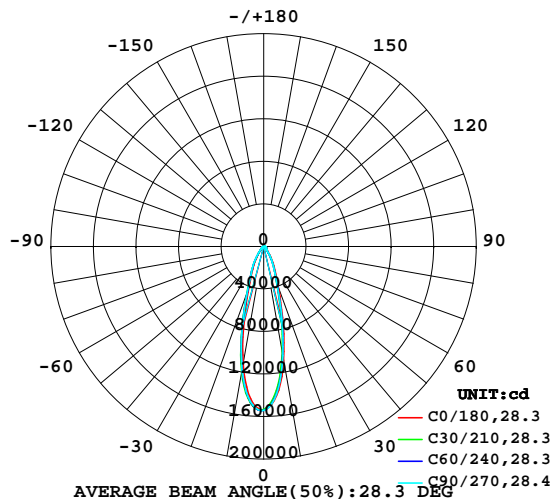


LUMINAIRE PHOTOMETRIC TEST REPORT

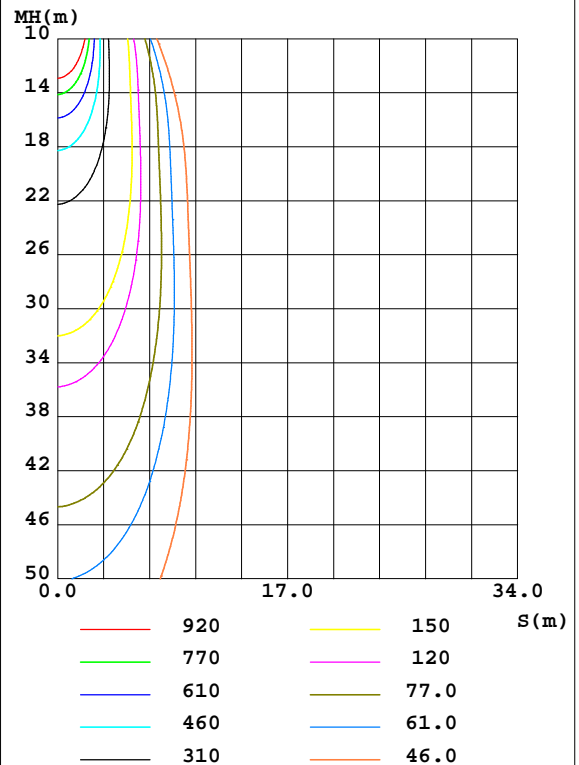
Test:U:220.1V I:1.843A P:395.3W PF:0.9747 Lamp Flux:58536.5x1 lm		
NAME: NCD-400C-D30	TYPE:LED	WEIGHT:
SPEC.:SB3535_274EA_D1*2EA	DIM.:	SERIAL No.:1
MFR.: ICEPIPE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 148.08 lm/W			
MODEL	NCD-400C-D30	Imax(cd)	154448	S/MH(C0/180)	0.48
NOMINAL POWER(W)	400	LOR(%)	100.0	S/MH(C90/270)	0.51
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	58537	η UP,DN(C0-180)	1.0,45.7
NOMINAL FLUX(lm)	58536.5	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.8,52.6
LAMPS INSIDE	1	η up(%)	1.7	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	220	η down(%)	98.3	CIBSE SHR MAX	0.50

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:HSO
 Test Date:24 October 2006

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:8.100m [K=1.0000]
 Remarks: NCD-400C-D30

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1085	1030	1043	1063	1119	1183	1178	1160	0- 10	12587	12587	21.5,21.5
20	400.7	366.1	364.3	372.9	407.6	449.6	452.1	441.0	10- 20	19492	32080	54.8,54.8
30	170.5	155.8	150.9	154.9	170.4	184.8	192.7	187.5	20- 30	12104	44184	75.5,75.5
40	56.25	49.11	49.42	48.97	56.08	61.59	64.49	65.73	30- 40	6499	50683	86.6,86.6
50	25.99	24.55	24.32	24.36	25.60	27.18	27.14	28.19	40- 50	2852	53535	91.5,91.5
60	17.29	17.00	17.03	16.94	17.33	18.33	18.60	18.38	50- 60	1923	55458	94.7,94.7
70	9.335	8.907	9.324	8.969	9.470	10.03	10.51	9.895	60- 70	1339	56797	97,97
80	2.460	2.368	2.494	2.429	2.508	2.980	3.207	2.846	70- 80	617.8	57414	98.1,98.1
90	0.3939	0.4237	0.4231	0.4246	0.1644	0.1662	0.1611	0.1693	80- 90	105.1	57519	98.3,98.3
100	0.6079	0.6382	0.6478	0.6422	0.2459	0.2307	0.2313	0.2343	90-100	39.21	57559	98.3,98.3
110	0.8924	0.9314	0.9424	0.9309	0.4485	0.4146	0.4143	0.4212	100-110	57.59	57616	98.4,98.4
120	1.380	1.435	1.450	1.424	0.8883	0.8197	0.8171	0.8337	110-120	86.60	57703	98.6,98.6
130	2.222	2.293	2.296	2.255	1.742	1.640	1.629	1.667	120-130	135.6	57838	98.8,98.8
140	3.100	3.156	3.149	3.118	2.787	2.685	2.668	2.698	130-140	188.9	58027	99.1,99.1
150	3.635	3.649	3.634	3.621	3.496	3.429	3.408	3.416	140-150	204.0	58231	99.5,99.5
160	3.773	3.745	3.729	3.732	3.721	3.696	3.674	3.664	150-160	169.0	58400	99.8,99.8
170	3.545	3.491	3.490	3.504	3.542	3.546	3.531	3.511	160-170	103.4	58504	99.9,99.9
180	3.358	3.351	3.374	3.345	3.364	3.347	3.377	3.344	170-180	32.80	58537	100,100
DEG	LUMINOUS INTENSITY: #100cd									UNIT: lm		

Conical surface Flux(90deg): 52326 lm

%lum = 89.4%

%lamp = 89.4%

Conical surface Flux(120deg): 55458 lm

%lum = 94.7%

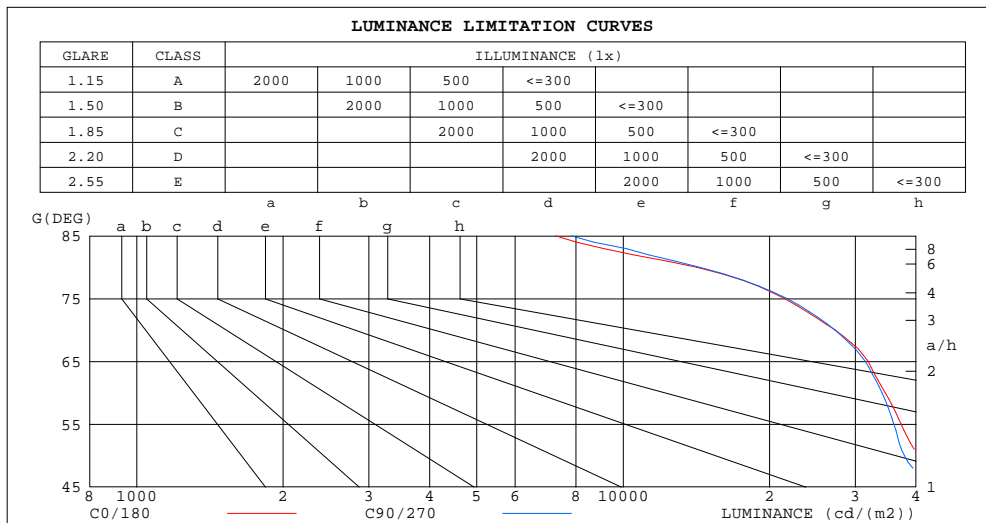
%lamp = 94.7%

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: HSO
Test Date: 24 October 2006

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 8.100m [K=1.0000]
Remarks: NCD-400C-D30

LUMINANCE LIMITATION CURVES

Test:U:220.1V I:1.843A P:395.3W PF:0.9747 Lamp Flux:58536.5x1 lm		
NAME: NCD-400C-D30	TYPE:LED	WEIGHT:
SPEC.:SB3535_274EA_D1*2EA	DIM.:	SERIAL No.:1
MFR.: ICEPIPE	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	7274	7824
80	14166	14360
75	21461	21737
70	27294	27260
65	31899	31463
60	34583	34063
55	37303	36023
50	40430	37835
45	50238	45022

