

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	827.5 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	104.3V x 104.1H
	At 50% of Imax	64.7V x 65.3H
	At 90% of Imax	31.0V x 32.7H

Beam Flux	Total	1000.0 lumens per klm.
	To 10% of Imax	893.9 lumens per klm.
	To 50% of Imax	600.0 lumens per klm.
	To 90% of Imax	166.7 lumens per klm.

Upward LOR	2.3 %
Downward LOR	97.7 %

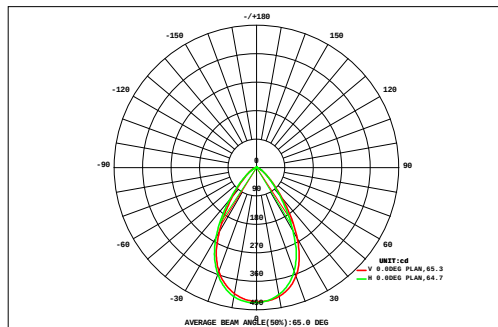
Luminaire Efficiency(Light Output Ratio)	100.0 %
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H_(b) Range:-90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:
Test Date:2024-09-28

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:8.630m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

NAME:Blazeline-609mm-TW-4000K-65D-Rev1	TYPE:4000K	WEIGHT:
SPEC.:65 DEG	DIM.:609MM	SERIAL No.:IES002961
MFR.:	SUR.:1	Shielding Angle:



DATA OF LAMP		Eff:50.71lm/W	
MODEL		Imax(cd)	440.7
NOMINAL POWER(W)	10.5	AVAILABILITY(%)	89.3
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	475.6
NOMINAL FLUX(lm)	532.5	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	532.5
TEST VOLTAGE(V)	220	q @50%(H,V)	65,65DEG

AREA FLUX DIAGRAM																	UNIT:lm		F t	F a
90	0.01	0.02	0.03	0.04	0.06	0.07	0.07	0.08	0.08	0.08	0.08	0.07	0.07	0.05	0.04	0.02	0.01	0.00	0.88	0.00
80	0.01	0.02	0.04	0.06	0.08	0.11	0.14	0.16	0.17	0.17	0.16	0.14	0.11	0.08	0.05	0.03	0.01	0.00	1.52	0.00
70	0.01	0.02	0.05	0.10	0.16	0.23	0.32	0.39	0.43	0.43	0.38	0.31	0.23	0.15	0.08	0.04	0.01	0.00	3.34	0.00
60	0.01	0.03	0.07	0.16	0.29	0.47	0.69	0.89	1.00	0.98	0.85	0.64	0.44	0.27	0.14	0.06	0.02	0.00	7.00	0.31
50	0.01	0.03	0.10	0.24	0.49	0.92	1.48	2.02	2.32	2.25	1.85	1.29	0.79	0.45	0.22	0.08	0.02	0.00	14.6	10.6
40	0.01	0.04	0.13	0.35	0.79	1.66	3.03	4.41	5.12	4.91	3.92	2.55	1.42	0.71	0.32	0.11	0.03	0.00	29.5	27.1
30	0.01	0.05	0.17	0.46	1.15	2.72	5.44	8.10	9.10	8.52	6.84	4.53	2.41	1.06	0.42	0.14	0.03	0.00	51.1	49.3
20	0.01	0.05	0.19	0.56	1.50	3.78	7.59	11.2	12.0	11.0	9.11	6.70	3.60	1.45	0.52	0.17	0.04	0.00	69.5	67.9
10	0.01	0.06	0.21	0.61	1.71	4.36	8.37	11.6	12.9	12.3	10.9	8.27	4.52	1.74	0.59	0.18	0.04	0.00	78.3	76.9
0	0.01	0.06	0.21	0.61	1.69	4.26	7.89	10.6	12.2	13.0	11.9	8.88	4.74	1.79	0.59	0.18	0.04	0.00	78.7	77.3
-10	0.01	0.05	0.19	0.54	1.46	3.60	6.61	8.99	11.1	12.2	11.6	8.17	4.13	1.58	0.54	0.17	0.04	0.00	71.0	69.5
-20	0.01	0.05	0.16	0.44	1.10	2.58	4.84	7.15	8.96	9.68	8.76	5.98	2.97	1.20	0.44	0.14	0.03	0.00	54.5	52.7
-30	0.01	0.04	0.12	0.32	0.73	1.56	2.90	4.45	5.61	5.86	4.98	3.37	1.79	0.80	0.33	0.11	0.03	0.00	33.0	30.8
-40	0.01	0.03	0.09	0.21	0.44	0.83	1.43	2.10	2.59	2.65	2.25	1.59	0.95	0.48	0.22	0.08	0.02	0.00	16.0	12.5
-50	0.01	0.02	0.06	0.13	0.24	0.40	0.64	0.88	1.05	1.07	0.93	0.70	0.46	0.26	0.13	0.05	0.01	0.00	7.04	0.76
-60	0.01	0.02	0.04	0.07	0.11	0.18	0.26	0.35	0.40	0.41	0.36	0.29	0.20	0.12	0.06	0.03	0.01	0.00	2.92	0.00
-70	0.01	0.02	0.02	0.03	0.04	0.06	0.09	0.11	0.12	0.13	0.11	0.09	0.07	0.04	0.03	0.01	0.01	0.00	0.98	0.00
-80	0.01	0.01	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.00	0.00	0.27	0.00
-90	0.01	0.01	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.00	0.00	0.27	0.00
-90 -80 -70 -60 -50 -40 -30 -20 HORIZONTAL(DEG) 20 30 40 50 60 70 80 90																				
F t	0.13	0.61	1.91	4.95	12.0	27.8	51.8	73.5	85.2	85.7	75.0	53.6	28.9	12.3	4.72	1.61	0.39	0.04	520	---
F a	0.00	0.00	0.00	0.29	8.37	24.8	48.9	70.7	82.3	82.8	72.1	50.6	25.8	8.56	0.31	0.00	0.00	0.00	---	476

one-half-peak spread: U:32.6,D:32.4 , L:33.6,R:32.0

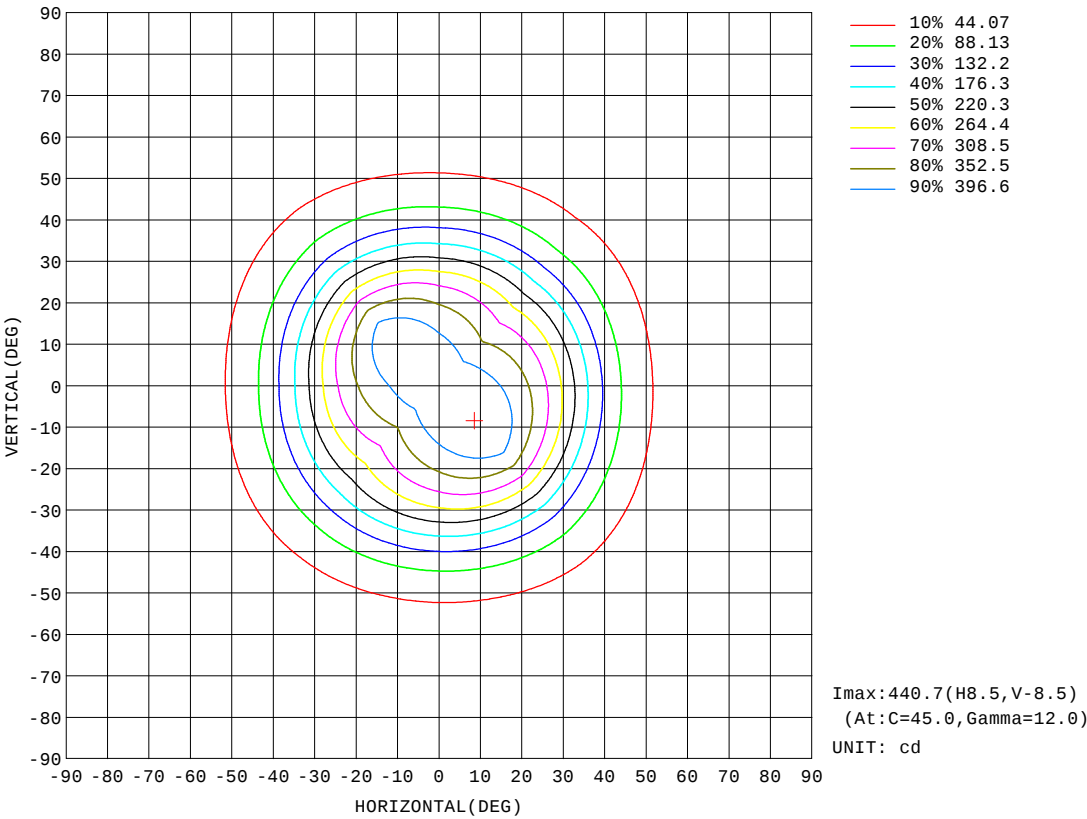
NEMA Beam Type: Type 6

H_(b) Range:-90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:
Test Date:2024-09-28

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:8.630m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

NAME:Blazeline-609mm-TW-4000K-65D-Rev1	TYPE:4000K	WEIGHT:
SPEC.:65 DEG	DIM.:609MM	SERIAL No.:IES002961
MFR.:	SUR.:1	Shielding Angle:

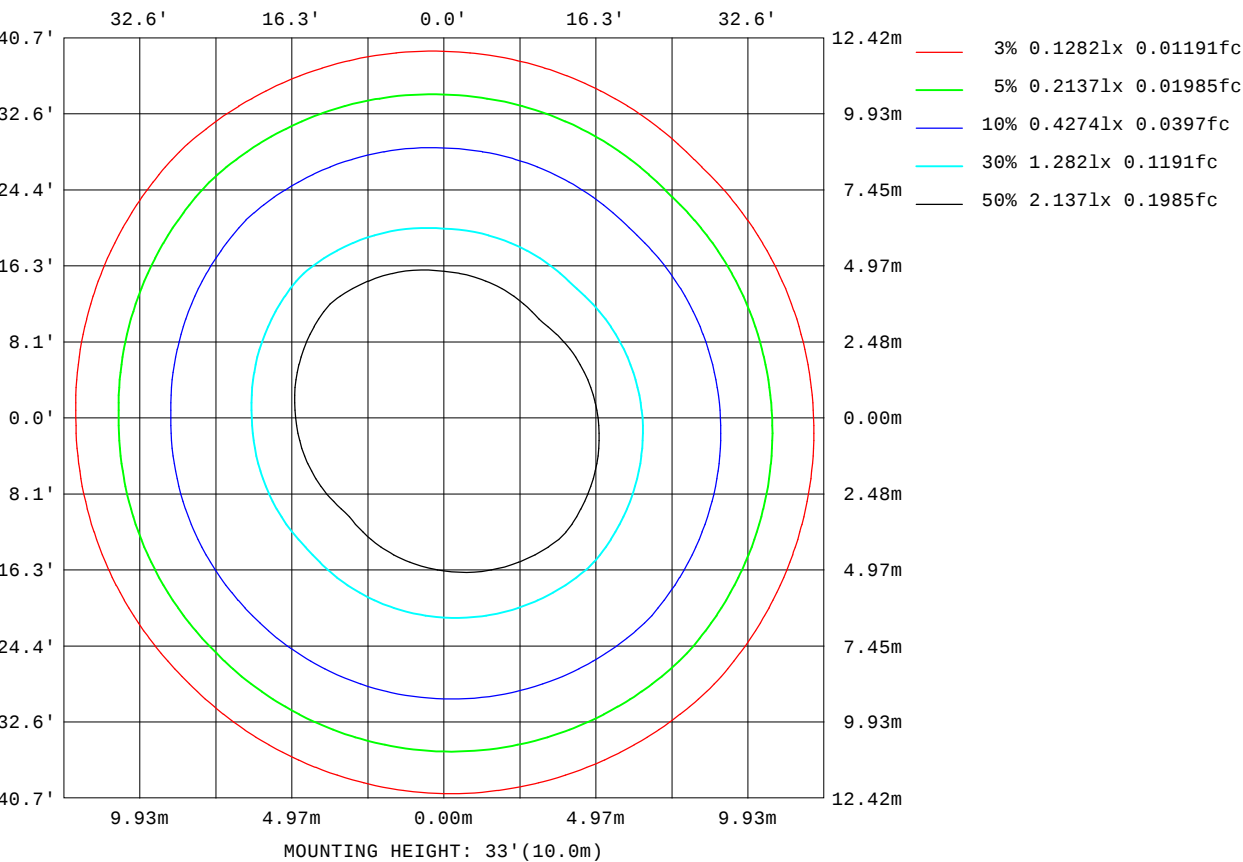


H_(b) Range: -90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: LOW
Temperature: 25.3DEG
Operators:
Test Date: 2024-09-28

V(B) Range: -180 - 180DEG
V(B) Interval: 0.5DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 8.630m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

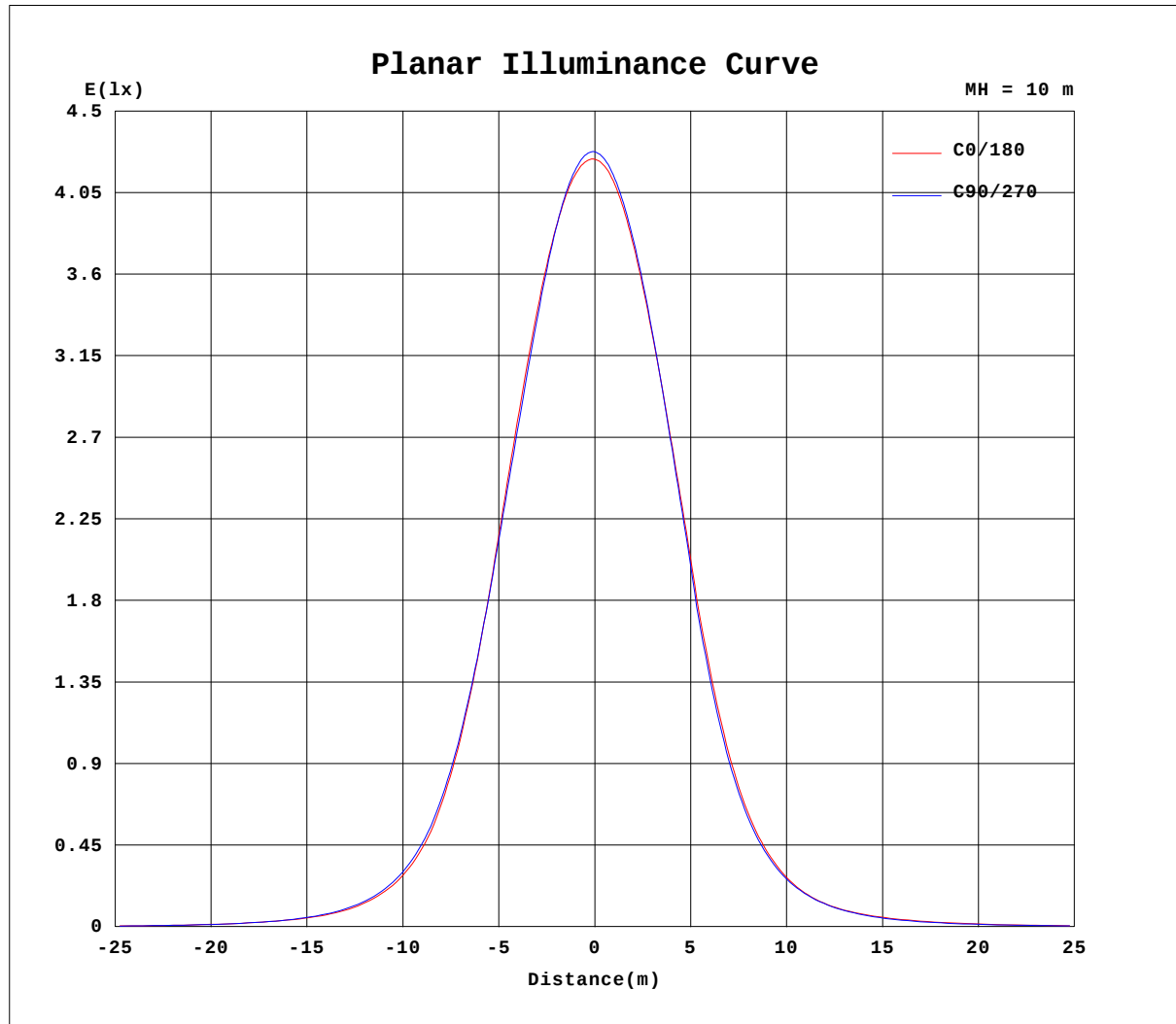
NAME:Blazeline-609mm-TW-4000K-65D-Rev1	TYPE:4000K	WEIGHT:
SPEC.:65 DEG	DIM.:609MM	SERIAL No.:IES002961
MFR.:	SUR.:1	Shielding Angle:



H_(b) Range:-90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:
Test Date:2024-09-28

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:8.630m [K=1.0000]
Remarks:

Planar Illuminance Curve

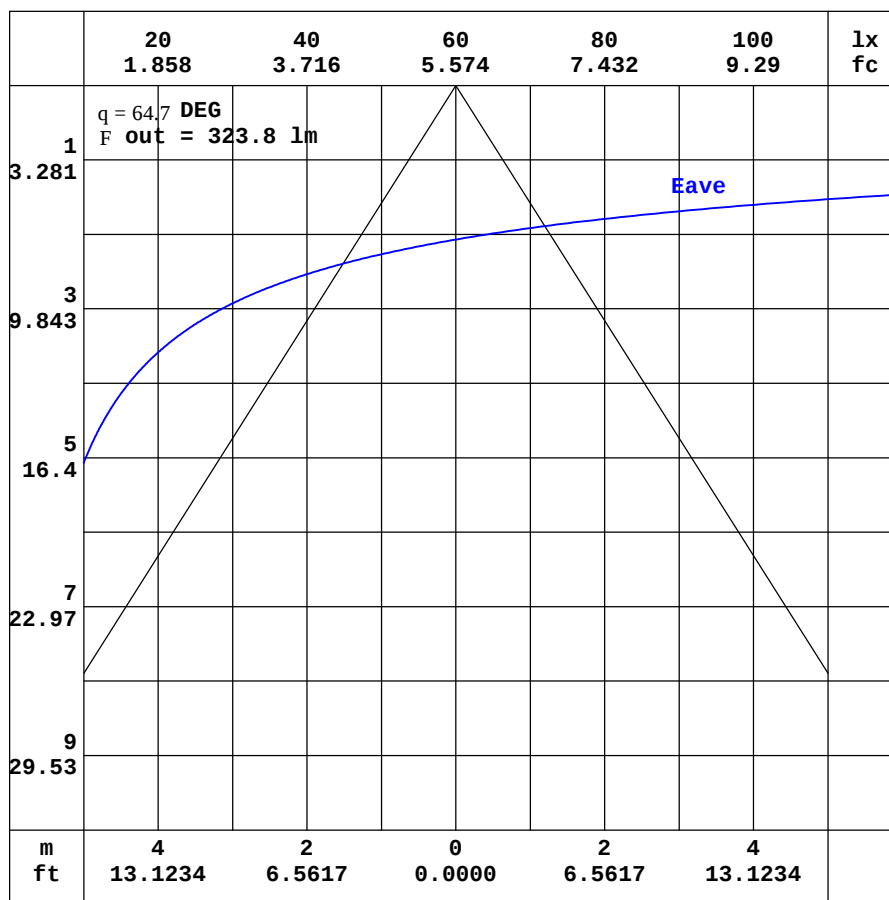


H(b) Range: -90 - 90DEG
H(b) Interval: 0.5DEG
Test Speed: LOW
Temperature: 25.3DEG
Operators:
Test Date: 2024-09-28

V(B) Range: -180 - 180DEG
V(B) Interval: 0.5DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 8.630m [K=1.0000]
Remarks:

AAI CURVES

NAME:Blazeline-609mm-TW-4000K-65D-Rev1	TYPE:4000K	WEIGHT:
SPEC.:65 DEG	DIM.:609MM	SERIAL No.:IES002961
MFR.:	SUR.:1	Shielding Angle:



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

H_(b) Range:-90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:
Test Date:2024-09-28

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:8.630m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME:Blazeline-609mm-TW-4000K-65D-Rev1	TYPE:4000K	WEIGHT:
SPEC.:65 DEG	DIM.:609MM	SERIAL No.:IES002961
MFR.:	SUR.:1	Shielding Angle:

Table--1

UNIT: cd

H(°) \ V(°)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-180	2.30	2.14	2.11	2.13	2.21	2.36	2.56	2.77	2.99	3.22	3.44	3.64	3.79	3.89	3.93	3.93	3.87	3.77	3.74
-170	2.30	2.11	2.05	2.04	2.09	2.18	2.32	2.47	2.62	2.78	2.92	3.03	3.11	3.12	3.11	3.03	2.93	3.06	3.10
-160	2.30	2.09	2.00	1.95	1.95	1.99	2.06	2.14	2.23	2.30	2.35	2.39	2.40	2.36	2.23	2.33	2.45	2.51	2.51
-150	2.30	2.07	1.94	1.87	1.82	1.81	1.81	1.82	1.83	1.82	1.81	1.77	1.70	1.68	1.82	1.92	1.99	2.02	2.03
-140	2.30	2.06	1.89	1.79	1.70	1.63	1.58	1.53	1.48	1.41	1.33	1.22	1.22	1.32	1.40	1.47	1.53	1.55	1.56
-130	2.30	2.07	1.86	1.72	1.60	1.49	1.39	1.29	1.19	1.08	0.95	0.91	0.96	1.01	1.06	1.09	1.13	1.14	1.14
-120	2.30	2.06	1.84	1.67	1.53	1.39	1.25	1.12	0.98	0.85	0.73	0.74	0.77	0.79	0.80	0.81	0.83	0.83	0.83
-110	2.30	2.06	1.86	1.65	1.47	1.32	1.16	1.00	0.85	0.70	0.65	0.65	0.65	0.66	0.65	0.65	0.65	0.65	0.64
-100	2.30	2.08	1.87	1.67	1.48	1.29	1.11	0.94	0.77	0.60	0.58	0.58	0.58	0.57	0.57	0.56	0.56	0.55	0.55
-90	2.30	2.11	1.91	1.71	1.51	1.32	1.12	0.92	0.72	0.53	0.52	0.52	0.51	0.51	0.50	0.50	0.50	0.49	0.49
-80	2.30	2.14	1.98	1.81	1.64	1.49	1.34	1.16	0.99	0.83	0.92	1.04	1.16	1.29	1.40	1.49	1.57	1.63	1.66
-70	2.30	2.19	2.08	2.07	2.09	2.19	2.39	2.66	2.93	3.16	3.64	4.29	4.92	5.54	6.13	6.67	7.10	7.42	7.61
-60	2.30	2.25	2.31	2.54	3.02	3.76	4.53	5.40	6.40	7.52	8.81	10.7	12.7	14.7	16.6	18.4	19.9	21.0	21.6
-50	2.30	2.31	2.60	3.25	4.40	5.68	7.37	9.44	11.9	14.8	18.1	22.5	28.0	34.0	39.9	45.3	50.0	53.3	54.9
-40	2.30	2.40	2.93	4.19	5.83	8.05	11.0	14.8	19.7	25.9	34.2	44.9	58.3	73.7	89.7	105	118	128	132
-30	2.30	2.49	3.29	5.04	7.30	10.6	15.1	21.2	29.4	41.0	57.6	80.4	108	139	171	201	227	246	258
-20	2.30	2.59	3.63	5.80	8.70	13.0	19.1	27.5	39.3	57.7	85.9	123	167	211	245	279	312	339	359
-10	2.30	2.67	3.92	6.33	9.77	14.8	22.2	32.1	47.0	72.0	110	159	216	268	309	335	353	389	414
0	2.30	2.72	4.09	6.64	10.3	15.8	23.7	34.1	49.9	77.2	118	173	238	302	349	382	405	418	423
10	2.30	2.71	4.00	6.45	9.95	15.1	22.6	32.7	47.8	73.1	112	165	230	300	360	405	434	423	408
20	2.30	2.67	3.78	6.03	9.06	13.5	19.8	28.6	40.7	59.7	88.8	129	181	242	303	344	361	361	348
30	2.30	2.61	3.52	5.37	7.81	11.3	16.1	22.6	31.4	43.4	60.7	84.7	115	151	182	210	228	235	231
40	2.30	2.54	3.24	4.60	6.44	8.90	12.2	16.4	21.8	28.7	37.5	49.0	62.1	75.7	89.1	101	109	114	113
50	2.30	2.47	2.97	3.76	5.07	6.61	8.58	11.0	13.9	17.3	21.2	25.9	30.9	35.9	40.7	44.7	47.6	49.2	49.2
60	2.30	2.43	2.72	3.15	3.79	4.70	5.73	6.89	8.23	9.68	11.3	13.1	15.0	16.7	18.3	19.7	20.7	21.2	21.4
70	2.30	2.39	2.50	2.74	2.99	3.29	3.65	4.09	4.58	5.07	5.69	6.30	6.89	7.43	7.93	8.33	8.63	8.82	8.88
80	2.30	2.35	2.40	2.45	2.51	2.63	2.74	2.82	2.89	2.96	3.02	3.10	3.16	3.23	3.29	3.34	3.37	3.39	3.40
90	2.30	2.31	2.32	2.33	2.34	2.35	2.35	2.36	2.37	2.38	2.37	2.36	2.35	2.34	2.33	2.33	2.32	2.31	2.30
100	2.30	2.28	2.26	2.24	2.23	2.21	2.19	2.19	2.19	2.18	2.17	2.15	2.14	2.14	2.13	2.12	2.12	2.11	2.10
110	2.30	2.25	2.21	2.17	2.15	2.14	2.14	2.14	2.14	2.14	2.15	2.15	2.15	2.15	2.16	2.18	2.19	2.20	2.19
120	2.30	2.22	2.16	2.13	2.13	2.13	2.14	2.15	2.18	2.23	2.28	2.34	2.37	2.43	2.47	2.50	2.52	2.54	2.54
130	2.30	2.21	2.13	2.12	2.12	2.15	2.19	2.25	2.35	2.44	2.54	2.64	2.73	2.81	2.88	2.93	2.98	3.00	3.01
140	2.30	2.18	2.12	2.12	2.14	2.19	2.28	2.40	2.54	2.68	2.82	2.95	3.08	3.18	3.27	3.36	3.41	3.46	3.48
150	2.30	2.17	2.12	2.12	2.16	2.25	2.38	2.55	2.72	2.90	3.07	3.23	3.37	3.49	3.60	3.69	3.73	3.78	3.82
160	2.30	2.15	2.12	2.13	2.19	2.31	2.48	2.67	2.87	3.07	3.26	3.44	3.60	3.68	3.74	3.79	3.83	3.86	3.88
170	2.30	2.14	2.12	2.13	2.21	2.34	2.53	2.75	2.96	3.18	3.40	3.58	3.72	3.81	3.85	3.85	3.82	3.84	3.88
180	2.30	2.14	2.11	2.13	2.21	2.36	2.56	2.77	2.99	3.22	3.44	3.64	3.79	3.89	3.93	3.93	3.87	3.77	3.75

H<

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME:Blazeline-609mm-TW-4000K-65D-Rev1	TYPE:4000K	WEIGHT:
SPEC.:65 DEG	DIM.:609MM	SERIAL No.:IES002961
MFR.:	SUR.:1	Shielding Angle:

Table--2		UNIT: cd																	
H(°) \ V(°)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-180	3.37	3.08	2.81	2.55	2.29	2.03	1.77	1.52	1.31	1.12	0.96	0.84	0.73	0.64	0.58	0.52	0.49	0.47	
-170	3.00	2.81	2.60	2.43	2.21	1.97	1.73	1.50	1.30	1.12	0.97	0.84	0.73	0.64	0.58	0.52	0.49	0.47	
-160	2.48	2.42	2.31	2.17	1.99	1.80	1.60	1.41	1.23	1.08	0.93	0.81	0.71	0.63	0.57	0.52	0.49	0.47	
-150	2.02	1.98	1.90	1.81	1.70	1.56	1.41	1.26	1.12	0.99	0.87	0.77	0.68	0.62	0.57	0.52	0.49	0.47	
-140	1.56	1.54	1.50	1.43	1.37	1.29	1.19	1.08	0.98	0.88	0.79	0.72	0.65	0.59	0.55	0.51	0.49	0.47	
-130	1.15	1.15	1.13	1.10	1.06	1.02	0.97	0.90	0.83	0.77	0.71	0.66	0.61	0.58	0.54	0.51	0.49	0.47	
-120	0.84	0.84	0.83	0.83	0.81	0.79	0.77	0.75	0.71	0.67	0.64	0.60	0.58	0.54	0.52	0.50	0.48	0.47	
-110	0.65	0.65	0.65	0.65	0.65	0.65	0.64	0.63	0.62	0.60	0.58	0.56	0.54	0.52	0.51	0.49	0.48	0.47	
-100	0.55	0.55	0.55	0.56	0.56	0.55	0.55	0.56	0.55	0.54	0.53	0.52	0.51	0.50	0.49	0.49	0.48	0.47	
-90	0.49	0.49	0.49	0.49	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.49	0.49	0.49	0.48	0.48	0.48	0.47	
-80	1.66	1.62	1.57	1.49	1.39	1.29	1.17	1.05	0.93	0.84	0.76	0.70	0.66	0.61	0.56	0.51	0.48	0.47	
-70	7.55	7.34	7.01	6.56	6.02	5.42	4.77	4.14	3.51	2.92	2.34	1.85	1.39	1.02	0.78	0.63	0.50	0.47	
-60	21.4	20.7	19.5	18.0	16.2	14.2	12.2	10.2	8.36	6.67	5.15	3.87	2.83	1.97	1.21	0.79	0.56	0.47	
-50	54.4	52.1	48.1	43.2	37.5	31.7	26.1	21.0	16.4	12.6	9.37	6.78	4.66	3.11	1.94	1.02	0.62	0.47	
-40	132	125	114	99.7	83.3	66.8	51.4	38.4	28.4	20.8	14.9	10.4	6.95	4.37	2.66	1.32	0.69	0.47	
-30	262	254	233	203	167	127	92.0	64.5	44.5	30.7	21.3	14.4	9.30	5.73	3.29	1.67	0.74	0.47	
-20	372	375	362	326	264	199	141	95.3	62.8	41.1	27.2	18.1	11.5	6.93	3.80	1.95	0.78	0.47	
-10	428	440	415	375	320	251	180	119	77.0	48.9	31.4	20.6	12.9	7.71	4.19	2.15	0.81	0.47	
0	422	414	395	365	320	258	189	125	80.7	51.1	32.6	21.5	13.5	8.02	4.35	2.23	0.83	0.47	
10	388	358	343	319	278	224	164	110	72.4	46.9	30.6	20.4	13.0	7.80	4.28	2.22	0.85	0.47	
20	333	309	278	243	206	162	118	82.6	56.4	38.2	26.1	17.9	11.6	7.12	3.98	2.09	0.86	0.47	
30	223	207	183	154	123	96.5	73.4	54.1	39.3	28.4	20.5	14.3	9.53	6.05	3.55	1.87	0.86	0.47	
40	110	102	91.2	78.2	64.9	52.2	41.6	32.9	25.7	19.8	14.8	10.6	7.39	4.80	3.01	1.60	0.83	0.47	
50	47.9	45.3	41.5	37.1	32.4	27.7	23.3	19.4	15.9	12.7	9.86	7.41	5.30	3.64	2.39	1.37	0.79	0.47	
60	21.0	20.2	19.0	17.6	16.0	14.3	12.5	10.8	9.19	7.63	6.14	4.75	3.59	2.65	1.78	1.19	0.75	0.47	
70	8.79	8.58	8.26	7.84	7.34	6.80	6.22	5.61	4.95	4.21	3.55	2.95	2.38	1.87	1.44	1.05	0.70	0.47	
80	3.39	3.37	3.33	3.28	3.21	3.14	3.06	2.99	2.91	2.64	2.36	2.08	1.79	1.49	1.20	0.93	0.69	0.47	
90	2.31	2.32	2.33	2.33	2.34	2.35	2.36	2.37	2.38	2.17	1.96	1.74	1.53	1.32	1.11	0.90	0.69	0.47	
100	2.11	2.11	2.12	2.12	2.12	2.13	2.14	2.15	2.16	1.98	1.81	1.63	1.45	1.26	1.07	0.88	0.68	0.47	
110	2.19	2.18	2.17	2.16	2.14	2.13	2.12	2.12	2.06	1.89	1.72	1.54	1.37	1.21	1.03	0.86	0.67	0.47	
120	2.52	2.49	2.46	2.42	2.37	2.32	2.26	2.21	2.03	1.84	1.66	1.49	1.32	1.15	0.99	0.82	0.65	0.47	
130	3.00	2.96	2.90	2.84	2.75	2.66	2.56	2.35	2.09	1.84	1.62	1.43	1.25	1.10	0.94	0.79	0.64	0.47	
140	3.47	3.43	3.38	3.29	3.18	3.05	2.80	2.46	2.14	1.85	1.60	1.38	1.19	1.03	0.89	0.74	0.61	0.47	
150	3.81	3.79	3.74	3.66	3.56	3.23	2.83	2.46	2.12	1.80	1.53	1.30	1.11	0.95	0.82	0.70	0.59	0.47	
160	3.91	3.94	3.95	3.86	3.44	3.05	2.67	2.31	1.97	1.67	1.41	1.18	1.01	0.86	0.75	0.64	0.56	0.47	
170	3.89	3.92	3.61	3.30	2.99	2.64	2.30	1.98	1.70	1.44	1.22	1.03	0.88	0.76	0.66	0.58	0.52	0.47	
180	3.37	3.08	2.81	2.55	2.29	2.03	1.77	1.52	1.31	1.12	0.96	0.84	0.73	0.64	0.58	0.52	0.49	0.47	

H_(b) Range:-90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:
Test Date:2024-09-28</