

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity (Luminaire orientation as tested.)	838.0 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
---	---

Beam Spread	At 10% of Imax	104.1V x 104.0H
	At 50% of Imax	64.0V x 64.9H
	At 90% of Imax	29.1V x 32.0H

Beam Flux	Total	1000.0 lumens per klm.
	To 10% of Imax	892.5 lumens per klm.
	To 50% of Imax	589.2 lumens per klm.
	To 90% of Imax	163.1 lumens per klm.

Upward LOR	2.3 %
Downward LOR	97.7 %

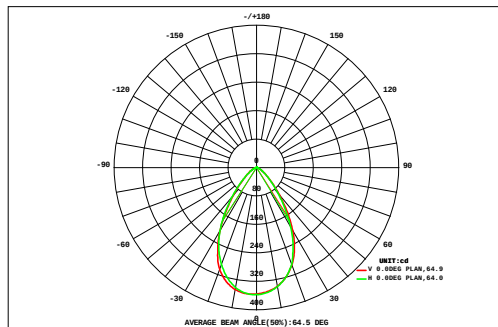
Luminaire Efficiency(Light Output Ratio)	100.0 %
--	---------

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-2200K-65D-Rev1	TYPE:2200K	WEIGHT:
SPEC.:65 DEG	DIM.:609MM	SERIAL No.:IES002960
MFR.:	SUR.:1	Shielding Angle:



DATA OF LAMP		Eff:40.75lm/W	
MODEL		Imax(cd)	368.8
NOMINAL POWER(W)	10.7	AVAILABILITY(%)	89.2
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	392.6
NOMINAL FLUX(lm)	440.1	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	440.1
TEST VOLTAGE(V)	220	q @50%(H,V)	65,64DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm			F t	F a
	0.01	0.02	0.03	0.04	0.05	0.05	0.06	0.07	0.07	0.07	0.07	0.06	0.05	0.05	0.03	0.02	0.01	0.00	0.73	0.00	
	0.01	0.02	0.03	0.05	0.07	0.09	0.11	0.13	0.14	0.14	0.13	0.11	0.09	0.07	0.04	0.02	0.01	0.00	1.26	0.00	
	0.01	0.02	0.04	0.08	0.12	0.19	0.25	0.32	0.36	0.36	0.33	0.27	0.20	0.13	0.07	0.03	0.01	0.00	2.78	0.00	
	0.01	0.02	0.06	0.13	0.22	0.36	0.54	0.71	0.82	0.83	0.74	0.58	0.40	0.24	0.12	0.05	0.01	0.00	5.84	0.25	
	0.01	0.03	0.08	0.20	0.38	0.68	1.11	1.57	1.89	1.93	1.66	1.20	0.75	0.40	0.19	0.07	0.02	0.00	12.2	8.86	
	0.01	0.03	0.11	0.28	0.61	1.22	2.17	3.29	4.10	4.25	3.62	2.46	1.35	0.64	0.27	0.10	0.02	0.00	24.5	22.5	
	0.01	0.04	0.14	0.38	0.90	2.02	3.77	5.66	7.02	7.49	6.65	4.46	2.23	0.94	0.36	0.12	0.03	0.00	42.2	40.7	
	0.01	0.04	0.16	0.46	1.21	2.94	5.48	7.48	9.08	9.95	9.24	6.30	3.17	1.24	0.44	0.14	0.03	0.00	57.4	56.1	
	0.01	0.05	0.18	0.52	1.44	3.63	6.75	9.04	10.2	10.7	9.65	6.99	3.71	1.43	0.48	0.15	0.03	0.00	65.0	63.8	
	0.01	0.05	0.18	0.53	1.48	3.81	7.28	9.99	10.8	10.2	8.79	6.57	3.63	1.42	0.48	0.15	0.03	0.00	65.5	64.3	
	0.01	0.04	0.16	0.48	1.32	3.39	6.73	9.71	10.1	9.05	7.29	5.45	3.01	1.21	0.43	0.14	0.03	0.00	58.5	57.3	
	0.01	0.04	0.14	0.39	1.01	2.49	4.99	7.23	7.86	7.19	5.77	3.93	2.11	0.90	0.34	0.11	0.03	0.00	44.5	43.0	
	0.01	0.03	0.11	0.29	0.68	1.52	2.84	4.12	4.75	4.52	3.59	2.33	1.26	0.59	0.25	0.09	0.02	0.00	27.0	25.1	
	0.01	0.03	0.08	0.19	0.41	0.79	1.34	1.88	2.18	2.11	1.71	1.16	0.67	0.36	0.17	0.06	0.02	0.00	13.1	10.2	
	0.01	0.02	0.05	0.11	0.22	0.37	0.58	0.77	0.88	0.86	0.72	0.53	0.34	0.20	0.10	0.04	0.01	0.00	5.82	0.60	
	0.00	0.02	0.03	0.06	0.10	0.16	0.23	0.30	0.34	0.33	0.29	0.22	0.15	0.09	0.05	0.02	0.01	0.00	2.41	0.00	
	0.00	0.01	0.02	0.03	0.03	0.05	0.07	0.09	0.10	0.10	0.09	0.07	0.05	0.03	0.02	0.01	0.00	0.00	0.81	0.00	
	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.00	0.00	0.22	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)				20	30	40	50	60	70	80	90	
F t	0.10	0.52	1.62	4.22	10.3	23.8	44.3	62.4	70.8	70.2	60.4	42.7	23.2	9.94	3.86	1.33	0.32	0.04	430	---	
F a	0.00	0.00	0.00	0.33	7.27	21.2	41.9	60.0	68.4	67.8	58.0	40.2	20.5	6.80	0.16	0.00	0.00	0.00	---	393	