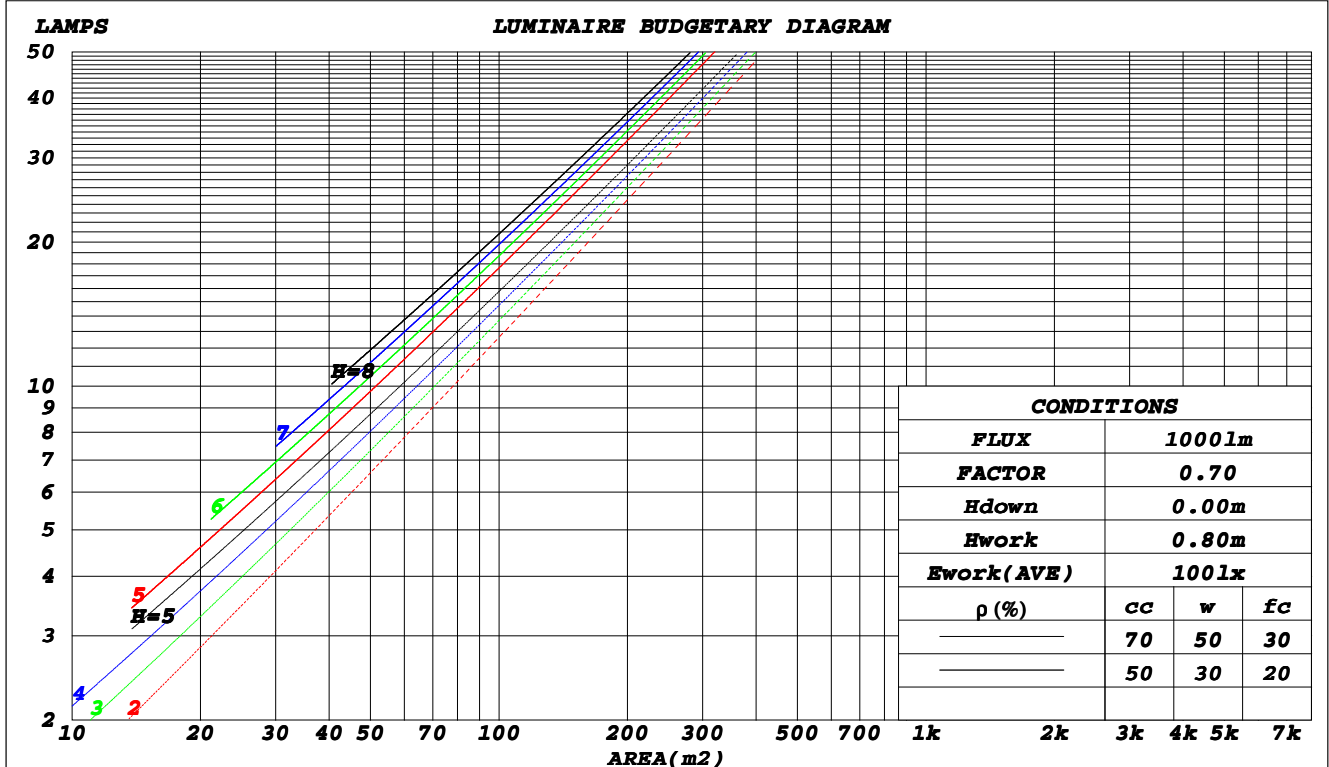
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:HSO
Test Date:24 October 2006

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:8.100m [K=1.0000]
Remarks: NCD-400C-D30

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.1V I:1.843A P:395.3W PF:0.9747 Lamp Flux:58536.5x1 lm		
NAME: NCD-400C-D30	TYPE:LED	WEIGHT:
SPEC.:SB3535_274EA_D1*2EA	DIM.:	SERIAL No.:1
MFR.: ICEPIPE	SUR.:	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	.98
1.0	1.10	1.08	1.06	1.08	1.06	1.04	1.04	1.02	1.00	.99	.98	.97	.96	.95	.94	.92
2.0	1.03	.99	.96	1.01	.97	.94	.98	.95	.92	.94	.92	.90	.91	.89	.88	.86
3.0	.96	.92	.88	.95	.91	.87	.92	.88	.85	.89	.86	.84	.87	.85	.82	.81
4.0	.91	.86	.82	.90	.85	.81	.87	.83	.80	.85	.82	.79	.83	.80	.78	.76
5.0	.86	.80	.76	.85	.80	.76	.83	.78	.75	.81	.77	.74	.79	.76	.74	.72
6.0	.81	.76	.72	.81	.75	.72	.79	.74	.71	.77	.73	.70	.76	.73	.70	.68
7.0	.78	.72	.68	.77	.72	.68	.75	.71	.67	.74	.70	.67	.73	.69	.67	.65
8.0	.74	.69	.65	.73	.68	.65	.72	.68	.64	.71	.67	.64	.70	.66	.64	.62
9.0	.71	.65	.62	.70	.65	.62	.69	.65	.61	.68	.64	.61	.67	.64	.61	.60
10.0	.68	.63	.59	.67	.62	.59	.67	.62	.59	.66	.62	.59	.65	.61	.58	.57



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:HSO
 Test Date:24 October 2006

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:8.100m [K=1.0000]
 Remarks: NCD-400C-D30

WEC AND CCEC

Test:U:220.1V I:1.843A P:395.3W PF:0.9747 Lamp Flux:58536.5x1 lm		
NAME: NCD-400C-D30	TYPE:LED	WEIGHT:
SPEC.:SB3535_274EA_D1*2EA	DIM.:	SERIAL No.:1
MFR.: ICEPIPE	SUR.:	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0	
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρ_{fc}	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.178	.101	.032	.171	.097	.031	.157	.090	.029	.144	.083	.027	.133	.077	.025		
2.0	.168	.092	.028	.162	.089	.027	.150	.084	.026	.140	.078	.025	.130	.074	.023		
3.0	.158	.084	.025	.152	.082	.025	.143	.077	.023	.134	.073	.022	.125	.069	.021		
4.0	.148	.077	.023	.144	.075	.022	.135	.072	.021	.127	.068	.021	.120	.065	.020		
5.0	.140	.071	.021	.136	.070	.020	.128	.067	.020	.121	.064	.019	.115	.061	.018		
6.0	.132	.066	.019	.128	.065	.019	.122	.062	.018	.116	.060	.018	.110	.058	.017		
7.0	.125	.062	.017	.122	.061	.017	.116	.059	.017	.111	.057	.016	.105	.055	.016		
8.0	.118	.058	.016	.116	.057	.016	.111	.055	.016	.106	.054	.015	.101	.052	.015		
9.0	.113	.055	.015	.110	.054	.015	.106	.052	.015	.101	.051	.015	.097	.049	.014		
10.0	.108	.052	.014	.105	.051	.014	.101	.050	.014	.097	.048	.014	.094	.047	.014		

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.204	.204	.204	.174	.174	.174	.119	.119	.119	.068	.068	.068	.022	.022	.022	
1.0	.185	.171	.158	.158	.146	.136	.108	.101	.094	.062	.058	.055	.020	.019	.018	
2.0	.169	.146	.126	.145	.126	.109	.099	.087	.076	.057	.051	.045	.018	.016	.015	
3.0	.156	.127	.104	.134	.110	.090	.092	.076	.063	.053	.044	.037	.017	.014	.012	
4.0	.146	.112	.087	.125	.097	.076	.086	.068	.053	.050	.040	.031	.016	.013	.010	
5.0	.136	.101	.074	.117	.087	.065	.081	.061	.046	.047	.036	.027	.015	.012	.009	
6.0	.128	.091	.065	.110	.079	.056	.076	.055	.040	.044	.033	.024	.014	.011	.008	
7.0	.121	.083	.057	.104	.072	.050	.072	.051	.035	.042	.030	.021	.014	.010	.007	
8.0	.115	.077	.051	.099	.067	.044	.068	.047	.032	.040	.028	.019	.013	.009	.006	
9.0	.109	.072	.046	.094	.062	.040	.065	.044	.029	.038	.026	.017	.012	.008	.006	
10.0	.105	.067	.042	.090	.058	.037	.063	.041	.026	.036	.024	.016	.012	.008	.005	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:HSO
Test Date:24 October 2006

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:8.100m [K=1.0000]
Remarks: NCD-400C-D30

