

**Floodlight Summary:**

Report based on lamp delivering 1000 lumens.

Maximum Intensity	585.7 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	136.1V x 136.5H
	At 50% of Imax	74.0V x 75.1H
	At 90% of Imax	29.1V x 33.8H

Beam Flux	Total	1000.1 lumens per klm.
	To 10% of Imax	907.8 lumens per klm.
	To 50% of Imax	552.1 lumens per klm.
	To 90% of Imax	110.0 lumens per klm.

Upward LOR	2.0 %
Downward LOR	98.0 %

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

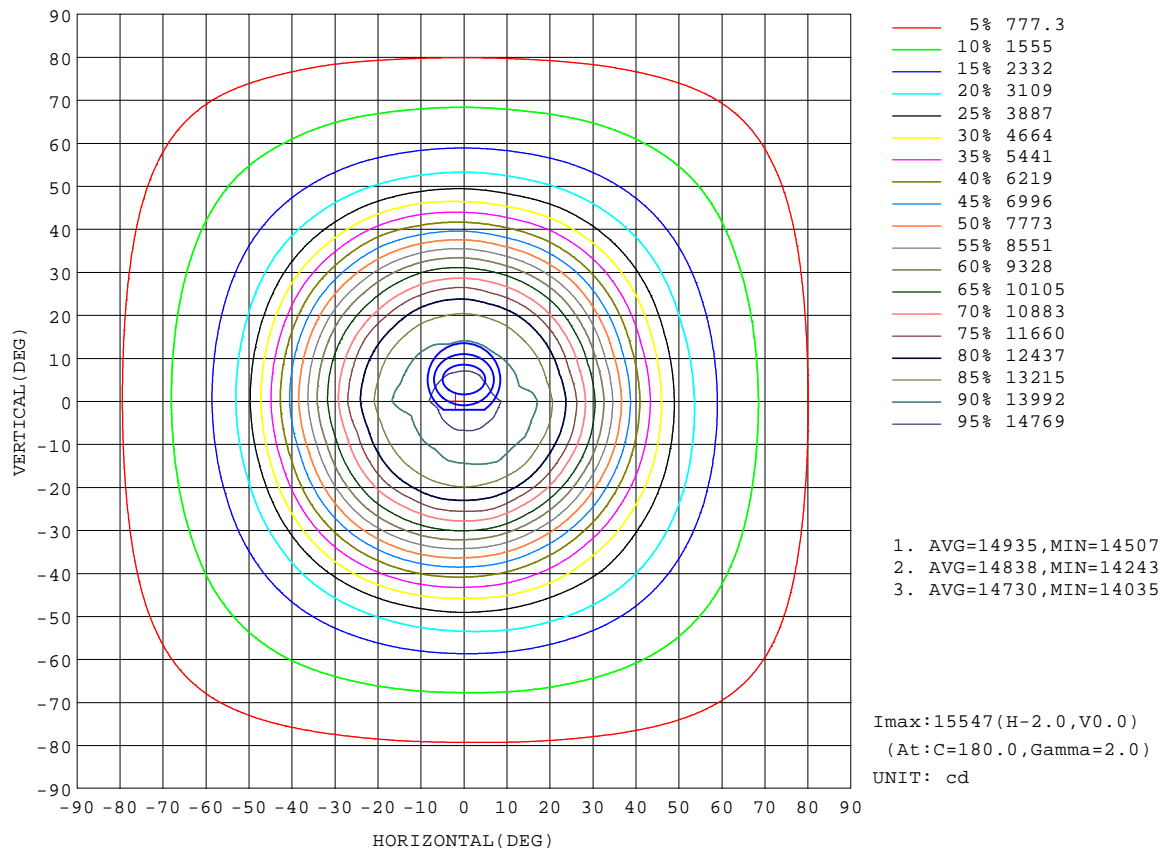
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**V(B) Range:-180 - 180DEG**  
**V(B) Interval: 0.5DEG**  
**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.351**  
**Humidity:65.0%**  
**Test Distance:8.100m [K=1.0000]**  
**Remarks: ELP-200-57K\_EXT REF**

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 EXT REF

## ISOCANDELA DIAGRAM

Test:U:220.0V I:0.9630A P:206.5W PF:0.9747 Lamp Flux:26545.3x1 lm		
NAME: ELP-200-57K_EXT REF	TYPE:LED	WEIGHT:
SPEC.:EXT REF	DIM.:	SERIAL No.:
MFR.: ICEPIPE	SUR.:	Shielding Angle:

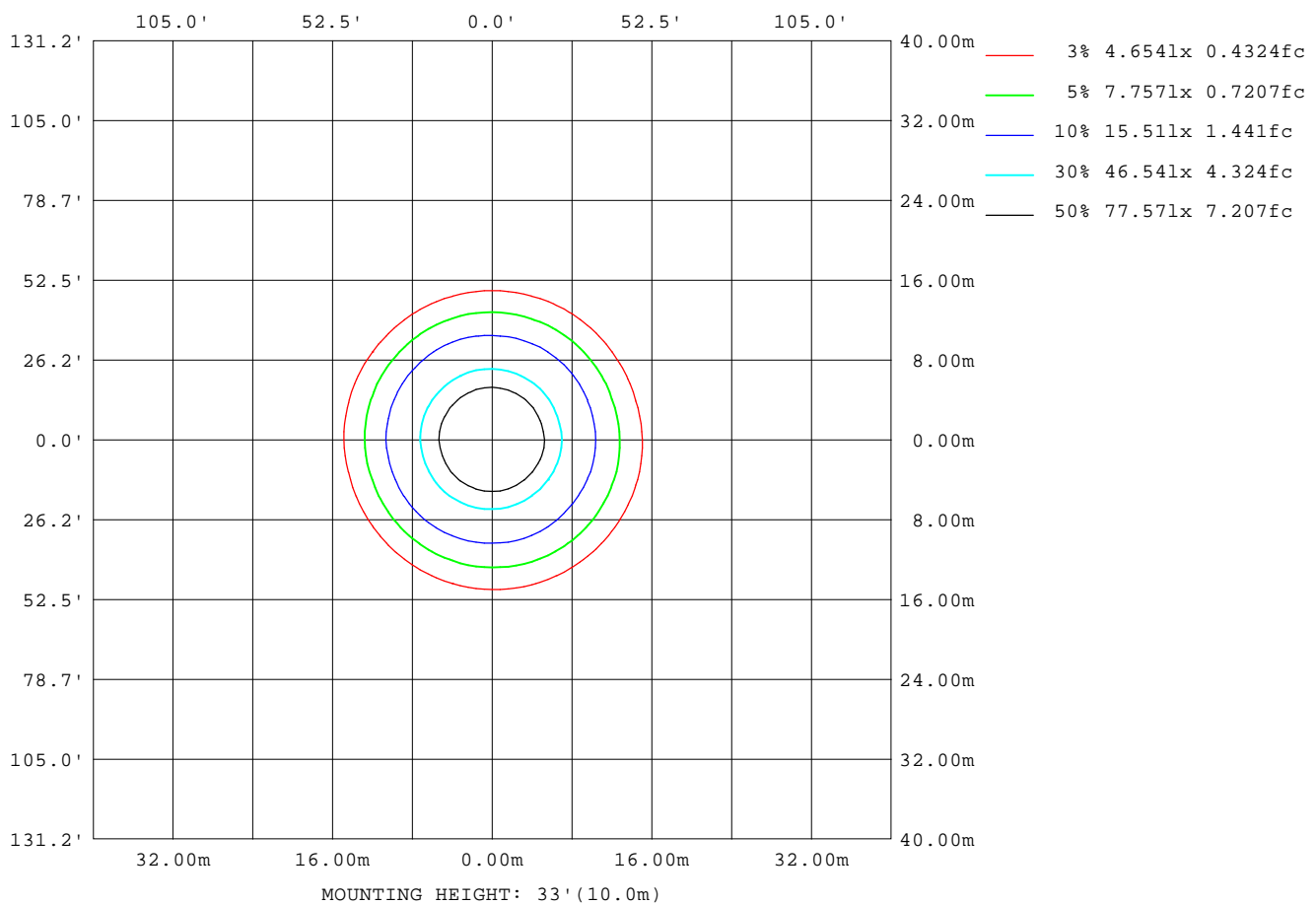


**H( $\beta$ ) Range:-90 - 90DEG**  
**H( $\beta$ ) Interval: 0.5DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:HSO**  
**Test Date:11 August 2023**

**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\_EXT REF**

## ISOLUX DIAGRAM

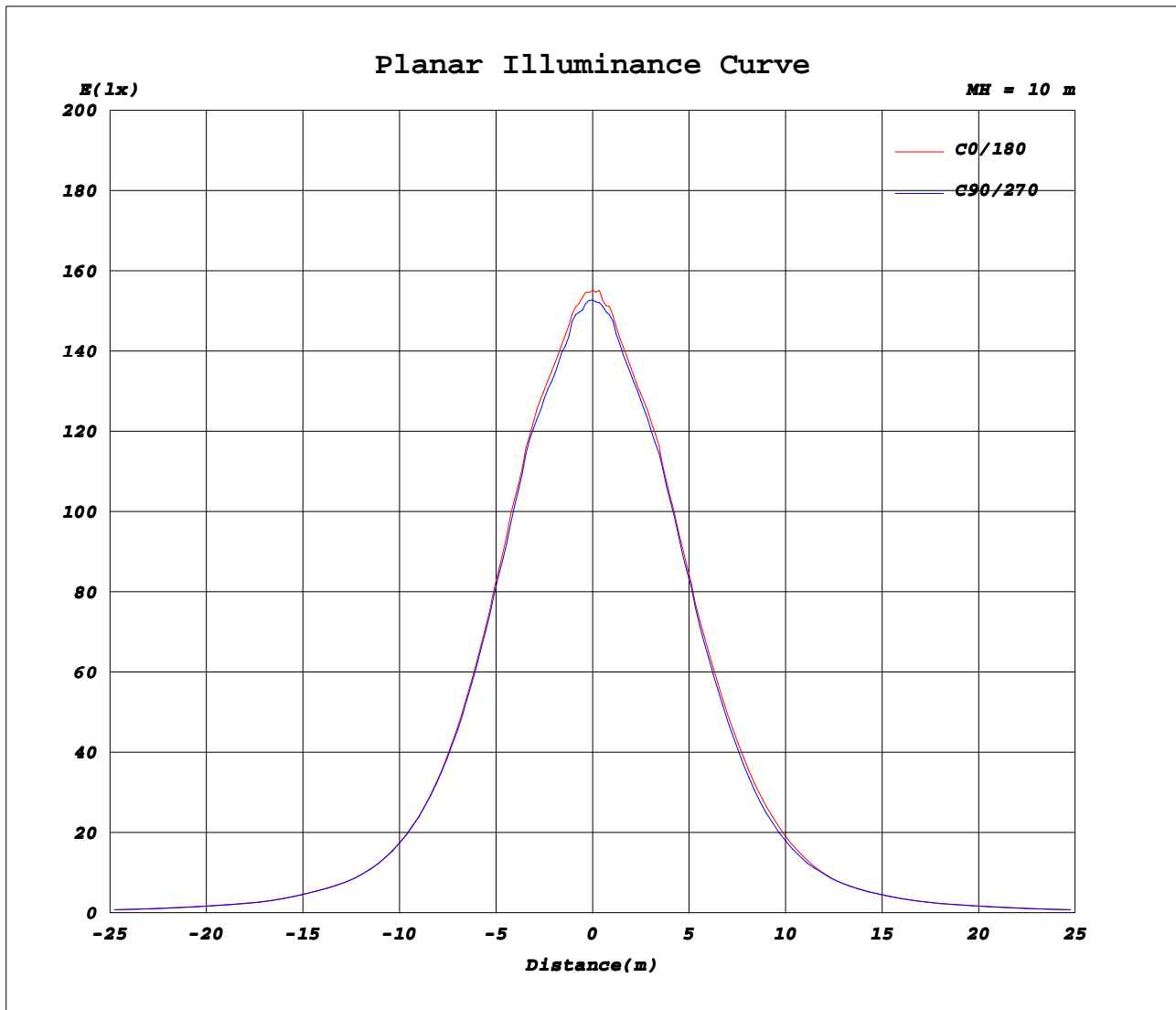
Test:U:220.0V I:0.9630A P:206.5W PF:0.9747 Lamp Flux:26545.3x1 lm		
NAME: ELP-200-57K_EXT REF	TYPE:LED	WEIGHT:
SPEC.:EXT REF	DIM.:	SERIAL No.:
MFR.: ICEPIPE	SUR.:	Shielding Angle:



