

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	390.2 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	153.0V x 152.9H
	At 50% of Imax	98.1V x 99.1H
	At 90% of Imax	57.3V x 58.0H

Beam Flux	Total	1000.0 lumens per klm.
	To 10% of Imax	956.7 lumens per klm.
	To 50% of Imax	680.6 lumens per klm.
	To 90% of Imax	286.2 lumens per klm.

Upward LOR	1.8 %
Downward LOR	98.2 %

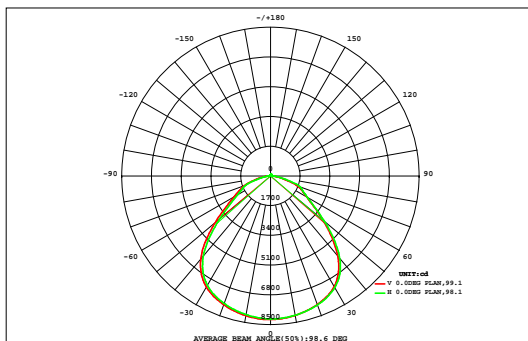
Luminaire Efficiency(Light Output Ratio)	100.0 %
--	---------

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:HSO
Test Date:07 June 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-150-57K-110D

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.1V I:0.6987A P:147.0W PF:0.9563 Lamp Flux:21033.4x1 lm		
NAME: ELP-150-57K-110D	TYPE:LED	WEIGHT:
SPEC.:ELP-150-57K-110D	DIM.:	SERIAL No.:
MFR.: ICEPIPE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:143.05lm/W	
MODEL	ELP-150-57K-110D	Imax(cd)	8208
NOMINAL POWER(W)	150	AVAILABILITY(%)	95.6
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	20117
NOMINAL FLUX(lm)	21033.4	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	21033
TEST VOLTAGE(V)	220	θ @50%(H,V)	99,98DEG

VERTICAL(DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.34	1.15	2.22	3.54	5.01	6.55	7.86	8.74	9.23	9.06	8.26	7.12	5.75	4.36	3.13	2.02	1.08	0.33	85.7	0.00
90	0.40	1.72	4.34	8.62	14.3	20.7	27.1	32.1	35.0	34.7	31.2	25.8	19.2	13.0	7.80	3.96	1.62	0.39	282	177
80	0.47	2.61	7.90	17.2	30.5	43.2	52.6	59.0	62.5	62.5	58.8	52.0	42.2	29.3	16.2	7.37	2.44	0.46	547	519
70	0.55	3.78	12.5	28.0	43.3	57.7	73.0	86.1	93.8	93.6	85.5	71.8	56.6	42.8	27.7	11.9	3.55	0.53	793	778
60	0.64	5.03	17.4	34.9	54.3	80.6	113	140	154	152	135	108	78.1	52.8	34.8	17.3	4.76	0.61	1183	1174
50	0.73	6.26	21.1	40.6	70.4	114	160	192	207	205	187	153	108	67.3	39.9	21.5	5.96	0.70	1600	1593
40	0.81	7.35	23.5	46.8	88.7	145	191	218	231	230	216	186	137	83.4	45.4	24.1	7.08	0.77	1881	1875
30	0.87	8.10	25.0	52.4	104	163	205	229	241	240	228	202	156	96.9	50.3	25.5	7.90	0.82	2035	2030
20	0.90	8.46	25.7	55.7	112	170	209	234	246	245	232	208	166	105	53.3	26.1	8.30	0.85	2107	2102
10	0.89	8.42	25.5	55.1	111	169	208	232	245	246	233	208	166	106	53.1	25.9	8.24	0.85	2101	2096
0	0.86	7.98	24.4	50.7	101	160	201	226	239	239	227	201	157	97.1	49.7	25.0	7.74	0.81	2016	2011
-10	0.80	7.16	22.7	44.5	85.4	141	187	214	227	227	214	185	136	81.7	44.2	23.3	6.82	0.76	1849	1843
-20	0.72	6.02	20.1	38.0	66.5	111	156	187	202	201	185	151	105	64.1	38.4	20.5	5.67	0.68	1558	1550
-30	0.63	4.78	16.2	31.8	50.2	76.6	108	134	148	146	130	102	72.6	49.7	33.0	15.9	4.49	0.60	1125	1114
-40	0.54	3.54	11.4	24.6	38.5	52.6	67.7	80.7	87.3	86.2	78.1	65.1	52.1	39.8	24.8	10.6	3.30	0.52	727	711
-50	0.46	2.43	7.04	15.0	25.9	36.7	45.7	52.3	55.3	55.0	51.7	45.5	36.7	25.1	13.9	6.52	2.26	0.45	478	444
-60	0.39	1.62	3.76	7.17	11.7	16.7	21.5	25.4	27.2	26.9	24.3	20.2	15.5	10.8	6.58	3.48	1.53	0.38	225	99.8
-70	0.33	1.10	1.97	2.94	4.01	5.00	5.87	6.52	6.76	6.67	6.26	5.55	4.71	3.82	2.83	1.90	1.06	0.33	67.6	0.00
-80	0.33	1.10	1.97	2.94	4.01	5.00	5.87	6.52	6.76	6.67	6.26	5.55	4.71	3.82	2.83	1.90	1.06	0.33	67.6	0.00
-90	0.33	1.10	1.97	2.94	4.01	5.00	5.87	6.52	6.76	6.67	6.26	5.55	4.71	3.82	2.83	1.90	1.06	0.33	67.6	0.00
-90 -80 -70 -60 -50 -40 -30 -20 HORIZONTAL(DEG) 20 30 40 50 60 70 80 90																				
Φ t	11.3	87.5	273	558	1015	1568	2038	2358	2517	2507	2331	1996	1515	973	545	273	83.8	10.8	20660	---
Φ a	0.00	45.9	240	526	985	1538	2008	2327	2486	2476	2300	1965	1484	942	513	239	41.3	0.00	---	20117