UGR(Unified Glare Rating) Table

Test:U:220.1V I:1.843A P:395.3W PF:0.9747 Lamp Flux:58536.5x1 lm										
NAME: NCD-400C-D30					TYPE:LED			WEIGHT:		
SPEC.:SB3535_274EA_D1*2EA					DIM.:			SERIAL No.:1		
MFR.: ICEPIPE					SUR.:			Shielding Angle:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	21.0	21.9	21.3	22.1	22.3	20.8	21.7	21.1	21.9	22.1
3H	21.8	22.6	22.1	22.9	23.1	21.7	22.5	22.0	22.7	23.0
4H	22.1	22.8	22.4	23.1	23.3	22.0	22.8	22.3	23.0	23.3
6H	22.2	22.9	22.5	23.2	23.4	22.1	22.8	22.4	23.1	23.4
8H	22.2	22.9	22.5	23.1	23.4	22.1	22.8	22.4	23.1	23.4
12H	22.1	22.8	22.5	23.1	23.4	22.1	22.8	22.4	23.0	23.4
4H 2H	21.4	22.1	21.7	22.4	22.6	21.2	21.9	21.5	22.2	22.4
3H	22.3	23.0	22.6	23.2	23.6	22.2	22.9	22.6	23.2	23.5
4H	22.6	23.2	23.0	23.5	23.9	22.6	23.2	23.0	23.5	23.9
6H	22.7	23.2	23.1	23.6	24.0	22.8	23.3	23.2	23.7	24.1
8H	22.7	23.2	23.1	23.6	24.0	22.8	23.3	23.2	23.7	24.1
12H	22.7	23.1	23.1	23.5	24.0	22.8	23.2	23.2	23.6	24.0
8H 4H	22.6	23.1	23.1	23.5	23.9	22.7	23.2	23.1	23.5	24.0
6H	22.8	23.2	23.3	23.6	24.1	22.9	23.3	23.3	23.7	24.2
8H	22.8	23.2	23.3	23.6	24.1	22.9	23.3	23.4	23.7	24.2
12H	22.8	23.1	23.3	23.6	24.1	22.9	23.2	23.4	23.7	24.2
12H 4H	22.6	23.1	23.0	23.5	23.9	22.6	23.1	23.1	23.5	23.9
6H	22.8	23.1	23.2	23.6	24.1	22.9	23.2	23.3	23.7	24.1
8H	22.8	23.1	23.3	23.6	24.1	22.9	23.2	23.4	23.7	24.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.9 / - 0.8					+ 0.6 / - 0.6				
1.5H	+ 1.7 / - 0.6					+ 1.2 / - 0.5				
2.0H	+ 0.7 / - 0.6					+ 0.4 / - 0.4				

CIE Pub.117 Corrected 58537 lm Total Lamp Luminous Flux.(8log(F/F0) = 14.1)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:HSO
Test Date:24 October 2006

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:8.100m [K=1.0000]
Remarks: NCD-400C-D30

UTILIZATION FACTORS TABLE

Test:U:220.1V I:1.843A P:395.3W PF:0.9747 Lamp Flux:58536.5x1 lm		
NAME: NCD-400C-D30	TYPE:LED	WEIGHT:
SPEC.:SB3535_274EA_D1*2EA	DIM.:	SERIAL No.:1
MFR.: ICEPIPE	SUR.:	Shielding Angle:

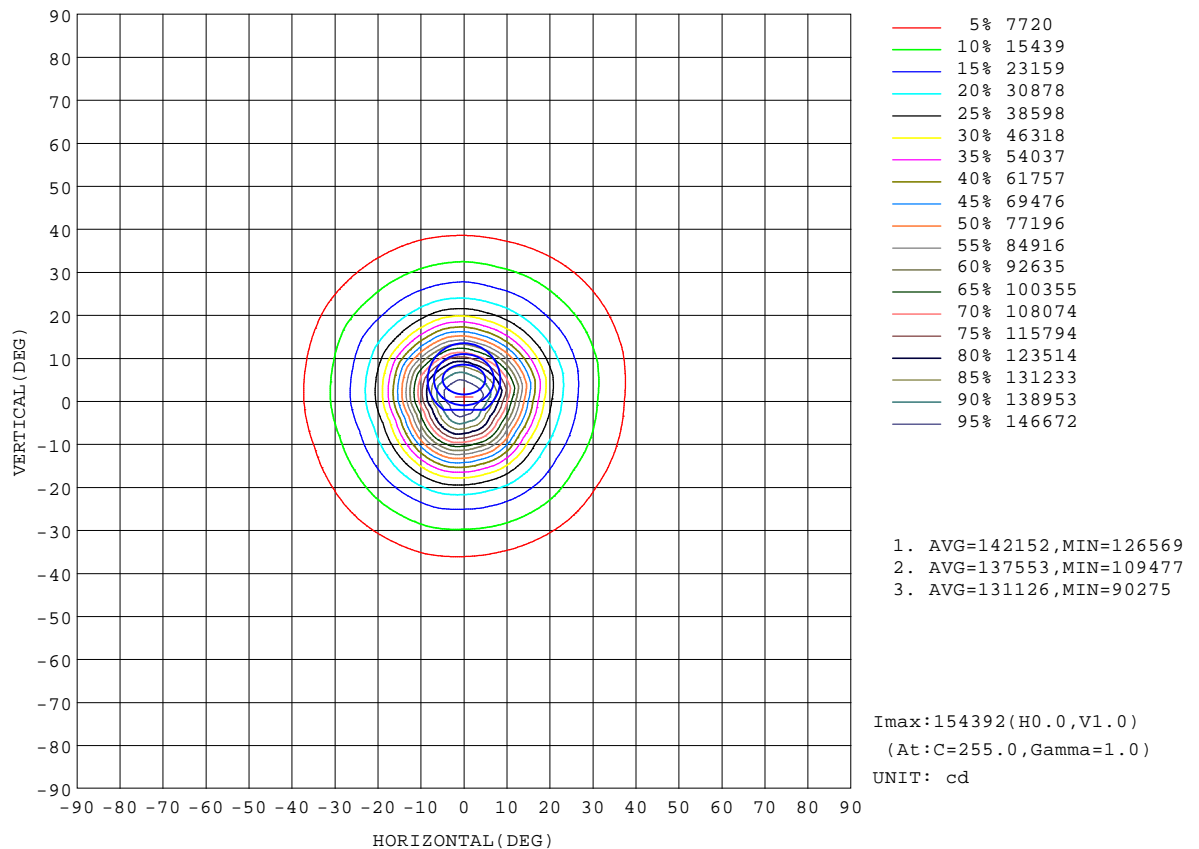
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	83	76	72	83	76	72	82	76	72	68
0.80	91	84	80	90	84	80	89	83	80	75
1.00	96	90	85	95	89	85	93	89	84	80
1.25	100	94	90	99	94	90	97	92	89	84
1.50	103	98	94	102	97	93	99	95	92	87
2.00	106	102	98	105	100	97	102	98	95	90
2.50	108	104	101	107	103	100	103	100	97	91
3.00	110	106	103	108	105	102	104	102	100	92
4.00	112	109	107	110	107	105	106	104	102	94
5.00	114	111	109	111	109	107	107	106	104	96
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:HSO
Test Date:24 October 2006

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:8.100m [K=1.0000]
Remarks: NCD-400C-D30

ISOCANDELA DIAGRAM

Test:U:220.1V I:1.843A P:395.3W PF:0.9747 Lamp Flux:58536.5x1 lm		
NAME: NCD-400C-D30	TYPE:LED	WEIGHT:
SPEC.:SB3535_274EA_D1*2EA	DIM.:	SERIAL No.:1
MFR.: ICEPIPE	SUR.:	Shielding Angle:

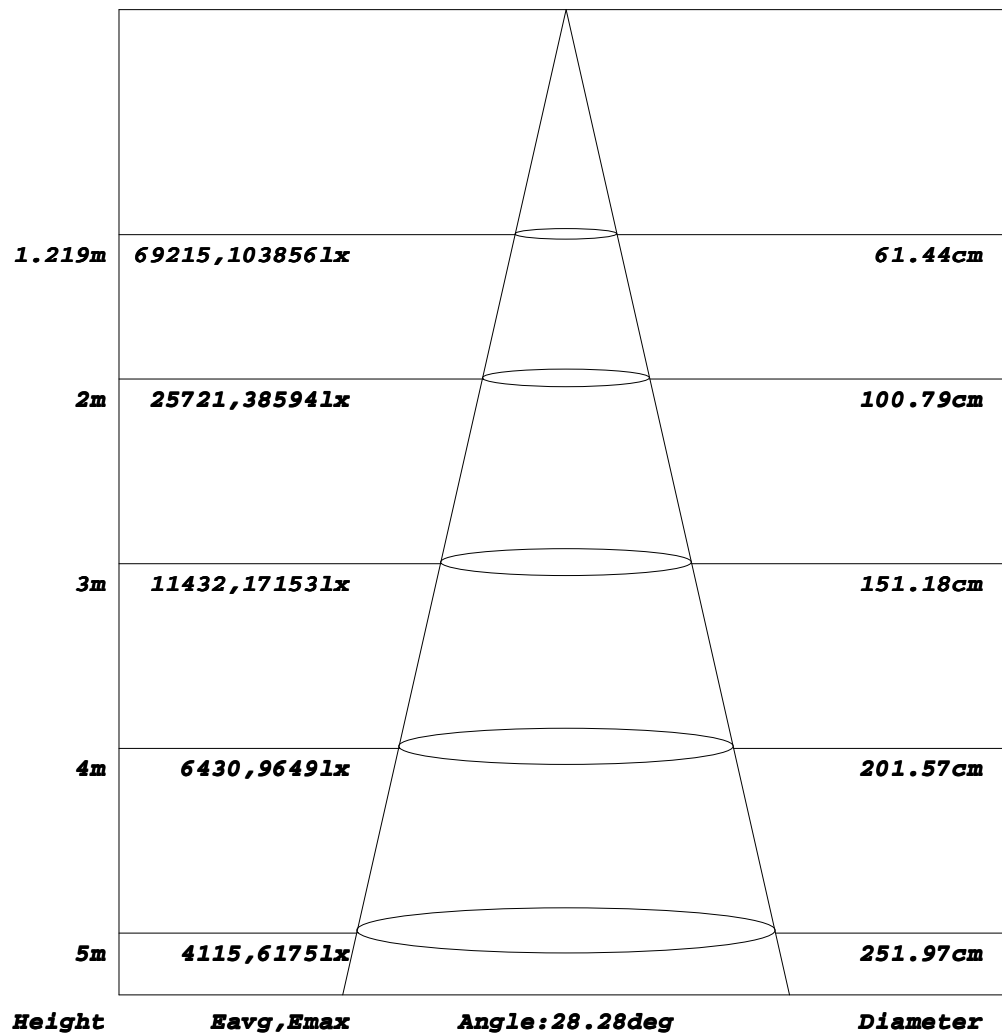


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:HSO
Test Date:24 October 2006

