

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	434.7 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of I _{max}	155.5V x 155.8H
	At 50% of I _{max}	90.7V x 92.3H
	At 90% of I _{max}	31.9V x 35.4H

Beam Flux	Total	1000.1 lumens per klm.
	To 10% of I _{max}	961.3 lumens per klm.
	To 50% of I _{max}	578.3 lumens per klm.
	To 90% of I _{max}	104.2 lumens per klm.

Upward LOR	1.6 %
Downward LOR	98.5 %

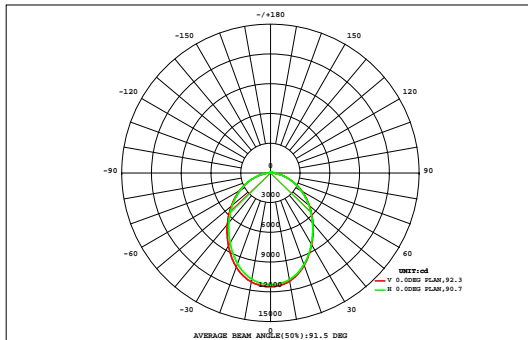
Luminaire Efficiency(Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:HSO
Test Date:11 August 2023

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:8.100m [K=1.0000]
Remarks: ELP-200-57K_DP

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.0V I:0.9636A P:206.6W PF:0.9750 Lamp Flux:26415.1x1 lm		
NAME: ELP-200-57K_DP	TYPE:LED	WEIGHT:
SPEC.:DP	DIM.:	SERIAL No.:
MFR.: ICEPIPE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:127.83lm/W	
MODEL	ELP-200-57K_DP	Imax(cd)	11483
NOMINAL POWER(W)	200	AVAILABILITY(%)	96.0
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	25367
NOMINAL FLUX(lm)	26415.1	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	26415
TEST VOLTAGE(V)	220	θ @50%(H,V)	92,91DEG

VERTICAL(DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.17	0.64	1.51	2.87	4.57	6.56	8.37	9.68	10.5	10.5	9.68	8.40	6.64	4.69	3.01	1.64	0.74	0.20	90.4	0.00
90	0.24	1.71	5.61	12.0	19.8	28.4	36.0	41.7	44.9	44.9	41.6	35.9	28.3	20.0	12.2	5.90	1.88	0.30	381	242
80	0.38	3.53	11.6	24.1	39.1	54.9	69.2	79.9	85.8	85.7	79.6	68.8	54.5	38.9	24.1	11.9	3.76	0.45	736	702
70	0.57	5.61	17.9	36.4	58.6	82.1	104	120	129	129	119	103	81.2	58.0	36.1	18.0	5.85	0.64	1105	1088
60	0.77	7.64	23.8	48.0	77.6	109	139	162	175	174	161	137	107	76.4	47.4	23.7	7.86	0.85	1478	1467
50	0.96	9.43	28.9	58.3	95.1	135	174	206	223	222	203	171	132	93.1	57.3	28.7	9.63	1.05	1850	1842
40	1.12	10.9	33.1	66.9	110	159	208	250	273	271	245	203	155	107	65.5	32.9	11.1	1.22	2204	2197
30	1.23	11.9	36.1	73.1	121	178	237	287	315	311	280	229	171	118	71.8	36.0	12.1	1.34	2491	2485
20	1.29	12.4	37.7	76.6	128	189	254	310	338	333	301	245	183	125	75.8	37.8	12.7	1.40	2661	2656
10	1.29	12.4	37.6	76.2	127	187	250	304	334	336	305	249	185	126	76.2	37.9	12.7	1.40	2658	2653
0	1.23	11.9	35.8	72.2	119	174	232	282	311	311	282	231	174	120	73.0	36.4	12.2	1.34	2482	2476
-10	1.12	10.8	32.7	65.6	108	156	205	246	270	269	245	204	156	109	67.0	33.6	11.3	1.23	2193	2187
-20	0.96	9.39	28.5	57.3	93.5	134	173	204	222	221	203	172	134	94.4	58.5	29.5	9.85	1.07	1846	1838
-30	0.78	7.62	23.5	47.2	76.7	109	138	162	174	174	161	138	109	77.6	48.3	24.4	8.09	0.87	1480	1469
-40	0.58	5.63	17.7	35.9	58.3	81.9	104	120	129	129	120	104	82.6	59.2	36.9	18.5	6.08	0.66	1111	1094
-50	0.39	3.58	11.6	23.9	39.2	55.1	69.5	80.7	86.6	86.6	80.9	69.9	55.8	40.1	24.8	12.3	3.95	0.47	745	712
-60	0.25	1.79	5.68	12.1	20.3	28.8	36.7	42.8	45.9	46.0	43.1	37.1	29.5	21.0	12.8	6.18	2.04	0.31	392	259
-70	0.18	0.72	1.66	3.12	5.04	7.10	9.09	10.7	11.5	11.5	10.8	9.33	7.41	5.35	3.39	1.86	0.82	0.22	99.9	0.00
-80	0.17	0.64	1.51	2.87	4.57	6.56	8.37	9.68	10.5	10.5	9.68	8.40	6.64	4.69	3.01	1.64	0.74	0.20	90.4	0.00
-90	0.17	0.64	1.51	2.87	4.57	6.56	8.37	9.68	10.5	10.5	9.68	8.40	6.64	4.69	3.01	1.64	0.74	0.20	90.4	0.00
HORIZONTAL(DEG)																				
Φ t	13.5	128	391	792	1301	1874	2448	2920	3178	3167	2891	2416	1853	1293	794	397	133	15.0	26005	---
Φ a	0.00	78.7	352	754	1264	1838	2412	2883	3143	3132	2855	2380	1817	1257	757	359	84.3	0.00	---	25367