**H( $\beta$ ) Range:-90 - 90DEG**  
**H( $\beta$ ) 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\_EXT REF**

## Planar Illuminance Curve

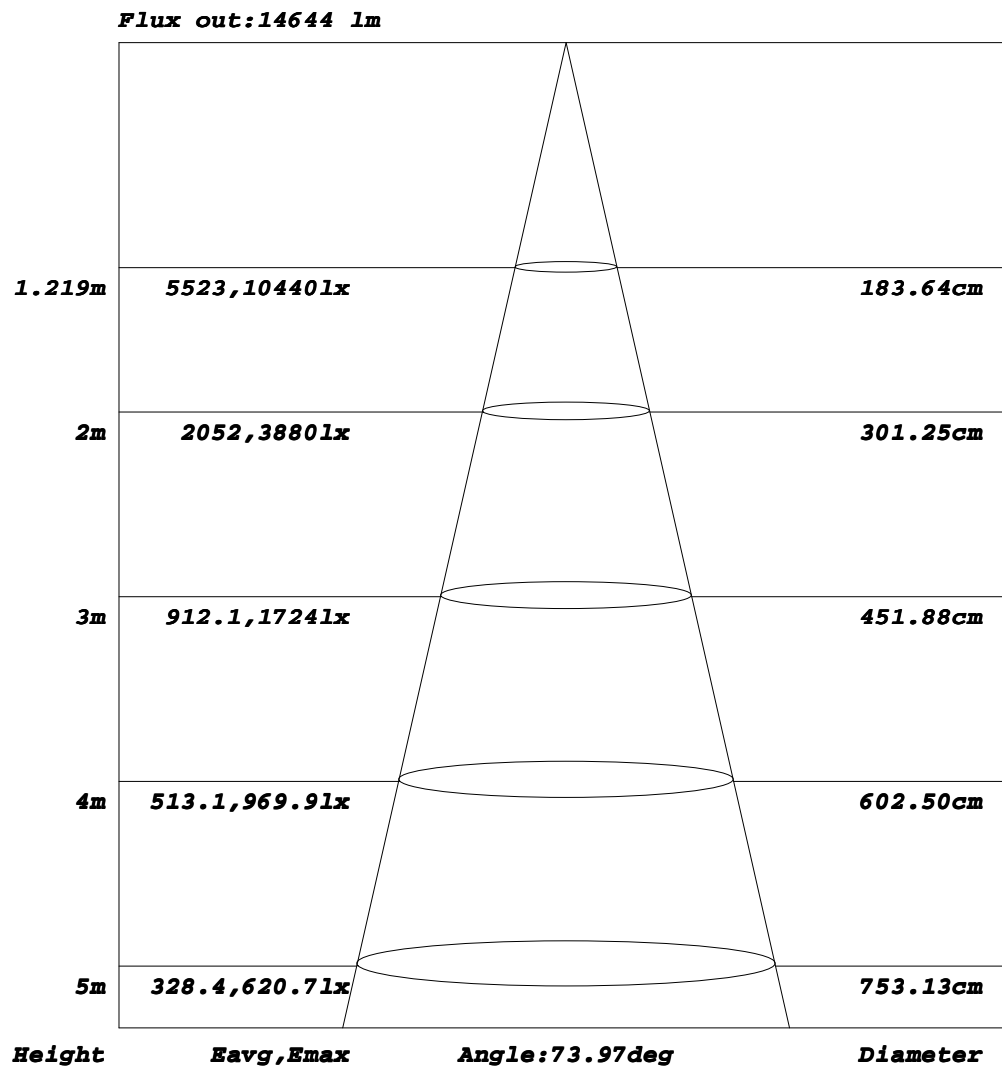


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:HSO  
Test Date:11 August 2023

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\_EXT REF

**AAI Figure**

Test:U:220.0V I:0.9630A P:206.5W PF:0.9747 Lamp Flux:26545.3x1 lm		
NAME: ELP-200-57K_EXT REF	TYPE:LED	WEIGHT:
SPEC.:EXT REF	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( $\beta$ ) Range:-90 - 90DEG**  
**H( $\beta$ ) 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\_EXT REF**