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:8.100m [K=1.0000]
Remarks: NCD-400C-D30

AAI Figure

Test:U:220.1V I:1.843A P:395.3W PF:0.9747 Lamp Flux:58536.5x1 lm		
NAME: NCD-400C-D30	TYPE:LED	WEIGHT:
SPEC.:SB3535_274EA_D1*2EA	DIM.:	SERIAL No.:1
MFR.: ICEPIPE	SUR.:	Shielding Angle:

Flux out:23206 lm


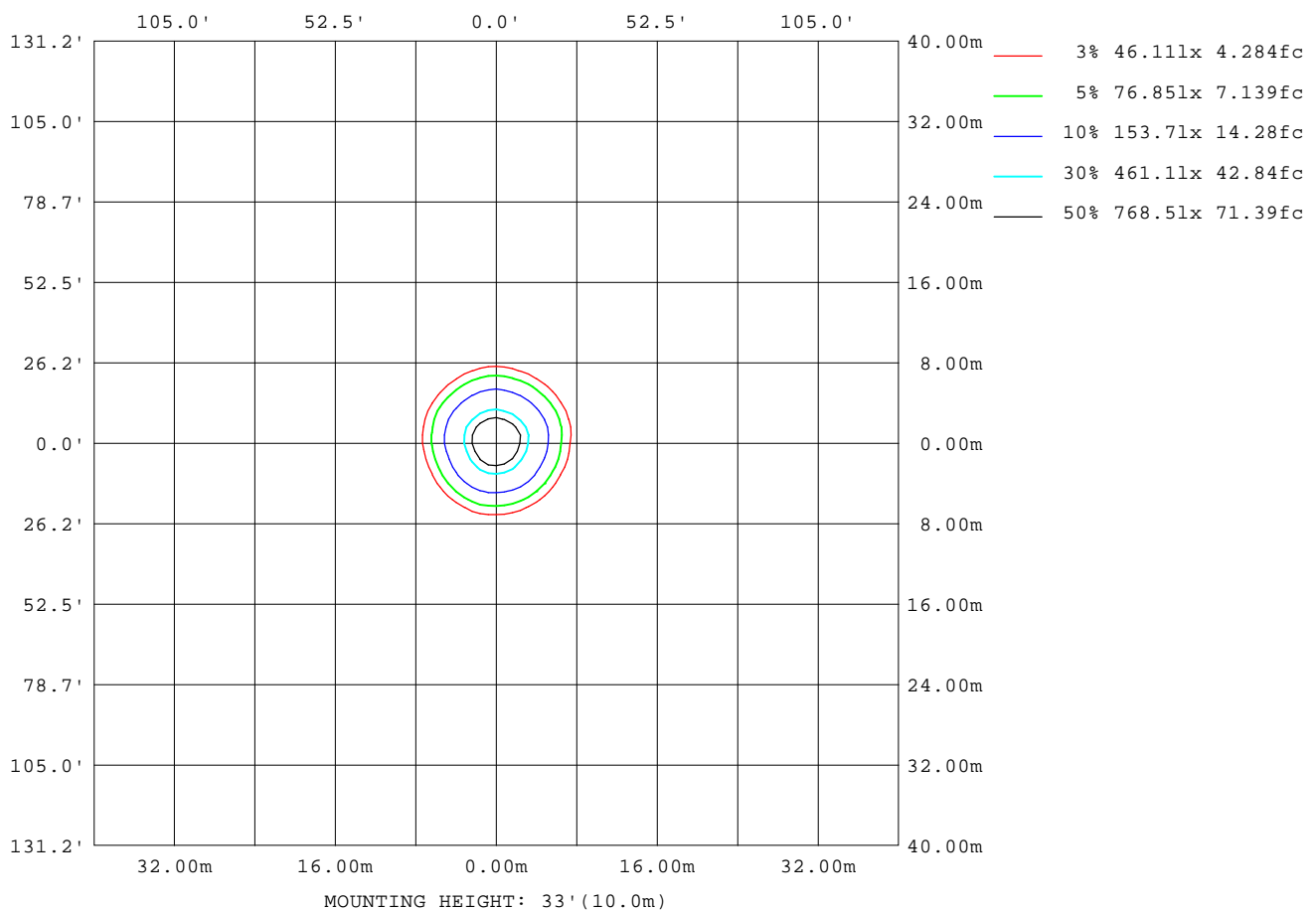
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: HSO
Test Date: 24 October 2006

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 8.100m [K=1.0000]
Remarks: NCD-400C-D30

ISOLUX DIAGRAM

Test:U:220.1V I:1.843A P:395.3W PF:0.9747 Lamp Flux:58536.5x1 lm		
NAME: NCD-400C-D30	TYPE:LED	WEIGHT:
SPEC.:SB3535_274EA_D1*2EA	DIM.:	SERIAL No.:1
MFR.: ICEPIPE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:HSO
Test Date:24 October 2006

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:8.100m [K=1.0000]
Remarks: NCD-400C-D30

LED Avg.L Report

Test:U:220.1V I:1.843A P:395.3W PF:0.9747 Lamp Flux:58536.5x1 lm		
NAME: NCD-400C-D30	TYPE:LED	WEIGHT:
SPEC.:SB3535_274EA_D1*2EA	DIM.:	SERIAL No.:1
MFR.: ICEPIPE	SUR.:	Shielding Angle:

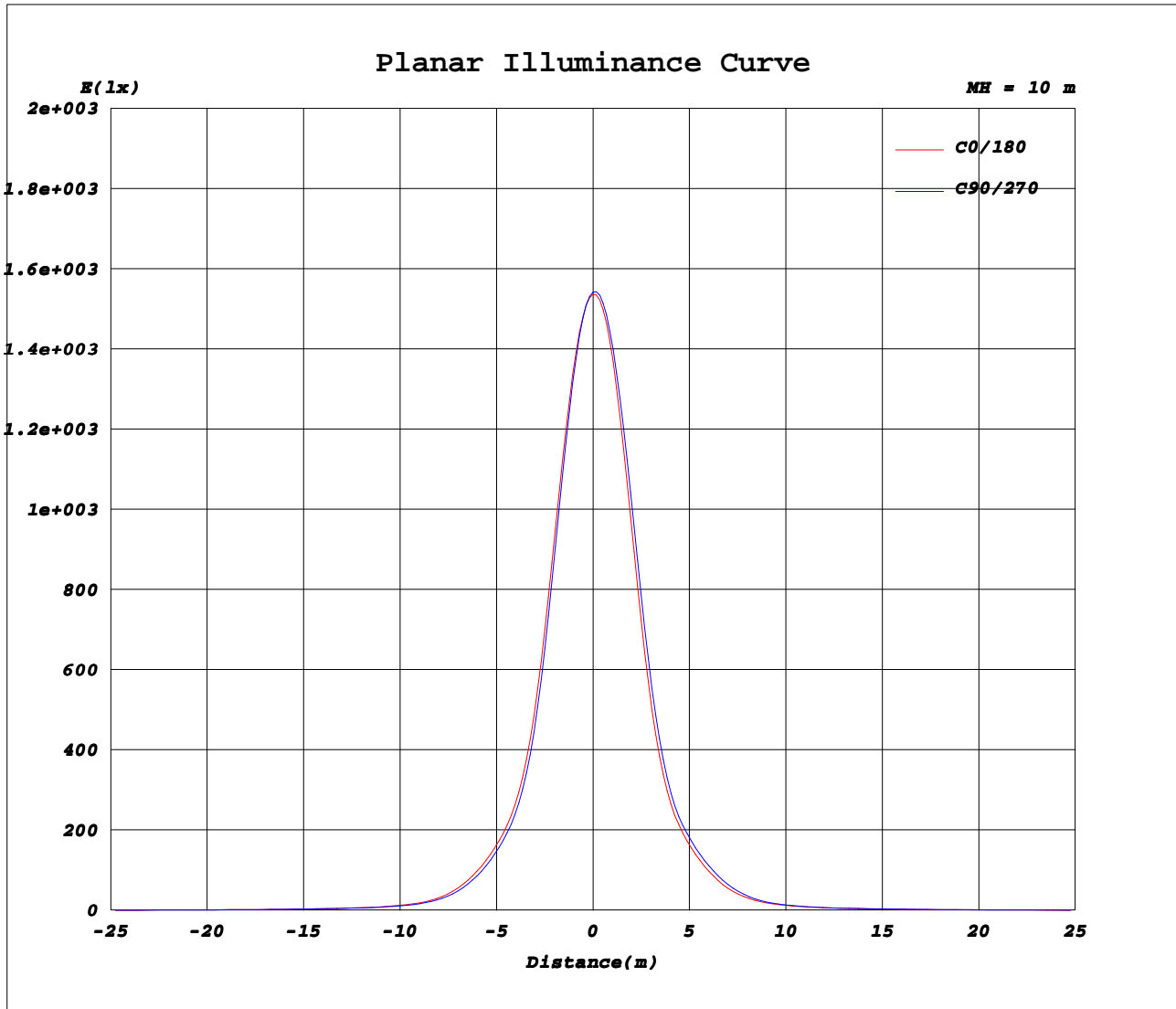
AvgL	cd/m2
L_0~180(65)av	32052
L_0~180(75)av	21647
L_0~180(85)av	6633
L_90~270(65)av	32992
L_90~270(75)av	23616
L_90~270(85)av	8828
L_45(65)av	31766
L_45(75)av	21967
L_45(85)av	8415

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:HSO
Test Date:24 October 2006

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:8.100m [K=1.0000]
Remarks: NCD-400C-D30

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: HSO
Test Date: 24 October 2006

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 8.100m [K=1.0000]
Remarks: NCD-400C-D30

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.1V I:1.843A P:395.3W PF:0.9747 Lamp Flux:58536.5x1 lm		
NAME: NCD-400C-D30	TYPE:LED	WEIGHT:
SPEC.:SB3535_274EA_D1*2EA	DIM.:	SERIAL No.:1
MFR.: ICEPIPE	SUR.:	Shielding Angle:

Table--1

UNIT: #100cd

<div> <div>C(DEG)</div> <div>γ (DEG)</div> </div>	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1537	1535	1533	1540	1541	1541	1542	1543	1543	1542	1542	1541	1537	1535	1533	1540	1541	1541	1542
5	1410	1384	1363	1382	1389	1381	1394	1414	1414	1408	1401	1398	1437	1458	1476	1468	1466	1472	1462
10	1085	1043	1007	1030	1038	1025	1043	1072	1072	1063	1050	1046	1119	1161	1199	1183	1179	1193	1178
15	691	651	616	636	640	626	641	666	665	658	647	643	715	758	799	782	779	796	783
20	401	376	358	366	368	359	364	377	377	373	367	365	408	434	459	450	448	460	452
25	258	246	235	240	237	234	234	241	240	239	235	235	259	269	283	278	280	286	284
30	171	163	152	156	153	151	151	157	155	155	151	154	170	179	191	185	188	190	193
35	102	95.4	88.1	88.6	86.9	86.2	88.0	91.7	88.8	88.7	87.0	88.5	100	107	114	112	113	118	117
40	56.2	54.1	49.4	49.1	47.9	48.3	49.4	51.3	49.1	49.0	48.7	50.3	56.1	58.7	61.8	61.6	63.5	65.6	64.5
45	35.5	34.6	32.0	32.2	31.8	31.7	31.8	32.8	32.1	31.9	31.8	32.5	35.2	36.0	37.1	38.0	39.1	39.9	38.2
50	26.0	25.4	24.5	24.5	24.6	24.3	24.3	24.6	24.5	24.4	24.2	24.3	25.6	25.9	26.6	27.2	27.7	27.8	27.1
55	21.4	20.8	20.5	20.6	20.8	20.5	20.7	20.7	20.8	20.6	20.4	20.1	21.1	21.3	22.1	22.2	22.6	22.5	22.5
60	17.3	16.9	16.6	17.0	17.1	16.9	17.0	17.2	17.2	16.9	16.5	16.3	17.3	17.6	18.3	18.3	18.7	18.6	18.6
65	13.5	12.6	12.6	12.8	13.3	12.9	13.3	13.3	13.5	12.8	12.7	12.3	13.6	13.5	14.3	14.1	14.6	14.4	14.6
70	9.34	8.61	8.42	8.91	9.37	9.12	9.32	9.48	9.57	8.97	8.58	8.36	9.47	9.49	10.1	10.0	10.6	10.5	10.5
75	5.55	5.03	4.79	5.25	5.67	5.49	5.63	5.81	5.82	5.29	4.94	4.86	5.65	5.75	6.18	6.16	6.60	6.65	6.60
80	2.46	2.10	1.87	2.37	2.55	2.48	2.49	2.75	2.68	2.43	1.97	1.99	2.51	2.58	2.86	2.98	3.22	3.29	3.21
85	0.63	0.57	0.55	0.65	0.69	0.67	0.68	0.77	0.75	0.69	0.58	0.56	0.52	0.60	0.75	0.82	0.87	0.93	0.86
90	0.39	0.42	0.43	0.42	0.42	0.43	0.42	0.42	0.42	0.42	0.43	0.43	0.16	0.17	0.17	0.17	0.16	0.16	0.16
95	0.49	0.51	0.52	0.52	0.52	0.53	0.53	0.52	0.53	0.53	0.53	0.53	0.20	0.19	0.19	0.19	0.19	0.19	0.19
100	0.61	0.62	0.64	0.64	0.64	0.65	0.65	0.64	0.64	0.64	0.65	0.65	0.25	0.24	0.23	0.23	0.23	0.23	0.23
105	0.74	0.76	0.78	0.77	0.77	0.79	0.78	0.77	0.77	0.77	0.78	0.78	0.33	0.31	0.30	0.30	0.30	0.30	0.30
110	0.89	0.92	0.94	0.93	0.93	0.95	0.94	0.93	0.93	0.93	0.94	0.93	0.45	0.43	0.41	0.41	0.42	0.41	0.41
115	1.09	1.12	1.15	1.14	1.14	1.16	1.15	1.13	1.13	1.14	1.14	1.14	0.63	0.59	0.57	0.58	0.58	0.57	0.58
120	1.38	1.42	1.46	1.44	1.44	1.45	1.45	1.42	1.42	1.42	1.44	1.43	0.89	0.84	0.81	0.82	0.82	0.81	0.82
125	1.77	1.81	1.86	1.83	1.84	1.85	1.84	1.80	1.81	1.80	1.82	1.81	1.27	1.21	1.15	1.17	1.17	1.16	1.17
130	2.22	2.27	2.33	2.29	2.29	2.31	2.30	2.25	2.26	2.26	2.28	2.27	1.74	1.68	1.61	1.64	1.63	1.62	1.63
135	2.69	2.73	2.78	2.76	2.75	2.77	2.75	2.71	2.71	2.71	2.73	2.72	2.28	2.21	2.14	2.17	2.16	2.15	2.16
140	3.10	3.14	3.18	3.16	3.15	3.16	3.15	3.12	3.11	3.12	3.13	3.13	2.79	2.72	2.66	2.69	2.68	2.66	2.67
145	3.42	3.45	3.47	3.46	3.45	3.46	3.44	3.42	3.42	3.42	3.43	3.43	3.21	3.15	3.10	3.12	3.11	3.09	3.10
150	3.64	3.65	3.66	3.65	3.64	3.64	3.63	3.62	3.62	3.62	3.62	3.62	3.50	3.46	3.42	3.43	3.42	3.40	3.41
155	3.75	3.76	3.75	3.75	3.74	3.73	3.73	3.72	3.72	3.73	3.73	3.72	3.67	3.64	3.62	3.62	3.61	3.60	3.60
160	3.77	3.76	3.75	3.75	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.72	3.71	3.70	3.70	3.69	3.68	3.67
165	3.70	3.68	3.65	3.65	3.64	3.63	3.64	3.65	3.65	3.65	3.65	3.64	3.67	3.67	3.68	3.66	3.66	3.65	3.64
170	3.55	3.52	3.49	3.49	3.48	3.48	3.49	3.51	3.50	3.50	3.50	3.49	3.54	3.54	3.56	3.55	3.54	3.54	3.53
175	3.40	3.39	3.37	3.37	3.36	3.37	3.39	3.40	3.39	3.38	3.37	3.37	3.42	3.41	3.42	3.41	3.42	3.43	3.42
180	3.36	3.36	3.35	3.35	3.35	3.37	3.37	3.37	3.37	3.35	3.35	3.34	3.34	3.36	3.35	3.35	3.35	3.37	3.38