one-half-peak spread: U:45.6,D:45.8 , L:45.7,R:47.3

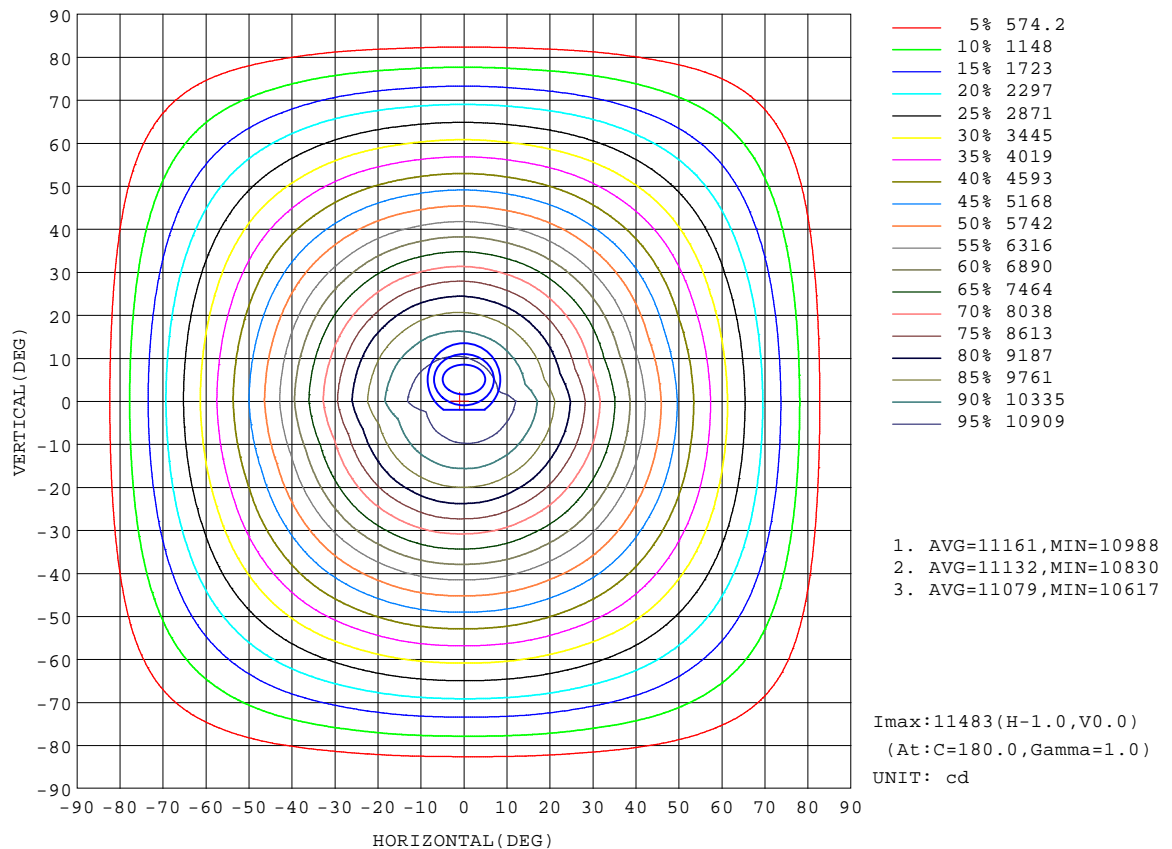
NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:HSO
Test Date:11 August 2023

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:8.100m [K=1.0000]
Remarks: ELP-200-57K_DP

ISOCANDELA DIAGRAM

Test:U:220.0V I:0.9636A P:206.6W PF:0.9750 Lamp Flux:26415.1x1 lm		
NAME: ELP-200-57K_DP	TYPE:LED	WEIGHT:
SPEC.:DP	DIM.:	SERIAL No.:
MFR.: ICEPIPE	SUR.:	Shielding Angle:

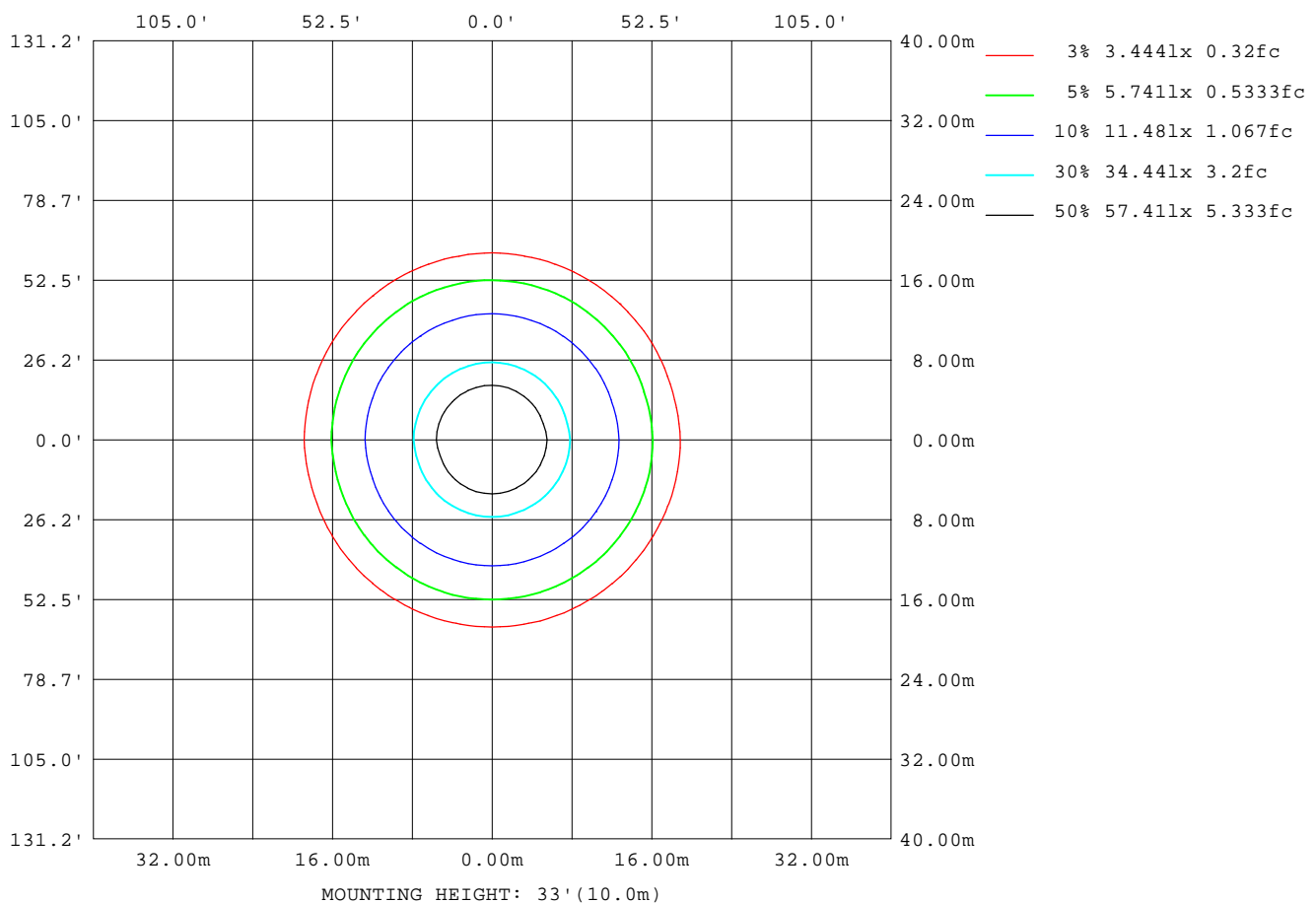


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H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
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Humidity:65.0%
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Remarks: ELP-200-57K_DP