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.0V I:0.9630A P:206.5W PF:0.9747 Lamp Flux:26545.3x1 lm		
NAME: ELP-200-57K_EXT REF	TYPE:LED	WEIGHT:
SPEC.:EXT REF	DIM.:	SERIAL No.:
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	19.1	10.7	3.57	3.60	4.00	4.61	5.35	6.18	7.08	7.98	8.87	9.67	10.3	10.9	11.5	12.1	12.7	13.2	13.0
-170	19.1	10.8	3.77	3.86	4.35	5.06	5.91	6.82	7.78	8.74	9.67	10.5	11.1	11.5	11.9	12.2	12.5	12.8	12.9
-160	19.1	11.4	4.02	4.08	4.63	5.39	6.29	7.24	8.12	8.83	9.51	10.1	10.7	11.1	11.5	11.8	12.0	12.2	12.3
-150	19.1	12.3	4.57	4.29	4.82	5.58	6.37	6.96	7.58	8.21	8.81	9.40	9.94	10.3	10.7	10.9	11.2	11.3	11.4
-140	19.1	13.5	5.78	4.47	4.94	5.47	5.92	6.41	6.90	7.44	7.97	8.45	8.91	9.32	9.63	9.89	10.1	10.2	10.3
-130	19.1	15.1	7.73	4.64	5.01	5.15	5.43	5.78	6.20	6.58	6.95	7.41	7.86	8.21	8.51	8.74	8.92	9.04	9.11
-120	19.1	16.1	10.6	6.31	4.90	4.94	5.02	5.20	5.50	5.81	6.12	6.40	6.69	6.96	7.18	7.37	7.53	7.66	7.75
-110	19.1	16.9	14.6	10.4	7.01	5.12	4.83	4.91	5.02	5.12	5.30	5.47	5.63	5.78	5.92	6.04	6.14	6.22	6.29
-100	19.1	17.7	17.0	16.1	14.0	11.2	8.66	7.23	6.32	5.96	6.40	6.87	7.30	7.72	8.13	8.51	8.62	8.76	8.96
-90	19.1	19.2	19.3	19.5	19.5	19.6	19.7	19.8	19.9	20.0	19.9	19.9	19.8	20.0	20.1	20.2	20.3	20.3	20.3
-80	19.1	20.9	24.9	29.2	33.4	37.6	41.7	45.8	49.9	53.7	57.4	60.8	63.8	66.7	69.1	70.9	72.2	73.1	73.5
-70	19.1	24.7	33.5	42.4	51.7	61.9	71.6	81.0	89.7	97.6	105	112	118	124	129	133	136	137	138
-60	19.1	28.8	42.1	56.4	71.5	86.4	100	114	128	143	157	171	184	194	201	206	211	213	214
-50	19.1	32.5	50.3	70.2	89.2	108	128	149	172	194	209	235	265	291	314	333	350	362	366
-40	19.1	35.9	58.1	82.2	105	129	156	186	209	247	290	340	407	477	537	589	626	647	650
-30	19.1	38.7	64.8	92.0	118	148	183	211	260	315	407	522	635	745	839	917	970	1005	1016
-20	19.1	40.8	69.7	99.1	129	165	201	245	306	413	553	702	851	984	1101	1191	1266	1301	1319
-10	19.1	42.0	72.8	104	137	177	212	270	354	499	663	831	991	1143	1264	1354	1391	1419	1435
0	19.1	42.5	73.9	106	140	181	218	281	381	540	721	900	1067	1222	1340	1413	1454	1529	1551
10	19.1	42.1	73.0	104	138	178	214	274	361	509	682	860	1021	1169	1287	1379	1404	1424	1434
20	19.1	40.9	70.1	100	131	168	205	251	314	429	574	729	882	1007	1114	1210	1285	1313	1332
30	19.1	38.8	65.2	93.4	120	152	187	217	267	327	428	543	659	769	868	947	1004	1038	1042
40	19.1	36.0	58.5	83.9	107	132	161	192	215	254	296	350	424	498	568	617	653	676	682
50	19.1	32.5	50.8	71.5	92.1	111	132	154	178	199	215	239	268	293	317	339	358	371	375
60	19.1	28.7	42.6	57.3	73.7	89.4	103	118	132	146	161	176	189	200	206	211	216	219	220
70	19.1	24.5	33.6	43.2	53.2	64.0	74.6	84.2	92.5	100	108	116	122	128	133	136	139	141	142
80	19.1	20.7	24.5	28.9	34.2	39.2	44.1	48.3	52.5	56.7	61.0	65.0	68.6	71.1	73.0	74.5	75.8	76.5	76.8
90	19.1	19.1	19.1	19.1	19.5	19.9	20.2	20.2	20.2	20.2	20.4	20.5	20.7	20.5	20.4	20.2	20.3	20.4	20.5
100	19.1	17.6	16.6	15.6	14.2	11.7	9.05	7.01	5.49	4.58	5.14	5.67	6.11	6.39	6.60	6.85	6.84	6.91	7.10
110	19.1	16.7	14.3	10.2	6.33	3.86	3.34	3.29	3.29	3.32	3.40	3.50	3.60	3.71	3.81	3.91	3.96	4.00	4.03
120	19.1	16.0	10.5	5.54	3.49	3.39	3.40	3.52	3.71	3.99	4.31	4.54	4.81	5.05	5.26	5.43	5.57	5.67	5.74
130	19.1	14.9	7.40	3.59	3.49	3.54	3.75	4.05	4.48	4.90	5.32	5.72	6.09	6.41	6.70	6.94	7.11	7.22	7.26
140	19.1	13.4	5.38	3.50	3.56	3.81	4.20	4.69	5.17	5.72	6.30	6.78	7.29	7.74	8.03	8.33	8.55	8.67	8.73
150	19.1	12.2	4.16	3.52	3.70	4.09	4.63	5.24	5.88	6.55	7.22	7.87	8.47	8.96	9.36	9.67	9.92	10.1	10.1
160	19.1	11.4	3.71	3.54	3.84	4.35	5.00	5.71	6.47	7.27	8.04	8.81	9.52	10.0	10.4	10.9	11.2	11.4	11.4
170	19.1	10.8	3.61	3.58	3.95	4.53	5.25	6.04	6.90	7.76	8.62	9.43	10.0	10.6	11.1	11.6	12.1	12.4	12.4
180	19.1	10.7	3.57	3.60	4.00	4.61	5.35	6.18	7.08	7.98	8.87	9.67	10.3	10.9	11.5	12.1	12.7	13.2	13.1

**H( $\beta$ ) Range:-90 - 90DEG**  
**H( $\beta$ ) 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\_EXT REF**

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.0V I:0.9630A P:206.5W PF:0.9747 Lamp Flux:26545.3x1 lm		
NAME: ELP-200-57K_EXT REF	TYPE:LED	WEIGHT:
SPEC.:EXT REF	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	13.3	13.1	12.7	12.3	11.9	11.5	11.0	10.4	9.66	8.89	8.08	7.30	6.56	5.92	5.45	5.32	12.8	21.7	
-170	12.9	12.7	12.4	12.1	11.7	11.4	11.0	10.3	9.51	8.75	7.97	7.21	6.50	5.87	5.42	5.34	12.9	21.7	
-160	12.3	12.2	11.9	11.7	11.4	11.0	10.4	9.78	9.11	8.40	7.68	6.98	6.32	5.76	5.37	5.40	13.4	21.7	
-150	11.4	11.2	11.1	10.8	10.6	10.2	9.66	9.08	8.48	7.85	7.22	6.63	6.05	5.59	5.32	5.74	14.3	21.7	
-140	10.3	10.2	10.00	9.77	9.51	9.17	8.72	8.25	7.71	7.16	6.68	6.20	5.73	5.41	5.30	6.77	15.6	21.7	
-130	9.08	9.00	8.87	8.68	8.41	8.09	7.74	7.34	6.92	6.52	6.09	5.70	5.43	5.29	5.29	8.83	17.2	21.7	
-120	7.71	7.64	7.52	7.36	7.16	6.93	6.68	6.39	6.10	5.76	5.49	5.32	5.26	5.25	6.67	12.1	18.3	21.7	
-110	6.27	6.24	6.19	6.08	5.96	5.81	5.68	5.53	5.37	5.32	5.28	5.23	5.43	7.22	11.4	16.3	19.2	21.7	
-100	8.94	8.99	9.07	8.78	8.48	8.17	7.75	7.29	6.82	6.83	7.49	8.94	12.4	15.5	17.7	19.1	20.1	21.7	
-90	20.4	20.5	20.7	20.8	21.0	21.1	21.3	21.6	21.8	21.8	21.7	21.7	21.8	21.8	21.8	21.8	21.7	21.7	
-80	73.6	73.2	72.3	70.8	68.9	66.5	63.7	60.7	57.3	53.4	49.4	45.2	41.0	36.6	32.1	27.6	23.6	21.7	
-70	138	137	135	131	127	122	116	109	101	93.6	85.5	76.3	66.3	56.0	46.2	36.7	27.4	21.7	
-60	214	212	209	204	197	187	174	161	146	133	119	105	92.0	76.9	60.8	45.7	31.6	21.7	
-50	364	354	340	325	307	281	245	214	199	177	155	134	115	95.4	75.3	54.3	35.6	21.7	
-40	639	612	568	515	459	402	350	311	264	215	193	163	135	111	87.7	62.2	39.2	21.7	
-30	1000	953	884	793	689	583	484	395	333	281	218	191	155	125	97.0	69.0	42.0	21.7	
-20	1305	1273	1187	1077	945	795	646	514	402	325	262	207	172	135	104	74.1	44.1	21.7	
-10	1430	1420	1383	1275	1139	966	785	611	468	353	287	216	182	141	108	77.2	45.4	21.7	
0	1529	1459	1423	1335	1200	1031	841	655	493	366	293	220	185	144	110	78.3	45.8	21.7	
10	1420	1392	1365	1263	1130	955	778	609	464	347	281	215	180	140	108	77.0	45.3	21.7	
20	1307	1271	1194	1091	962	813	659	518	396	311	252	204	169	133	103	73.7	43.9	21.7	
30	1024	982	917	829	724	610	498	398	320	269	214	187	152	122	95.6	68.5	41.8	21.7	
40	664	632	588	537	471	402	339	295	254	212	190	160	132	108	85.8	61.5	38.9	21.7	
50	366	349	332	313	293	270	239	213	197	177	153	131	112	92.7	73.8	53.4	35.2	21.7	
60	219	215	209	204	198	188	175	161	146	132	118	104	90.1	75.2	59.4	44.8	31.1	21.7	
70	141	139	136	132	127	122	116	109	101	93.2	84.8	75.4	65.5	54.5	44.8	35.8	26.8	21.7	
80	76.4	75.6	74.2	72.6	70.5	67.8	64.4	60.6	56.3	52.4	48.3	44.2	39.8	35.2	30.4	26.3	23.0	21.7	
90	20.4	20.3	20.3	20.3	20.3	20.2	20.1	20.0	19.8	19.9	20.0	20.1	20.1	20.0	19.9	20.5	21.1	21.7	
100	6.72	6.46	6.30	6.02	5.72	5.36	5.07	4.67	4.36	5.66	7.42	9.73	12.1	14.6	16.4	17.9	19.5	21.7	
110	4.00	3.96	3.90	3.81	3.71	3.61	3.53	3.45	3.39	3.38	3.41	3.47	4.08	6.75	11.0	15.7	18.6	21.7	
120	5.67	5.57	5.44	5.26	5.05	4.84	4.58	4.34	4.07	3.79	3.63	3.53	3.50	3.58	5.96	11.8	17.9	21.7	
130	7.21	7.11	6.94	6.71	6.43	6.12	5.77	5.36	4.93	4.50	4.13	3.85	3.65	3.58	4.05	8.53	16.9	21.7	
140	8.66	8.53	8.33	8.05	7.70	7.29	6.81	6.31	5.76	5.22	4.74	4.29	3.91	3.87	4.17	6.39	15.4	21.7	
150	10.1	9.89	9.66	9.34	8.96	8.47	7.87	7.23	6.58	5.93	5.31	4.73	4.43	4.37	4.46	5.29	14.2	21.7	
160	11.3	11.1	10.7	10.3	9.92	9.41	8.75	8.02	7.28	6.51	5.97	5.55	5.19	4.90	4.77	5.04	13.4	21.7	
170	12.3	11.9	11.5	11.0	10.5	9.94	9.41	8.91	8.34	7.73	7.09	6.48	5.92	5.43	5.12	5.15	12.9	21.7	
180	13.3	13.1	12.7	12.3	11.9	11.5	11.0	10.4	9.66	8.89	8.08	7.30	6.56	5.92	5.45	5.32	12.8	21.7	