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:HSO
Test Date:24 October 2006

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:8.100m [K=1.0000]
Remarks: NCD-400C-D30

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.1V I:1.843A P:395.3W PF:0.9747 Lamp Flux:58536.5x1 lm		
NAME: NCD-400C-D30	TYPE:LED	WEIGHT:
SPEC.:SB3535_274EA_D1*2EA	DIM.:	SERIAL No.:1
MFR.: ICEPIPE	SUR.:	Shielding Angle:

Table--2

UNIT: #100cd

<div> <div>C(DEG)</div> <div>γ (DEG)</div> </div>	285	300	315	330	345														
0	1543	1543	1542	1542	1541														
5	1447	1446	1450	1457	1459														
10	1152	1152	1160	1171	1175														
15	757	756	766	776	779														
20	436	437	441	449	450														
25	276	279	277	281	280														
30	186	188	187	191	189														
35	114	115	116	117	117														
40	62.7	64.3	65.7	65.5	63.9														
45	38.0	39.6	40.1	38.8	38.1														
50	27.0	27.9	28.2	27.3	26.9														
55	22.2	22.7	22.6	22.5	22.0														
60	18.3	18.5	18.4	18.3	18.0														
65	14.0	14.4	14.0	14.1	13.7														
70	10.1	10.3	9.89	9.87	9.62														
75	6.28	6.42	6.05	5.92	5.84														
80	3.00	3.07	2.85	2.66	2.66														
85	0.78	0.79	0.76	0.68	0.65														
90	0.16	0.17	0.17	0.17	0.17														
95	0.19	0.19	0.19	0.19	0.19														
100	0.24	0.24	0.23	0.23	0.23														
105	0.31	0.31	0.31	0.31	0.31														
110	0.43	0.42	0.42	0.42	0.42														
115	0.59	0.59	0.59	0.58	0.58														
120	0.84	0.84	0.83	0.82	0.82														
125	1.21	1.20	1.20	1.18	1.18														
130	1.68	1.67	1.67	1.64	1.65														
135	2.21	2.19	2.19	2.17	2.17														
140	2.71	2.70	2.70	2.68	2.68														
145	3.12	3.12	3.11	3.10	3.10														
150	3.42	3.42	3.42	3.41	3.41														
155	3.60	3.60	3.60	3.59	3.59														
160	3.67	3.67	3.66	3.67	3.67														
165	3.63	3.63	3.63	3.63	3.64														
170	3.51	3.51	3.51	3.52	3.52														
175	3.40	3.39	3.39	3.40	3.40														
180	3.37	3.35	3.34	3.35	3.34														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:HSO
Test Date:24 October 2006

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:8.100m [K=1.0000]
Remarks: NCD-400C-D30

Photometric Data Table [cd]

G/C	0.0	15.0	30.0	45.0	60.0	75.0	90.0	105.0	120.0	135.0
0.0	153695	153482	153315	153970	154106	154057	154221	154325	154315	154211
3.0	148605	146960	145687	147236	147792	147397	148259	149438	149408	149010
6.0	135824	132883	130357	132552	133302	132213	133757	135942	135856	135307
9.0	116207	112113	108697	110990	111934	110586	112474	115263	115189	114333
12.0	92569	88047	84447	86737	87400	85915	87650	90642	90487	89662
15.0	69144	65102	61629	63553	63980	62644	64090	66616	66531	65823
18.0	49644	46484	44051	45296	45541	44468	45257	47055	47032	46421
21.0	36293	34168	32574	33241	33356	32504	32990	34116	34005	33727
24.0	27926	26654	25360	25966	25747	25311	25384	26222	26032	25948
27.0	22030	21028	19918	20407	20123	19860	19812	20526	20299	20310
30.0	17054	16300	15165	15580	15304	15128	15091	15724	15486	15491
33.0	12727	12007	11111	11312	11103	10960	11086	11567	11325	11277
36.0	9008	8466	7825	7825	7663	7637	7833	8130	7857	7834
39.0	6299	6005	5525	5456	5335	5370	5528	5717	5501	5456
42.0	4575	4443	4065	4063	3963	3998	4042	4211	4034	4041
45.0	3552	3456	3195	3220	3177	3165	3184	3283	3209	3192
48.0	2868	2808	2659	2673	2657	2646	2638	2697	2661	2652
51.0	2495	2435	2364	2368	2374	2344	2351	2369	2365	2350
54.0	2222	2163	2129	2134	2150	2118	2138	2139	2148	2126
57.0	1976	1929	1900	1924	1931	1910	1923	1936	1943	1919
60.0	1729	1686	1655	1700	1707	1689	1703	1724	1724	1694
63.0	1491	1425	1415	1448	1479	1447	1477	1488	1493	1446
66.0	1268	1180	1175	1204	1253	1215	1251	1254	1270	1204
69.0	1017	938.1	922.1	965.8	1016	985.8	1010	1024	1035	973.0
72.0	769.4	709.7	690.4	737.1	783.6	761.3	778.2	796.4	802.6	743.0
75.0	555.4	503.3	479.2	524.7	567.4	549.5	562.6	580.7	582.0	528.9
78.0	364.9	318.8	289.7	341.4	370.3	359.7	366.1	387.8	384.9	347.9
81.0	192.6	164.2	147.8	190.4	204.5	199.3	200.1	222.2	217.0	197.5
84.0	83.91	73.69	69.18	86.91	93.23	89.44	91.12	102.9	100.4	91.72
87.0	41.20	40.27	39.70	41.73	42.09	41.54	42.06	44.98	44.00	42.90
90.0	39.39	41.70	42.86	42.37	42.27	42.69	42.31	41.70	42.02	42.46
93.0	45.13	46.92	48.30	48.04	48.16	48.73	48.34	47.82	48.44	48.85
96.0	51.44	52.93	54.49	54.31	54.59	55.39	55.05	54.32	54.74	55.25
99.0	58.35	59.99	61.67	61.32	61.64	62.59	62.26	61.47	61.58	61.83
102.0	65.81	67.56	69.33	68.96	69.21	70.30	69.99	69.12	69.11	69.34
105.0	73.88	75.76	77.67	77.18	77.43	78.64	78.31	77.31	77.28	77.48
108.0	82.72	84.78	86.87	86.35	86.55	87.80	87.44	86.32	86.23	86.46
111.0	92.75	95.19	97.56	96.83	96.98	98.36	97.89	96.54	96.46	96.69
114.0	104.8	107.6	110.5	109.5	109.5	111.1	110.5	108.7	108.6	109.0
117.0	119.6	123.1	126.5	125.1	125.1	126.8	125.9	123.8	123.7	124.0
120.0	138.0	141.9	146.1	143.5	144.2	145.4	145.0	142.0	142.2	142.4
123.0	160.1	164.1	169.3	166.2	166.9	168.1	167.5	163.5	164.2	163.9
126.0	185.3	189.7	195.4	192.1	192.5	193.8	192.9	188.6	189.2	189.1
129.0	212.8	217.4	223.3	219.9	220.0	221.3	220.3	215.7	216.3	216.1
132.0	241.1	245.9	251.4	248.1	248.2	249.5	248.3	243.6	244.2	244.1
135.0	268.9	273.5	278.4	275.6	275.3	276.7	275.2	271.0	271.5	271.4
138.0	294.4	298.9	303.2	300.5	300.2	301.6	299.9	296.4	296.3	296.7
141.0	317.2	321.2	324.6	322.0	322.0	323.1	321.7	318.6	318.5	318.7
144.0	336.5	339.5	342.1	340.5	339.7	340.7	339.3	336.9	336.9	337.1
147.0	351.8	354.1	355.8	354.6	353.8	354.4	353.3	351.3	351.1	351.4
150.0	363.5	365.2	366.0	364.9	364.0	364.4	363.4	361.9	361.9	362.1
153.0	371.8	372.7	372.9	372.0	371.0	370.8	370.3	369.4	369.2	369.5
156.0	376.5	376.8	376.2	375.4	374.5	374.0	373.5	373.3	373.2	373.4
159.0	377.7	377.2	375.8	375.3	374.1	373.7	373.6	373.7	373.7	373.8
162.0	375.2	374.1	372.0	371.6	370.3	369.8	370.2	370.8	370.7	370.7
165.0	369.6	367.8	364.9	364.8	363.6	363.1	363.7	364.9	364.8	364.8
168.0	361.1	358.9	355.6	354.7	354.1	354.1	355.1	356.5	356.4	356.5
171.0	351.3	349.0	345.8	346.1	345.2	345.1	346.2	347.8	347.6	347.5
174.0	342.8	341.0	338.4	338.9	338.1	338.7	340.3	341.4	341.0	340.0
177.0	337.0	335.6	333.9	334.1	333.8	335.4	337.1	337.7	336.3	335.0
180.0	335.8	335.9	335.1	335.1	335.0	337.0	337.4	337.0	335.3	334.5
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	154159	154086	153695	153482	153970	153970	154106	154057	154221	154325
3.0	148533	148304	150441	151596	152600	152424	152277	152617	152031	150991
6.0	134439	134100	138867	141515	143633	142645	142402	143147	142036	140239
9.0	113134	112679	119575	123481	126913	125567	125125	126321	124931	122460
12.0	88356	88054	95636	100228	104309	102612	102238	103899	102342	99701
15.0	64675	64267	71511	75779	79890	78198	77907	79608	78286	75723
18.0	45680	45345	51035	54424	57721	56385	56107	57597	56579	54428
21.0	33143	33054	36714	39007	41137	40367	40276	41325	40678	39244
24.0	25448	25541	28113	29246	30789	30281	30403	31096	30721	29906
27.0	19928	20046	22039	22944	24371	23692	24097	24297	24521	23566
30.0	15143	15364	17038	17866	19097	18483	18801	19026	19269	18590

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature: 25.3DEG

Operators: HSO

Test Date: 24 October 2006

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.351

Humidity: 65.0%

Test Distance: 8.100m [K=1.0000]

Remarks: NCD-400C-D30

Photometric Data Table [cd]

33.0	11025	11189	12586	13288	14283	13838	14055	14386	14565	14031
36.0	7717	7859	8907	9514	10136	9980	10043	10495	10446	10160
39.0	5439	5583	6274	6611	6992	6934	7109	7363	7281	7064
42.0	4009	4143	4550	4731	4912	4974	5127	5297	5096	5032
45.0	3177	3250	3517	3601	3711	3799	3910	3988	3825	3795
48.0	2638	2672	2837	2893	2998	3041	3126	3150	3066	3029
51.0	2341	2336	2456	2483	2548	2593	2641	2648	2596	2583
54.0	2118	2090	2192	2214	2284	2304	2348	2336	2330	2299
57.0	1891	1867	1962	1986	2064	2067	2097	2095	2092	2062
60.0	1651	1632	1733	1764	1832	1833	1865	1860	1860	1826
63.0	1416	1385	1500	1518	1582	1584	1616	1617	1615	1575
66.0	1191	1150	1287	1267	1351	1323	1387	1361	1383	1319
69.0	938.3	914.2	1033	1028	1099	1082	1141	1125	1134	1085
72.0	703.1	687.6	781.0	792.6	847.8	846.0	893.3	892.1	889.2	853.6
75.0	493.9	486.1	565.1	575.2	618.1	615.8	659.8	665.0	659.9	628.1
78.0	302.3	305.3	373.4	379.6	407.7	415.9	448.4	456.8	446.9	424.5
81.0	156.6	154.7	196.0	203.8	227.8	244.5	265.8	270.6	264.1	244.8
84.0	74.61	71.09	76.13	84.88	103.2	117.1	122.6	130.9	119.7	112.9
87.0	40.82	40.41	24.21	29.06	37.11	37.45	38.00	41.41	37.87	33.05
90.0	43.11	43.45	16.44	17.00	16.75	16.62	16.38	16.18	16.11	16.39
93.0	49.19	49.33	18.61	18.50	17.82	17.82	17.68	17.36	17.40	17.85
96.0	55.43	55.39	20.68	19.95	19.35	19.61	19.56	19.28	19.38	19.86
99.0	62.29	62.19	23.41	22.42	21.73	21.98	22.06	21.89	22.06	22.64
102.0	69.73	69.71	27.38	26.15	25.22	25.57	25.62	25.42	25.65	26.34
105.0	77.92	77.85	32.70	31.16	29.93	30.37	30.37	30.10	30.37	31.25
108.0	86.91	86.80	39.45	37.57	36.00	36.51	36.53	36.12	36.47	37.48
111.0	97.21	97.05	47.87	45.58	43.65	44.22	44.26	43.68	44.14	45.34
114.0	109.6	109.4	58.45	55.61	53.20	53.92	53.95	53.14	53.78	55.25
117.0	124.8	124.6	71.84	68.28	65.22	66.24	66.18	65.23	66.01	67.88
120.0	143.6	143.1	88.83	84.45	80.62	81.97	81.88	80.70	81.71	84.11
123.0	165.8	164.9	110.1	104.7	100.1	101.8	101.8	100.2	101.6	104.6
126.0	191.1	190.2	135.5	129.4	123.9	125.8	126.0	124.2	125.8	129.4
129.0	218.2	217.4	163.9	157.7	150.8	153.9	153.3	151.9	152.9	157.8
132.0	246.2	245.3	195.4	188.8	181.5	184.9	184.3	182.6	183.7	188.6
135.0	273.2	272.5	227.6	221.0	213.8	217.1	216.2	214.5	215.6	220.5
138.0	297.8	297.6	259.1	252.7	245.7	248.7	247.9	246.0	247.2	251.6
141.0	319.6	319.5	288.0	282.0	275.7	277.7	277.5	275.2	276.2	279.9
144.0	337.7	337.5	313.2	307.4	302.3	303.9	303.7	301.2	302.3	305.0
147.0	351.9	351.6	333.7	328.8	324.6	325.8	325.4	323.1	323.7	325.9
150.0	362.5	362.3	349.6	345.7	342.2	342.9	342.4	340.4	340.8	342.1
153.0	369.7	369.5	361.2	358.0	355.5	355.7	355.1	353.5	353.7	354.2
156.0	373.4	373.2	368.5	366.2	364.6	364.3	364.0	362.5	362.3	362.2
159.0	373.7	373.3	371.9	370.2	369.6	369.0	368.5	367.3	366.8	366.1
162.0	370.5	370.3	371.5	370.5	370.4	369.5	369.2	368.2	367.5	366.3
165.0	364.6	364.3	367.4	367.0	367.7	366.4	365.9	365.2	364.4	362.8
168.0	356.0	355.7	360.0	360.3	361.4	360.0	359.6	359.1	358.2	356.2
171.0	346.7	346.3	351.3	351.3	352.9	351.6	351.6	351.5	350.4	348.4
174.0	338.9	338.8	344.0	343.4	344.4	343.1	343.9	344.5	344.0	341.8
177.0	334.9	334.7	338.7	338.5	338.6	337.5	338.2	339.8	339.9	338.0
180.0	334.5	334.3	336.4	335.2	335.5	334.7	335.2	336.6	337.7	336.9
G/C	300.0	315.0	330.0	345.0						
0.0	154315	154211	154159	154086						
3.0	150969	151168	151537	151718						
6.0	140191	140752	141422	141723						
9.0	122313	123178	124108	124584						
12.0	99696	100458	101663	102009						
15.0	75639	76587	77638	77918						
18.0	54576	55174	56193	56319						
21.0	39418	39740	40354	40421						
24.0	30007	30086	30445	30474						
27.0	23932	23696	24322	23922						
30.0	18783	18747	19119	18881						
33.0	14207	14202	14500	14310						
36.0	10227	10391	10505	10413						
39.0	7217	7361	7390	7220						
42.0	5181	5306	5192	5087						
45.0	3958	4008	3876	3806						
48.0	3147	3180	3090	3022						
51.0	2661	2679	2615	2561						
54.0	2358	2355	2335	2281						
57.0	2101	2089	2080	2039						
60.0	1852	1838	1835	1801						
63.0	1598	1575	1573	1547						
66.0	1364	1312	1331	1287						