ISOLUX DIAGRAM

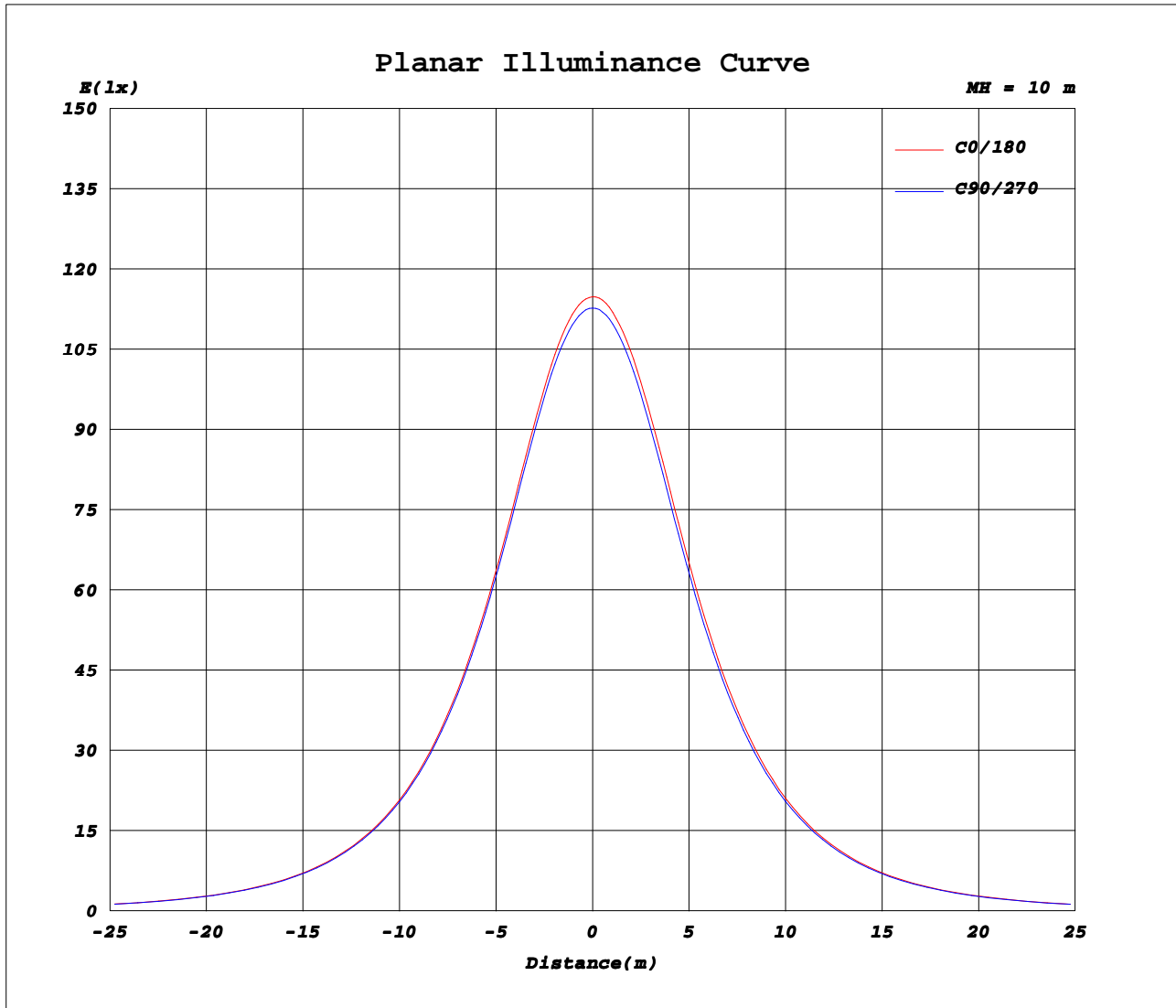
Test:U:220.0V I:0.9636A P:206.6W PF:0.9750 Lamp Flux:26415.1x1 lm		
NAME: ELP-200-57K_DP	TYPE:LED	WEIGHT:
SPEC.:DP	DIM.:	SERIAL No.:
MFR.: ICEPIPE	SUR.:	Shielding Angle:



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V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:8.100m [K=1.0000]
Remarks: ELP-200-57K_DP

Planar Illuminance Curve

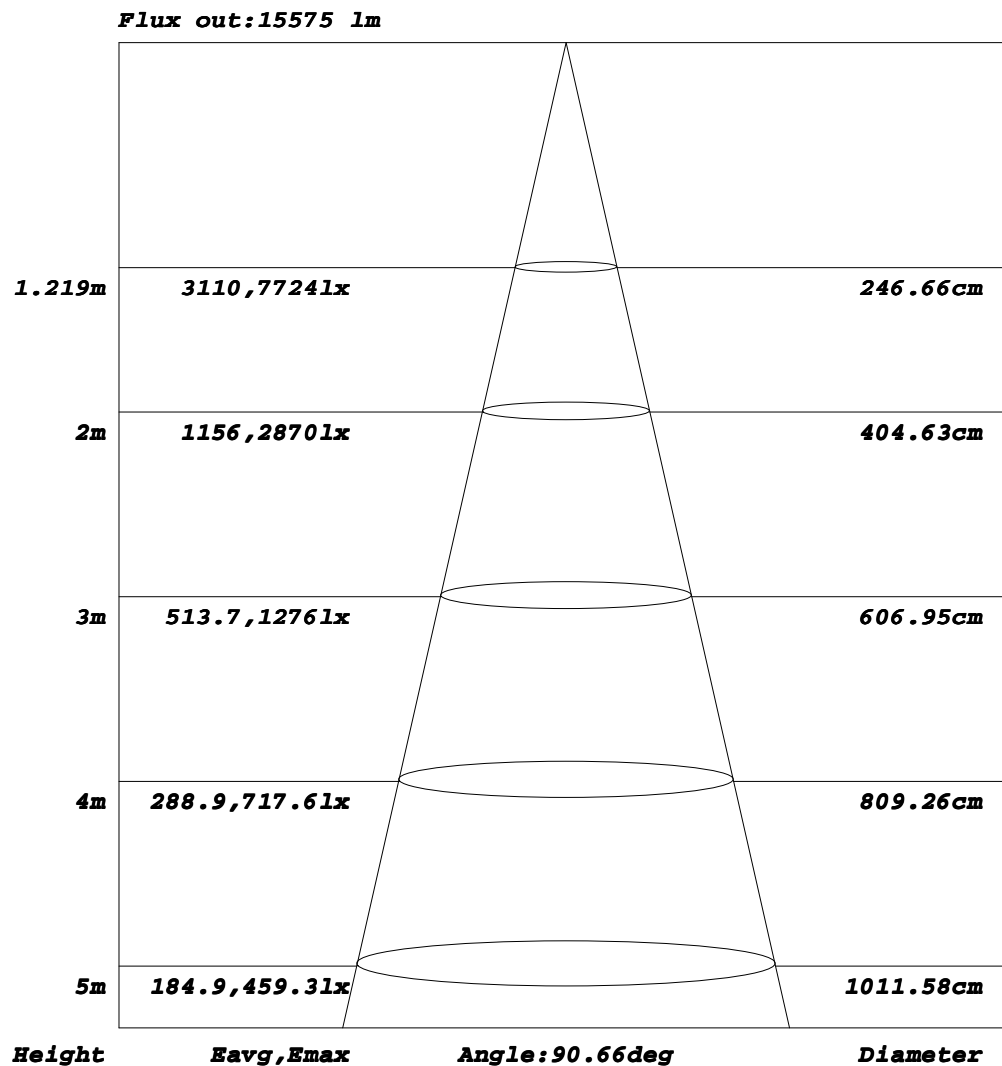


H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:HSO
Test Date:11 August 2023

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:8.100m [K=1.0000]
Remarks: ELP-200-57K_DP

AAI Figure

Test:U:220.0V I:0.9636A P:206.6W PF:0.9750 Lamp Flux:26415.1x1 lm		
NAME: ELP-200-57K_DP	TYPE:LED	WEIGHT:
SPEC.:DP	DIM.:	SERIAL No.:
MFR.: ICEPIPE	SUR.:	Shielding Angle:



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

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:HSO
Test Date:11 August 2023

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:8.100m [K=1.0000]
Remarks: ELP-200-57K_DP

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.0V I:0.9636A P:206.6W PF:0.9750 Lamp Flux:26415.1x1 lm									
NAME: ELP-200-57K_DP					TYPE:LED				
SPEC.:DP					DIM.:				
MFR.: ICEPIPE					SUR.:				
					Shielding Angle:				

Table--1

UNIT: #10cd

H(DEC) V(DEC)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-180	5.74	4.67	3.26	3.71	4.22	4.77	5.34	5.92	6.53	7.16	7.78	8.39	8.95	9.49	10.0	10.5	10.9	11.2	11.1
-170	5.74	4.73	3.40	3.89	4.47	5.08	5.72	6.36	7.02	7.70	8.36	9.00	9.48	9.86	10.2	10.5	10.7	10.9	11.0
-160	5.74	4.82	3.57	4.01	4.63	5.29	5.97	6.65	7.26	7.76	8.25	8.72	9.13	9.48	9.79	10.1	10.3	10.4	10.5
-150	5.74	4.93	3.82	4.08	4.71	5.39	6.00	6.46	6.90	7.34	7.75	8.16	8.54	8.86	9.14	9.36	9.54	9.66	9.71
-140	5.74	5.07	4.23	4.09	4.72	5.25	5.65	6.05	6.43	6.79	7.14	7.47	7.77	8.04	8.28	8.48	8.63	8.74	8.79
-130	5.74	5.21	4.66	4.10	4.60	4.92	5.24	5.56	5.87	6.16	6.44	6.70	6.94	7.14	7.33	7.48	7.59	7.67	7.72
-120	5.74	5.35	5.12	4.64	4.33	4.55	4.79	5.02	5.25	5.47	5.68	5.87	6.05	6.20	6.33	6.43	6.52	6.58	6.61
-110	5.74	5.48	5.50	5.36	4.83	4.33	4.33	4.48	4.62	4.75	4.88	5.00	5.11	5.20	5.28	5.34	5.39	5.43	5.44
-100	5.74	5.65	5.81	5.99	5.74	5.37	4.99	4.67	4.42	4.28	4.46	4.62	4.76	4.92	5.06	5.19	5.21	5.23	5.26
-90	5.74	6.07	6.39	6.72	6.72	6.72	6.72	6.75	6.79	6.82	6.88	6.93	6.99	7.07	7.14	7.22	7.21	7.21	7.21
-80	5.74	7.07	9.20	13.1	18.1	23.9	30.3	37.7	45.2	52.7	59.6	65.8	71.4	76.7	81.2	84.9	87.1	88.3	88.7
-70	5.74	8.86	17.7	31.4	47.1	65.1	83.7	102	120	137	153	167	180	192	202	209	215	218	219