**H( $\beta$ ) Range:-90 - 90DEG**  
**H( $\beta$ ) 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\_EXT REF**



## 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	15514	15457	15417	15362	15335	15308	15273	15256	15224	15220
3.0	15405	15372	15296	15265	15172	15134	15088	15043	15083	15075
6.0	15174	15154	15136	15049	15002	15021	14995	14986	14885	14914
9.0	14714	14653	14609	14576	14548	14491	14514	14438	14441	14384
12.0	14410	14385	14351	14285	14226	14267	14143	14160	14083	14092
15.0	14226	14154	14138	14095	14091	14008	13923	13909	13912	13797
18.0	13848	13869	13841	13785	13744	13689	13739	13655	13616	13573
21.0	13120	13106	12992	13040	13019	12976	12932	12917	12887	12942
24.0	12323	12266	12127	12115	12137	12136	12067	12128	12106	12178
27.0	11424	11378	11207	11165	11090	11244	11207	11244	11260	11393
30.0	10306	10270	10130	10055	10043	10154	10157	10216	10294	10407
33.0	9180	9096	8948	8900	8921	9005	9052	9170	9261	9378
36.0	8026	7926	7774	7726	7769	7874	7927	8058	8175	8298
39.0	6911	6803	6635	6630	6679	6798	6828	6941	7064	7192
42.0	5853	5795	5673	5602	5696	5823	5843	5934	6024	6118
45.0	4926	4903	4790	4783	4875	4911	4957	4991	5065	5129
48.0	4137	4127	4049	4114	4125	4160	4103	4142	4168	4208
51.0	3467	3482	3470	3526	3497	3491	3477	3439	3433	3426
54.0	3062	3111	3118	3130	3112	3101	3045	3005	2963	2926
57.0	2658	2694	2675	2681	2649	2651	2606	2593	2548	2525
60.0	2202	2197	2177	2169	2160	2157	2142	2139	2129	2128
63.0	2012	2010	1993	1983	1976	1971	1955	1951	1945	1939
66.0	1766	1766	1742	1731	1723	1722	1701	1701	1695	1697
69.0	1514	1513	1491	1484	1473	1474	1456	1455	1449	1451
72.0	1296	1295	1281	1274	1263	1261	1245	1239	1234	1235
75.0	1099	1101	1085	1076	1066	1066	1047	1044	1038	1039
78.0	909.7	916.1	899.7	886.7	884.0	880.4	859.2	862.3	853.7	854.5
81.0	714.6	713.5	705.6	700.6	688.4	679.6	668.4	668.6	661.1	662.6
84.0	558.1	515.6	511.7	507.4	493.7	488.3	478.0	480.8	473.8	473.3
87.0	344.4	343.3	340.7	339.9	326.5	321.8	315.4	317.3	311.1	313.1
90.0	216.9	218.4	217.2	217.9	211.3	206.5	203.0	202.3	198.5	199.5
93.0	179.5	170.5	157.2	157.1	154.0	168.3	172.1	163.4	145.5	141.2
96.0	102.9	89.99	69.09	72.22	97.42	120.8	127.2	113.7	86.62	64.90
99.0	55.19	52.69	52.50	61.58	80.30	95.93	98.66	90.01	71.86	54.58
102.0	53.29	53.02	52.03	54.42	65.67	73.99	74.11	70.05	61.17	51.27
105.0	54.52	53.82	53.43	54.43	58.00	62.12	62.84	60.38	56.17	51.97
108.0	57.11	56.44	56.01	57.55	58.99	61.24	61.91	59.63	57.19	55.39
111.0	60.38	59.83	60.03	61.95	62.48	63.75	64.02	62.32	61.08	59.10
114.0	64.28	63.85	64.41	65.93	67.30	68.35	69.43	67.03	65.57	62.60
117.0	68.50	68.34	67.89	70.39	71.49	73.00	73.72	71.29	69.43	66.30
120.0	73.02	72.66	72.35	74.53	75.88	76.90	77.49	75.54	73.87	70.32
123.0	77.64	77.34	77.07	78.97	80.28	81.08	81.66	79.81	78.27	76.28
126.0	82.41	82.14	81.93	83.31	84.84	85.34	85.64	84.27	82.87	80.39
129.0	87.27	86.97	86.75	87.49	89.43	89.58	89.72	88.70	87.38	84.85
132.0	92.07	91.76	91.43	92.11	93.34	93.80	93.78	93.14	90.89	89.49
135.0	96.56	96.35	96.08	96.70	96.38	97.30	97.13	96.49	94.88	94.25
138.0	100.9	101.2	100.8	101.0	100.2	100.5	100.5	99.61	98.98	98.68
141.0	104.9	105.8	105.4	104.9	104.0	104.0	104.0	103.3	102.8	102.6
144.0	108.6	109.9	109.5	108.4	107.6	107.5	107.5	106.9	106.2	106.2
147.0	111.9	112.3	112.8	111.4	111.0	110.8	110.7	110.3	109.6	109.9
150.0	114.8	114.7	115.1	114.7	113.7	114.0	113.9	113.5	112.5	112.8
153.0	117.3	117.2	116.9	117.5	117.3	116.5	116.2	116.0	115.7	115.7
156.0	119.9	119.9	119.4	120.2	119.9	120.0	119.7	119.3	118.6	118.1
159.0	122.3	122.2	121.6	121.8	122.5	122.5	122.0	121.7	121.3	119.7
162.0	124.6	124.3	123.6	123.7	124.0	124.3	124.3	123.6	122.4	122.0
165.0	126.9	126.6	125.9	125.9	125.7	125.8	125.6	125.1	124.4	124.4
168.0	129.4	129.1	128.5	128.4	128.2	128.5	127.8	127.7	127.4	127.2
171.0	131.3	130.8	130.0	130.3	129.7	129.6	128.9	129.0	129.0	129.2
174.0	132.3	132.3	131.6	131.6	131.0	130.5	129.9	130.1	130.3	130.7
177.0	132.6	132.4	131.9	132.2	131.7	131.2	130.6	130.6	130.6	130.8
180.0	132.6	132.5	132.0	132.1	131.3	130.9	130.3	130.4	130.4	130.5
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	15192	15177	15514	15457	15417	15362	15335	15308	15273	15256
3.0	15004	14993	15339	15271	15241	15235	15242	15186	15182	15168
6.0	14837	14851	15153	15114	15161	15042	15023	15018	15000	14958
9.0	14361	14310	14646	14610	14560	14503	14501	14477	14444	14414
12.0	14065	14028	14318	14321	14269	14231	14158	14152	14145	14133
15.0	13764	13842	14129	14013	14006	14007	13981	13917	13922	13862
18.0	13526	13562	13883	13797	13791	13770	13754	13633	13606	13675
21.0	12872	12930	13198	13102	13102	13068	13091	13027	13035	12958
24.0	12159	12135	12463	12414	12367	12283	12394	12392	12359	12196
27.0	11389	11373	11674	11638	11660	11556	11544	11540	11523	11394
30.0	10391	10400	10670	10691	10652	10538	10509	10539	10418	10326

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\_EXT REF

**Photometric Data Table [cd]**

33.0	9399	9414	9702	9726	9691	9563	9543	9511	9429	9273
36.0	8354	8369	8662	8685	8669	8538	8523	8434	8339	8157
39.0	7257	7293	7551	7559	7556	7416	7402	7273	7194	7018
42.0	6202	6225	6477	6426	6432	6356	6360	6175	6075	5954
45.0	5183	5215	5397	5390	5402	5316	5312	5212	5098	4985
48.0	4189	4246	4428	4395	4411	4353	4383	4311	4185	4164
51.0	3402	3423	3532	3533	3555	3528	3544	3514	3507	3417
54.0	2884	2875	2963	2963	2981	2961	2989	2990	2999	2982
57.0	2496	2495	2551	2564	2570	2566	2582	2590	2595	2591
60.0	2123	2124	2178	2176	2195	2191	2206	2199	2203	2190
63.0	1935	1931	1979	1982	1993	1986	2002	1992	1993	1982
66.0	1688	1684	1728	1732	1742	1733	1755	1750	1750	1738
69.0	1443	1441	1479	1492	1492	1483	1503	1495	1500	1486
72.0	1228	1223	1255	1257	1267	1260	1278	1273	1274	1266
75.0	1034	1030	1057	1058	1067	1063	1078	1077	1076	1070
78.0	853.9	850.4	871.7	878.5	886.8	883.4	895.4	894.9	890.3	889.8
81.0	661.3	663.4	675.0	677.5	692.5	694.8	710.3	702.4	703.8	700.0
84.0	473.9	474.4	482.2	484.5	498.9	500.5	508.5	501.2	505.5	500.0
87.0	310.6	313.4	313.6	313.1	330.1	332.3	337.0	332.2	337.3	332.5
90.0	197.1	194.5	190.9	191.5	202.4	202.3	206.6	202.3	204.8	202.7
93.0	137.2	156.1	155.8	151.1	156.3	162.2	162.7	166.4	174.8	166.9
96.0	69.15	85.21	83.07	79.37	66.07	57.12	87.32	116.6	127.5	110.3
99.0	48.39	49.35	38.72	36.33	33.57	34.63	58.42	78.10	84.84	72.74
102.0	48.52	50.05	35.26	34.82	32.88	32.77	35.09	41.26	47.21	37.73
105.0	50.42	51.06	36.03	35.37	34.03	33.64	34.85	37.27	38.03	36.60
108.0	53.23	53.86	38.12	37.40	36.41	36.05	36.64	38.23	38.87	38.03
111.0	56.88	57.25	41.02	40.32	39.58	40.70	39.62	40.69	41.26	40.69
114.0	61.27	61.30	44.70	44.01	43.99	45.39	44.79	44.97	45.58	45.26
117.0	65.22	65.68	48.93	48.26	48.19	49.81	50.55	51.13	52.61	51.51
120.0	69.72	70.01	53.54	52.89	52.36	54.27	55.34	56.11	57.35	56.20
123.0	74.46	74.63	58.43	57.62	57.20	59.02	60.04	60.89	61.94	60.85
126.0	79.22	79.35	63.53	62.73	62.31	63.93	64.80	65.69	66.43	65.67
129.0	84.05	84.18	68.94	68.06	67.56	68.10	69.92	70.59	71.01	70.54
132.0	88.75	88.91	74.44	73.44	72.90	73.31	74.88	75.58	75.86	75.62
135.0	93.43	93.53	79.84	78.80	78.26	78.54	78.66	80.46	80.64	80.39
138.0	98.12	98.01	85.30	84.25	83.78	83.69	83.29	83.99	84.36	83.88
141.0	102.4	102.2	90.45	89.50	89.20	88.62	88.02	88.33	88.62	88.14
144.0	106.2	106.0	95.28	94.68	94.53	93.29	92.64	92.84	92.92	92.49
147.0	109.4	109.1	99.15	98.62	98.74	97.19	97.00	97.15	97.03	96.80
150.0	112.0	112.0	103.1	102.2	102.8	101.7	101.0	101.3	101.1	101.2
153.0	114.6	114.7	106.9	105.9	105.9	105.6	105.3	105.2	105.0	104.6
156.0	117.2	117.2	110.6	109.7	109.3	109.8	109.7	109.7	109.3	108.7
159.0	119.6	119.7	114.3	113.4	112.6	112.9	113.7	113.3	113.1	112.5
162.0	121.8	121.8	116.7	116.3	116.3	115.9	116.5	117.1	116.9	116.3
165.0	124.4	124.2	121.4	120.5	120.1	119.3	119.2	119.7	119.7	118.9
168.0	127.5	127.1	125.2	124.7	124.2	123.1	122.8	122.5	122.4	122.2
171.0	129.2	128.9	128.4	128.1	127.4	126.6	126.1	125.1	124.9	125.2
174.0	130.7	130.1	131.1	130.2	130.4	129.2	128.6	127.7	127.3	127.2
177.0	130.6	130.1	132.4	131.5	131.8	130.9	130.3	129.5	129.3	129.0
180.0	130.0	129.8	133.0	132.1	132.3	131.8	131.6	130.7	130.6	130.2
G/C	300.0	315.0	330.0	345.0						
0.0	15224	15220	15192	15177						
3.0	15134	15108	15130	15065						
6.0	14902	14852	14899	14871						
9.0	14413	14447	14416	14354						
12.0	14110	14120	14101	14102						
15.0	13878	13799	13894	13866						
18.0	13630	13642	13649	13629						
21.0	12959	12877	12906	12862						
24.0	12211	12137	12113	12070						
27.0	11383	11338	11304	11216						
30.0	10299	10284	10142	10107						
33.0	9242	9217	9064	8981						
36.0	8143	8089	7934	7858						
39.0	7036	6977	6851	6745						
42.0	5985	5937	5849	5766						
45.0	5024	4954	4907	4834						
48.0	4187	4115	4091	4032						
51.0	3442	3415	3398	3372						
54.0	2976	2958	2963	2970						
57.0	2599	2587	2570	2578						
60.0	2186	2166	2157	2155						
63.0	1984	1971	1971	1964						
66.0	1744	1732	1732	1722						

**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\_EXT REF**

**Photometric Data Table [cd]**

69.0	1494	1483	1486	1475
72.0	1272	1267	1267	1261
75.0	1078	1074	1073	1069
78.0	891.4	888.5	892.0	886.9
81.0	702.2	694.7	701.2	696.6
84.0	501.3	497.4	499.8	499.1
87.0	332.7	328.2	329.1	328.2
90.0	202.5	198.2	201.5	198.9
93.0	155.1	146.0	149.3	159.8
96.0	73.79	57.91	72.07	84.52
99.0	51.03	35.18	34.98	37.69
102.0	34.65	33.35	34.24	35.65
105.0	34.72	34.24	35.29	36.39
108.0	36.68	36.77	37.44	38.46
111.0	40.17	41.37	40.47	41.43
114.0	45.62	45.42	44.27	45.05
117.0	50.47	50.05	48.44	49.16
120.0	55.15	54.75	52.87	53.61
123.0	59.99	59.59	57.56	58.33
126.0	64.99	63.82	62.63	63.19
129.0	70.13	68.42	67.87	68.35
132.0	74.70	73.35	73.10	73.61
135.0	78.78	78.53	78.26	78.70
138.0	83.61	83.77	83.52	83.73
141.0	88.26	88.65	88.63	88.67
144.0	92.54	92.97	93.49	93.30
147.0	96.98	97.21	97.63	97.43
150.0	100.8	101.0	101.2	101.3
153.0	104.9	104.7	104.4	104.9
156.0	108.2	108.9	107.9	108.4
159.0	112.2	111.9	111.5	111.9
162.0	115.4	114.9	114.7	115.1
165.0	118.5	118.2	118.1	118.4
168.0	122.3	121.6	121.8	121.9
171.0	125.0	124.5	124.6	124.6
174.0	127.4	127.1	127.1	127.3
177.0	129.3	129.2	128.9	128.7
180.0	130.5	130.4	130.1	129.7

**H( $\beta$ ) Range:-90 - 90DEG**  
**H( $\beta$ ) 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\_EXT REF**

50% Beam Angle : 75▲-H X 74▲-V

one-half-peak spread: U:31.6,D:37.7 , L:33.6,R:34.9

TOTAL FLUX : 26545 lm

LOR : 100.0%

AVAILABILITY FLUX : 24106 lm

AVAILABILITY : 90.8%