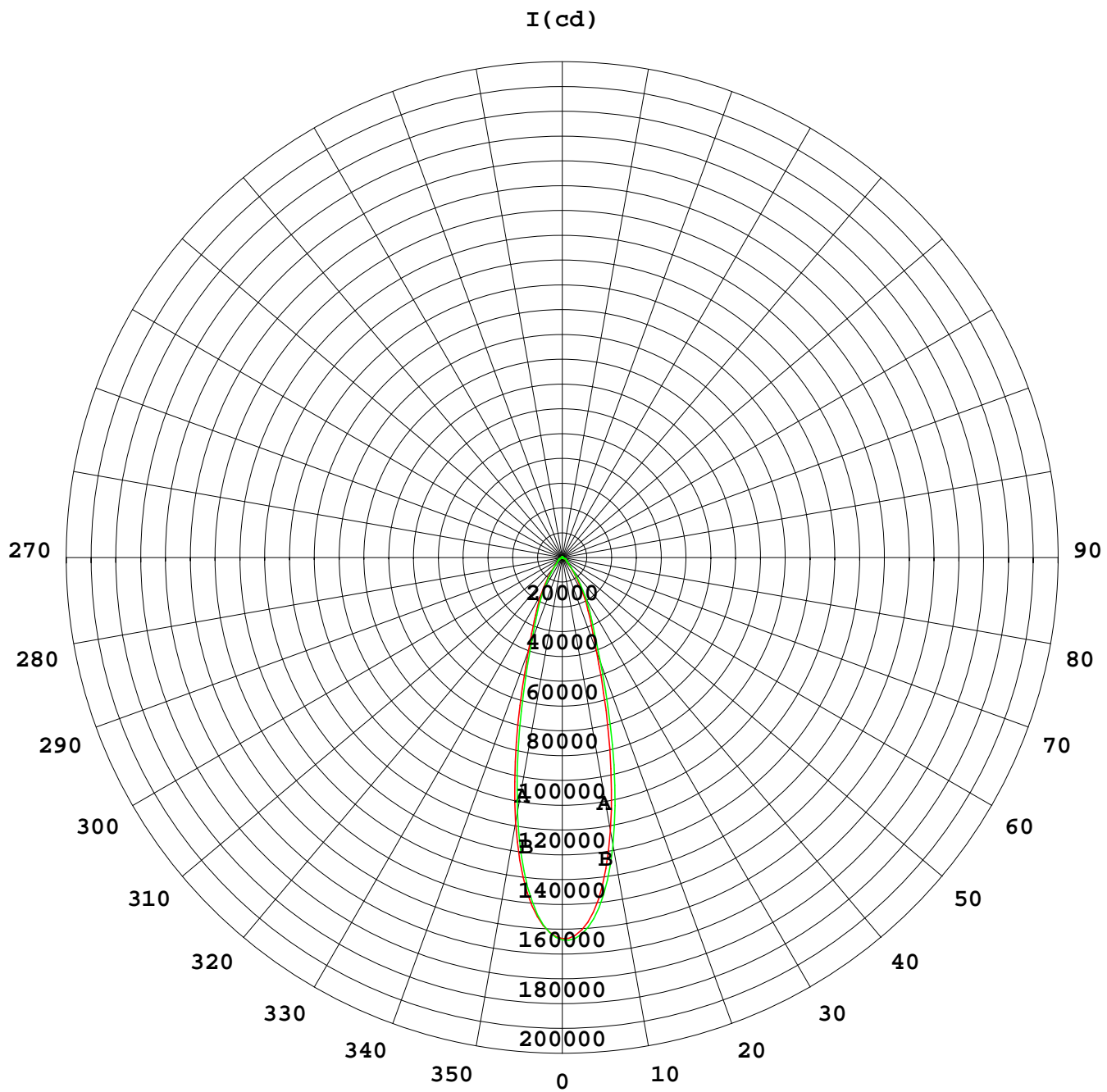
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: HSO
Test Date: 24 October 2006
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 8.100m [K=1.0000]
Remarks: NCD-400C-D30

Photometric Data Table [cd]

69.0	1115	1069	1073	1042
72.0	871.7	833.7	821.8	805.4
75.0	641.9	604.8	592.0	583.9
78.0	430.5	403.4	385.1	386.7
81.0	248.5	233.4	209.4	211.9
84.0	112.9	107.6	94.31	91.11
87.0	33.30	34.51	33.18	31.77
90.0	16.63	16.93	17.20	17.37
93.0	18.00	18.16	18.25	18.35
96.0	19.89	19.80	19.60	19.52
99.0	22.55	22.32	22.13	22.12
102.0	26.20	26.03	25.78	25.74
105.0	31.05	30.90	30.56	30.52
108.0	37.31	37.11	36.71	36.65
111.0	45.16	44.92	44.43	44.38
114.0	55.05	54.72	54.15	54.08
117.0	67.62	67.28	66.50	66.46
120.0	83.87	83.37	82.38	82.34
123.0	104.3	103.7	102.5	102.4
126.0	129.0	128.3	126.8	126.8
129.0	156.6	156.6	154.2	154.9
132.0	187.6	187.4	184.9	185.6
135.0	219.5	219.3	216.7	217.5
138.0	250.6	250.4	248.0	248.7
141.0	279.5	278.8	277.0	277.3
144.0	304.5	304.0	302.5	302.6
147.0	325.5	324.9	323.7	323.8
150.0	341.8	341.6	340.6	340.7
153.0	354.0	353.8	353.2	353.2
156.0	362.0	361.9	361.6	361.7
159.0	366.2	365.9	366.0	366.3
162.0	366.1	366.0	366.5	367.0
165.0	362.5	362.6	363.3	363.9
168.0	356.1	356.2	357.3	357.8
171.0	348.1	348.4	349.3	349.8
174.0	341.0	341.2	342.0	342.2
177.0	336.7	336.4	336.8	336.7
180.0	335.5	334.4	334.6	334.3

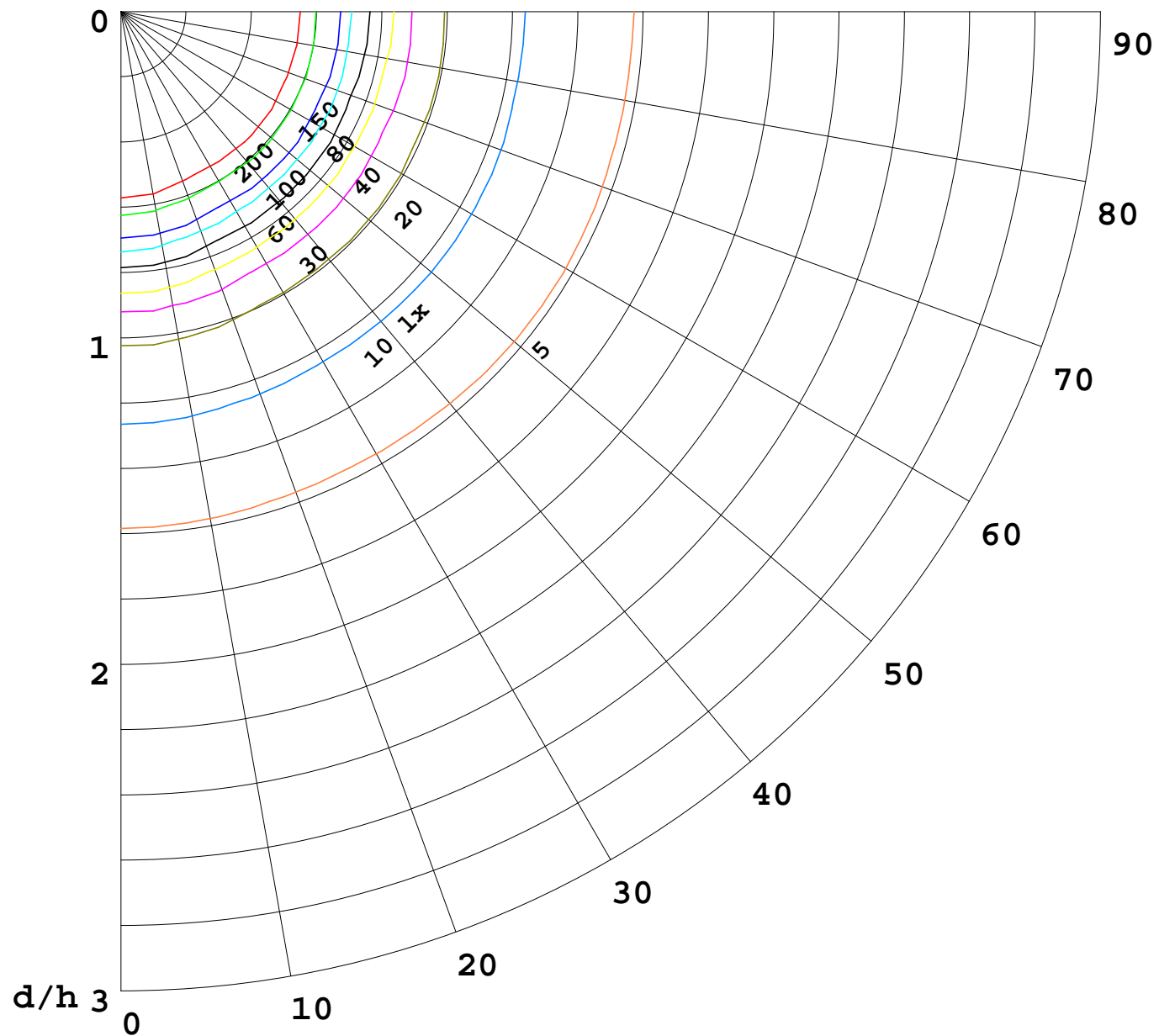
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: HSO
Test Date: 24 October 2006

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 8.100m [K=1.0000]
Remarks: NCD-400C-D30



1000 lm

$K = 1$



F = 1000 lm
K = 0.7
Hcc = 0.8 m
Hfc = 0.0 m
Eave = 100 lx

	Pcc	Pw	Pfc
—————	70	50	30
—————	50	30	20