-60	5.74	12.1	30.4	54.9	83.2	112	142	171	199	226	252	275	295	314	329	342	351	356	357
-50	5.74	16.1	43.7	80.1	118	158	198	238	276	314	350	383	412	438	461	480	493	501	503
-40	5.74	20.4	57.4	103	151	200	249	299	348	396	443	487	528	565	596	623	643	653	656
-30	5.74	24.5	69.3	123	179	235	293	352	411	469	527	584	638	688	732	769	797	814	818
-20	5.74	27.8	78.4	138	201	264	329	394	460	528	596	665	733	798	858	908	946	970	976
-10	5.74	29.7	84.1	148	215	283	353	425	498	572	648	724	801	878	949	1008	1053	1079	1089
0	5.74	30.4	86.1	151	220	291	364	439	517	597	679	765	851	936	1012	1073	1116	1141	1148
10	5.74	29.7	84.1	148	215	284	356	429	503	580	659	739	821	899	971	1029	1069	1091	1093
20	5.74	27.6	78.3	138	202	267	333	401	469	539	609	679	748	813	872	923	960	980	985
30	5.74	24.3	69.2	123	180	239	298	358	418	478	537	592	646	696	741	779	805	821	826
40	5.74	20.2	57.1	104	152	203	254	304	354	402	448	491	532	569	601	626	644	656	660
50	5.74	15.8	43.3	80.1	119	160	201	241	280	317	351	384	414	440	462	479	492	500	503
60	5.74	11.8	29.6	54.3	83.3	113	143	173	201	227	252	275	296	314	328	339	348	354	356
70	5.74	8.53	17.1	30.0	46.4	64.9	83.8	102	119	136	151	166	179	190	199	206	211	215	216
80	5.74	6.75	8.51	11.9	17.0	23.1	30.1	36.4	43.0	49.7	56.7	63.2	69.1	73.7	77.5	80.5	83.0	84.7	85.4
90	5.74	5.74	5.73	5.73	5.73	5.73	5.73	5.75	5.77	5.78	5.85	5.92	6.00	6.00	6.00	6.00	6.02	6.03	6.05
100	5.74	5.34	5.20	5.09	4.96	4.74	4.38	3.97	3.52	3.15	3.34	3.54	3.71	3.84	3.94	4.02	4.02	4.03	4.06
110	5.74	5.19	4.96	4.58	3.98	3.34	3.20	3.32	3.44	3.56	3.67	3.77	3.86	3.94	4.01	4.06	4.10	4.13	4.13
120	5.74	5.09	4.64	3.84	3.23	3.41	3.62	3.83	4.03	4.24	4.44	4.61	4.77	4.91	5.03	5.12	5.20	5.25	5.27
130	5.74	4.99	4.21	3.27	3.47	3.75	4.05	4.34	4.64	4.93	5.20	5.46	5.68	5.88	6.07	6.21	6.32	6.39	6.41
140	5.74	4.89	3.82	3.36	3.71	4.07	4.45	4.83	5.21	5.58	5.94	6.27	6.59	6.88	7.12	7.33	7.48	7.58	7.61
150	5.74	4.79	3.49	3.50	3.91	4.35	4.80	5.25	5.71	6.16	6.61	7.05	7.46	7.83	8.15	8.41	8.60	8.72	8.76
160	5.74	4.72	3.33	3.61	4.08	4.57	5.08	5.59	6.11	6.65	7.19	7.71	8.21	8.65	9.02	9.35	9.61	9.77	9.81
170	5.74	4.68	3.27	3.68	4.18	4.71	5.26	5.82	6.40	7.00	7.59	8.16	8.70	9.20	9.66	10.1	10.4	10.6	10.6
180	5.74	4.67	3.26	3.71	4.22	4.77	5.34	5.92	6.53	7.16	7.78	8.39	8.95	9.49	10.0	10.5	10.9	11.2	11.1

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:HSO
Test Date:11 August 2023

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:8.100m [K=1.0000]
Remarks: ELP-200-57K_DP

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.0V I:0.9636A P:206.6W PF:0.9750 Lamp Flux:26415.1x1 lm		
NAME: ELP-200-57K_DP	TYPE:LED	WEIGHT:
SPEC.:DP	DIM.:	SERIAL No.:
MFR.: ICEPIPE	SUR.:	Shielding Angle:

Table--2

UNIT: #10cd

H(DEC) V(DEC)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-180	11.3	11.1	10.9	10.6	10.3	9.87	9.43	8.94	8.40	7.84	7.27	6.70	6.13	5.55	4.99	4.47	5.93	7.33	
-170	11.0	10.9	10.6	10.4	10.1	9.71	9.30	8.81	8.28	7.74	7.19	6.63	6.07	5.51	4.96	4.47	5.93	7.33	
-160	10.5	10.4	10.2	9.95	9.66	9.32	8.91	8.46	7.98	7.48	6.97	6.45	5.93	5.40	4.89	4.46	5.96	7.33	
-150	9.69	9.60	9.46	9.26	9.02	8.70	8.33	7.94	7.52	7.09	6.64	6.18	5.70	5.22	4.76	4.55	6.04	7.33	
-140	8.76	8.69	8.56	8.38	8.17	7.92	7.62	7.30	6.95	6.59	6.21	5.81	5.40	5.00	4.61	4.86	6.15	7.33	
-130	7.70	7.64	7.55	7.42	7.25	7.06	6.84	6.59	6.31	6.01	5.70	5.38	5.05	4.73	4.43	5.29	6.27	7.33	
-120	6.60	6.56	6.50	6.40	6.28	6.14	5.98	5.80	5.59	5.36	5.13	4.90	4.67	4.44	4.78	5.74	6.39	7.33	
-110	5.44	5.42	5.38	5.33	5.26	5.18	5.08	4.97	4.85	4.72	4.60	4.44	4.37	4.84	5.59	6.18	6.56	7.33	
-100	5.26	5.27	5.29	5.21	5.12	5.01	4.87	4.70	4.51	4.50	4.67	4.98	5.51	6.02	6.35	6.56	6.84	7.33	
-90	7.25	7.30	7.35	7.35	7.35	7.35	7.34	7.34	7.33	7.31	7.29	7.27	7.32	7.38	7.43	7.39	7.36	7.33	
-80	88.6	87.7	85.8	82.5	78.3	73.3	67.9	62.0	55.4	48.1	40.5	33.0	26.8	20.8	15.2	11.2	8.43	7.33	
-70	218	215	210	203	193	182	170	156	141	124	107	88.5	70.0	51.8	34.7	20.8	11.4	7.33	
-60	356	351	342	330	315	297	277	255	231	204	176	147	118	89.3	60.2	33.6	15.0	7.33	
-50	500	493	479	461	439	413	385	353	318	281	243	205	165	125	86.0	48.4	19.0	7.33	
-40	652	640	620	594	563	528	489	446	400	353	306	257	208	158	109	62.4	23.7	7.33	
-30	811	793	764	727	685	637	584	529	473	417	359	301	243	185	128	74.4	27.8	7.33	
-20	968	942	903	853	794	731	666	600	534	467	401	335	270	206	143	83.4	30.9	7.33	
-10	1082	1056	1010	949	878	802	725	649	573	499	427	356	287	219	152	89.0	32.8	7.33	
0	1138	1109	1059	993	914	832	748	667	588	511	436	364	293	223	155	90.9	33.4	7.33	
10	1078	1046	998	936	863	787	711	637	565	493	422	353	284	217	151	88.6	32.7	7.33	
20	971	943	901	848	788	724	657	590	523	457	392	329	266	203	141	82.6	30.6	7.33	
30	816	796	766	726	680	630	578	523	466	409	351	294	237	181	126	73.3	27.3	7.33	
40	654	639	620	593	560	523	482	439	395	348	300	251	202	153	107	61.1	23.2	7.33	
50	499	490	476	458	436	409	379	347	313	276	239	200	160	121	83.3	47.0	18.5	7.33	
60	353	347	338	326	311	293	272	249	225	199	172	143	115	85.8	57.7	32.2	14.7	7.33	
70	214	211	205	198	189	178	165	151	136	120	103	85.6	67.3	49.3	32.5	19.4	11.2	7.33	
80	84.6	82.9	80.3	77.5	73.9	69.4	63.9	57.7	51.0	44.6	38.1	31.9	24.9	18.8	14.1	10.9	7.99	7.33	
90	6.03	6.02	6.01	6.00	5.99	5.97	5.93	5.88	5.83	5.88	5.92	5.97	6.01	6.05	6.10	6.51	6.92	7.33	
100	3.99	3.95	3.91	3.79	3.66	3.49	3.35	3.20	3.10	3.50	3.95	4.29	4.69	4.99	5.19	5.75	6.41	7.33	
110	4.12	4.10	4.06	4.00	3.93	3.84	3.75	3.64	3.53	3.40	3.28	3.15	3.32	4.06	4.74	5.50	6.17	7.33	
120	5.24	5.19	5.12	5.02	4.90	4.76	4.59	4.41	4.21	3.99	3.78	3.56	3.35	3.17	4.01	5.22	6.05	7.33	
130	6.39	6.31	6.20	6.05	5.87	5.66	5.43	5.18	4.89	4.60	4.29	3.99	3.69	3.40	3.47	4.85	5.98	7.33	
140	7.56	7.46	7.30	7.09	6.84	6.56	6.23	5.89	5.53	5.15	4.77	4.39	4.00	3.80	3.75	4.47	5.93	7.33	
150	8.69	8.55	8.36	8.10	7.77	7.40	6.99	6.55	6.10	5.64	5.19	4.73	4.45	4.27	4.08	4.19	5.88	7.33	
160	9.71	9.52	9.26	8.92	8.53	8.10	7.61	7.09	6.56	6.03	5.66	5.37	5.06	4.74	4.41	4.18	5.86	7.33	
170	10.5	10.2	9.86	9.46	9.02	8.54	8.10	7.75	7.36	6.94	6.51	6.07	5.63	5.17	4.72	4.32	5.87	7.33	
180	11.3	11.1	10.9	10.6	10.3	9.87	9.43	8.94	8.40	7.84	7.27	6.70	6.13	5.55	4.99	4.47	5.93	7.33	

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:HSO
Test Date:11 August 2023

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:8.100m [K=1.0000]
Remarks: ELP-200-57K_DP

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	11482	11440	11399	11361	11331	11296	11271	11245	11224	11207
3.0	11442	11400	11357	11323	11291	11264	11237	11214	11197	11179
6.0	11334	11293	11244	11214	11183	11162	11135	11119	11097	11092
9.0	11159	11117	11064	11036	10999	10985	10962	10957	10940	10941
12.0	10911	10865	10811	10780	10750	10739	10725	10726	10712	10722
15.0	10589	10543	10482	10465	10432	10429	10412	10423	10418	10432
18.0	10212	10161	10101	10077	10046	10050	10038	10059	10061	10081
21.0	9779	9731	9666	9642	9615	9624	9616	9643	9645	9673
24.0	9309	9264	9195	9175	9143	9156	9153	9186	9195	9227
27.0	8816	8772	8710	8689	8662	8670	8670	8703	8713	8744
30.0	8317	8274	8215	8195	8164	8177	8176	8213	8218	8253
33.0	7814	7781	7722	7701	7674	7684	7685	7720	7727	7754
36.0	7319	7288	7236	7218	7185	7199	7198	7229	7237	7259
39.0	6832	6806	6754	6741	6708	6720	6719	6748	6746	6771
42.0	6350	6330	6283	6270	6239	6251	6244	6273	6270	6288
45.0	5880	5861	5820	5809	5779	5788	5783	5807	5802	5817
48.0	5417	5401	5361	5353	5326	5333	5328	5347	5341	5352
51.0	4961	4947	4910	4904	4876	4886	4876	4895	4887	4895
54.0	4512	4503	4469	4463	4437	4445	4435	4450	4438	4444
57.0	4072	4065	4032	4029	4003	4010	4000	4015	4000	4008
60.0	3638	3632	3603	3600	3577	3584	3572	3583	3567	3571
63.0	3207	3206	3178	3177	3154	3163	3148	3159	3142	3147
66.0	2785	2778	2759	2755	2740	2740	2730	2735	2723	2721
69.0	2366	2364	2346	2346	2329	2332	2321	2325	2310	2308
72.0	1954	1956	1937	1941	1924	1930	1915	1921	1906	1904
75.0	1548	1553	1535	1542	1525	1532	1516	1522	1505	1508
78.0	1160	1165	1151	1156	1143	1147	1134	1136	1122	1121
81.0	784.6	790.1	779.1	785.4	775.1	778.2	766.0	769.6	756.1	754.3
84.0	435.2	440.4	432.0	437.7	430.2	434.4	423.1	427.9	416.0	414.3
87.0	172.9	178.1	172.6	177.2	173.9	177.8	171.0	173.7	165.0	164.1
90.0	73.26	74.28	72.73	73.33	73.48	73.47	72.07	72.17	69.90	68.22
93.0	63.35	62.53	60.38	61.08	60.28	62.70	63.18	61.55	59.53	58.63
96.0	56.25	52.43	46.19	45.03	51.74	58.25	59.74	56.39	48.46	43.77
99.0	44.86	43.62	43.56	45.78	50.05	53.89	54.43	52.70	47.66	43.76
102.0	46.72	46.61	46.45	46.80	48.87	49.56	49.39	49.15	47.44	45.57
105.0	49.91	49.73	49.56	49.50	49.49	49.44	49.30	49.06	48.80	48.56
108.0	53.25	53.03	52.81	52.77	52.58	52.41	52.29	52.00	51.89	51.76
111.0	56.67	56.42	56.24	56.26	55.92	55.73	55.57	55.30	55.18	55.10
114.0	60.12	59.88	59.67	59.71	59.51	59.35	59.24	58.82	58.74	58.40
117.0	63.56	63.32	63.00	63.11	62.90	62.83	62.77	62.26	62.02	61.61
120.0	67.00	66.74	66.39	66.44	66.25	66.22	66.13	65.66	65.29	64.94
123.0	70.45	70.16	69.76	69.80	69.57	69.50	69.41	68.90	68.57	68.38
126.0	73.77	73.54	73.14	73.07	72.94	72.78	72.66	72.23	71.87	71.55
129.0	77.21	76.92	76.50	76.32	76.30	76.14	76.01	75.55	75.20	74.83
132.0	80.63	80.30	79.86	79.68	79.49	79.43	79.43	78.94	78.37	78.18
135.0	84.01	83.62	83.20	83.02	82.73	82.67	82.60	82.06	81.62	81.51
138.0	87.29	86.99	86.48	86.37	85.94	85.84	85.75	85.29	84.88	84.75
141.0	90.41	90.19	89.71	89.50	89.08	88.96	88.92	88.39	88.00	87.92
144.0	93.39	93.18	92.74	92.42	92.00	91.91	91.85	91.41	90.93	90.85
147.0	96.12	95.86	95.53	95.22	94.77	94.69	94.59	94.22	93.70	93.71
150.0	98.65	98.42	97.96	97.86	97.36	97.25	97.14	96.81	96.27	96.32
153.0	101.0	100.8	100.2	100.3	99.97	99.68	99.49	99.26	98.83	98.76
156.0	103.3	103.1	102.4	102.6	102.3	102.2	102.0	101.7	101.3	101.0
159.0	105.5	105.2	104.5	104.6	104.5	104.4	104.2	103.9	103.5	103.1
162.0	107.4	107.1	106.4	106.5	106.1	106.3	106.1	105.8	105.2	105.0
165.0	109.2	108.8	108.2	108.2	107.8	107.9	107.6	107.3	106.9	106.9
168.0	110.6	110.4	109.7	109.8	109.4	109.5	108.9	108.8	108.4	108.6
171.0	111.7	111.4	110.8	111.0	110.6	110.5	109.9	109.8	109.6	109.8
174.0	112.5	112.3	111.8	112.0	111.4	111.1	110.5	110.5	110.5	110.7
177.0	112.7	112.6	112.2	112.4	111.9	111.5	110.9	110.9	110.8	110.9
180.0	112.7	112.6	112.2	112.3	111.5	111.2	110.6	110.7	110.5	110.6
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	11191	11173	11182	11140	11399	11361	11331	11296	11271	11245
3.0	11165	11153	11166	11149	11376	11336	11306	11271	11242	11215
6.0	11076	11071	11374	11333	11294	11249	11221	11185	11153	11117
9.0	10927	10921	11233	11182	11145	11100	11071	11027	10998	10957
12.0	10708	10705	11017	10964	10934	10882	10851	10805	10772	10727
15.0	10422	10426	10732	10682	10651	10598	10569	10514	10478	10424
18.0	10072	10080	10385	10331	10301	10244	10211	10157	10121	10063
21.0	9671	9680	9974	9921	9892	9834	9796	9741	9705	9648
24.0	9220	9234	9518	9465	9436	9375	9340	9277	9247	9190
27.0	8743	8756	9024	8972	8946	8883	8848	8791	8758	8705
30.0	8251	8259	8514	8466	8437	8371	8339	8284	8257	8208

H(B) Range:-90 - 90DEG

H(B) Interval: 0.5DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:HSO

Test Date:11 August 2023

V(B) Range:-180 - 180DEG

V(B) Interval: 0.5DEG

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

Humidity:65.0%

Test Distance:8.100m [K=1.0000]

Remarks: ELP-200-57K_DP

Photometric Data Table [cd]

33.0	7749	7756	7994	7945	7921	7856	7831	7773	7756	7706
36.0	7252	7258	7476	7428	7404	7347	7318	7268	7254	7212
39.0	6760	6762	6963	6920	6897	6841	6817	6771	6760	6720
42.0	6277	6277	6459	6417	6401	6348	6328	6284	6275	6243
45.0	5800	5802	5967	5928	5913	5864	5844	5804	5801	5769
48.0	5336	5335	5484	5449	5436	5392	5372	5336	5337	5309
51.0	4876	4874	5011	4977	4968	4928	4914	4878	4880	4856
54.0	4428	4424	4546	4514	4509	4471	4459	4430	4432	4411
57.0	3984	3983	4091	4060	4057	4024	4014	3986	3991	3971
60.0	3549	3547	3642	3614	3614	3583	3578	3552	3557	3537
63.0	3122	3122	3203	3177	3177	3149	3149	3125	3132	3113
66.0	2704	2696	2764	2747	2742	2724	2719	2703	2706	2694
69.0	2290	2283	2341	2322	2323	2306	2305	2289	2295	2283
72.0	1883	1879	1924	1905	1910	1893	1896	1882	1890	1876
75.0	1484	1481	1513	1494	1503	1487	1495	1479	1489	1474
78.0	1101	1096	1117	1103	1109	1098	1105	1094	1102	1092
81.0	734.8	729.3	737.2	726.9	733.9	723.6	733.3	724.3	732.1	723.3
84.0	397.8	394.3	393.0	386.4	391.5	384.0	391.1	383.5	390.2	384.5
87.0	153.9	152.4	144.5	140.8	145.0	140.9	146.8	141.6	144.6	140.5
90.0	67.15	67.16	57.42	57.30	57.34	57.81	59.96	60.04	60.46	60.10
93.0	57.11	59.26	50.19	50.35	50.41	50.63	51.47	52.01	52.55	51.52
96.0	46.81	51.49	43.85	42.96	39.77	34.82	39.92	46.67	48.72	45.25
99.0	42.50	43.07	34.04	32.78	31.29	31.93	37.04	41.75	42.64	40.48
102.0	45.36	45.34	34.27	34.04	33.84	33.73	33.74	35.62	36.75	34.75
105.0	48.43	48.35	37.10	36.84	36.63	36.50	36.39	36.40	36.36	36.31
108.0	51.60	51.53	40.13	39.83	39.63	39.46	39.32	39.30	39.27	39.24
111.0	54.89	54.79	43.31	42.95	42.73	42.68	42.39	42.38	42.37	42.35
114.0	58.23	58.12	46.56	46.17	45.99	46.01	45.69	45.59	45.59	45.57
117.0	61.51	61.47	49.93	49.49	49.27	49.28	49.18	49.09	49.23	49.07
120.0	64.83	64.80	53.36	52.87	52.61	52.58	52.51	52.52	52.66	52.47
123.0	68.12	68.08	56.83	56.29	56.01	55.95	55.85	55.94	56.05	55.85
126.0	71.43	71.35	60.33	59.76	59.49	59.42	59.26	59.32	59.39	59.23
129.0	74.75	74.69	64.02	63.37	63.08	62.80	62.89	62.89	62.92	62.78
132.0	78.03	78.03	67.80	67.05	66.67	66.40	66.47	66.56	66.61	66.40
135.0	81.32	81.32	71.56	70.72	70.34	70.09	69.94	70.20	70.28	69.97
138.0	84.68	84.63	75.33	74.48	74.11	73.78	73.57	73.68	73.75	73.42
141.0	87.88	87.80	79.08	78.19	77.89	77.46	77.24	77.23	77.29	76.94
144.0	90.81	90.74	82.77	81.83	81.59	81.01	80.90	80.86	80.86	80.48
147.0	93.55	93.45	86.16	85.27	85.17	84.45	84.34	84.38	84.29	83.89
150.0	96.06	96.05	89.48	88.63	88.52	87.90	87.66	87.65	87.58	87.14
153.0	98.38	98.43	92.76	91.90	91.62	91.19	91.00	90.81	90.71	90.29
156.0	100.7	100.7	95.94	95.10	94.76	94.40	94.32	94.17	94.00	93.59
159.0	102.9	102.9	99.10	98.23	97.80	97.35	97.52	97.24	97.10	96.69
162.0	104.9	104.8	102.1	101.2	100.8	100.2	100.2	100.2	100.0	99.57
165.0	106.8	106.6	104.9	104.0	103.7	102.9	102.7	102.6	102.5	102.0
168.0	108.4	108.3	107.3	106.6	106.4	105.4	105.1	104.8	104.6	104.2
171.0	109.6	109.4	109.5	108.8	108.5	107.7	107.3	106.7	106.5	106.2
174.0	110.4	110.1	111.1	110.5	110.5	109.6	109.3	108.5	108.3	108.0
177.0	110.6	110.2	112.5	111.8	111.9	111.1	110.8	110.0	109.9	109.4
180.0	110.1	109.9	113.2	112.3	112.6	111.9	111.8	111.0	110.9	110.5
G/C	300.0	315.0	330.0	345.0						
0.0	11224	11207	11191	11173						
3.0	11191	11170	11152	11134						
6.0	11090	11070	11056	11031						
9.0	10931	10904	10884	10860						
12.0	10701	10663	10649	10615						
15.0	10397	10361	10343	10305						
18.0	10037	9995	9976	9937						
21.0	9621	9581	9557	9515						
24.0	9163	9121	9100	9063						
27.0	8679	8640	8624	8583						
30.0	8191	8149	8133	8101						
33.0	7691	7658	7647	7613						
36.0	7200	7167	7159	7129						
39.0	6715	6684	6682	6654						
42.0	6238	6213	6210	6188						
45.0	5767	5744	5748	5730						
48.0	5305	5289	5294	5275						
51.0	4857	4840	4849	4834						
54.0	4412	4399	4410	4398						
57.0	3979	3965	3977	3966						
60.0	3547	3535	3550	3541						
63.0	3124	3113	3131	3123						
66.0	2700	2697	2709	2710						

H(B) Range:-90 - 90DEG
H(B) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:HSO
Test Date:11 August 2023

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:8.100m [K=1.0000]
Remarks: ELP-200-57K_DP

Photometric Data Table [cd]

69.0	2290	2286	2301	2300
72.0	1885	1882	1900	1898
75.0	1487	1482	1502	1501
78.0	1103	1102	1121	1122
81.0	735.9	733.9	753.6	756.1
84.0	395.4	395.1	412.7	415.3
87.0	147.0	146.0	156.8	158.6
90.0	59.75	58.34	59.70	60.96
93.0	50.45	50.36	50.46	51.10
96.0	36.92	33.49	41.04	43.77
99.0	34.91	31.03	30.83	32.07
102.0	33.54	33.44	33.35	33.34
105.0	36.22	36.23	36.14	36.14
108.0	39.18	39.22	39.13	39.11
111.0	42.27	42.43	42.25	42.23
114.0	45.61	45.75	45.47	45.47
117.0	49.04	49.06	48.76	48.75
120.0	52.35	52.36	52.09	52.10
123.0	55.69	55.71	55.48	55.51
126.0	59.12	59.01	58.91	58.93
129.0	62.68	62.50	62.45	62.45
132.0	66.15	66.06	65.99	66.04
135.0	69.66	69.71	69.59	69.64
138.0	73.30	73.35	73.24	73.20
141.0	76.90	76.90	76.90	76.80
144.0	80.46	80.40	80.45	80.33
147.0	83.84	83.85	83.81	83.71
150.0	87.09	87.06	86.96	86.95
153.0	90.36	90.22	89.95	90.01
156.0	93.50	93.29	92.92	93.05
159.0	96.46	96.04	95.80	95.89
162.0	99.13	98.78	98.57	98.62
165.0	101.7	101.3	101.2	101.1
168.0	104.1	103.7	103.5	103.4
171.0	106.2	105.8	105.5	105.4
174.0	108.1	107.8	107.5	107.2
177.0	109.6	109.4	109.1	108.8
180.0	110.7	110.5	110.2	109.8

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:HSO
Test Date:11 August 2023

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:8.100m [K=1.0000]
Remarks: ELP-200-57K_DP

50% Beam Angle : 92▲-H X 91▲-V

one-half-peak spread: U:45.6,D:45.8 , L:45.7,R:47.3

TOTAL FLUX : 26415 lm

LOR : 100.0%

AVAILABILITY FLUX : 25367 lm

AVAILABILITY : 96.0%