one-half-peak spread: U:48.7,D:47.8 , L:49.3,R:50.2

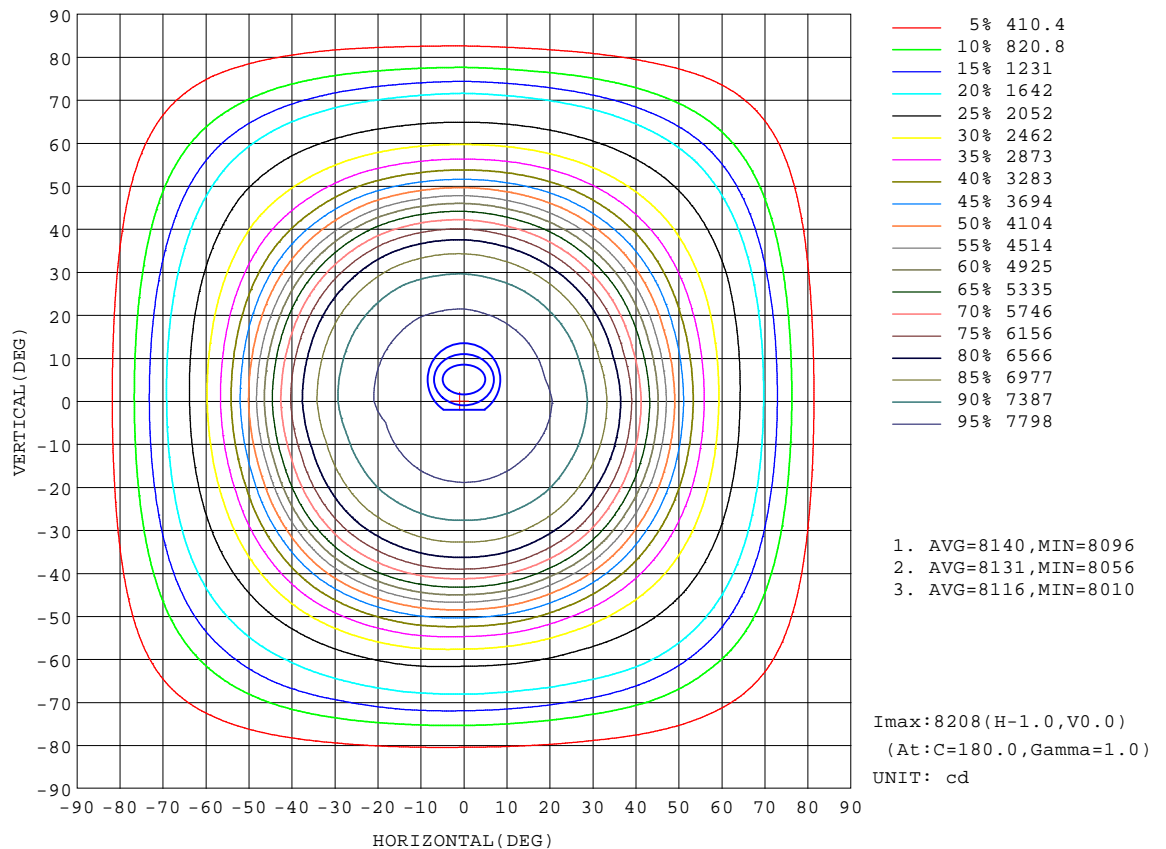
NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:HSO
Test Date:07 June 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-150-57K-110D

ISOCANDELA DIAGRAM

Test:U:220.1V I:0.6987A P:147.0W PF:0.9563 Lamp Flux:21033.4x1 lm		
NAME: ELP-150-57K-110D	TYPE:LED	WEIGHT:
SPEC.:ELP-150-57K-110D	DIM.:	SERIAL No.:
MFR.: ICEPIPE	SUR.:	Shielding Angle:

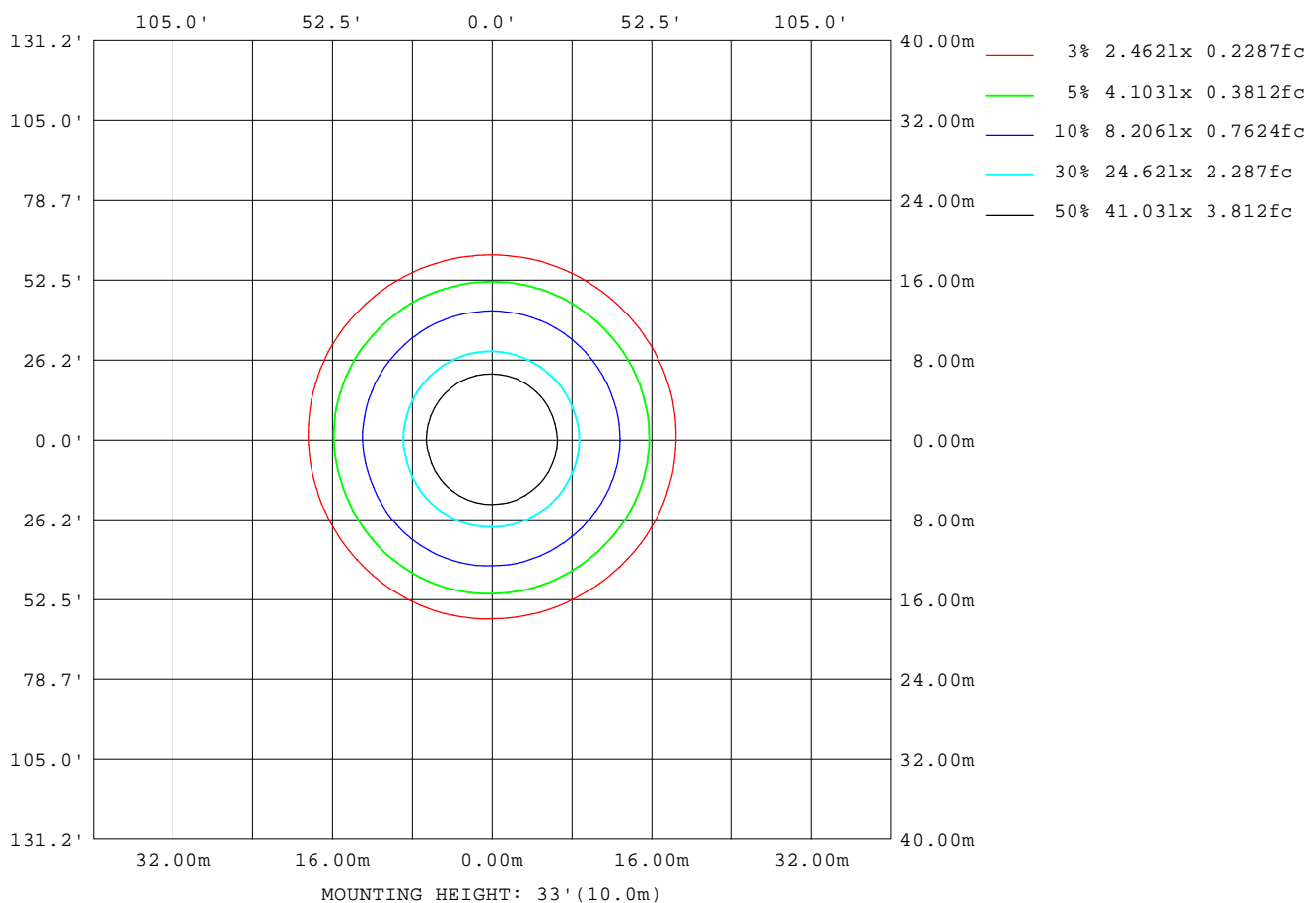


H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:HSO
Test Date:07 June 2023

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-150-57K-110D

ISOLUX DIAGRAM

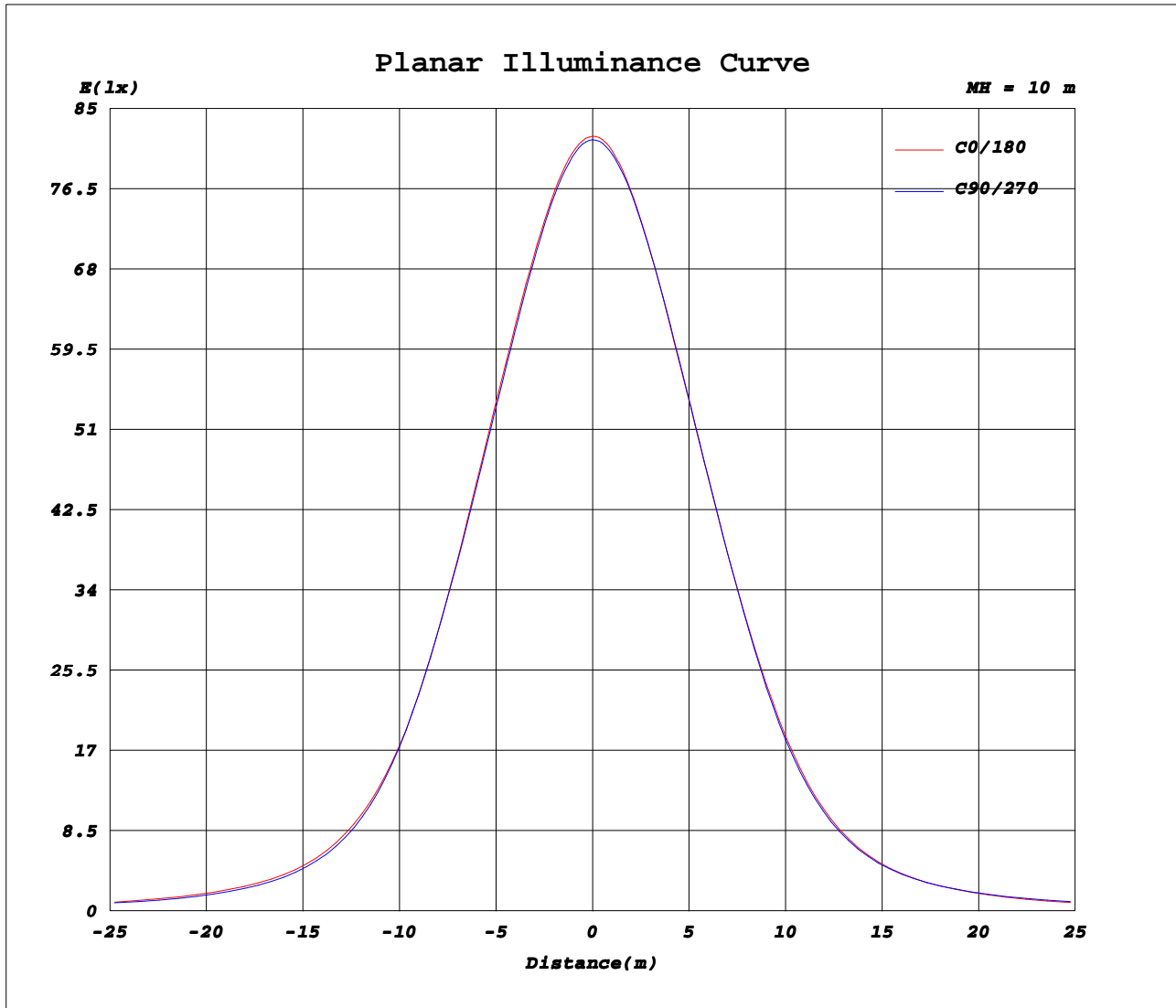
Test:U:220.1V I:0.6987A P:147.0W PF:0.9563 Lamp Flux:21033.4x1 lm		
NAME: ELP-150-57K-110D	TYPE:LED	WEIGHT:
SPEC.:ELP-150-57K-110D	DIM.:	SERIAL No.:
MFR.: ICEPIPE	SUR.:	Shielding Angle:



H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:HSO
Test Date:07 June 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-150-57K-110D

Planar Illuminance Curve

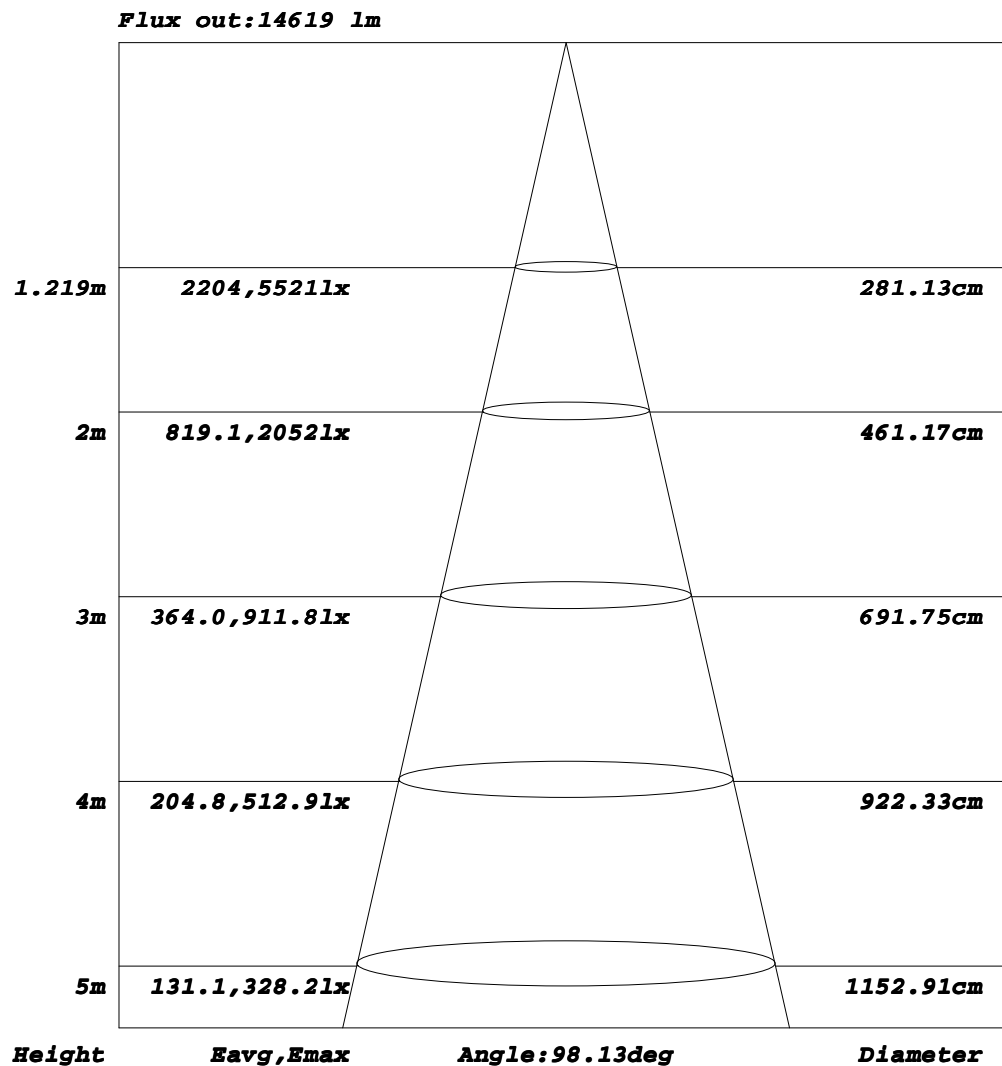


$H(\beta)$ Range: -90 - 90DEG
 $H(\beta)$ Interval: 0.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: HSO
Test Date: 07 June 2023

$V(B)$ 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-150-57K-110D

AAI Figure

Test:U:220.1V I:0.6987A P:147.0W PF:0.9563 Lamp Flux:21033.4x1 lm		
NAME: ELP-150-57K-110D	TYPE:LED	WEIGHT:
SPEC.:ELP-150-57K-110D	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: 07 June 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-150-57K-110D

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.1V I:0.6987A P:147.0W PF:0.9563 Lamp Flux:21033.4x1 lm		
NAME: ELP-150-57K-110D	TYPE:LED	WEIGHT:
SPEC.:ELP-150-57K-110D	DIM.:	SERIAL No.:
MFR.: ICEPIPE	SUR.:	Shielding Angle:

Table--1

UNIT: cd

H(DEC) V(DEC)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-180	115	63.6	40.1	34.4	36.2	40.4	43.5	48.2	53.0	57.7	63.2	67.9	71.3	75.6	80.5	85.0	89.3	93.1	93.3
-170	115	64.8	41.4	36.4	38.5	43.3	47.1	52.3	57.9	63.2	68.9	74.0	77.5	80.6	83.7	86.6	89.0	91.2	92.0
-160	115	67.6	42.7	38.4	40.4	45.4	49.6	55.1	60.5	64.3	68.4	72.1	75.1	77.8	79.9	82.0	83.8	85.5	85.9
-150	115	72.1	44.3	42.7	42.0	46.3	51.3	53.8	57.5	61.0	64.4	67.8	70.8	73.2	75.2	76.7	77.9	78.8	79.2
-140	115	78.0	46.5	46.3	43.6	46.0	48.7	51.0	53.4	56.7	59.5	62.3	64.8	66.8	68.6	70.0	71.1	71.9	72.3
-130	115	84.9	52.2	48.3	48.2	44.9	45.8	47.8	49.9	51.7	54.0	55.8	57.6	59.3	60.8	62.1	62.9	63.5	63.8
-120	115	91.4	66.3	51.2	50.5	48.6	44.9	44.9	45.9	46.9	48.1	49.6	51.2	52.4	53.1	53.9	54.6	55.0	55.2
-110	115	97.9	84.0	66.9	54.3	51.1	50.2	49.0	46.6	45.0	44.8	44.9	44.9	45.1	45.7	46.2	46.8	47.2	47.6
-100	115	105	99.3	93.5	84.1	73.9	64.6	57.5	53.2	51.4	50.8	50.4	50.2	50.0	49.8	49.6	49.2	48.8	48.5
-90	115	116	117	118	116	115	114	113	112	111	109	108	106	106	105	105	104	104	104
-80	115	129	146	165	183	204	225	252	281	310	334	356	380	401	419	432	440	443	441
-70	115	145	187	241	308	395	493	600	715	830	943	1057	1166	1267	1355	1418	1451	1467	1468
-60	115	163	238	353	507	690	889	1143	1372	1550	1676	1785	1888	1984	2076	2152	2197	2211	2201
-50	115	182	303	494	744	1047	1388	1647	1829	2021	2247	2496	2770	3050	3312	3530	3685	3767	3771
-40	115	201	370	644	987	1422	1738	1975	2269	2645	3136	3715	4306	4845	5298	5630	5852	5965	5988
-30	115	217	436	776	1261	1679	1972	2325	2808	3490	4302	5148	5852	6362	6714	6956	7115	7202	7230
-20	115	230	488	881	1421	1823	2180	2671	3395	4335	5334	6144	6722	7130	7393	7555	7673	7735	7752
-10	115	238	523	961	1524	1916	2350	2982	3890	4962	5937	6649	7145	7461	7671	7827	7952	8024	8050
0	115	241	536	993	1563	1954	2430	3136	4125	5244	6210	6888	7342	7631	7834	7994	8111	8191	8206
10	115	239	528	972	1544	1945	2394	3050	3971	5044	6024	6750	7238	7559	7765	7913	8016	8081	8090
20	115	232	497	900	1454	1880	2261	2795	3546	4481	5460	6271	6866	7261	7514	7674	7782	7832	7844
30	115	219	446	799	1296	1754	2075	2463	2981	3661	4457	5268	5971	6503	6885	7135	7269	7340	7354
40	115	203	382	675	1040	1508	1876	2132	2452	2829	3304	3854	4435	4995	5467	5794	6015	6134	6161
50	115	185	313	523	793	1138	1535	1850	2039	2219	2432	2670	2951	3241	3502	3720	3887	3993	4023
60	115	165	246	377	554	761	994	1308	1590	1799	1940	2021	2105	2194	2279	2343	2393	2422	2427
70	115	147	194	254	342	451	575	705	832	970	1126	1296	1453	1572	1647	1703	1746	1777	1796
80	115	131	149	173	202	234	272	305	346	390	432	472	509	537	562	580	593	600	601
90	115	116	117	118	120	123	125	126	127	129	128	128	128	126	125	123	123	123	123
100	115	105	98.0	91.8	85.4	78.3	70.1	61.7	54.2	47.5	44.3	42.1	41.8	41.5	41.2	41.0	40.9	40.8	40.7
110	115	97.3	83.4	65.4	48.2	41.6	40.5	39.7	38.4	36.6	34.0	33.7	33.8	34.0	34.4	34.8	35.1	35.4	35.7
120	115	90.9	65.5	43.3	40.4	38.9	35.0	33.5	34.2	34.8	35.4	36.9	38.0	38.9	40.1	41.0	41.7	42.2	42.4
130	115	84.6	49.4	40.5	38.3	33.9	34.4	36.0	37.8	39.8	42.6	44.1	45.8	47.4	48.9	50.1	51.0	51.6	51.8
140	115	77.8	42.4	39.4	34.2	34.8	37.0	39.5	41.9	45.1	48.0	51.0	53.6	55.6	57.3	58.9	60.1	60.9	61.2
150	115	72.0	40.9	37.7	34.5	36.5	39.9	42.6	46.3	49.9	53.4	57.2	60.5	63.1	65.3	67.0	68.4	69.4	69.8
160	115	67.5	40.4	35.0	35.2	38.4	41.4	45.3	49.8	53.8	58.3	62.8	66.1	69.2	71.7	74.3	76.6	78.5	79.3
170	115	64.7	40.2	34.5	35.8	39.8	42.9	47.3	52.0	56.5	61.8	66.1	69.4	73.3	77.4	81.2	84.4	86.8	87.9
180	115	63.6	40.1	34.4	36.2	40.4	43.5	48.2	53.0	57.7	63.2	67.9	71.3	75.6	80.5	85.0	89.3	93.1	93.4

H(β) Range:-90 - 90DEGH(β) Interval: 0.5DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:HSO

Test Date:07 June 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-150-57K-110D

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.1V I:0.6987A P:147.0W PF:0.9563 Lamp Flux:21033.4x1 lm		
NAME: ELP-150-57K-110D	TYPE:LED	WEIGHT:
SPEC.:ELP-150-57K-110D	DIM.:	SERIAL No.:
MFR.: ICEPIPE	SUR.:	Shielding Angle:

Table--2

UNIT: cd

H(DEC) V(DEC)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-180	94.2	92.4	89.4	86.1	82.4	78.9	75.7	72.1	68.0	63.9	59.4	55.0	51.9	47.5	45.2	50.0	68.1	118	
-170	91.6	89.6	87.0	84.4	81.3	78.4	75.4	71.4	67.3	63.3	58.9	54.6	51.5	47.3	45.2	50.1	68.9	118	
-160	85.7	84.2	82.5	80.6	78.6	76.2	73.3	69.1	65.3	61.6	57.3	53.4	50.3	46.7	45.3	50.3	71.3	118	
-150	78.8	78.1	77.3	75.9	74.1	71.8	68.6	65.3	62.0	58.5	54.8	51.9	48.4	45.8	47.7	50.7	75.4	118	
-140	72.1	71.5	70.6	69.4	67.7	65.6	63.1	60.5	57.7	54.5	51.8	49.3	46.6	45.3	49.4	51.5	81.1	118	
-130	63.7	63.3	62.6	61.6	60.3	58.6	56.8	54.8	52.7	50.7	48.6	46.4	45.3	48.1	50.2	55.5	88.3	118	
-120	55.2	54.9	54.5	53.8	53.1	52.2	50.7	49.0	47.7	46.5	45.5	45.2	48.5	50.0	51.6	66.9	95.4	118	
-110	47.4	47.2	46.8	46.3	45.7	45.4	45.2	45.0	45.0	46.7	49.2	50.0	50.5	53.2	65.2	84.6	102	118	
-100	48.8	49.1	49.4	49.6	49.8	50.0	50.2	50.4	50.8	52.1	56.0	63.1	72.0	82.4	92.4	101	108	118	
-90	104	104	104	104	105	105	107	108	110	111	111	112	113	114	115	116	117	118	
-80	438	429	415	397	373	350	327	305	284	258	235	213	194	175	157	141	130	118	
-70	1460	1435	1393	1321	1212	1087	978	871	767	663	556	453	360	287	226	180	143	118	
-60	2190	2156	2101	2027	1949	1887	1833	1749	1603	1364	1054	819	647	470	327	226	160	118	
-50	3722	3596	3400	3152	2882	2632	2405	2213	2044	1919	1721	1392	969	700	461	282	178	118	
-40	5936	5783	5499	5091	4595	4041	3484	2983	2579	2274	2030	1820	1438	926	606	344	196	118	
-30	7200	7111	6930	6651	6244	5657	4885	4067	3339	2751	2329	2027	1742	1210	735	407	211	118	
-20	7736	7667	7564	7397	7105	6646	5985	5116	4152	3300	2640	2200	1900	1442	839	459	222	118	
-10	8027	7959	7855	7699	7488	7141	6585	5760	4742	3729	2894	2337	1974	1564	914	494	230	118	
0	8172	8094	7974	7816	7607	7293	6770	5979	4964	3907	3003	2392	2001	1607	944	507	232	118	
10	8041	7965	7857	7703	7484	7119	6541	5716	4716	3743	2917	2361	1994	1584	926	499	230	118	
20	7807	7727	7610	7426	7138	6673	5976	5107	4179	3352	2691	2246	1942	1480	860	469	224	118	
30	7305	7197	7010	6712	6262	5662	4947	4179	3471	2855	2409	2095	1818	1278	761	420	213	118	
40	6067	5878	5594	5215	4743	4214	3682	3184	2736	2385	2117	1913	1526	995	637	359	198	118	
50	3967	3842	3660	3434	3175	2886	2613	2374	2172	2022	1858	1531	1083	751	493	293	180	118	
60	2416	2383	2326	2250	2161	2075	1996	1908	1786	1557	1257	937	717	520	353	234	162	118	
70	1780	1749	1700	1623	1511	1384	1221	1055	904	776	651	528	416	316	239	186	144	118	
80	591	574	552	525	494	460	422	380	337	304	273	240	213	187	164	144	130	118	
90	121	120	118	117	116	114	113	112	111	112	113	113	113	113	113	114	116	118	
100	40.8	40.9	41.1	41.0	40.9	41.0	41.1	41.6	42.5	46.6	51.9	58.8	68.1	77.3	86.3	97.2	107	118	
110	35.6	35.4	35.3	34.9	34.3	33.8	33.7	33.8	34.2	37.5	38.9	39.7	40.9	44.8	58.6	80.8	100	118	
120	42.4	42.1	41.5	40.8	39.8	38.9	37.8	36.5	35.7	34.8	33.4	34.1	38.4	40.0	43.6	63.0	93.6	118	
130	51.7	51.3	50.6	49.6	48.2	46.7	45.1	43.3	40.7	38.9	36.7	34.8	33.9	37.6	42.5	51.3	86.7	118	
140	61.0	60.4	59.4	58.0	56.2	54.0	51.5	48.9	46.0	42.8	40.4	37.8	35.3	35.5	42.7	47.5	79.8	118	
150	69.5	68.6	67.4	65.7	63.5	60.8	57.5	54.1	50.6	47.1	43.3	40.6	38.5	38.1	42.3	47.5	74.4	118	
160	78.8	76.9	74.7	72.0	69.1	65.9	62.4	58.3	54.3	50.3	47.0	44.8	43.5	41.4	41.6	48.1	70.6	118	
170	87.2	84.4	81.0	77.2	73.1	69.3	66.2	63.3	60.3	57.1	53.6	50.2	48.0	44.6	43.3	49.0	68.5	118	
180	94.2	92.4	89.4	86.1	82.4	78.9	75.7	72.1	68.0	63.9	59.4	55.0	51.9	47.5	45.2	50.0	68.1	118	

H(β) Range:-90 - 90DEGH(β) Interval: 0.5DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:HSO

Test Date:07 June 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-150-57K-110D

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	8206	8197	8190	8185	8179	8168	8169	8158	8151	8148
3.0	8191	8182	8172	8167	8160	8154	8156	8148	8144	8140
6.0	8161	8144	8138	8133	8122	8120	8119	8120	8116	8118
9.0	8112	8102	8092	8079	8076	8076	8069	8074	8069	8066
12.0	8051	8036	8020	8016	8005	8009	8007	8007	8005	8004
15.0	7974	7965	7941	7934	7921	7929	7923	7928	7926	7928
18.0	7883	7875	7858	7841	7833	7826	7829	7829	7831	7825
21.0	7782	7769	7746	7732	7723	7721	7710	7722	7722	7719
24.0	7657	7639	7620	7609	7595	7591	7592	7594	7591	7599
27.0	7503	7486	7460	7457	7442	7436	7428	7437	7440	7441
30.0	7293	7273	7247	7246	7235	7232	7230	7235	7238	7257
33.0	7007	6994	6966	6965	6953	6968	6954	6975	6979	7002
36.0	6637	6616	6583	6591	6586	6612	6608	6634	6649	6670
39.0	6161	6134	6101	6123	6124	6158	6161	6202	6229	6263
42.0	5593	5557	5515	5540	5536	5584	5599	5666	5706	5748
45.0	4964	4915	4838	4848	4840	4898	4924	5005	5064	5115
48.0	4319	4250	4159	4141	4129	4187	4215	4296	4360	4420
51.0	3712	3645	3541	3503	3492	3534	3557	3638	3693	3744
54.0	3167	3115	3019	2969	2936	2981	2989	3076	3108	3150
57.0	2724	2681	2613	2544	2515	2531	2540	2610	2636	2663
60.0	2392	2363	2313	2244	2200	2203	2201	2259	2276	2296
63.0	2136	2114	2071	2013	1953	1944	1936	1978	1989	2004
66.0	1939	1935	1907	1855	1778	1757	1750	1768	1768	1776
69.0	1718	1694	1656	1568	1555	1563	1590	1571	1571	1573
72.0	1367	1317	1254	1234	1204	1201	1226	1268	1257	1297
75.0	944.4	900.0	856.0	856.7	830.9	835.5	857.9	874.0	900.3	927.3
78.0	669.4	642.8	617.6	597.1	581.7	583.1	591.1	606.1	625.9	650.2
81.0	436.3	417.5	393.2	383.5	369.3	371.0	374.2	388.6	401.1	418.7
84.0	269.3	257.7	245.3	239.5	229.5	231.2	230.6	241.5	247.5	259.3
87.0	174.1	165.8	159.2	155.4	145.9	143.7	147.1	149.2	151.6	160.5
90.0	117.9	114.9	112.4	109.7	105.0	103.8	103.5	104.8	106.1	110.9
93.0	91.64	88.27	85.48	82.75	76.38	74.48	73.66	73.03	77.02	83.25
96.0	58.36	57.10	54.52	51.86	51.48	51.38	51.20	52.09	52.56	53.18
99.0	50.61	50.34	50.12	49.99	49.93	49.62	49.24	50.13	50.03	49.71
102.0	48.92	49.06	48.47	48.04	46.97	46.72	45.55	46.19	46.35	47.72
105.0	45.20	45.29	45.12	44.96	44.88	44.77	44.78	44.54	44.49	44.87
108.0	46.33	46.04	45.88	46.41	45.57	46.02	46.20	45.52	44.97	45.81
111.0	48.37	48.02	47.99	47.86	48.00	48.05	48.42	47.55	47.03	47.06
114.0	51.06	50.59	50.45	50.21	50.98	50.96	51.17	50.20	49.72	49.19
117.0	53.11	52.77	52.37	53.01	53.15	53.31	53.39	52.74	52.42	51.96
120.0	54.99	55.05	54.89	55.24	55.44	55.42	55.20	54.93	54.54	54.22
123.0	57.50	57.63	57.90	57.90	57.89	57.97	57.64	57.46	56.94	56.79
126.0	60.58	60.63	60.53	60.62	60.60	60.60	60.32	60.16	59.65	59.58
129.0	63.04	63.13	63.10	63.20	63.28	63.12	62.96	62.68	62.33	62.49
132.0	65.54	65.61	65.71	66.11	65.87	65.70	65.57	65.25	64.98	65.18
135.0	68.03	68.07	68.29	68.75	68.50	68.27	68.17	67.84	67.63	67.82
138.0	70.54	70.59	71.13	71.29	71.01	70.69	70.69	70.32	70.19	70.32
141.0	72.92	73.30	73.97	73.62	73.34	72.99	73.04	72.69	72.59	72.69
144.0	75.08	75.64	75.91	75.76	75.46	75.14	75.15	74.93	74.81	74.91
147.0	77.09	77.53	77.80	77.74	77.45	77.11	77.19	77.01	76.84	76.93
150.0	78.95	79.22	79.61	79.34	79.07	79.05	79.18	78.95	78.57	78.71
153.0	80.97	81.16	81.24	81.11	80.89	80.99	81.04	80.85	80.43	80.55
156.0	83.16	83.30	83.14	83.14	82.92	83.20	83.02	82.92	82.46	82.58
159.0	85.45	85.40	85.26	85.12	85.16	85.43	85.25	85.19	84.65	84.48
162.0	87.34	87.40	87.04	86.95	87.06	87.35	87.34	87.21	86.66	86.43
165.0	89.38	89.30	89.08	89.01	88.91	89.21	89.20	88.93	88.38	88.43
168.0	91.37	91.38	91.00	90.96	91.14	91.12	90.85	90.87	90.40	90.30
171.0	92.84	92.83	92.52	92.54	92.61	92.64	92.22	92.41	92.12	92.33
174.0	93.99	93.96	93.71	93.78	93.65	93.39	93.09	93.25	93.37	93.40
177.0	94.29	94.17	94.02	94.23	94.08	93.85	93.62	93.63	93.60	93.81
180.0	94.17	94.12	93.93	94.03	93.74	93.52	93.30	93.35	93.36	93.54
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	8148	8145	8206	8197	8190	8185	8179	8168	8169	8158
3.0	8137	8136	8202	8190	8189	8176	8174	8169	8165	8163
6.0	8110	8111	8174	8175	8160	8154	8155	8148	8138	8130
9.0	8061	8060	8133	8126	8122	8121	8119	8108	8103	8087
12.0	8004	7999	8068	8061	8066	8065	8059	8058	8051	8036
15.0	7924	7920	7994	7998	7992	7990	8001	7990	7981	7966
18.0	7827	7830	7903	7908	7911	7918	7917	7912	7908	7891
21.0	7718	7726	7794	7805	7816	7820	7826	7816	7811	7792
24.0	7599	7602	7674	7687	7701	7707	7714	7704	7697	7672
27.0	7444	7452	7528	7544	7559	7574	7581	7557	7547	7522
30.0	7258	7261	7342	7354	7378	7391	7401	7375	7354	7323

H(B) Range:-90 - 90DEG

H(B) Interval: 0.5DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:HSO

Test Date:07 June 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-150-57K-110D

Photometric Data Table [cd]

33.0	7000	7004	7095	7107	7134	7139	7163	7128	7107	7063
36.0	6664	6672	6768	6781	6810	6819	6839	6801	6771	6714
39.0	6251	6255	6363	6360	6386	6389	6415	6371	6333	6252
42.0	5734	5731	5859	5846	5862	5859	5874	5826	5778	5682
45.0	5101	5106	5244	5235	5233	5215	5237	5178	5136	5046
48.0	4400	4421	4571	4562	4555	4529	4552	4489	4462	4395
51.0	3735	3765	3915	3913	3906	3877	3887	3832	3807	3783
54.0	3146	3184	3314	3330	3335	3297	3303	3248	3235	3238
57.0	2673	2710	2814	2851	2862	2828	2826	2786	2770	2780
60.0	2316	2360	2430	2479	2505	2476	2468	2446	2427	2430
63.0	2033	2078	2122	2182	2222	2211	2201	2182	2178	2171
66.0	1807	1858	1878	1949	2014	2018	2000	1987	1993	1983
69.0	1591	1636	1656	1722	1806	1831	1839	1840	1857	1833
72.0	1294	1338	1357	1399	1480	1531	1566	1564	1588	1534
75.0	937.8	959.4	992.7	1018	1065	1096	1105	1108	1122	1072
78.0	657.2	685.4	701.5	734.1	756.4	784.8	790.5	780.4	780.9	757.0
81.0	432.6	451.3	462.0	484.4	510.6	527.5	535.4	526.0	522.8	500.2
84.0	264.7	280.8	287.6	296.0	315.2	323.9	330.0	320.6	317.7	302.4
87.0	165.0	174.5	175.9	185.2	198.6	205.4	207.9	201.4	200.5	189.3
90.0	113.8	117.5	114.8	118.4	124.7	128.6	128.1	123.1	122.8	118.2
93.0	85.97	89.76	86.27	88.48	91.67	93.51	92.98	90.18	90.09	85.33
96.0	56.26	58.17	51.26	54.65	57.74	59.26	59.86	57.58	55.76	52.02
99.0	50.45	50.87	40.55	40.81	41.04	41.33	41.52	41.45	41.63	41.62
102.0	48.55	49.29	38.80	39.07	39.27	38.96	39.34	39.02	38.61	39.19
105.0	44.63	44.89	34.42	34.20	33.62	34.05	34.32	34.42	34.58	34.56
108.0	45.34	45.61	35.06	34.51	33.69	34.16	33.80	34.40	34.92	34.86
111.0	47.22	47.27	36.86	36.09	35.39	34.69	35.24	35.17	36.05	35.44
114.0	49.87	50.11	39.47	38.63	37.79	36.44	37.22	36.84	38.02	37.23
117.0	51.33	51.75	41.57	40.79	39.79	39.75	38.92	39.43	40.23	39.83
120.0	53.82	54.00	43.53	42.95	42.24	43.22	41.90	42.12	42.42	42.58
123.0	56.98	56.57	46.16	45.60	45.35	45.18	44.90	45.19	45.29	45.60
126.0	59.46	59.75	49.37	48.77	48.18	48.03	47.74	48.10	48.22	48.48
129.0	62.07	62.07	52.13	51.50	50.94	51.22	50.64	50.71	50.92	51.10
132.0	64.71	64.63	54.85	54.23	53.85	54.09	53.46	53.54	53.75	53.91
135.0	67.55	67.19	57.72	57.08	57.00	56.96	56.31	56.36	56.59	56.73
138.0	70.25	69.92	60.95	60.44	60.40	59.75	59.22	59.17	59.37	59.47
141.0	72.66	72.46	63.71	63.71	63.29	62.52	61.96	61.90	62.13	62.16
144.0	74.82	74.72	66.93	66.26	65.77	65.23	64.61	64.56	64.75	64.81
147.0	76.87	76.62	69.34	68.49	68.18	67.78	67.18	67.18	67.30	67.29
150.0	78.83	78.40	71.32	70.45	70.65	70.06	69.53	69.71	69.85	69.81
153.0	80.53	80.38	73.77	73.10	73.03	72.43	72.02	72.27	72.48	72.42
156.0	82.53	82.50	76.53	76.02	75.57	75.23	74.83	74.99	75.20	75.25
159.0	84.58	84.64	79.52	78.97	78.46	78.19	77.76	78.17	78.40	78.43
162.0	86.56	86.61	82.20	81.82	81.25	80.87	80.74	81.00	81.14	81.35
165.0	88.50	88.43	85.01	84.46	84.09	83.59	83.41	83.51	83.91	83.74
168.0	90.49	90.40	87.67	87.20	86.82	86.29	85.91	85.93	86.08	86.20
171.0	92.21	92.23	90.09	90.05	89.59	89.10	88.78	88.66	88.64	88.91
174.0	93.62	93.36	92.34	91.90	91.66	91.53	91.08	90.71	90.54	90.63
177.0	93.76	93.55	93.72	93.32	93.43	93.18	92.67	92.28	92.19	92.16
180.0	93.30	93.18	94.31	93.97	94.06	93.93	93.83	93.49	93.40	93.30
G/C	300.0	315.0	330.0	345.0						
0.0	8151	8148	8148	8145						
3.0	8148	8141	8141	8130						
6.0	8120	8113	8111	8105						
9.0	8082	8071	8070	8061						
12.0	8027	8012	8005	7997						
15.0	7959	7942	7939	7931						
18.0	7881	7860	7855	7845						
21.0	7780	7764	7754	7740						
24.0	7656	7637	7633	7623						
27.0	7506	7488	7488	7465						
30.0	7304	7284	7272	7251						
33.0	7031	7002	6988	6957						
36.0	6665	6621	6603	6571						
39.0	6192	6128	6106	6080						
42.0	5617	5550	5531	5502						
45.0	4992	4921	4899	4867						
48.0	4353	4288	4265	4245						
51.0	3760	3708	3694	3675						
54.0	3237	3201	3189	3160						
57.0	2780	2761	2760	2738						
60.0	2426	2418	2431	2427						
63.0	2163	2160	2178	2180						
66.0	1982	1989	2004	2004						

H(B) Range:-90 - 90DEG

H(B) Interval: 0.5DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:HSO

Test Date:07 June 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-150-57K-110D

Photometric Data Table [cd]

69.0	1817	1813	1813	1785
72.0	1493	1472	1455	1409
75.0	1046	1024	1001	975.3
78.0	738.0	715.8	710.0	690.5
81.0	485.6	466.5	466.2	455.2
84.0	296.8	280.7	287.8	276.5
87.0	181.8	176.4	177.2	175.1
90.0	114.4	111.5	113.2	112.7
93.0	82.90	81.90	82.16	81.97
96.0	50.58	49.31	49.26	49.35
99.0	40.71	39.72	40.06	40.57
102.0	38.85	38.32	38.69	38.79
105.0	34.00	33.73	33.46	34.18
108.0	34.06	34.72	33.92	34.92
111.0	35.91	35.68	36.09	36.67
114.0	38.10	37.37	38.98	39.32
117.0	39.87	40.64	40.65	41.47
120.0	42.77	43.93	43.14	43.57
123.0	45.78	46.13	46.17	46.21
126.0	48.56	48.91	48.91	49.48
129.0	51.41	51.58	51.67	51.95
132.0	54.20	54.58	54.50	54.68
135.0	56.99	57.46	57.27	57.40
138.0	59.81	60.29	60.20	60.15
141.0	62.53	62.91	62.95	62.86
144.0	65.16	65.39	65.46	65.67
147.0	67.60	68.03	68.04	68.15
150.0	69.98	70.33	70.47	70.43
153.0	72.46	72.79	72.89	73.00
156.0	75.26	75.53	75.42	75.77
159.0	78.07	78.19	78.31	78.57
162.0	80.99	80.83	81.04	81.16
165.0	83.55	83.57	83.60	83.79
168.0	86.26	86.30	86.21	86.46
171.0	88.75	88.80	88.82	88.84
174.0	90.91	90.88	90.93	90.98
177.0	92.43	92.47	92.41	92.29
180.0	93.47	93.50	93.36	93.09

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:HSO
Test Date:07 June 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-150-57K-110D

50% Beam Angle : 99▲-H X 98▲-V

one-half-peak spread: U:48.7,D:47.8 , L:49.3,R:50.2

TOTAL FLUX : 21033 lm

LOR : 100.0%

AVAILABILITY FLUX : 20117 lm

AVAILABILITY : 95.6%