one-half-peak spread: U:32.0,D:32.4 , L:29.7,R:35.6

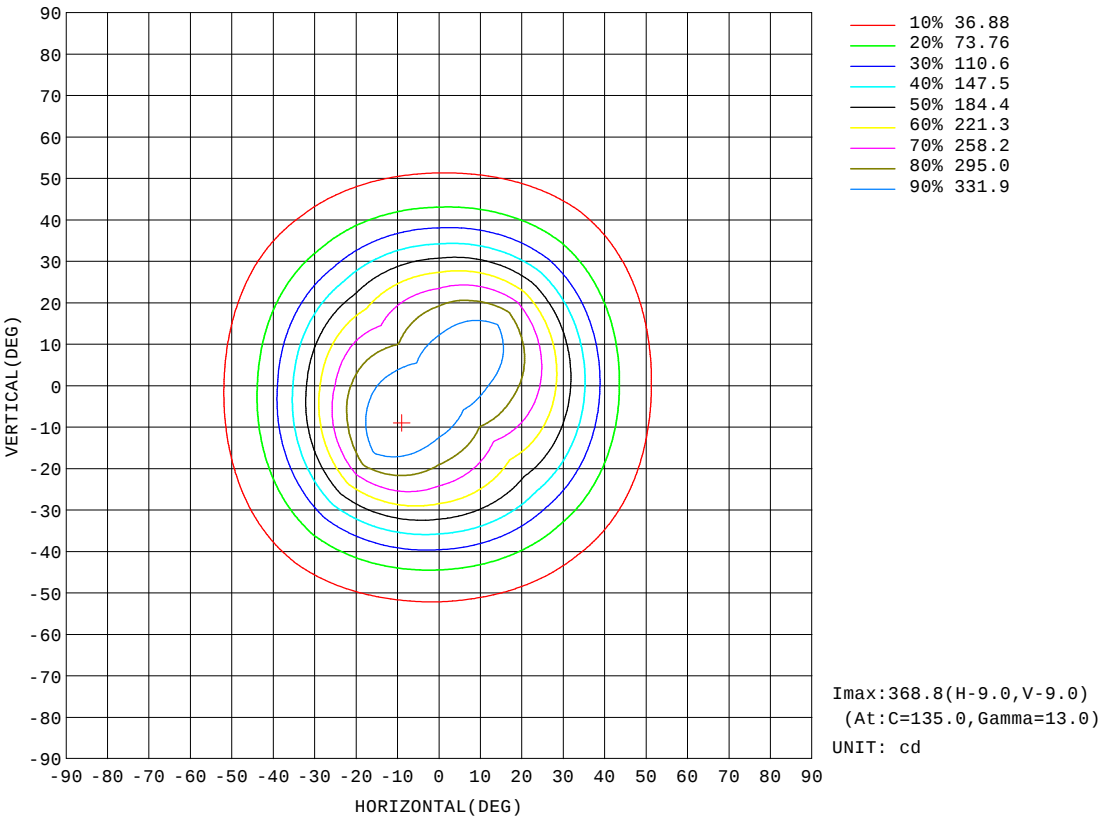
NEMA Beam Type: Type 6

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-2200K-65D-Rev1	TYPE:2200K	WEIGHT:
SPEC.:65 DEG	DIM.:609MM	SERIAL No.:IES002960
MFR.:	SUR.:1	Shielding Angle:

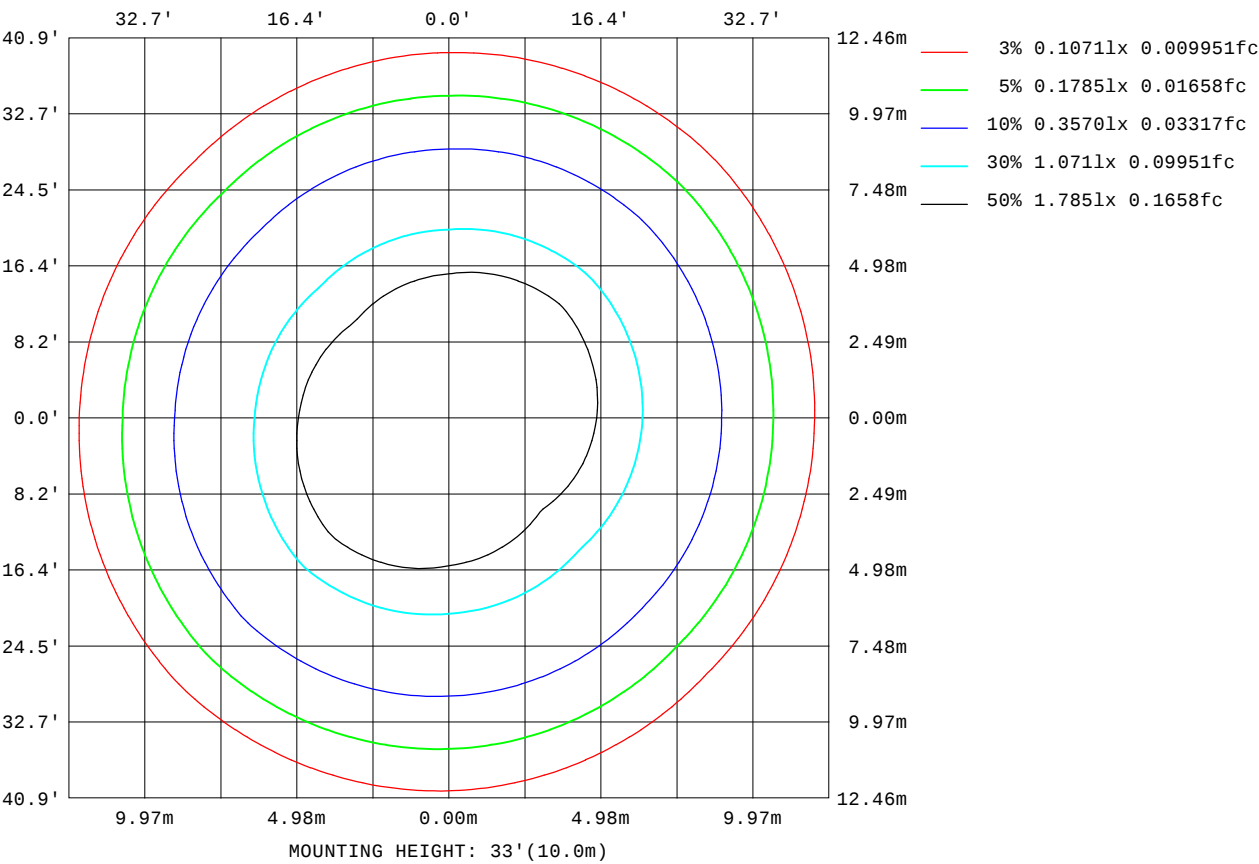


H_(b) Range:-90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:
Test Date:2024-09-28

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

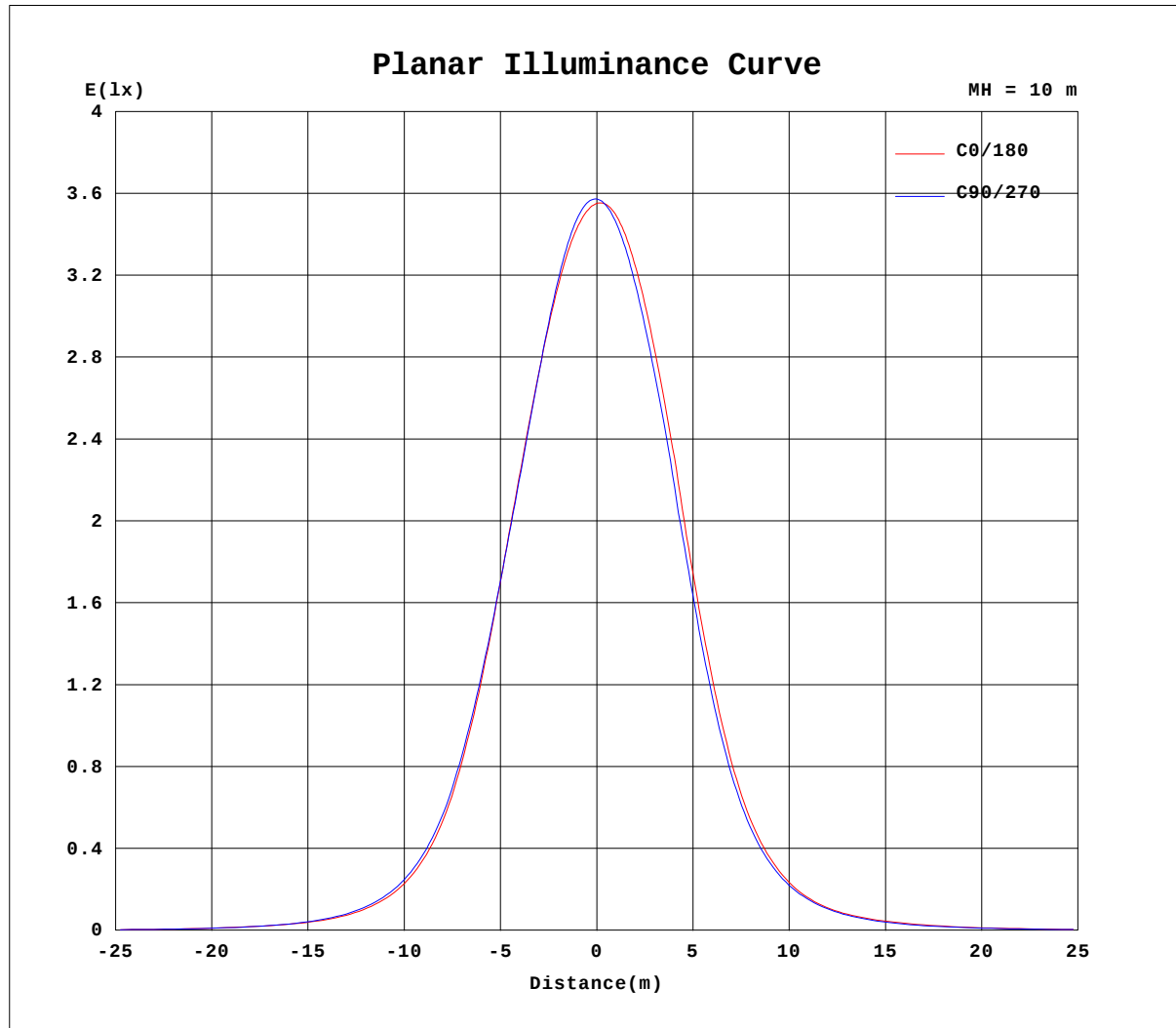
NAME:Blazeline-609mm-TW-2200K-65D-Rev1	TYPE:2200K	WEIGHT:
SPEC.:65 DEG	DIM.:609MM	SERIAL No.:IES002960
MFR.:	SUR.:1	Shielding Angle:



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

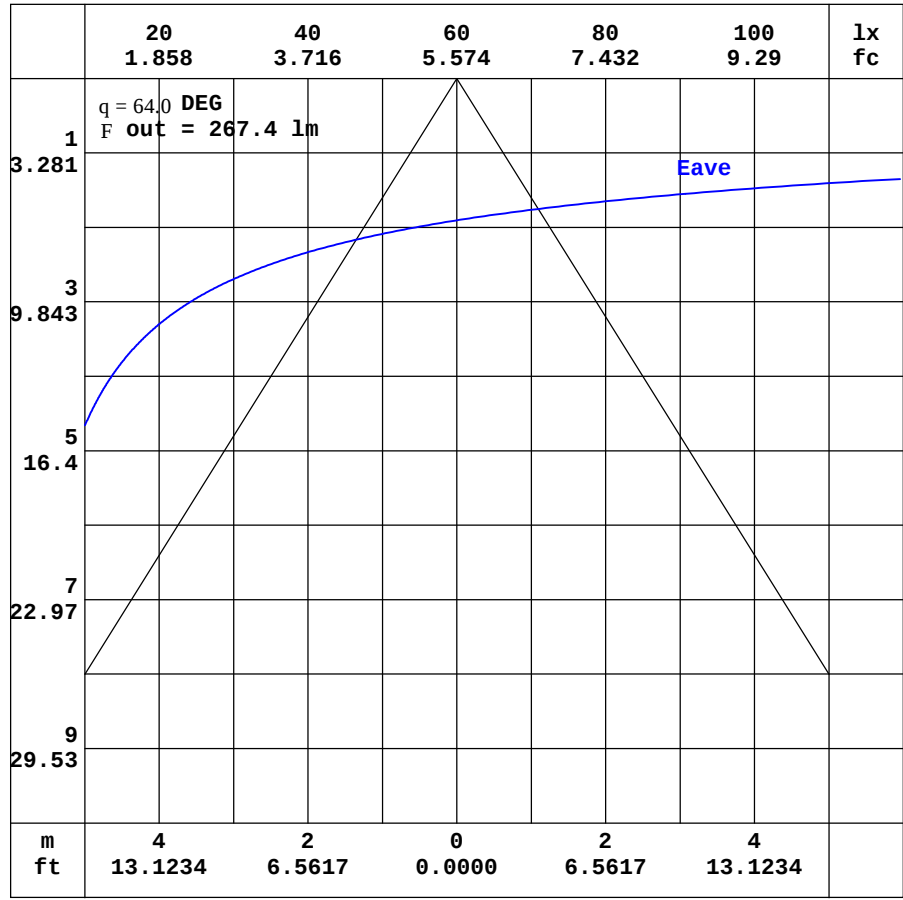


H(b) Range: -90 - 90DEG
H(b) Interval: 0.5DEG
Test Speed: LOW
Temperature: 25.3DEG
Operators:
Test Date: 2024-09-28

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-2200K-65D-Rev1	TYPE:2200K	WEIGHT:
SPEC.:65 DEG	DIM.:609MM	SERIAL No.:IES002960
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	V(B) Range:-180 - 180DEG
H _(b) Interval: 0.5DEG	V(B) Interval: 0.5DEG
Test Speed: LOW	Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.351
Temperature:25.3DEG	Humidity:65.0%
Operators:	Test Distance:8.630m [K=1.0000]
Test Date:2024-09-28	Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME:Blazeline-609mm-TW-2200K-65D-Rev1	TYPE:2200K	WEIGHT:
SPEC.:65 DEG	DIM.:609MM	SERIAL No.:IES002960
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	1.91	1.78	1.74	1.75	1.81	1.92	2.07	2.24	2.42	2.61	2.80	2.96	3.10	3.18	3.17	3.17	3.15	3.09	3.08
-170	1.91	1.75	1.70	1.68	1.70	1.78	1.89	2.01	2.14	2.27	2.39	2.49	2.55	2.55	2.52	2.45	2.39	2.52	2.55
-160	1.91	1.73	1.65	1.61	1.60	1.63	1.69	1.76	1.84	1.90	1.96	1.99	1.99	1.95	1.83	1.89	2.00	2.04	2.06
-150	1.91	1.72	1.60	1.54	1.49	1.48	1.49	1.51	1.53	1.54	1.53	1.50	1.46	1.43	1.51	1.59	1.63	1.65	1.65
-140	1.91	1.71	1.56	1.47	1.40	1.34	1.30	1.27	1.24	1.20	1.15	1.08	1.08	1.15	1.20	1.23	1.26	1.27	1.26
-130	1.91	1.70	1.53	1.42	1.32	1.23	1.14	1.07	0.99	0.92	0.84	0.81	0.85	0.88	0.91	0.92	0.94	0.93	0.91
-120	1.91	1.71	1.52	1.37	1.26	1.14	1.02	0.92	0.82	0.71	0.63	0.64	0.66	0.67	0.68	0.68	0.68	0.67	0.65
-110	1.91	1.71	1.53	1.36	1.21	1.08	0.95	0.82	0.69	0.57	0.53	0.53	0.54	0.54	0.54	0.53	0.53	0.53	0.52
-100	1.91	1.73	1.55	1.38	1.21	1.06	0.91	0.76	0.62	0.48	0.46	0.46	0.46	0.46	0.45	0.45	0.45	0.44	0.44
-90	1.91	1.74	1.58	1.41	1.25	1.08	0.92	0.75	0.58	0.42	0.42	0.42	0.41	0.41	0.41	0.41	0.41	0.40	0.40
-80	1.91	1.78	1.64	1.50	1.37	1.24	1.11	0.98	0.83	0.71	0.79	0.88	0.98	1.08	1.17	1.24	1.30	1.34	1.36
-70	1.91	1.82	1.74	1.73	1.76	1.85	2.03	2.27	2.53	2.77	3.21	3.77	4.31	4.81	5.27	5.67	5.98	6.18	6.27
-60	1.91	1.87	1.93	2.13	2.55	3.19	3.89	4.71	5.67	6.79	8.10	9.79	11.5	13.1	14.7	16.0	17.0	17.6	17.8
-50	1.91	1.92	2.18	2.74	3.73	4.87	6.39	8.34	10.8	13.7	17.2	21.4	26.3	31.3	36.0	40.1	43.1	44.8	45.0
-40	1.91	2.00	2.46	3.52	4.94	6.91	9.62	13.2	18.0	24.1	32.5	43.5	56.6	70.2	83.6	95.2	104	108	107
-30	1.91	2.08	2.77	4.25	6.20	9.12	13.2	19.0	26.7	37.9	54.5	77.7	107	140	169	193	207	211	207
-20	1.91	2.16	3.05	4.88	7.38	11.2	16.7	24.4	35.3	52.7	79.8	117	165	218	271	302	310	305	289
-10	1.91	2.23	3.30	5.32	8.26	12.7	19.3	28.1	41.5	64.1	98.5	146	203	263	314	348	368	356	342
0	1.91	2.27	3.44	5.57	8.72	13.5	20.4	29.4	43.0	66.6	102	150	206	259	304	331	348	355	355
10	1.91	2.26	3.36	5.40	8.35	12.8	19.2	27.5	39.9	60.4	91.0	132	181	227	262	283	294	321	340
20	1.91	2.23	3.17	5.04	7.57	11.3	16.6	23.7	33.1	47.6	69.3	98.2	133	170	200	228	254	275	289
30	1.91	2.18	2.95	4.48	6.49	9.38	13.3	18.5	25.1	33.9	46.2	62.6	82.1	104	129	153	172	186	192
40	1.91	2.12	2.71	3.83	5.33	7.35	9.96	13.3	17.4	22.3	28.3	35.9	45.0	55.6	66.5	77.1	85.8	91.9	94.5
50	1.91	2.06	2.48	3.14	4.21	5.43	7.02	8.89	11.1	13.5	16.2	19.6	23.4	27.5	31.5	35.1	38.2	40.2	41.1
60	1.91	2.02	2.27	2.62	3.15	3.87	4.69	5.58	6.62	7.69	8.84	10.3	11.8	13.3	14.6	15.8	16.8	17.5	17.8
70	1.91	1.99	2.08	2.27	2.49	2.72	3.00	3.34	3.71	4.08	4.53	5.03	5.54	6.02	6.44	6.81	7.09	7.29	7.38
80	1.91	1.95	1.99	2.03	2.08	2.17	2.25	2.32	2.37	2.41	2.46	2.52	2.58	2.63	2.68	2.73	2.77	2.79	2.80
90	1.91	1.92	1.92	1.93	1.93	1.94	1.94	1.95	1.95	1.96	1.95	1.94	1.93	1.92	1.91	1.90	1.90	1.89	1.88
100	1.91	1.89	1.87	1.85	1.83	1.82	1.81	1.80	1.79	1.78	1.77	1.76	1.75	1.74	1.74	1.74	1.73	1.73	1.73
110	1.91	1.86	1.82	1.79	1.77	1.76	1.75	1.75	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.73	1.73	1.73
120	1.91	1.85	1.78	1.75	1.75	1.74	1.74	1.75	1.75	1.77	1.80	1.84	1.89	1.94	1.99	2.03	2.06	2.08	2.10
130	1.91	1.82	1.76	1.75	1.74	1.75	1.76	1.80	1.86	1.92	2.01	2.09	2.18	2.27	2.34	2.40	2.45	2.48	2.50
140	1.91	1.81	1.75	1.75	1.75	1.77	1.83	1.91	2.02	2.14	2.26	2.38	2.51	2.62	2.71	2.79	2.84	2.88	2.90
150	1.91	1.79	1.75	1.75	1.76	1.82	1.92	2.04	2.18	2.34	2.50	2.65	2.80	2.92	3.02	3.09	3.12	3.16	3.19
160	1.91	1.79	1.75	1.75	1.78	1.87	1.99	2.15	2.31	2.49	2.67	2.84	2.99	3.08	3.13	3.18	3.21	3.23	3.24
170	1.91	1.78	1.74	1.75	1.80	1.90	2.05	2.22	2.40	2.59	2.77	2.95	3.07	3.15	3.18	3.19	3.20	3.21	3.23
180	1.91	1.78	1.74	1.75	1.81	1.92	2.07	2.24	2.42	2.61	2.80	2.96	3.10	3.18	3.17	3.17	3.15	3.09	3.09

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-2200K-65D-Rev1	TYPE:2200K	WEIGHT:
SPEC.:65 DEG	DIM.:609MM	SERIAL No.:IES002960
MFR.:	SUR.:1	Shielding Angle:

Table--2																		UNIT: cd	
H(DEG) V(DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-180	2.80	2.59	2.37	2.14	1.92	1.70	1.48	1.28	1.10	0.94	0.81	0.69	0.59	0.52	0.47	0.42	0.39	0.39	
-170	2.50	2.38	2.21	2.05	1.85	1.65	1.44	1.25	1.07	0.92	0.79	0.69	0.59	0.52	0.47	0.43	0.39	0.39	
-160	2.05	2.02	1.94	1.82	1.66	1.47	1.31	1.14	0.99	0.86	0.75	0.66	0.58	0.52	0.47	0.43	0.39	0.39	
-150	1.66	1.63	1.56	1.47	1.37	1.24	1.11	0.99	0.88	0.78	0.69	0.62	0.56	0.51	0.46	0.42	0.39	0.39	
-140	1.26	1.24	1.19	1.14	1.07	0.99	0.91	0.83	0.76	0.69	0.63	0.58	0.53	0.49	0.45	0.42	0.39	0.39	
-130	0.92	0.91	0.88	0.85	0.81	0.77	0.73	0.69	0.65	0.61	0.58	0.54	0.51	0.47	0.44	0.41	0.39	0.39	
-120	0.66	0.66	0.65	0.65	0.64	0.62	0.61	0.59	0.57	0.55	0.52	0.50	0.47	0.45	0.43	0.40	0.39	0.39	
-110	0.52	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.50	0.49	0.47	0.45	0.43	0.41	0.40	0.39	0.39	
-100	0.44	0.45	0.45	0.45	0.46	0.47	0.47	0.47	0.47	0.46	0.45	0.43	0.42	0.41	0.40	0.40	0.39	0.39	
-90	0.40	0.40	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.40	0.40	0.40	0.39	0.39	0.39	
-80	1.35	1.31	1.26	1.18	1.10	1.00	0.91	0.80	0.70	0.65	0.59	0.56	0.53	0.50	0.46	0.42	0.40	0.39	
-70	6.15	5.93	5.60	5.20	4.75	4.25	3.72	3.18	2.69	2.26	1.83	1.46	1.10	0.82	0.63	0.52	0.41	0.39	
-60	17.4	16.5	15.3	13.9	12.4	10.8	9.16	7.61	6.31	5.15	4.05	3.05	2.25	1.58	0.98	0.64	0.46	0.39	
-50	43.6	40.8	37.0	32.5	27.8	23.2	18.9	15.3	12.3	9.59	7.27	5.36	3.72	2.50	1.56	0.83	0.51	0.39	
-40	103	95.8	85.1	72.4	59.4	46.9	36.2	27.7	21.0	15.9	11.6	8.18	5.57	3.50	2.14	1.07	0.56	0.39	
-30	198	183	162	138	112	87.3	65.1	46.9	33.1	23.4	16.7	11.4	7.46	4.66	2.67	1.35	0.61	0.39	
-20	273	250	225	199	173	138	102	70.6	47.5	31.6	21.4	14.5	9.25	5.65	3.10	1.58	0.65	0.39	
-10	324	294	274	253	222	181	134	91.5	59.9	38.6	25.0	16.8	10.6	6.33	3.41	1.75	0.67	0.39	
0	350	338	319	291	253	204	150	101	65.0	41.4	26.6	17.8	11.2	6.63	3.54	1.82	0.68	0.39	
10	352	360	335	298	249	194	140	93.4	60.9	39.2	25.5	17.1	10.8	6.48	3.51	1.82	0.71	0.39	
20	299	297	282	249	200	151	107	73.2	49.2	32.8	22.3	15.1	9.67	5.93	3.28	1.71	0.71	0.39	
30	195	188	173	150	122	93.5	69.0	49.6	35.1	24.9	17.8	12.2	8.04	5.06	2.93	1.54	0.71	0.39	
40	94.4	90.3	82.9	72.8	61.6	50.2	39.6	30.4	23.1	17.5	12.8	9.08	6.25	3.98	2.48	1.32	0.68	0.39	
50	40.9	39.4	36.8	33.4	29.5	25.5	21.5	17.7	14.2	11.1	8.50	6.32	4.44	3.04	1.98	1.13	0.66	0.39	
60	17.7	17.3	16.4	15.3	14.1	12.6	11.1	9.58	8.05	6.60	5.24	4.01	3.01	2.21	1.49	0.99	0.62	0.39	
70	7.35	7.22	6.99	6.67	6.28	5.84	5.33	4.81	4.23	3.58	3.00	2.48	1.99	1.56	1.19	0.87	0.58	0.39	
80	2.80	2.79	2.77	2.73	2.69	2.63	2.57	2.51	2.45	2.21	1.98	1.74	1.49	1.24	1.00	0.77	0.57	0.39	
90	1.89	1.90	1.91	1.92	1.93	1.95	1.96	1.97	1.98	1.80	1.63	1.45	1.27	1.09	0.92	0.74	0.56	0.39	
100	1.73	1.74	1.75	1.75	1.76	1.77	1.78	1.80	1.79	1.65	1.49	1.34	1.19	1.04	0.88	0.72	0.56	0.39	
110	1.81	1.81	1.80	1.79	1.78	1.78	1.77	1.77	1.72	1.58	1.43	1.28	1.14	0.99	0.84	0.70	0.55	0.39	
120	2.10	2.08	2.06	2.04	2.00	1.96	1.92	1.87	1.72	1.54	1.38	1.24	1.09	0.95	0.81	0.67	0.53	0.39	
130	2.49	2.46	2.43	2.38	2.32	2.25	2.17	2.01	1.78	1.57	1.37	1.19	1.05	0.91	0.77	0.64	0.51	0.39	
140	2.88	2.84	2.79	2.72	2.63	2.54	2.35	2.07	1.81	1.57	1.35	1.15	0.99	0.86	0.73	0.61	0.49	0.39	
150	3.16	3.12	3.07	2.99	2.89	2.65	2.34	2.05	1.78	1.52	1.30	1.10	0.93	0.79	0.67	0.57	0.47	0.39	
160	3.23	3.23	3.22	3.13	2.80	2.49	2.19	1.91	1.64	1.40	1.18	1.00	0.84	0.71	0.61	0.53	0.45	0.39	
170	3.21	3.20	2.96	2.71	2.45	2.17	1.90	1.65	1.41	1.21	1.02	0.87	0.72	0.62	0.54	0.48	0.42	0.39	
180	2.80	2.59	2.37	2.14	1.92	1.70	1.48	1.28	1.10	0.94	0.81	0.69	0.59	0.52	0.47	0.42	0.39	0.39	

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: