

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity (Luminaire orientation as tested.)	2589.6 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
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Beam Spread	At 10% of Imax	59.9V x 59.5H
	At 50% of Imax	30.5V x 30.4H
	At 90% of Imax	12.7V x 12.0H

Beam Flux	Total	1000.5 lumens per klm.
	To 10% of Imax	781.4 lumens per klm.
	To 50% of Imax	408.7 lumens per klm.
	To 90% of Imax	86.9 lumens per klm.

Upward LOR	2.3 %
Downward LOR	97.8 %

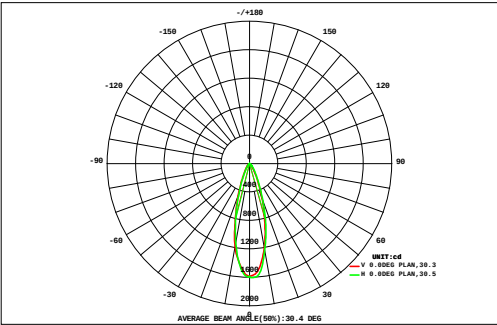
Luminaire Efficiency(Light Output Ratio)	100.0 %
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H_(b) Range:-90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-06-29

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 Mini-600mm-TW-2200K-30D-Rev1	TYPE:2200K	WEIGHT:
SPEC.:30 DEG	DIM.:600mm	SERIAL No.:IES002549
MFR.:	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:54.75lm/W	
MODEL		Imax(cd)	1602
NOMINAL POWER(W)	11.2	AVAILABILITY(%)	77.9
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	481.6
NOMINAL FLUX(lm)	618.6	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	618.6
TEST VOLTAGE(V)	220	q @50%(H,V)	30,30DEG

		AREA FLUX DIAGRAM															UNIT:lm			F t	F a
VERTICAL (DEG)	45	0.09	0.13	0.17	0.22	0.27	0.33	0.39	0.44	0.48	0.49	0.47	0.44	0.39	0.33	0.26	0.20	0.14	0.10	5.35	0.00
	40	0.12	0.16	0.23	0.30	0.38	0.47	0.56	0.65	0.71	0.73	0.70	0.64	0.56	0.46	0.36	0.27	0.19	0.13	7.58	0.00
	35	0.14	0.21	0.29	0.39	0.52	0.67	0.84	0.99	1.10	1.12	1.06	0.93	0.78	0.62	0.47	0.34	0.24	0.16	10.9	1.03
	30	0.18	0.26	0.37	0.52	0.72	0.98	1.30	1.60	1.80	1.81	1.65	1.40	1.11	0.83	0.61	0.43	0.30	0.20	16.1	9.60
	25	0.21	0.31	0.46	0.68	1.01	1.50	2.16	2.76	3.11	3.10	2.73	2.17	1.58	1.11	0.77	0.53	0.35	0.22	24.7	19.9
	20	0.24	0.37	0.56	0.87	1.40	2.27	3.47	4.60	5.29	5.30	4.55	3.37	2.26	1.47	0.95	0.61	0.39	0.24	38.2	34.1
	15	0.27	0.42	0.66	1.08	1.86	3.19	4.93	6.75	7.94	7.93	6.91	4.95	3.12	1.88	1.14	0.68	0.42	0.26	54.4	50.7
	10	0.30	0.47	0.75	1.27	2.28	3.98	6.29	9.07	10.7	10.2	8.63	6.41	4.03	2.34	1.30	0.74	0.43	0.26	69.5	66.1
	5	0.31	0.50	0.80	1.36	2.49	4.39	7.19	10.1	11.8	11.6	9.76	7.38	4.68	2.67	1.40	0.76	0.43	0.25	77.8	74.7
	0	0.31	0.50	0.80	1.36	2.47	4.38	7.28	9.88	11.5	11.6	9.95	7.18	4.62	2.63	1.36	0.72	0.41	0.24	77.1	73.9
	-5	0.29	0.47	0.75	1.25	2.21	3.89	6.45	8.61	9.72	9.65	8.04	5.87	3.88	2.21	1.16	0.64	0.37	0.22	65.7	62.3
	-10	0.27	0.42	0.67	1.07	1.78	2.93	4.54	6.19	7.06	6.80	5.67	4.32	2.86	1.64	0.91	0.53	0.32	0.20	48.2	44.5
	-15	0.24	0.37	0.56	0.86	1.32	2.00	2.84	3.72	4.32	4.27	3.65	2.76	1.85	1.12	0.67	0.42	0.26	0.17	31.4	27.1
	-20	0.20	0.30	0.45	0.66	0.95	1.32	1.75	2.16	2.42	2.40	2.08	1.59	1.13	0.76	0.49	0.32	0.21	0.14	19.3	14.0
	-25	0.16	0.24	0.35	0.49	0.67	0.88	1.09	1.27	1.35	1.32	1.17	0.94	0.70	0.51	0.36	0.24	0.17	0.11	12.0	3.62
	-30	0.12	0.19	0.27	0.36	0.47	0.59	0.69	0.77	0.81	0.78	0.69	0.57	0.45	0.34	0.25	0.18	0.13	0.09	7.76	0.00
-35	0.09	0.14	0.19	0.26	0.33	0.39	0.45	0.49	0.50	0.49	0.44	0.37	0.30	0.23	0.18	0.14	0.10	0.07	5.16	0.00	
-40	0.06	0.10	0.14	0.18	0.22	0.26	0.30	0.32	0.33	0.31	0.28	0.25	0.20	0.16	0.13	0.10	0.07	0.05	3.46	0.00	
-45		-45	-40	-35	-30	-25	-20	-15	-10	HORIZONTAL (DEG)				10	15	20	25	30	35	40	45
F t	3.60	5.54	8.47	13.2	21.3	34.4	52.5	70.4	81.0	79.9	68.4	51.5	34.5	21.3	12.8	7.85	4.94	3.11	575	---	
F a	0.00	0.00	0.00	5.84	16.0	29.7	48.2	66.3	76.9	75.9	64.4	47.3	29.8	15.8	5.47	0.00	0.00	0.00	---	482	

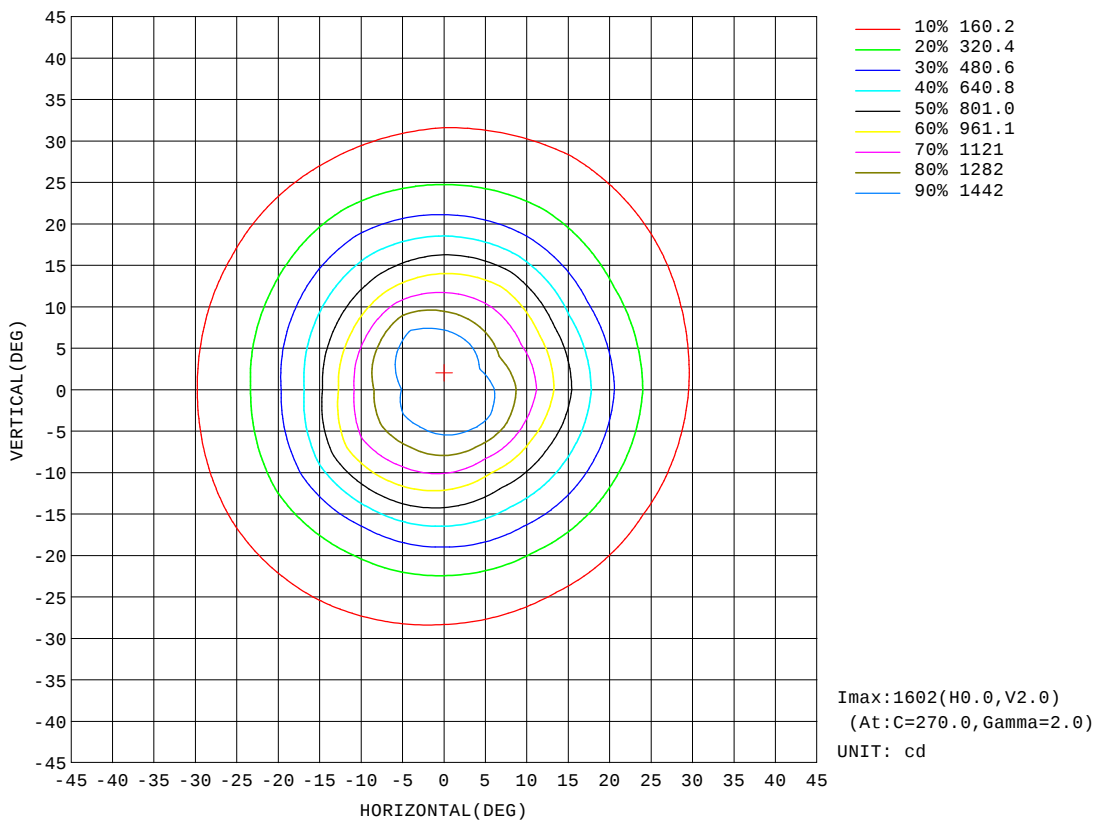
one-half-peak spread: U:16.3,D:14.4 , L:14.9,R:15.7 NEMA Beam Type: Type 4

H_(b) Range:-90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-06-29

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

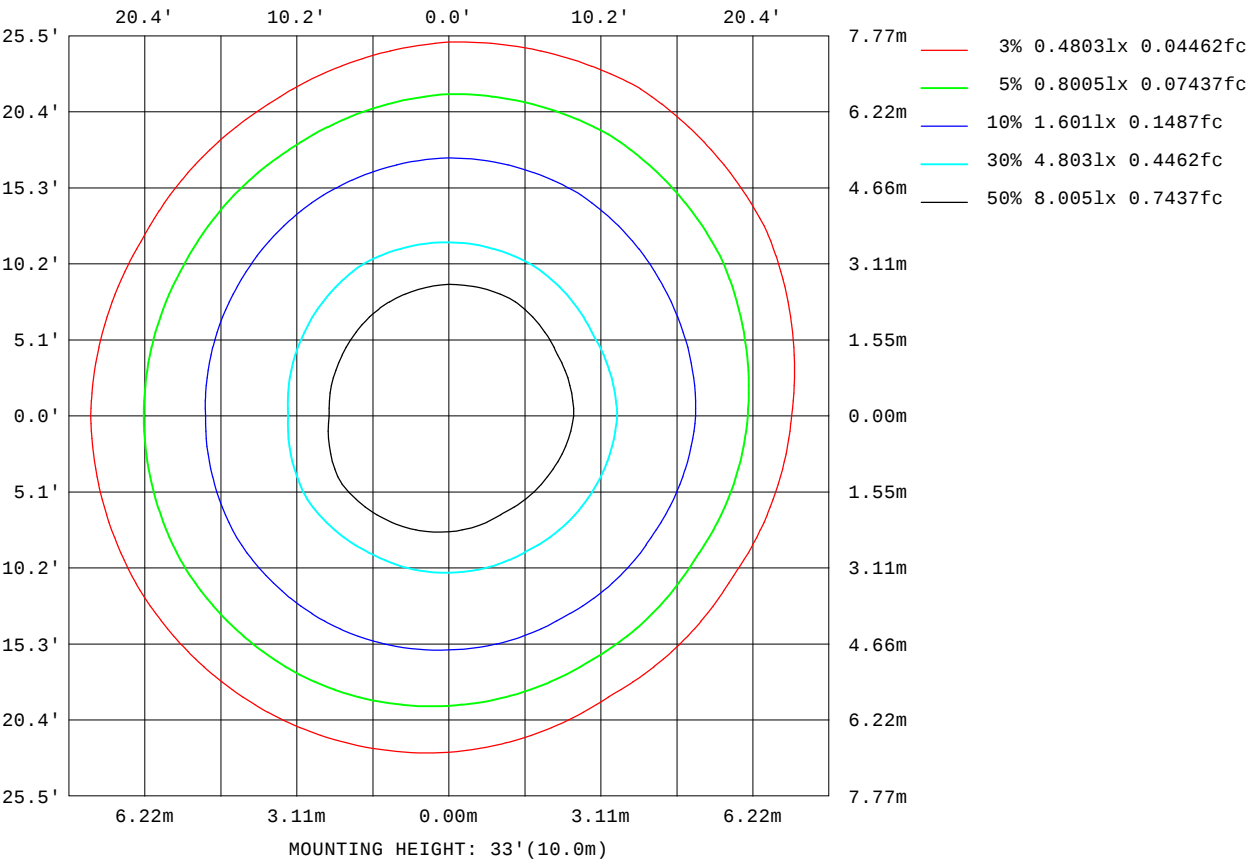
NAME:Blazeline Mini-600mm-TW-2200K-30D-Rev1	TYPE:2200K	WEIGHT:
SPEC.:30 DEG	DIM.:600mm	SERIAL No.:IES002549
MFR.:	SUR.:	Shielding Angle:



H _(b) Range:-90 - 90DEG	V(B) Range:-180 - 180DEG
H _(b) Interval: 0.5DEG	V(B) Interval: 0.5DEG
Test Speed: HIGH	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:2024-06-29	Remarks:

ISOLUX DIAGRAM

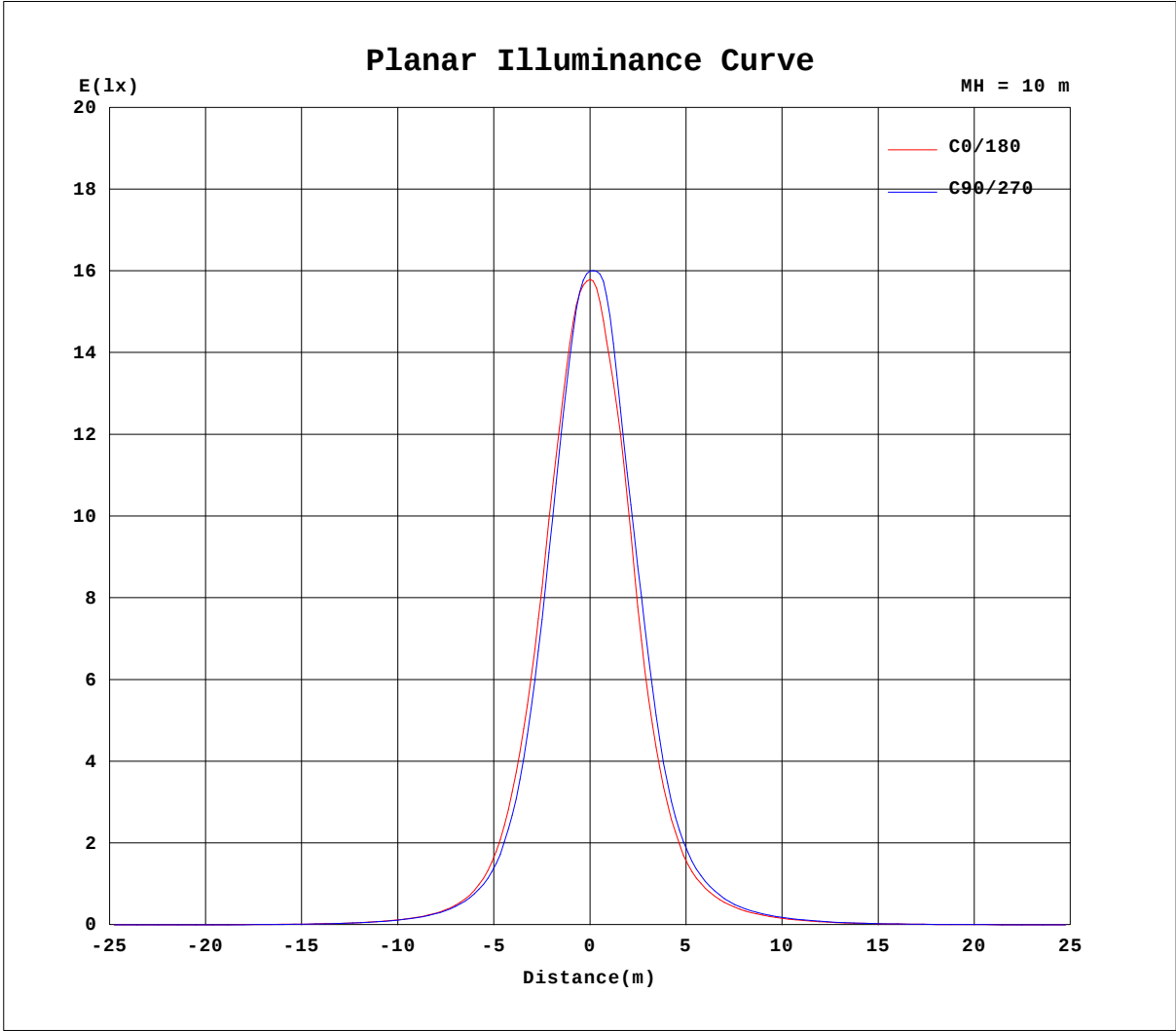
NAME:Blazeline Mini-600mm-TW-2200K-30D-Rev1	TYPE:2200K	WEIGHT:
SPEC.:30 DEG	DIM.:600mm	SERIAL No.:IES002549
MFR.:	SUR.:	Shielding Angle:



H_(b) Range: -90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2024-06-29

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

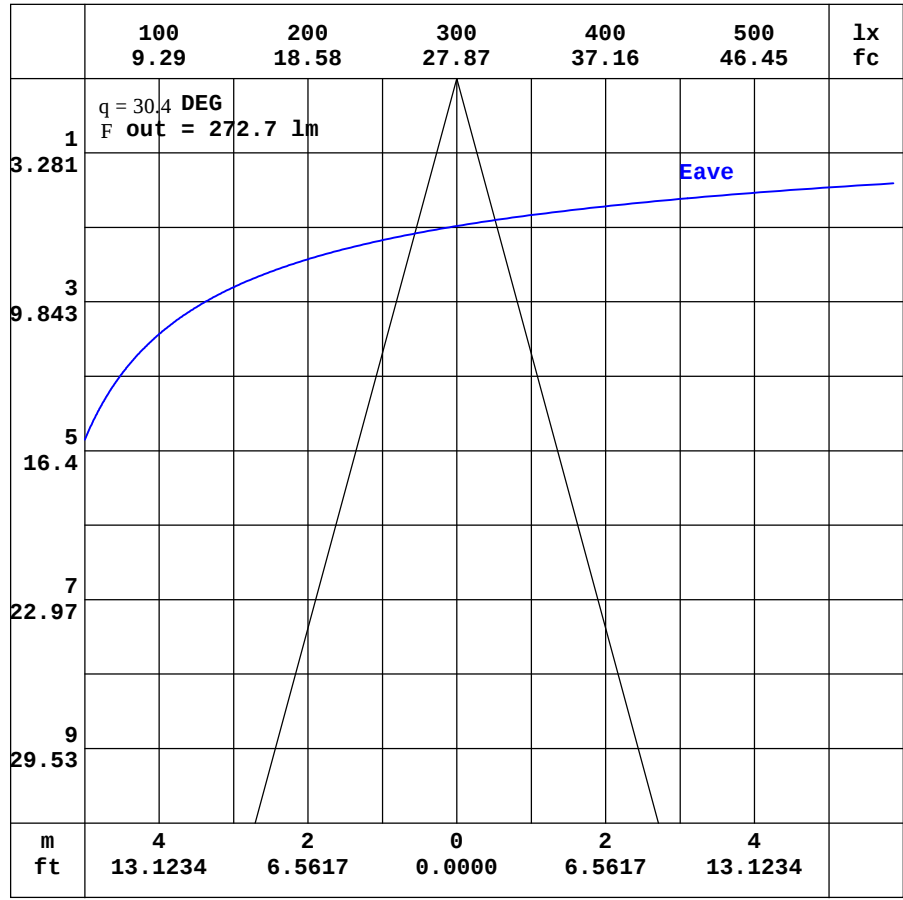


H_b Range: -90 - 90DEG
H_b Interval: 0.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2024-06-29

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 Mini-600mm-TW-2200K-30D-Rev1	TYPE:2200K	WEIGHT:
SPEC.:30 DEG	DIM.:600mm	SERIAL No.:IES002549
MFR.:	SUR.:	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: HIGH	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:2024-06-29	Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME:Blazeline Mini-600mm-TW-2200K-30D-Rev1	TYPE:2200K	WEIGHT:
SPEC.:30 DEG	DIM.:600mm	SERIAL No.:IES002549
MFR.:	SUR.:	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	2.28	2.06	1.91	1.86	1.89	2.03	2.33	2.78	3.33	3.91	4.41	4.76	4.96	4.97	4.92	4.79	4.62	4.48	4.73
-170	2.28	2.03	1.86	1.78	1.77	1.84	2.02	2.29	2.63	2.97	3.28	3.48	3.61	3.64	3.63	3.71	3.96	4.16	4.28
-160	2.28	2.01	1.81	1.70	1.65	1.64	1.70	1.79	1.91	2.01	2.09	2.12	2.16	2.58	2.98	3.32	3.60	3.77	3.86
-150	2.28	1.99	1.78	1.63	1.55	1.47	1.42	1.38	1.30	1.20	1.12	1.35	1.62	1.92	2.22	2.49	2.71	2.85	2.92
-140	2.28	1.98	1.75	1.58	1.46	1.34	1.22	1.09	0.94	0.86	0.90	0.98	1.11	1.26	1.42	1.57	1.70	1.78	1.82
-130	2.28	1.98	1.74	1.55	1.39	1.27	1.12	0.96	0.86	0.86	0.85	0.84	0.84	0.85	0.90	0.95	1.00	1.03	1.04
-120	2.28	1.98	1.73	1.54	1.36	1.20	1.06	0.95	0.94	0.92	0.90	0.88	0.87	0.85	0.83	0.82	0.81	0.81	0.80
-110	2.28	1.99	1.75	1.53	1.35	1.17	1.01	0.97	0.97	0.97	0.97	0.98	0.99	0.97	0.95	0.93	0.92	0.90	0.89
-100	2.28	2.01	1.76	1.54	1.33	1.14	0.95	0.95	0.96	0.97	0.97	0.98	0.98	0.99	0.99	0.99	0.99	0.99	0.99
-90	2.28	2.04	1.80	1.57	1.33	1.09	0.86	0.85	0.85	0.85	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.85	0.85
-80	2.28	2.07	1.85	1.63	1.41	1.15	0.84	0.82	0.83	0.85	0.87	0.89	0.91	0.92	0.93	0.94	0.95	0.95	0.95
-70	2.28	2.12	2.01	1.88	1.65	1.40	1.12	1.08	1.19	1.30	1.43	1.55	1.68	1.81	1.95	2.08	2.19	2.26	2.31
-60	2.28	2.19	2.24	2.14	2.05	1.91	1.73	1.67	2.01	2.42	2.91	3.52	4.25	5.02	5.78	6.45	6.95	7.22	7.28
-50	2.28	2.30	2.43	2.52	2.58	2.64	2.75	2.95	3.70	5.14	7.19	9.64	12.3	15.1	17.5	19.5	20.9	21.6	21.5
-40	2.28	2.46	2.67	2.95	3.22	3.62	4.28	5.45	7.57	11.2	16.1	22.0	28.5	35.2	41.6	46.9	50.7	52.6	52.1
-30	2.28	2.58	2.94	3.38	3.94	4.84	6.44	9.47	14.2	20.7	29.7	41.1	54.7	70.5	88.4	107	124	134	134
-20	2.28	2.67	3.19	3.83	4.70	6.21	9.05	14.3	21.3	31.7	46.1	65.8	93.7	133	187	260	335	403	428
-10	2.28	2.76	3.40	4.23	5.41	7.48	11.6	18.3	27.3	41.0	60.7	89.9	137	217	365	601	892	1078	1132
0	2.28	2.82	3.58	4.55	5.95	8.40	13.2	20.6	30.4	45.6	67.5	101	157	266	462	773	1185	1446	1580
10	2.28	2.81	3.54	4.49	5.84	8.15	12.4	19.3	28.2	41.8	60.9	89.6	137	223	385	622	902	1189	1240
20	2.28	2.78	3.46	4.34	5.53	7.48	10.8	16.3	23.5	33.6	47.3	66.0	93.2	137	205	309	429	514	545
30	2.28	2.74	3.33	4.10	5.08	6.55	8.83	12.4	17.5	24.1	32.8	44.0	58.1	75.9	97.8	124	152	174	186
40	2.28	2.66	3.16	3.81	4.55	5.57	7.03	9.07	11.9	15.8	20.9	27.0	34.0	41.6	49.5	58.4	66.6	73.4	77.5
50	2.28	2.53	2.98	3.47	4.02	4.67	5.53	6.63	8.06	9.86	12.2	15.0	18.1	21.4	24.9	28.2	31.2	33.5	34.9
60	2.28	2.45	2.82	3.12	3.49	3.90	4.35	4.89	5.55	6.29	7.14	8.07	9.10	10.2	11.2	12.2	13.1	13.7	14.0
70	2.28	2.39	2.60	2.83	3.01	3.23	3.46	3.71	3.97	4.25	4.53	4.83	5.13	5.41	5.67	5.89	6.07	6.18	6.24
80	2.28	2.35	2.42	2.52	2.64	2.74	2.82	2.89	2.97	3.04	3.11	3.19	3.25	3.32	3.38	3.43	3.47	3.49	3.50
90	2.28	2.30	2.33	2.36	2.39	2.42	2.45	2.45	2.44	2.43	2.42	2.42	2.41	2.41	2.40	2.40	2.39	2.39	2.38
100	2.28	2.26	2.25	2.24	2.22	2.21	2.20	2.16	2.12	2.08	2.04	2.00	1.97	1.95	1.95	1.94	1.94	1.95	1.95
110	2.28	2.22	2.17	2.12	2.08	2.04	2.01	1.94	1.89	1.85	1.83	1.82	1.81	1.81	1.81	1.82	1.82	1.82	1.82
120	2.28	2.19	2.10	2.03	1.97	1.90	1.88	1.85	1.84	1.84	1.85	1.89	1.95	1.99	2.04	2.08	2.11	2.13	2.13
130	2.28	2.15	2.04	1.96	1.89	1.86	1.85	1.85	1.90	2.01	2.15	2.31	2.47	2.63	2.79	2.93	3.04	3.10	3.12
140	2.28	2.12	2.00	1.90	1.86	1.86	1.88	1.99	2.17	2.41	2.70	3.03	3.34	3.63	3.88	4.08	4.23	4.32	4.35
150	2.28	2.10	1.96	1.87	1.86	1.89	2.00	2.23	2.55	2.94	3.38	3.80	4.20	4.52	4.78	4.98	5.09	5.15	5.17
160	2.28	2.08	1.94	1.86	1.86	1.94	2.15	2.48	2.93	3.44	3.94	4.39	4.73	4.99	5.17	5.31	5.38	5.42	5.48
170	2.28	2.07	1.92	1.86	1.88	2.00	2.27	2.68	3.21	3.77	4.29	4.68	4.95	5.07	5.11	5.09	5.05	5.06	5.18
180	2.28	2.06	1.91	1.86	1.89	2.03	2.33	2.78	3.33	3.91	4.41	4.76	4.96	4.97	4.92	4.79	4.62	4.48	4.78

H_(b) Range:-90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-06-29

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 Mini-600mm-TW-2200K-30D-Rev1	TYPE:2200K	WEIGHT:
SPEC.:30 DEG	DIM.:600mm	SERIAL No.:IES002549
MFR.:	SUR.:	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	4.09	3.88	3.66	3.36	2.96	2.52	2.06	1.62	1.24	0.98	0.85	0.85	0.90	0.96	0.96	0.95	0.86	0.75
-170	4.06	3.91	3.69	3.35	2.96	2.51	2.04	1.59	1.22	0.97	0.85	0.85	0.89	0.96	0.96	0.94	0.86	0.75
-160	3.75	3.58	3.32	2.99	2.61	2.21	1.78	1.40	1.10	0.91	0.84	0.85	0.90	0.95	0.96	0.94	0.86	0.75
-150	2.86	2.72	2.51	2.24	1.94	1.64	1.36	1.12	0.94	0.85	0.83	0.85	0.92	0.95	0.96	0.93	0.85	0.75
-140	1.78	1.70	1.57	1.41	1.26	1.10	0.97	0.88	0.83	0.82	0.83	0.88	0.94	0.96	0.96	0.93	0.84	0.75
-130	1.03	0.99	0.94	0.88	0.83	0.81	0.81	0.81	0.82	0.84	0.87	0.93	0.95	0.96	0.95	0.91	0.83	0.75
-120	0.80	0.80	0.80	0.80	0.82	0.83	0.85	0.87	0.89	0.93	0.94	0.96	0.96	0.96	0.93	0.88	0.80	0.75
-110	0.90	0.91	0.92	0.94	0.95	0.97	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.94	0.90	0.85	0.79
-100	0.99	0.98	0.98	0.98	0.98	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.91	0.88	0.84	0.80	0.78	0.75
-90	0.84	0.83	0.82	0.81	0.80	0.79	0.80	0.81	0.81	0.82	0.82	0.83	0.82	0.80	0.79	0.78	0.77	0.75
-80	0.94	0.92	0.91	0.88	0.86	0.84	0.83	0.82	0.80	0.79	0.79	0.79	0.80	0.81	0.82	0.81	0.76	0.75
-70	2.23	2.13	2.00	1.84	1.68	1.55	1.45	1.34	1.23	1.12	1.03	0.95	0.91	0.87	0.84	0.83	0.81	0.75
-60	6.98	6.50	5.87	5.16	4.41	3.79	3.26	2.79	2.36	1.98	1.64	1.36	1.17	1.05	0.95	0.86	0.83	0.75
-50	20.3	18.4	16.2	13.8	11.5	9.59	7.73	6.06	4.68	3.58	2.74	2.07	1.58	1.27	1.09	0.93	0.84	0.75
-40	48.6	43.2	36.8	30.1	25.1	20.4	16.0	12.1	8.79	6.29	4.48	3.10	2.15	1.54	1.23	1.01	0.85	0.75
-30	126	107	85.4	66.8	51.0	38.2	28.3	20.7	14.9	10.5	7.13	4.52	2.84	1.86	1.36	1.09	0.86	0.75
-20	399	323	237	160	104	68.5	46.7	32.6	22.7	15.3	10.2	6.23	3.58	2.17	1.48	1.15	0.87	0.75
-10	997	796	577	362	201	116	71.1	45.7	30.2	19.6	12.6	7.84	4.23	2.41	1.57	1.19	0.88	0.75
0	1493	1200	831	511	281	152	87.6	54.3	34.8	22.2	14.0	8.74	4.56	2.51	1.61	1.22	0.89	0.75
10	1140	929	617	384	230	140	87.6	56.9	37.1	23.7	14.9	9.06	4.93	2.85	1.84	1.34	0.94	0.75
20	505	416	308	215	152	105	73.4	50.3	33.7	21.8	13.9	8.34	4.86	3.00	1.99	1.42	0.98	0.75
30	180	163	141	114	89.6	68.9	52.0	38.2	26.3	17.5	11.3	7.11	4.53	2.99	2.08	1.48	1.02	0.75
40	77.1	73.5	67.6	60.0	50.2	40.5	31.5	23.8	17.3	12.3	8.47	5.85	4.09	2.88	2.08	1.49	1.04	0.75
50	34.8	33.6	31.4	28.4	24.8	20.5	16.5	13.0	10.2	8.13	6.40	4.84	3.62	2.71	2.02	1.46	1.07	0.75
60	13.9	13.5	12.7	11.7	10.6	9.39	8.20	7.19	6.30	5.54	4.87	3.99	3.16	2.48	1.90	1.42	1.08	0.75
70	6.19	6.07	5.91	5.69	5.43	5.14	4.82	4.52	4.22	3.93	3.65	3.28	2.71	2.20	1.76	1.39	1.06	0.75
80	3.48	3.45	3.41	3.35	3.28	3.20	3.12	3.04	2.96	2.88	2.80	2.70	2.33	1.99	1.66	1.34	1.02	0.75
90	2.37	2.36	2.35	2.34	2.33	2.32	2.33	2.33	2.33	2.33	2.33	2.33	2.07	1.80	1.54	1.28	1.02	0.75
100	1.94	1.94	1.93	1.93	1.94	1.94	1.96	1.99	2.01	2.04	2.07	2.09	1.90	1.70	1.49	1.26	1.01	0.75
110	1.82	1.83	1.83	1.83	1.83	1.83	1.84	1.84	1.85	1.87	1.91	1.90	1.77	1.62	1.44	1.24	1.00	0.75
120	2.14	2.14	2.12	2.08	2.05	1.99	1.93	1.88	1.85	1.85	1.86	1.76	1.65	1.53	1.39	1.22	1.00	0.75
130	3.12	3.08	2.99	2.87	2.73	2.56	2.39	2.22	2.07	1.95	1.81	1.67	1.55	1.44	1.33	1.19	0.99	0.75
140	4.34	4.26	4.14	3.95	3.72	3.44	3.13	2.81	2.50	2.16	1.80	1.58	1.46	1.36	1.27	1.15	0.98	0.75
150	5.16	5.10	5.00	4.82	4.57	4.26	3.89	3.48	2.79	2.18	1.76	1.49	1.35	1.27	1.20	1.10	0.95	0.75
160	5.44	5.40	5.34	5.21	5.03	4.79	4.08	3.31	2.59	1.99	1.58	1.34	1.22	1.17	1.12	1.05	0.92	0.75
170	5.11	5.17	5.20	4.90	4.42	3.86	3.24	2.62	2.04	1.58	1.27	1.12	1.07	1.07	1.04	1.00	0.89	0.75
180	4.09	3.88	3.66	3.36	2.96	2.52	2.06	1.62	1.24	0.98	0.85	0.85	0.90	0.96	0.96	0.95	0.86	0.75

H_(b) Range:-90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-06-29

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: