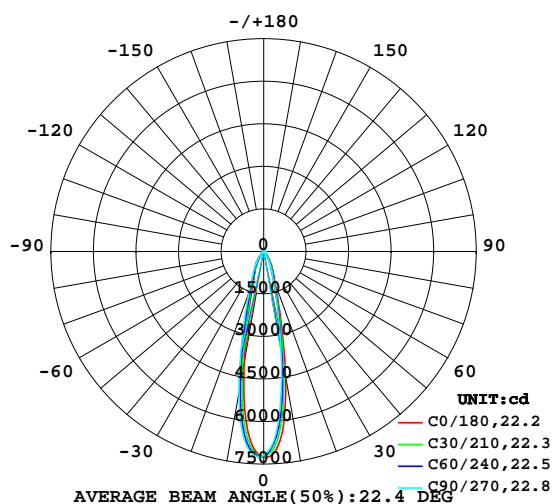


LUMINAIRE PHOTOMETRIC TEST REPORT

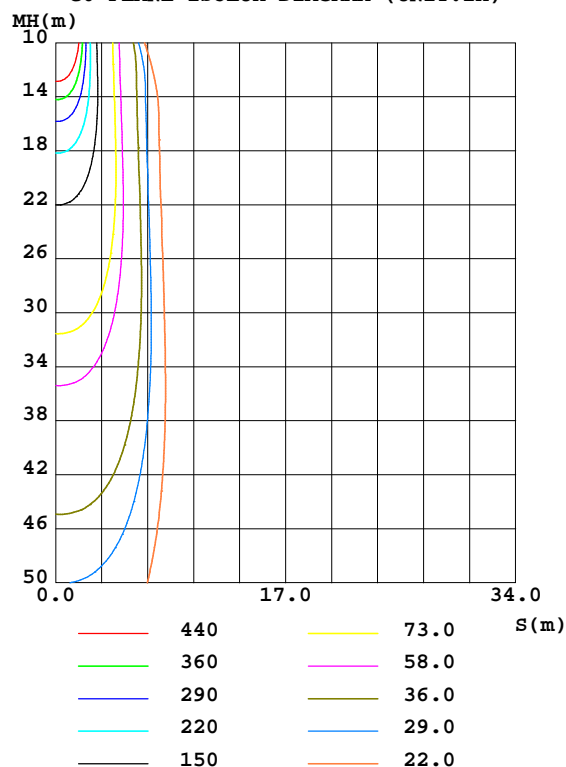
Test:U:219.4V I:0.6048A P:129.6W PF:0.9764 Lamp Flux:19239.1x1 lm		
NAME: NTB-130C_A20	TYPE:LED	WEIGHT:
SPEC.:130C_A20	DIM.:	SERIAL No.:
MFR.: ICEPIPE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 148.50 lm/W			
MODEL	NTB-130C_A20	Imax(cd)	72640	S/MH(C0/180)	0.37
NOMINAL POWER(W)	130	LOR(%)	100.0	S/MH(C90/270)	0.44
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	19239	η UP,DN(C0-180)	0.9,43.5
NOMINAL FLUX(lm)	19239.1	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.7,54.9
LAMPS INSIDE	1	η up(%)	1.6	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	220	η down(%)	98.4	CIBSE SHR MAX	1.00

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:KAR
 Test Date:22 July 2021

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: NTB-130C_A20

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	4452	3884	3554	3645	3978	4587	5048	4925	0- 10	5462	5462	28.4,28.4
20	1202	994.5	952.8	891.0	1051	1202	1493	1350	10- 20	6163	11625	60.4,60.4
30	543.7	464.7	354.0	409.3	450.5	562.7	636.4	622.6	20- 30	3456	15080	78.4,78.4
40	135.7	171.1	112.1	147.5	110.7	224.3	223.4	277.0	30- 40	1953	17034	88.5,88.5
50	70.44	72.37	61.72	66.33	64.75	83.59	87.99	105.9	40- 50	844.6	17878	92.9,92.9
60	52.91	45.25	41.57	41.63	48.38	50.76	54.13	54.27	50- 60	542.0	18420	95.7,95.7
70	27.28	21.79	18.57	19.67	24.97	25.02	25.60	25.86	60- 70	348.4	18769	97.6,97.6
80	7.524	4.524	3.266	3.746	6.406	6.114	6.381	6.470	70- 80	142.9	18912	98.3,98.3
90	0.4383	0.4849	0.5135	0.5353	0.4272	0.4147	0.4006	0.4179	80- 90	21.04	18933	98.4,98.4
100	0.7033	0.8229	0.9167	0.9131	0.6729	0.6036	0.5510	0.5721	90-100	6.186	18939	98.4,98.4
110	1.374	1.568	1.765	1.716	1.315	1.100	0.9862	1.008	100-110	10.54	18949	98.5,98.5
120	2.832	3.229	3.574	3.471	2.620	2.192	1.963	1.981	110-120	19.20	18969	98.6,98.6
130	6.142	6.728	7.201	7.023	5.648	4.902	4.433	4.510	120-130	36.61	19005	98.8,98.8
140	9.982	10.39	10.72	10.55	9.729	8.966	8.514	8.521	130-140	59.82	19065	99.1,99.1
150	12.18	12.27	12.41	12.29	12.26	11.71	11.44	11.36	140-150	68.49	19133	99.5,99.5
160	13.06	12.92	12.96	12.90	13.14	12.81	12.72	12.57	150-160	57.71	19191	99.8,99.8
170	12.65	12.34	12.40	12.43	12.72	12.57	12.74	12.48	160-170	36.35	19228	99.9,99.9
180	11.72	11.65	12.05	11.83	11.76	11.63	12.08	11.82	170-180	11.61	19239	100,100
DEG	LUMINOUS INTENSITY:≠10cd									UNIT:lm		

Conical surface Flux(90deg): 17523 lm

%lum = 91.1%

%lamp = 91.1%

Conical surface Flux(120deg): 18420 lm

%lum = 95.7%

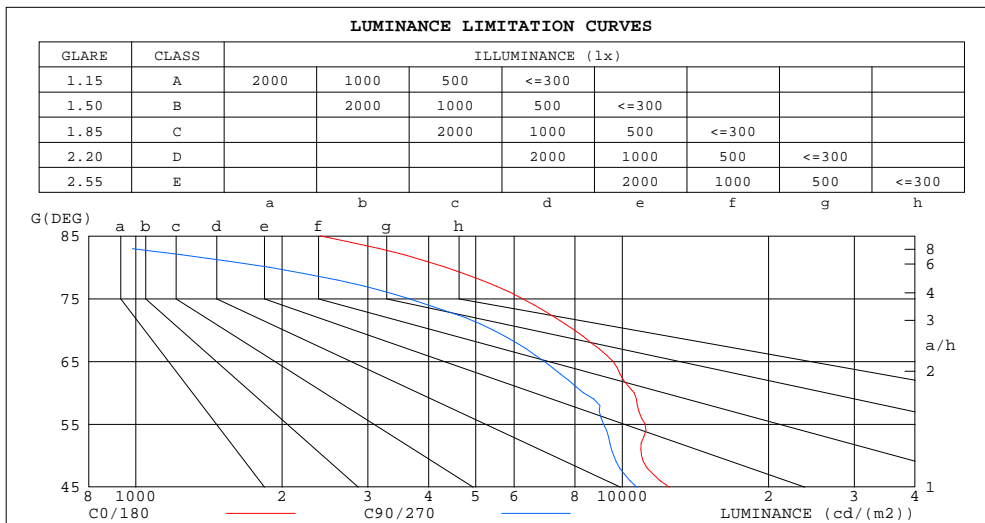
%lamp = 95.7%

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:KAR
Test Date:22 July 2021

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: NTB-130C_A20

LUMINANCE LIMITATION CURVES

Test:U:219.4V I:0.6048A P:129.6W PF:0.9764 Lamp Flux:19239.1x1 lm		
NAME: NTB-130C_A20	TYPE:LED	WEIGHT:
SPEC.:130C_A20	DIM.:	SERIAL No.:
MFR.: ICEPIPE	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	2395	702
80	4333	1881
75	6233	3645
70	7977	5430
65	9574	6912
60	10581	8314
55	11142	9153
50	10958	9601
45	12497	10711

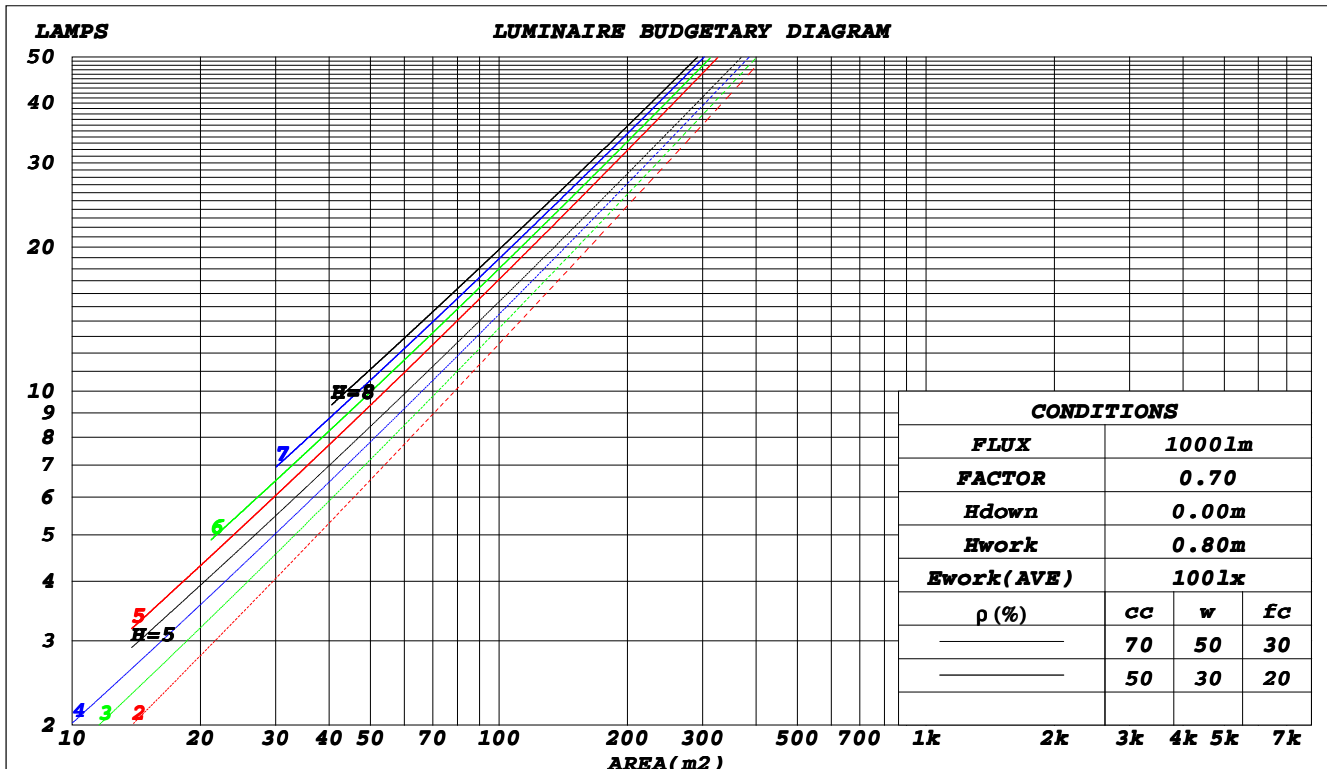
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:KAR
Test Date:22 July 2021

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: NTB-130C_A20

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:219.4V I:0.6048A P:129.6W PF:0.9764 Lamp Flux:19239.1x1 lm		
NAME: NTB-130C_A20	TYPE:LED	WEIGHT:
SPEC.:130C_A20	DIM.:	SERIAL No.:
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	1.01	1.01	1.01	.98
1.0	1.11	1.09	1.07	1.09	1.07	1.05	1.04	1.03	1.01	1.00	.99	.98	.97	.96	.95	.93
2.0	1.04	1.00	.97	1.02	.99	.96	.99	.96	.94	.96	.93	.91	.93	.91	.89	.88
3.0	.98	.94	.90	.97	.92	.89	.94	.90	.88	.91	.88	.86	.89	.87	.85	.83
4.0	.93	.88	.84	.92	.87	.84	.89	.86	.82	.87	.84	.81	.85	.83	.80	.79
5.0	.88	.83	.79	.87	.83	.79	.85	.81	.78	.84	.80	.77	.82	.79	.77	.75
6.0	.84	.79	.75	.83	.79	.75	.82	.78	.74	.80	.77	.74	.79	.76	.73	.72
7.0	.81	.75	.72	.80	.75	.72	.79	.74	.71	.77	.73	.71	.76	.73	.70	.69
8.0	.77	.72	.69	.77	.72	.69	.76	.71	.68	.75	.71	.68	.73	.70	.67	.66
9.0	.74	.69	.66	.74	.69	.66	.73	.69	.66	.72	.68	.65	.71	.68	.65	.64
10.0	.72	.67	.64	.71	.67	.63	.70	.66	.63	.70	.66	.63	.69	.65	.63	.62



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:KAR
Test Date:22 July 2021

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: NTB-130C_A20

WEC AND CCEC

Test:U:219.4V I:0.6048A P:129.6W PF:0.9764 Lamp Flux:19239.1x1 lm		
NAME: NTB-130C_A20	TYPE:LED	WEIGHT:
SPEC.:130C_A20	DIM.:	SERIAL No.:
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	.167	.095	.030	.160	.091	.029	.146	.084	.027	.134	.077	.025	.122	.071	.023		
2.0	.157	.086	.026	.151	.083	.026	.140	.078	.024	.129	.073	.023	.120	.068	.021		
3.0	.148	.079	.024	.142	.076	.023	.133	.072	.022	.124	.068	.021	.116	.064	.020		
4.0	.138	.072	.021	.134	.070	.021	.126	.067	.020	.118	.063	.019	.111	.060	.018		
5.0	.130	.066	.019	.127	.065	.019	.119	.062	.018	.113	.059	.018	.106	.057	.017		
6.0	.123	.062	.018	.120	.060	.017	.113	.058	.017	.107	.056	.016	.102	.054	.016		
7.0	.116	.058	.016	.114	.057	.016	.108	.055	.016	.103	.053	.015	.098	.051	.015		
8.0	.111	.054	.015	.108	.053	.015	.103	.051	.015	.098	.050	.014	.094	.048	.014		
9.0	.105	.051	.014	.103	.050	.014	.098	.049	.014	.094	.047	.014	.090	.046	.013		
10.0	.100	.048	.013	.098	.047	.013	.094	.046	.013	.090	.045	.013	.087	.044	.013		

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	.203	.203	.203	.173	.173	.173	.118	.118	.118	.068	.068	.068	.022	.022	.022	
1.0	.183	.170	.158	.156	.146	.136	.107	.100	.094	.062	.058	.055	.020	.019	.018	
2.0	.167	.145	.127	.143	.125	.109	.098	.086	.076	.056	.050	.045	.018	.016	.015	
3.0	.153	.126	.104	.131	.109	.090	.090	.075	.063	.052	.044	.037	.017	.014	.012	
4.0	.142	.111	.087	.122	.096	.076	.084	.067	.053	.048	.039	.032	.016	.013	.010	
5.0	.132	.099	.075	.114	.086	.065	.078	.060	.046	.045	.035	.027	.015	.011	.009	
6.0	.124	.090	.065	.107	.078	.056	.074	.054	.040	.043	.032	.024	.014	.010	.008	
7.0	.117	.082	.057	.101	.071	.050	.069	.050	.035	.040	.029	.021	.013	.010	.007	
8.0	.111	.075	.051	.095	.065	.044	.066	.046	.031	.038	.027	.019	.012	.009	.006	
9.0	.105	.070	.046	.090	.061	.040	.063	.043	.028	.036	.025	.017	.012	.008	.006	
10.0	.100	.065	.042	.086	.057	.037	.060	.040	.026	.035	.024	.016	.011	.008	.005	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:KAR
Test Date:22 July 2021

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: NTB-130C_A20

UGR(Unified Glare Rating) Table

Test:U:219.4V I:0.6048A P:129.6W PF:0.9764 Lamp Flux:19239.1x1 lm										
NAME: NTB-130C_A20					TYPE:LED			WEIGHT:		
SPEC.:130C_A20					DIM.:			SERIAL No.:		
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	16.4	17.3	16.7	17.4	17.6	15.3	16.1	15.5	16.3	16.4
3H	17.2	18.0	17.5	18.2	18.4	15.9	16.6	16.1	16.8	17.1
4H	17.5	18.2	17.8	18.4	18.7	16.0	16.7	16.3	16.9	17.2
6H	17.6	18.3	17.9	18.5	18.8	16.0	16.6	16.3	16.9	17.2
8H	17.6	18.2	17.9	18.5	18.8	15.9	16.6	16.3	16.9	17.1
12H	17.6	18.2	17.9	18.5	18.8	15.9	16.5	16.2	16.8	17.1
4H 2H	16.7	17.4	16.9	17.6	17.9	15.6	16.4	15.9	16.6	16.8
3H	17.6	18.2	17.9	18.5	18.8	16.3	17.0	16.7	17.3	17.6
4H	17.9	18.5	18.3	18.8	19.1	16.5	17.1	16.9	17.4	17.7
6H	18.0	18.5	18.4	18.9	19.3	16.5	17.0	16.9	17.4	17.8
8H	18.0	18.5	18.5	18.9	19.3	16.5	16.9	16.9	17.3	17.7
12H	18.0	18.5	18.5	18.9	19.3	16.4	16.9	16.9	17.3	17.7
8H 4H	17.9	18.3	18.3	18.7	19.1	16.5	17.0	17.0	17.4	17.8
6H	18.0	18.4	18.5	18.9	19.3	16.6	17.0	17.0	17.4	17.8
8H	18.1	18.4	18.5	18.9	19.3	16.5	16.9	17.0	17.3	17.8
12H	18.1	18.3	18.5	18.8	19.3	16.5	16.8	17.0	17.2	17.8
12H 4H	17.8	18.2	18.2	18.6	19.1	16.5	16.9	16.9	17.3	17.8
6H	18.0	18.3	18.5	18.8	19.3	16.5	16.9	17.0	17.3	17.8
8H	18.0	18.3	18.5	18.8	19.3	16.5	16.8	17.0	17.3	17.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.7 / - 0.8					+ 0.7 / - 0.9				
1.5H	+ 1.5 / - 0.6					+ 1.0 / - 0.7				
2.0H	+ 0.3 / - 0.5					+ 0.4 / - 0.6				

CIE Pub.117 Corrected 19239 lm Total Lamp Luminous Flux.(8log(F/F0) = 10.3)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:KAR
Test Date:22 July 2021

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: NTB-130C_A20

UTILIZATION FACTORS TABLE

Test:U:219.4V I:0.6048A P:129.6W PF:0.9764 Lamp Flux:19239.1x1 lm		
NAME: NTB-130C_A20	TYPE:LED	WEIGHT:
SPEC.:130C_A20	DIM.:	SERIAL No.:
MFR.: ICEPIPE	SUR.:	Shielding Angle:

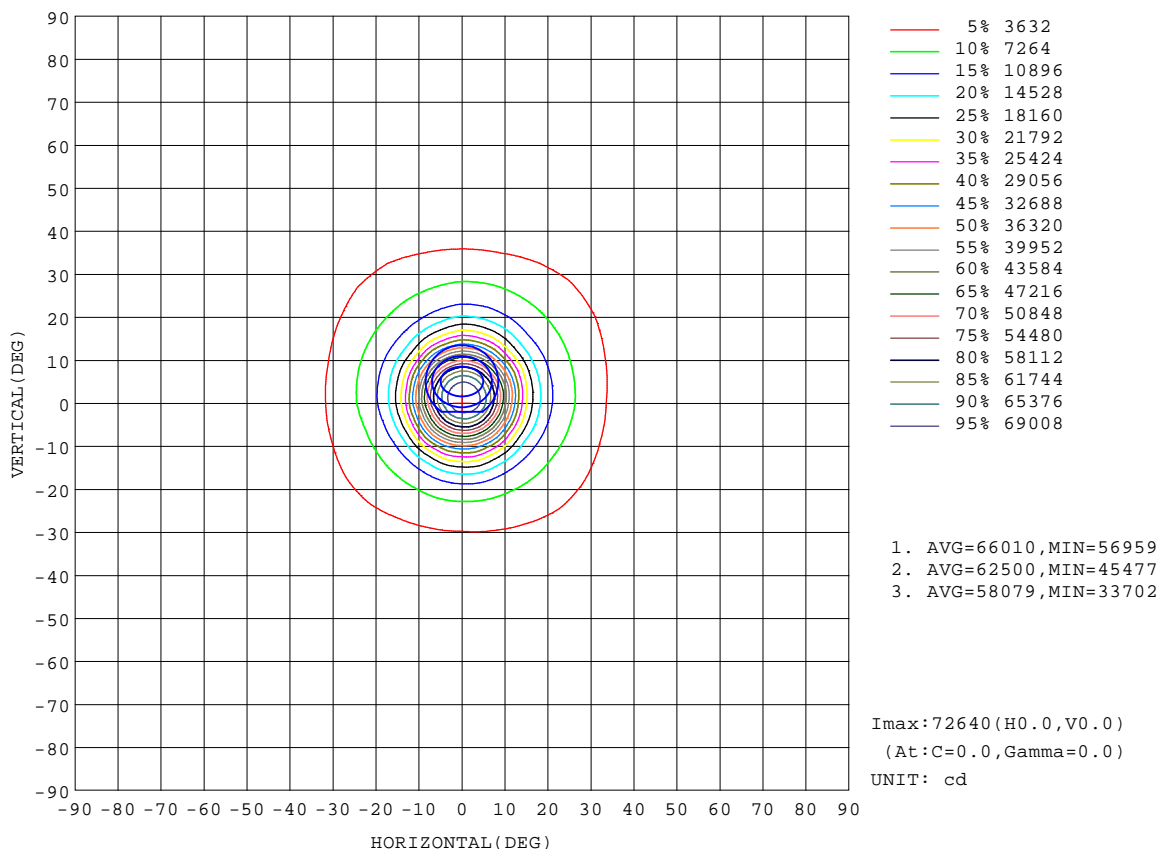
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	84	78	74	84	77	74	83	77	73	69
0.80	92	86	82	91	85	82	90	85	81	77
1.00	97	91	87	96	90	86	94	90	86	81
1.25	101	95	92	100	95	91	98	93	90	86
1.50	104	99	95	103	98	94	100	96	93	88
2.00	107	102	99	105	101	98	102	99	96	91
2.50	109	105	101	107	103	100	104	101	98	92
3.00	111	107	104	109	105	103	105	102	100	93
4.00	113	110	107	111	108	106	107	105	103	95
5.00	114	112	110	112	110	108	108	106	105	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:KAR
Test Date:22 July 2021

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: NTB-130C_A20

ISOCANDELA DIAGRAM

Test:U:219.4V I:0.6048A P:129.6W PF:0.9764 Lamp Flux:19239.1x1 lm		
NAME: NTB-130C_A20	TYPE:LED	WEIGHT:
SPEC.:130C_A20	DIM.:	SERIAL No.:
MFR.: ICEPIPE	SUR.:	Shielding Angle:



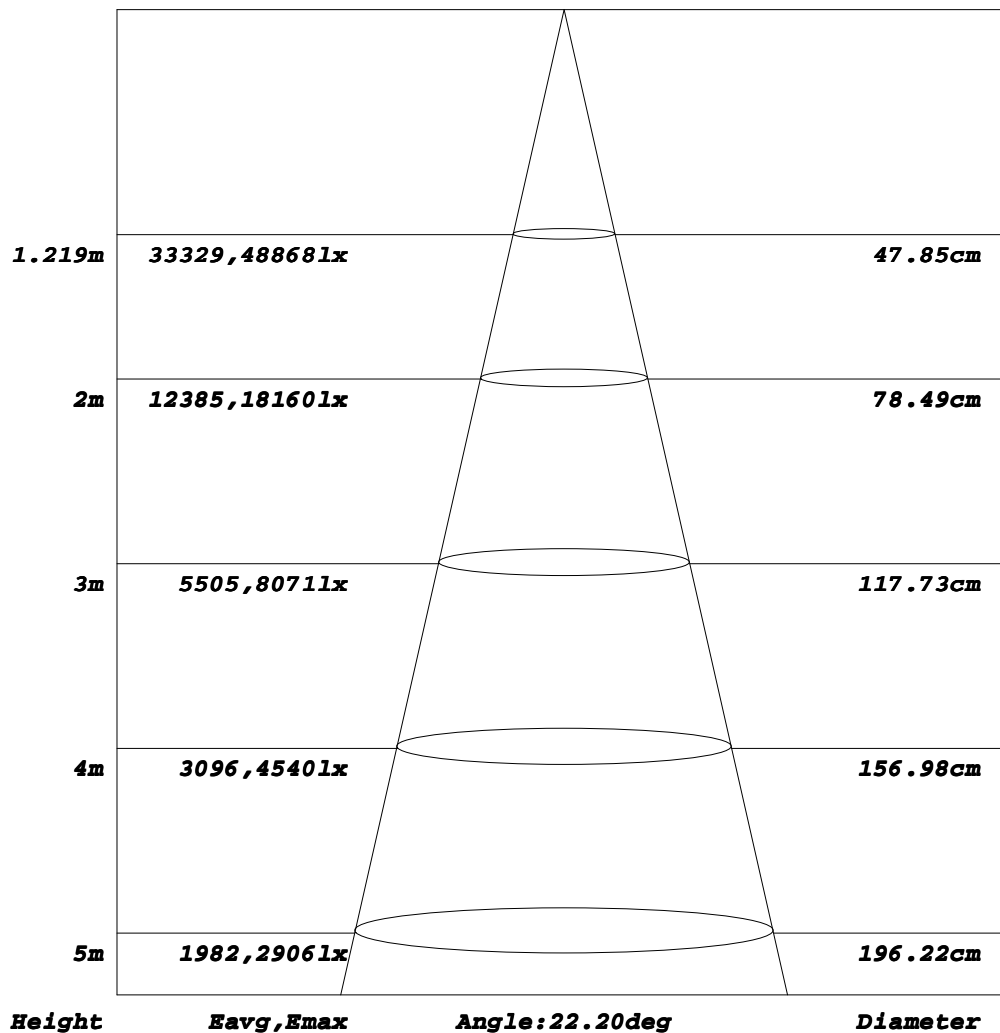
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:KAR
Test Date:22 July 2021

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: NTB-130C_A20

AAI Figure

Test:U:219.4V I:0.6048A P:129.6W PF:0.9764 Lamp Flux:19239.1x1 lm		
NAME: NTB-130C_A20	TYPE:LED	WEIGHT:
SPEC.:130C_A20	DIM.:	SERIAL No.:
MFR.: ICEPIPE	SUR.:	Shielding Angle:

Flux out:7032 lm



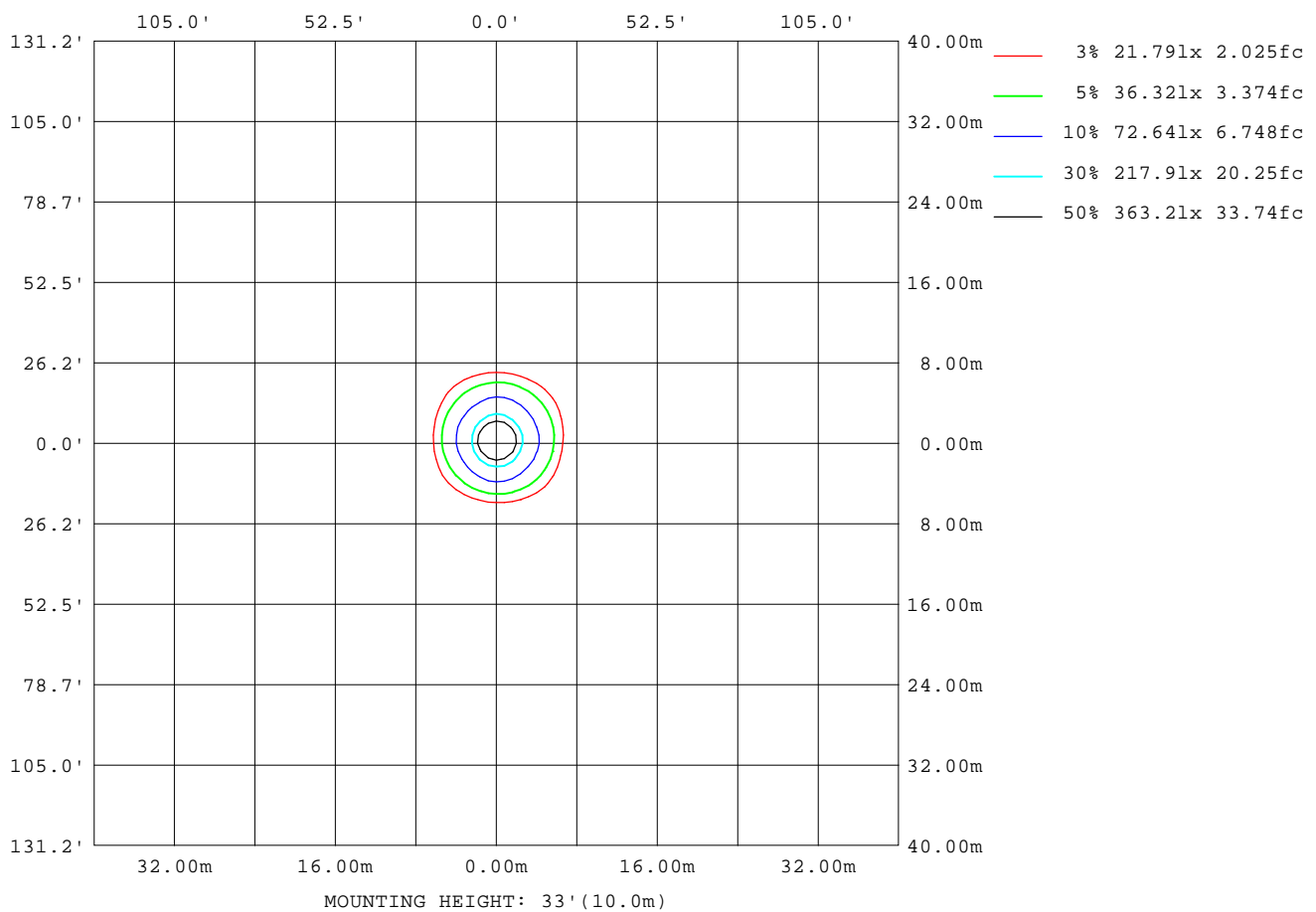
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: KAR
Test Date: 22 July 2021

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: NTB-130C_A20

ISOLUX DIAGRAM

Test:U:219.4V I:0.6048A P:129.6W PF:0.9764 Lamp Flux:19239.1x1 lm		
NAME: NTB-130C_A20	TYPE:LED	WEIGHT:
SPEC.:130C_A20	DIM.:	SERIAL No.:
MFR.: ICEPIPE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:KAR
Test Date:22 July 2021

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: NTB-130C_A20

LED Avg.L Report

Test:U:219.4V I:0.6048A P:129.6W PF:0.9764 Lamp Flux:19239.1x1 lm		
NAME: NTB-130C_A20	TYPE:LED	WEIGHT:
SPEC.:130C_A20	DIM.:	SERIAL No.:
MFR.: ICEPIPE	SUR.:	Shielding Angle:

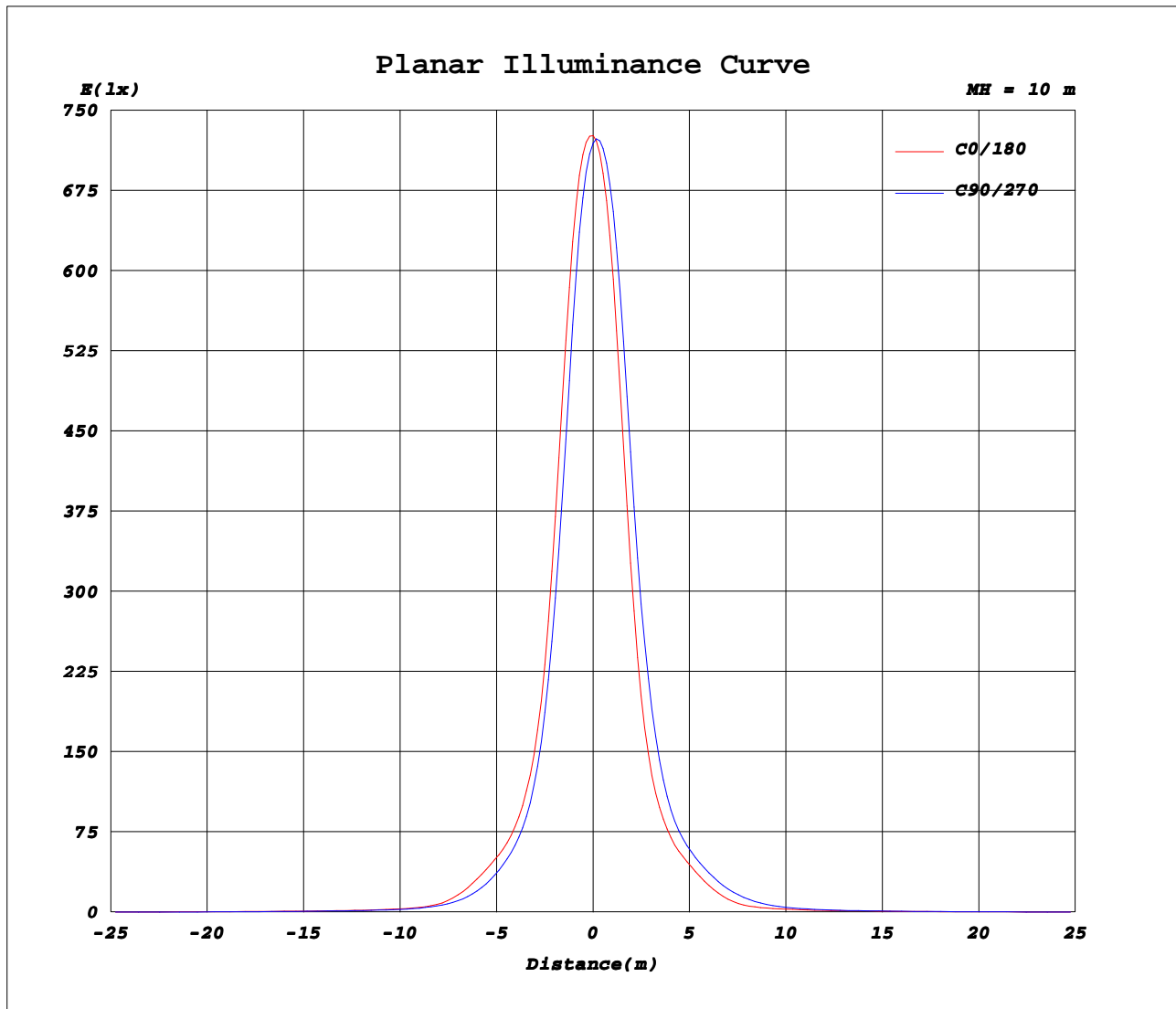
AvgL	cd/m2
L_0~180(65)av	9228
L_0~180(75)av	5937
L_0~180(85)av	2066
L_90~270(65)av	8005
L_90~270(75)av	4639
L_90~270(85)av	1237
L_45(65)av	8270
L_45(75)av	4937
L_45(85)av	1412

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:KAR
Test Date:22 July 2021

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: NTB-130C_A20

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: KAR
Test Date: 22 July 2021

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: NTB-130C_A20

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.4V I:0.6048A P:129.6W PF:0.9764 Lamp Flux:19239.1x1 lm		
NAME: NTB-130C_A20	TYPE:LED	WEIGHT:
SPEC.:130C_A20	DIM.:	SERIAL No.:
MFR.: ICEPIPE	SUR.:	Shielding Angle:

Table--1

UNIT: #10cd

C(DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	7264	7242	7226	7212	7205	7199	7193	7198	7201	7203	7200	7203	7264	7242	7226	7212	7205	7199	7193
5	6697	6566	6424	6315	6193	6112	6028	6020	6025	6090	6139	6225	6400	6502	6614	6700	6788	6840	6891
10	4452	4229	4036	3884	3722	3647	3554	3559	3577	3645	3674	3746	3978	4151	4391	4587	4808	4938	5048
15	2192	2072	1927	1891	1820	1836	1769	1755	1678	1693	1673	1761	1918	2010	2173	2305	2524	2628	2810
20	1202	1124	1052	994	972	971	953	933	900	891	905	957	1051	1102	1158	1202	1294	1376	1493
25	791	741	693	669	635	616	596	593	587	603	613	636	699	731	761	784	818	871	925
30	544	514	488	465	417	380	354	357	373	409	422	426	451	486	534	563	603	611	636
35	296	289	301	294	252	214	194	197	221	252	253	226	222	245	315	386	410	397	398
40	136	135	160	171	143	121	112	113	126	148	137	112	111	117	156	224	248	228	223
45	88.4	88.0	93.6	102	91.5	79.3	75.7	76.1	82.9	91.5	84.0	77.3	78.0	81.2	91.3	128	147	134	129
50	70.4	69.2	71.0	72.4	68.0	62.6	61.7	60.9	63.5	66.3	64.4	62.5	64.7	65.5	71.5	83.6	96.3	89.9	88.0
55	63.9	60.2	58.2	57.7	54.7	51.5	52.5	50.3	51.4	53.7	54.2	53.9	58.3	59.0	59.2	64.2	69.5	67.1	67.8
60	52.9	49.0	46.9	45.2	42.2	40.1	41.6	39.5	39.8	41.6	43.2	44.3	48.4	48.2	49.3	50.8	51.8	50.9	54.1
65	40.5	37.4	35.5	33.2	30.5	29.2	29.2	28.6	28.5	30.4	32.1	33.2	37.5	37.4	37.4	37.4	37.4	37.0	38.4
70	27.3	25.8	23.5	21.8	19.6	18.6	18.6	18.2	18.0	19.7	20.8	22.5	25.0	25.2	25.3	25.0	24.9	24.6	25.6
75	16.1	15.2	13.3	11.8	10.3	9.64	9.43	9.36	9.29	10.2	11.4	12.7	14.6	14.8	14.7	14.3	14.1	14.0	14.6
80	7.52	6.90	5.58	4.52	3.78	3.49	3.27	3.29	3.32	3.75	4.33	5.34	6.41	6.73	6.62	6.11	5.95	6.05	6.38
85	2.09	1.85	1.28	0.94	0.72	0.66	0.61	0.62	0.65	0.75	0.90	1.20	1.51	1.76	1.65	1.51	1.47	1.44	1.54
90	0.44	0.44	0.46	0.48	0.50	0.51	0.51	0.53	0.53	0.54	0.53	0.51	0.43	0.42	0.42	0.41	0.41	0.40	0.40
95	0.53	0.55	0.58	0.62	0.64	0.66	0.67	0.68	0.69	0.68	0.67	0.64	0.52	0.50	0.49	0.48	0.48	0.47	0.46
100	0.70	0.74	0.78	0.82	0.86	0.89	0.92	0.93	0.93	0.91	0.89	0.85	0.67	0.64	0.62	0.60	0.59	0.56	0.55
105	0.98	1.02	1.08	1.13	1.19	1.23	1.28	1.28	1.28	1.24	1.22	1.18	0.93	0.88	0.83	0.80	0.77	0.74	0.72
110	1.37	1.44	1.50	1.57	1.64	1.71	1.77	1.77	1.76	1.72	1.68	1.63	1.31	1.23	1.15	1.10	1.05	1.02	0.99
115	1.94	2.02	2.12	2.21	2.32	2.40	2.48	2.48	2.46	2.40	2.36	2.28	1.84	1.73	1.62	1.53	1.46	1.42	1.38
120	2.83	2.96	3.10	3.23	3.38	3.48	3.57	3.58	3.55	3.47	3.41	3.30	2.62	2.47	2.31	2.19	2.08	2.02	1.96
125	4.25	4.42	4.61	4.77	4.96	5.08	5.20	5.20	5.17	5.06	4.98	4.84	3.86	3.65	3.44	3.26	3.10	3.00	2.91
130	6.14	6.34	6.55	6.73	6.93	7.07	7.20	7.20	7.14	7.02	6.93	6.78	5.65	5.38	5.12	4.90	4.69	4.56	4.43
135	8.18	8.38	8.56	8.73	8.91	9.05	9.17	9.16	9.10	8.97	8.88	8.74	7.75	7.46	7.17	6.94	6.72	6.57	6.44
140	9.98	10.1	10.3	10.4	10.5	10.6	10.7	10.7	10.7	10.5	10.5	10.4	9.73	9.45	9.19	8.97	8.77	8.64	8.51
145	11.3	11.4	11.5	11.5	11.6	11.7	11.8	11.8	11.7	11.6	11.5	11.5	11.3	11.0	10.8	10.6	10.5	10.3	10.2
150	12.2	12.2	12.2	12.3	12.3	12.4	12.4	12.4	12.3	12.3	12.2	12.2	12.3	12.0	11.9	11.7	11.6	11.5	11.4
155	12.8	12.8	12.7	12.7	12.7	12.8	12.8	12.8	12.7	12.7	12.7	12.7	12.9	12.7	12.5	12.4	12.3	12.3	12.2
160	13.1	13.0	12.9	12.9	12.9	12.9	13.0	13.0	12.9	12.9	12.9	12.9	13.1	13.0	12.9	12.8	12.8	12.7	12.7
165	13.0	13.0	12.9	12.8	12.8	12.8	12.9	12.9	12.9	12.8	12.8	12.8	13.1	13.0	12.9	12.9	12.9	12.9	12.9
170	12.7	12.6	12.4	12.3	12.3	12.4	12.4	12.5	12.4	12.4	12.4	12.5	12.7	12.6	12.6	12.6	12.7	12.7	12.7
175	12.0	11.9	11.8	11.8	11.7	11.8	11.9	12.0	11.9	11.9	11.9	11.9	12.0	12.0	11.9	11.9	12.1	12.2	12.2
180	11.7	11.7	11.7	11.7	11.7	11.9	12.0	12.1	11.9	11.8	11.8	11.8	11.8	11.7	11.7	11.6	11.7	11.9	12.1

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:KAR
Test Date:22 July 2021

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: NTB-130C_A20

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.4V I:0.6048A P:129.6W PF:0.9764 Lamp Flux:19239.1x1 lm		
NAME: NTB-130C_A20	TYPE:LED	WEIGHT:
SPEC.:130C_A20	DIM.:	SERIAL No.:
MFR.: ICEPIPE	SUR.:	Shielding Angle:

Table--2

UNIT: #10cd

C(DEC) γ (DEC)	285	300	315	330	345														
0	7198	7201	7203	7200	7203														
5	6889	6888	6857	6828	6772														
10	5057	5035	4925	4846	4701														
15	2786	2755	2604	2541	2352														
20	1473	1441	1350	1301	1267														
25	930	896	858	841	818														
30	638	635	623	605	584														
35	401	422	436	416	350														
40	227	256	277	241	168														
45	133	152	168	135	95.5														
50	89.5	100	106	86.7	74.0														
55	67.6	72.2	73.9	67.1	61.9														
60	51.8	53.7	54.3	52.8	51.3														
65	37.8	38.5	38.8	39.5	38.8														
70	25.1	25.3	25.9	26.8	26.9														
75	14.4	14.4	14.8	15.7	16.1														
80	6.36	6.28	6.47	7.16	7.73														
85	1.56	1.62	1.72	1.99	2.24														
90	0.41	0.41	0.42	0.42	0.43														
95	0.46	0.47	0.47	0.47	0.47														
100	0.55	0.56	0.57	0.58	0.59														
105	0.72	0.73	0.75	0.76	0.77														
110	0.98	0.99	1.01	1.03	1.06														
115	1.37	1.37	1.39	1.42	1.48														
120	1.95	1.94	1.98	2.02	2.10														
125	2.89	2.90	2.96	3.02	3.13														
130	4.42	4.42	4.51	4.58	4.72														
135	6.41	6.40	6.49	6.56	6.72														
140	8.47	8.46	8.52	8.58	8.72														
145	10.2	10.2	10.2	10.2	10.4														
150	11.4	11.4	11.4	11.4	11.5														
155	12.2	12.1	12.1	12.1	12.2														
160	12.7	12.6	12.6	12.6	12.6														
165	12.8	12.8	12.7	12.7	12.7														
170	12.7	12.6	12.5	12.5	12.5														
175	12.2	12.1	12.0	12.0	12.0														
180	12.0	11.9	11.8	11.8	11.7														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:KAR
Test Date:22 July 2021

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: NTB-130C_A20

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	72640	72419	72256	72123	72052	71988	71929	71981	72015	72028
3.0	71136	70331	69435	68724	67986	67534	67087	67115	67109	67505
6.0	63742	62110	60400	59137	57708	56788	55819	55704	55779	56513
9.0	49951	47719	45577	43865	42266	41374	40474	40522	40729	41513
12.0	34082	32230	30516	29779	28185	28119	27060	27283	26772	27422
15.0	21921	20716	19271	18913	18199	18358	17691	17554	16784	16933
18.0	14893	14033	13062	12510	12304	12226	11886	11629	11228	11053
21.0	10932	10224	9551	9036	8808	8778	8634	8482	8201	8169
24.0	8517	8000	7430	7179	6867	6715	6545	6475	6372	6491
27.0	6931	6479	5999	5780	5392	5142	4911	4910	4942	5189
30.0	5437	5136	4882	4647	4175	3805	3540	3571	3732	4093
33.0	3896	3732	3752	3593	3123	2714	2477	2513	2749	3097
36.0	2516	2507	2660	2656	2251	1894	1729	1755	1966	2271
39.0	1518	1551	1822	1913	1596	1347	1249	1251	1388	1644
42.0	1087	1079	1262	1372	1176	993.7	927.6	935.1	1036	1201
45.0	883.7	880.3	936.1	1018	914.6	793.4	757.4	761.5	829.2	915.2
48.0	753.5	746.9	775.7	813.2	755.1	681.7	661.3	658.8	697.1	736.2
51.0	687.7	668.7	680.6	688.0	649.1	602.9	598.0	586.7	607.4	634.4
54.0	657.7	615.4	603.6	600.7	571.5	537.5	546.3	523.5	537.1	559.3
57.0	589.9	559.4	538.6	529.5	496.1	468.8	488.7	461.0	467.6	490.2
60.0	529.1	490.4	469.3	452.5	421.6	401.5	415.7	395.0	397.8	416.3
63.0	449.9	420.3	403.2	378.9	351.0	334.8	338.9	329.0	329.7	348.6
66.0	377.7	352.0	329.5	308.7	282.6	270.4	269.7	264.0	262.3	282.2
69.0	297.9	282.0	257.7	240.3	217.1	207.0	205.8	202.5	199.3	217.7
72.0	224.9	212.7	190.6	176.7	155.9	148.7	147.0	144.8	143.5	156.6
75.0	161.3	151.9	133.3	117.9	102.9	96.37	94.34	93.63	92.88	102.5
78.0	106.6	99.02	83.83	70.32	59.24	56.34	54.00	54.12	53.34	58.97
81.0	61.77	56.02	44.14	35.15	28.92	26.23	24.22	24.43	24.85	28.84
84.0	28.89	25.74	18.08	13.72	10.45	9.157	8.173	8.432	8.949	10.67
87.0	9.938	8.698	6.202	5.177	4.866	4.772	4.724	4.829	4.955	5.102
90.0	4.383	4.445	4.633	4.849	4.962	5.052	5.135	5.250	5.338	5.353
93.0	4.831	5.008	5.274	5.601	5.833	5.954	6.079	6.181	6.245	6.204
96.0	5.573	5.807	6.157	6.514	6.761	6.936	7.113	7.236	7.314	7.232
99.0	6.606	6.911	7.350	7.749	8.113	8.331	8.585	8.683	8.743	8.604
102.0	8.015	8.371	8.888	9.329	9.816	10.10	10.47	10.52	10.55	10.32
105.0	9.792	10.23	10.81	11.29	11.89	12.30	12.76	12.81	12.77	12.45
108.0	12.00	12.52	13.18	13.74	14.44	15.00	15.50	15.57	15.44	15.09
111.0	14.66	15.36	16.06	16.77	17.57	18.27	18.84	18.93	18.73	18.30
114.0	18.06	18.86	19.75	20.59	21.60	22.37	23.09	23.12	22.94	22.38
117.0	22.45	23.43	24.58	25.66	26.83	27.75	28.53	28.60	28.36	27.75
120.0	28.32	29.58	31.03	32.29	33.77	34.79	35.74	35.77	35.50	34.71
123.0	36.14	37.74	39.44	40.96	42.64	43.76	44.88	44.88	44.59	43.68
126.0	45.99	47.80	49.75	51.45	53.29	54.65	55.87	55.86	55.41	54.36
129.0	57.37	59.33	61.39	63.21	65.21	66.60	67.88	67.85	67.37	66.18
132.0	69.64	71.62	73.68	75.45	77.43	78.84	80.10	80.09	79.53	78.29
135.0	81.81	83.76	85.59	87.28	89.12	90.48	91.67	91.61	91.01	89.74
138.0	93.17	94.85	96.40	97.81	99.40	100.7	101.7	101.6	101.0	99.81
141.0	102.9	104.3	105.4	106.6	107.8	108.9	109.7	109.7	109.0	108.0
144.0	110.7	111.9	112.6	113.4	114.3	115.2	115.9	115.8	115.2	114.4
147.0	116.9	117.8	118.1	118.7	119.3	120.1	120.6	120.5	119.9	119.2
150.0	121.8	122.5	122.4	122.7	123.0	123.7	124.1	124.0	123.4	122.9
153.0	125.7	126.1	125.6	125.7	125.8	126.5	126.8	126.7	126.1	125.7
156.0	128.5	128.6	127.9	127.8	127.7	128.3	128.5	128.5	128.0	127.6
159.0	130.2	130.2	129.2	129.0	128.7	129.3	129.5	129.5	129.0	128.8
162.0	130.9	130.7	129.5	129.2	128.8	129.2	129.5	129.7	129.3	129.2
165.0	130.4	130.2	128.6	128.2	127.7	128.3	128.6	128.9	128.6	128.4
168.0	128.7	128.4	126.5	125.7	125.1	126.0	126.4	126.8	126.5	126.4
171.0	125.2	125.0	123.1	122.1	121.4	122.3	122.8	123.4	123.1	123.1
174.0	120.9	120.7	119.3	118.5	117.9	119.0	119.7	120.3	119.8	119.6
177.0	117.5	117.6	116.8	116.6	116.8	118.2	119.4	119.6	118.5	118.0
180.0	117.2	117.3	116.6	116.5	117.1	119.1	120.5	120.7	119.1	118.3
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	72005	72027	72640	72419	72256	72123	72052	71988	71929	71981
3.0	67721	68152	69396	69821	70317	70724	71148	71415	71711	71683
6.0	57050	58064	60184	61536	62965	64139	65299	65962	66610	66620
9.0	41871	42764	45237	47045	49346	51189	53188	54312	55380	55503
12.0	27254	28151	30139	31232	33533	35677	37795	39227	40492	40496
15.0	16728	17613	19183	20105	21734	23046	25239	26280	28099	27862
18.0	11198	11807	12937	13714	14507	14986	16605	17577	19091	18912
21.0	8282	8724	9570	10044	10519	10877	11564	12482	13328	13357
24.0	6610	6802	7489	7816	8223	8401	8777	9410	10007	10063
27.0	5266	5562	6000	6342	6625	6903	7249	7556	7979	8011
30.0	4224	4261	4505	4858	5337	5627	6031	6114	6364	6382

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: KAR
Test Date: 22 July 2021

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: NTB-130C_A20

Photometric Data Table [cd]

33.0	3174	2984	3042	3293	3995	4561	4830	4779	4867	4895
36.0	2233	1959	1873	2071	2746	3499	3749	3584	3564	3592
39.0	1537	1264	1221	1329	1812	2523	2758	2560	2515	2555
42.0	1099	923.5	933.9	971.7	1201	1770	2004	1818	1764	1806
45.0	839.7	773.4	780.4	812.5	913.2	1282	1466	1339	1289	1330
48.0	705.1	675.1	684.0	699.0	780.4	966.5	1124	1035	1008	1025
51.0	618.9	603.8	634.4	639.7	684.2	787.1	896.5	843.0	826.8	841.5
54.0	561.2	552.5	605.1	605.2	613.4	673.4	736.8	709.1	708.1	712.1
57.0	498.1	506.2	538.9	543.1	553.2	587.4	620.4	604.9	617.8	608.9
60.0	431.9	442.6	483.8	482.0	493.2	507.6	518.2	509.1	541.3	517.5
63.0	365.7	376.4	421.0	416.3	422.6	424.5	428.6	423.3	442.8	432.2
66.0	297.6	310.6	349.8	351.1	349.0	349.0	348.2	343.7	356.3	351.1
69.0	229.3	246.0	274.0	275.9	276.4	275.9	273.0	269.6	279.9	275.2
72.0	167.2	184.6	206.2	206.8	207.8	204.1	202.7	200.4	209.6	206.0
75.0	113.7	127.5	146.0	148.1	147.2	143.0	141.0	140.0	145.8	144.2
78.0	67.17	79.77	93.27	97.04	95.78	89.67	87.82	87.37	92.02	91.13
81.0	33.39	42.15	51.66	54.60	53.14	48.59	47.94	48.72	51.22	51.18
84.0	13.09	17.09	21.83	24.79	23.26	21.45	20.93	20.61	22.13	22.18
87.0	5.321	6.143	6.907	8.109	7.639	6.983	6.940	6.806	7.121	7.221
90.0	5.270	5.093	4.272	4.162	4.151	4.147	4.100	4.048	4.006	4.062
93.0	6.035	5.772	4.764	4.591	4.574	4.531	4.445	4.304	4.239	4.219
96.0	7.068	6.741	5.413	5.189	5.110	5.024	4.953	4.850	4.799	4.758
99.0	8.406	8.026	6.345	6.014	5.880	5.742	5.587	5.414	5.290	5.254
102.0	10.11	9.694	7.635	7.206	6.922	6.734	6.498	6.260	6.072	6.060
105.0	12.20	11.76	9.331	8.783	8.315	8.021	7.698	7.425	7.194	7.177
108.0	14.79	14.31	11.45	10.77	10.09	9.662	9.229	8.939	8.658	8.631
111.0	17.93	17.39	14.06	13.20	12.32	11.74	11.18	10.87	10.54	10.50
114.0	21.97	21.26	17.19	16.12	15.11	14.32	13.66	13.27	12.91	12.83
117.0	27.21	26.36	21.06	19.83	18.56	17.57	16.75	16.24	15.85	15.71
120.0	34.12	33.03	26.20	24.68	23.10	21.92	20.80	20.18	19.63	19.49
123.0	42.93	41.67	32.94	31.10	29.20	27.70	26.32	25.45	24.72	24.55
126.0	53.49	52.12	41.73	39.51	37.28	35.47	33.71	32.63	31.61	31.51
129.0	65.24	63.75	52.55	49.96	47.42	45.32	43.26	41.98	40.79	40.61
132.0	77.30	75.82	64.73	61.93	59.14	56.87	54.66	53.28	51.97	51.69
135.0	88.79	87.42	77.46	74.61	71.73	69.40	67.16	65.75	64.35	64.10
138.0	98.89	97.69	89.77	86.92	84.12	81.83	79.71	78.34	77.00	76.69
141.0	107.2	106.3	100.8	98.07	95.50	93.37	91.46	90.23	89.00	88.58
144.0	113.7	112.9	110.0	107.4	105.2	103.2	101.6	100.5	99.43	98.93
147.0	118.6	118.1	117.2	114.8	112.8	111.1	109.7	108.7	107.9	107.3
150.0	122.4	122.2	122.6	120.4	118.7	117.1	116.1	115.2	114.4	113.8
153.0	125.4	125.3	126.6	124.7	123.1	121.7	120.9	120.1	119.5	118.9
156.0	127.5	127.5	129.4	127.6	126.5	125.1	124.5	123.9	123.4	122.8
159.0	128.6	128.7	131.1	129.4	128.6	127.5	127.2	126.7	126.4	125.8
162.0	128.8	129.0	131.8	129.6	128.9	128.8	128.4	128.4	128.3	127.6
165.0	128.0	128.3	131.4	129.7	129.4	129.0	129.3	129.1	129.1	128.4
168.0	126.0	126.7	129.4	127.8	127.7	127.6	128.4	128.5	128.7	127.9
171.0	122.9	123.8	125.8	124.5	124.4	124.4	125.6	126.1	126.6	125.8
174.0	119.5	120.3	121.7	120.6	120.5	120.3	121.8	122.8	123.4	122.7
177.0	117.5	117.6	118.6	117.8	117.6	117.4	118.9	120.4	121.2	120.7
180.0	117.6	117.6	117.6	116.9	116.9	116.3	117.3	118.9	120.8	120.5
G/C	300.0	315.0	330.0	345.0						
0.0	72015	72028	72005	72027						
3.0	71663	71463	71342	71066						
6.0	66595	66129	65741	65028						
9.0	55402	54338	53633	52352						
12.0	40059	39004	37993	36546						
15.0	27550	26038	25413	23524						
18.0	18449	17130	16528	15710						
21.0	12854	11985	11752	11387						
24.0	9673	9178	9037	8837						
27.0	7789	7569	7392	7143						
30.0	6347	6226	6046	5844						
33.0	5041	5078	4945	4423						
36.0	3848	4011	3775	3082						
39.0	2852	3057	2717	1976						
42.0	2066	2269	1905	1289						
45.0	1521	1679	1347	955.4						
48.0	1167	1268	1004	811.8						
51.0	932.2	976.0	816.2	711.2						
54.0	768.1	790.1	700.5	638.8						
57.0	642.2	652.4	614.7	582.5						
60.0	536.6	542.7	527.8	512.8						
63.0	442.2	444.6	446.8	437.7						
66.0	357.2	361.3	370.0	363.4						

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: KAR
Test Date: 22 July 2021

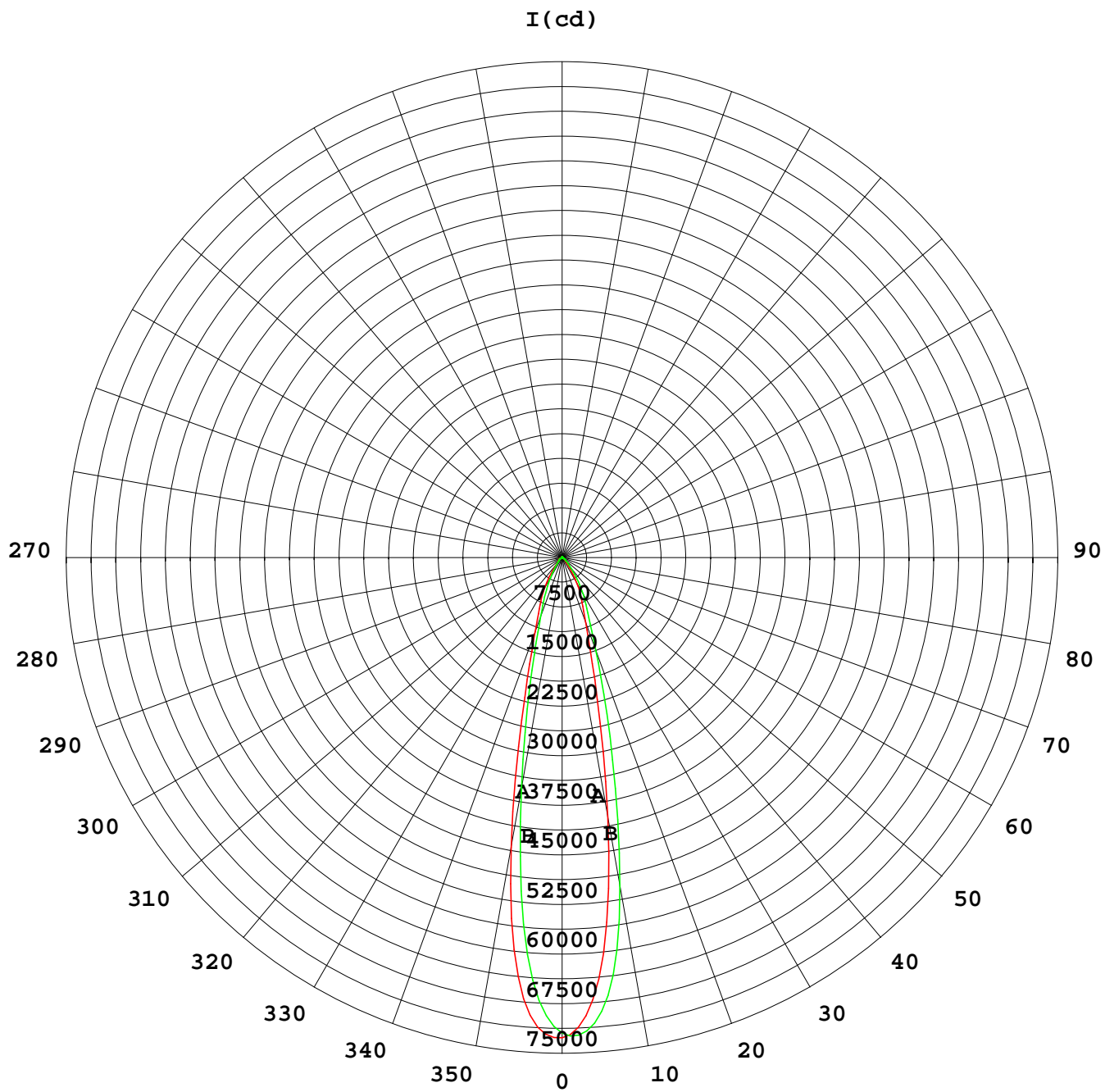
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 8.100m [K=1.0000]
Remarks: NTB-130C_A20

Photometric Data Table [cd]

69.0	278.0	283.2	293.0	292.2
72.0	206.4	211.6	219.8	223.6
75.0	144.4	147.7	156.6	161.3
78.0	90.99	94.55	102.3	107.3
81.0	51.10	51.95	58.47	63.65
84.0	22.74	24.18	27.00	30.64
87.0	7.707	8.068	9.489	11.02
90.0	4.104	4.179	4.225	4.333
93.0	4.318	4.417	4.492	4.448
96.0	4.844	4.855	4.910	4.924
99.0	5.354	5.460	5.554	5.586
102.0	6.179	6.320	6.423	6.511
105.0	7.275	7.459	7.572	7.747
108.0	8.689	8.896	9.056	9.351
111.0	10.50	10.74	10.93	11.36
114.0	12.78	13.04	13.30	13.85
117.0	15.68	15.94	16.29	16.92
120.0	19.43	19.81	20.20	21.02
123.0	24.57	25.07	25.59	26.57
126.0	31.54	32.29	32.89	34.09
129.0	40.70	41.54	42.23	43.63
132.0	51.79	52.65	53.38	54.89
135.0	64.05	64.92	65.61	67.16
138.0	76.57	77.33	77.97	79.46
141.0	88.42	88.95	89.49	90.84
144.0	98.71	99.02	99.49	100.6
147.0	107.0	107.2	107.6	108.6
150.0	113.5	113.6	113.9	114.7
153.0	118.6	118.5	118.7	119.5
156.0	122.5	122.3	122.5	123.0
159.0	125.3	125.0	125.1	125.4
162.0	127.1	126.7	126.7	126.7
165.0	127.8	127.2	127.1	127.0
168.0	127.1	126.2	126.0	126.0
171.0	124.9	123.8	123.7	123.8
174.0	121.7	120.7	120.8	120.8
177.0	119.8	118.8	118.9	118.7
180.0	119.2	118.2	117.7	117.5

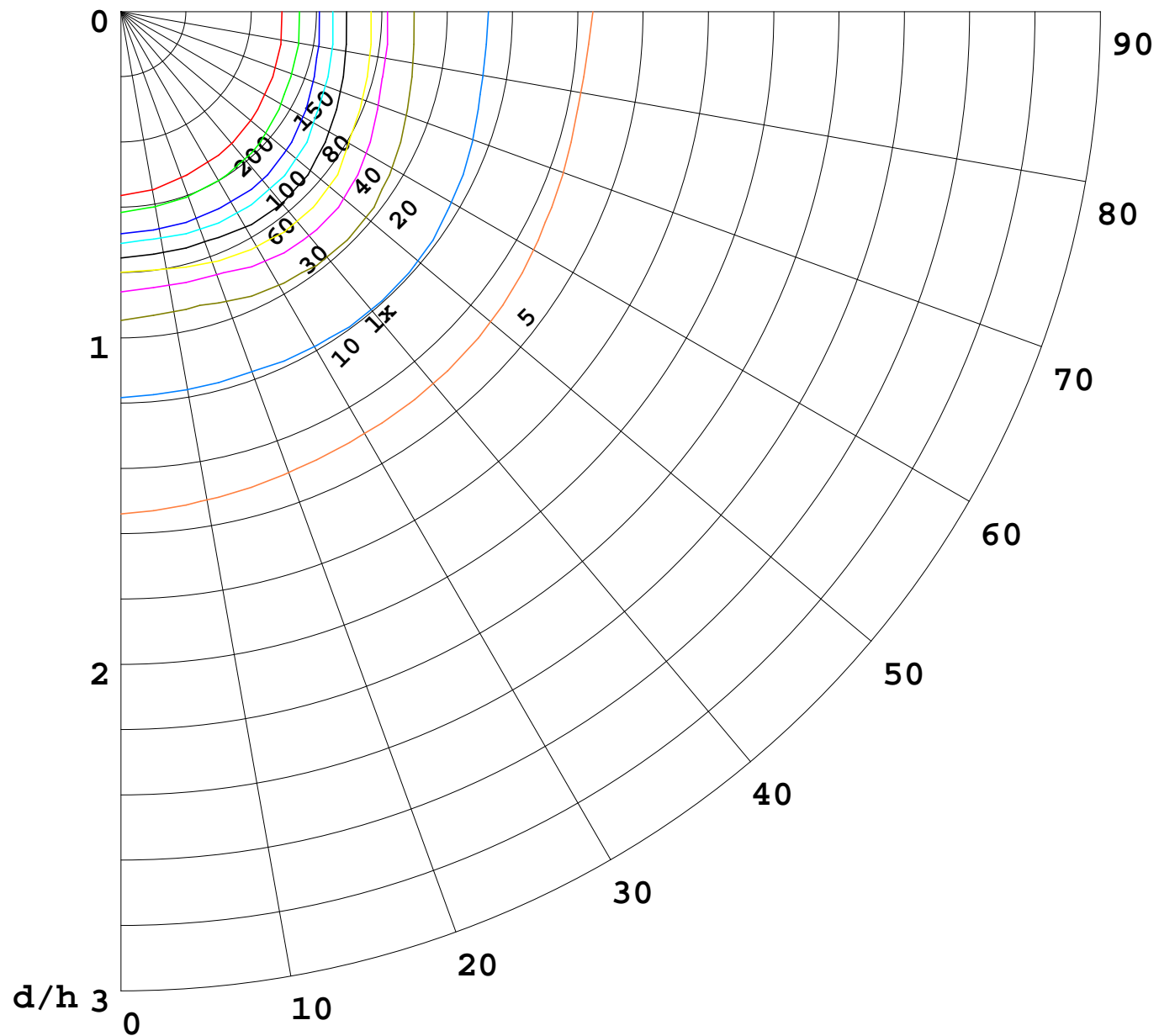
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: KAR
Test Date: 22 July 2021

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: NTB-130C_A20



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

