

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity (Luminaire orientation as tested.)	813.7 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
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Beam Spread	At 10% of Imax	107.4V x 106.6H
	At 50% of Imax	65.4V x 64.0H
	At 90% of Imax	29.9V x 29.0H

Beam Flux	Total	1000.2 lumens per klm.
	To 10% of Imax	890.3 lumens per klm.
	To 50% of Imax	580.5 lumens per klm.
	To 90% of Imax	160.5 lumens per klm.

Upward LOR	2.3 %
Downward LOR	97.7 %

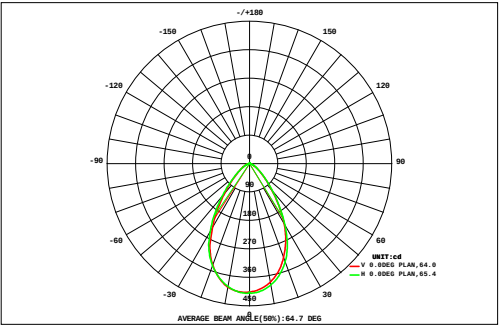
Luminaire Efficiency(Light Output Ratio)	100.0 %
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H_(b) Range:-90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-06-26

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-1800K-60D-Rev1	TYPE:1800K	WEIGHT:
SPEC.:60 DEG	DIM.:600MM	SERIAL No.:IES002520
MFR.:	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:46.60lm/W	
MODEL		Imax(cd)	420.8
NOMINAL POWER(W)	11.1	AVAILABILITY(%)	89.1
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	460.7
NOMINAL FLUX(lm)	517.2	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	517.2
TEST VOLTAGE(V)	220	q @50%(H,V)	64,65DEG

AREA FLUX DIAGRAM																	UNIT:lm			F t	F a
VERTICAL (DEG)	90	0.01	0.02	0.03	0.04	0.06	0.07	0.07	0.08	0.08	0.08	0.07	0.06	0.05	0.04	0.03	0.01	0.00	0.90	0.00	
	80	0.01	0.02	0.04	0.06	0.09	0.12	0.15	0.18	0.20	0.20	0.18	0.15	0.12	0.09	0.06	0.03	0.01	0.00	1.70	0.00
	70	0.01	0.02	0.05	0.10	0.17	0.26	0.35	0.44	0.49	0.50	0.45	0.36	0.27	0.18	0.10	0.05	0.02	0.00	3.84	0.00
	60	0.01	0.03	0.08	0.17	0.32	0.50	0.71	0.92	1.07	1.09	0.97	0.76	0.52	0.32	0.17	0.07	0.02	0.00	7.76	1.03
	50	0.01	0.04	0.11	0.26	0.51	0.87	1.36	1.90	2.31	2.39	2.09	1.53	0.95	0.53	0.26	0.10	0.03	0.00	15.3	11.7
	40	0.01	0.04	0.15	0.37	0.77	1.48	2.55	3.79	4.80	5.05	4.34	2.94	1.65	0.82	0.36	0.14	0.03	0.00	29.3	27.0
	30	0.01	0.05	0.19	0.49	1.11	2.36	4.33	6.38	8.04	8.70	7.64	5.02	2.61	1.16	0.47	0.17	0.04	0.00	48.8	47.0
	20	0.01	0.06	0.22	0.61	1.50	3.40	6.09	8.49	10.3	11.4	10.3	7.00	3.57	1.47	0.55	0.19	0.04	0.00	65.2	63.7
	10	0.01	0.06	0.24	0.68	1.79	4.22	7.58	10.1	11.7	12.2	10.8	7.63	4.07	1.65	0.59	0.20	0.04	0.00	73.7	72.3
	0	0.01	0.06	0.24	0.70	1.88	4.56	8.52	11.6	12.5	11.6	9.71	7.04	3.91	1.61	0.58	0.20	0.04	0.00	74.8	73.4
	-10	0.01	0.06	0.22	0.64	1.72	4.23	8.24	11.4	12.0	10.4	8.25	5.81	3.21	1.37	0.52	0.18	0.04	0.00	68.2	66.8
	-20	0.01	0.05	0.19	0.52	1.35	3.20	6.11	9.01	9.62	8.44	6.51	4.33	2.28	1.03	0.42	0.15	0.04	0.00	53.3	51.6
-30	0.01	0.04	0.14	0.39	0.91	1.95	3.60	5.32	5.95	5.43	4.11	2.63	1.44	0.70	0.32	0.12	0.03	0.00	33.1	30.9	
-40	0.01	0.03	0.10	0.26	0.55	1.05	1.76	2.46	2.82	2.65	2.05	1.37	0.82	0.45	0.22	0.09	0.02	0.00	16.7	13.5	
-50	0.01	0.02	0.07	0.15	0.31	0.53	0.80	1.05	1.20	1.15	0.93	0.67	0.45	0.27	0.14	0.06	0.02	0.00	7.81	1.71	
-60	0.01	0.02	0.04	0.08	0.15	0.24	0.35	0.44	0.50	0.48	0.41	0.31	0.22	0.14	0.07	0.03	0.01	0.00	3.48	0.00	
-70	0.01	0.01	0.02	0.03	0.05	0.08	0.12	0.15	0.17	0.16	0.14	0.11	0.07	0.05	0.03	0.01	0.01	0.00	1.21	0.00	
-80	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.02	0.02	0.01	0.01	0.01	0.00	0.00	0.29	0.00	
-90	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL(DEG)				20	30	40	50	60	70	80	90	
F t	0.13	0.66	2.15	5.57	13.2	29.1	52.7	73.8	83.8	82.0	68.9	47.8	26.3	11.9	4.94	1.83	0.46	0.05	505	---	
F a	0.00	0.00	0.00	1.05	9.80	26.1	49.8	70.9	81.0	79.2	66.1	44.9	23.1	8.22	0.37	0.00	0.00	0.00	---	461	

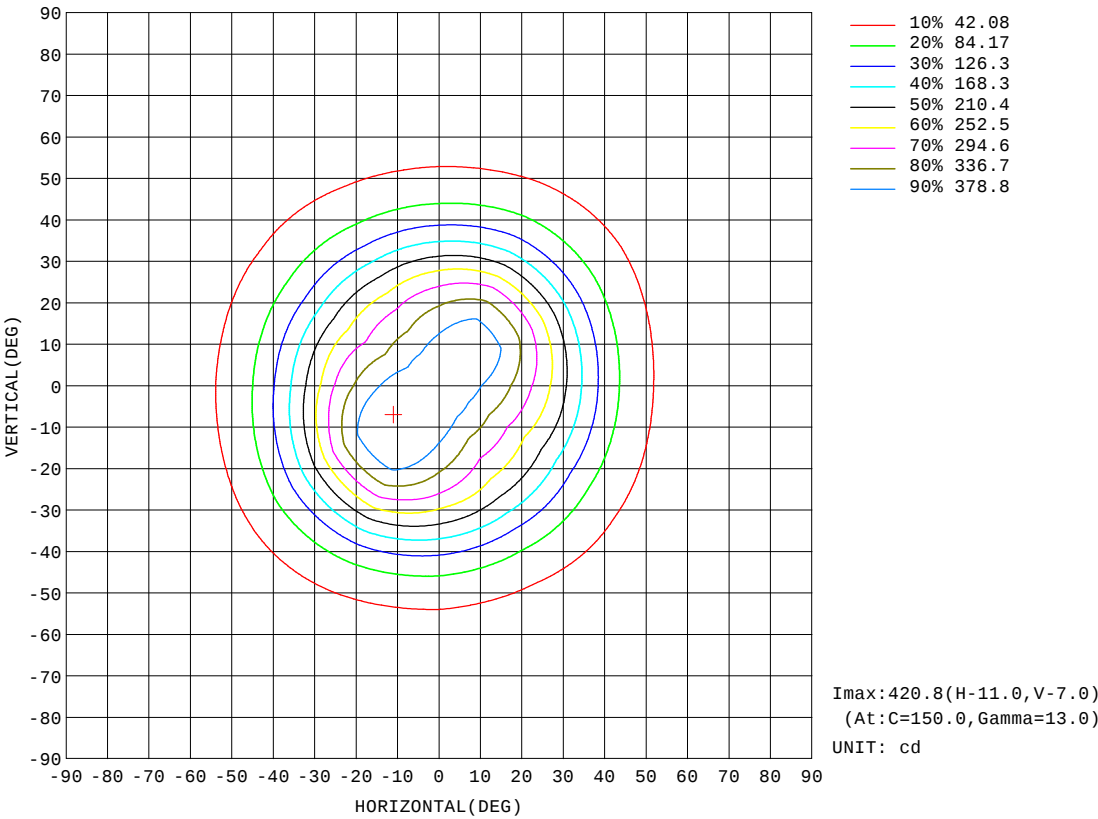
one-half-peak spread: U:33.0,D:32.8 , L:29.9,R:34.5 NEMA Beam Type: Type 6

H_(b) Range:-90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-06-26

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-1800K-60D-Rev1	TYPE:1800K	WEIGHT:
SPEC.:60 DEG	DIM.:600MM	SERIAL No.:IES002520
MFR.:	SUR.:	Shielding Angle:

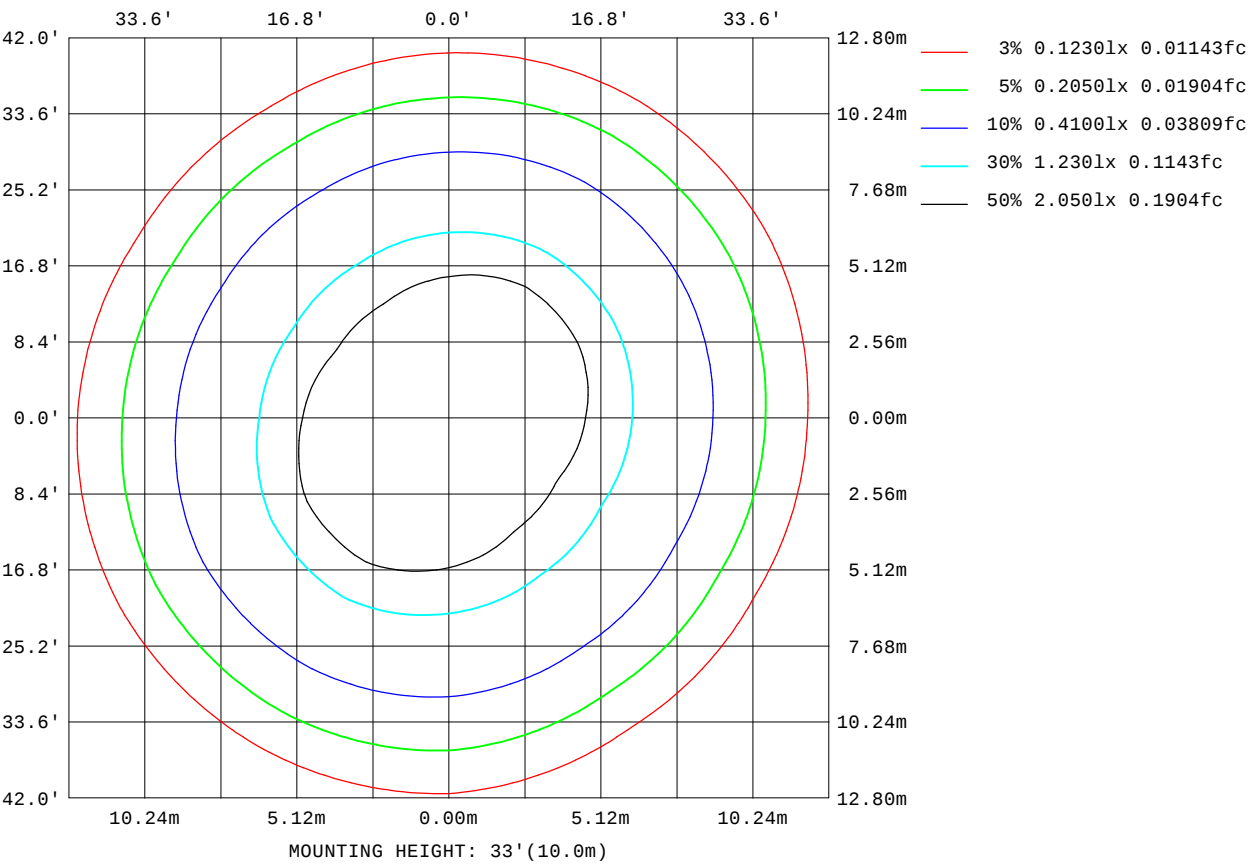


H_(b) Range:-90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-06-26

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

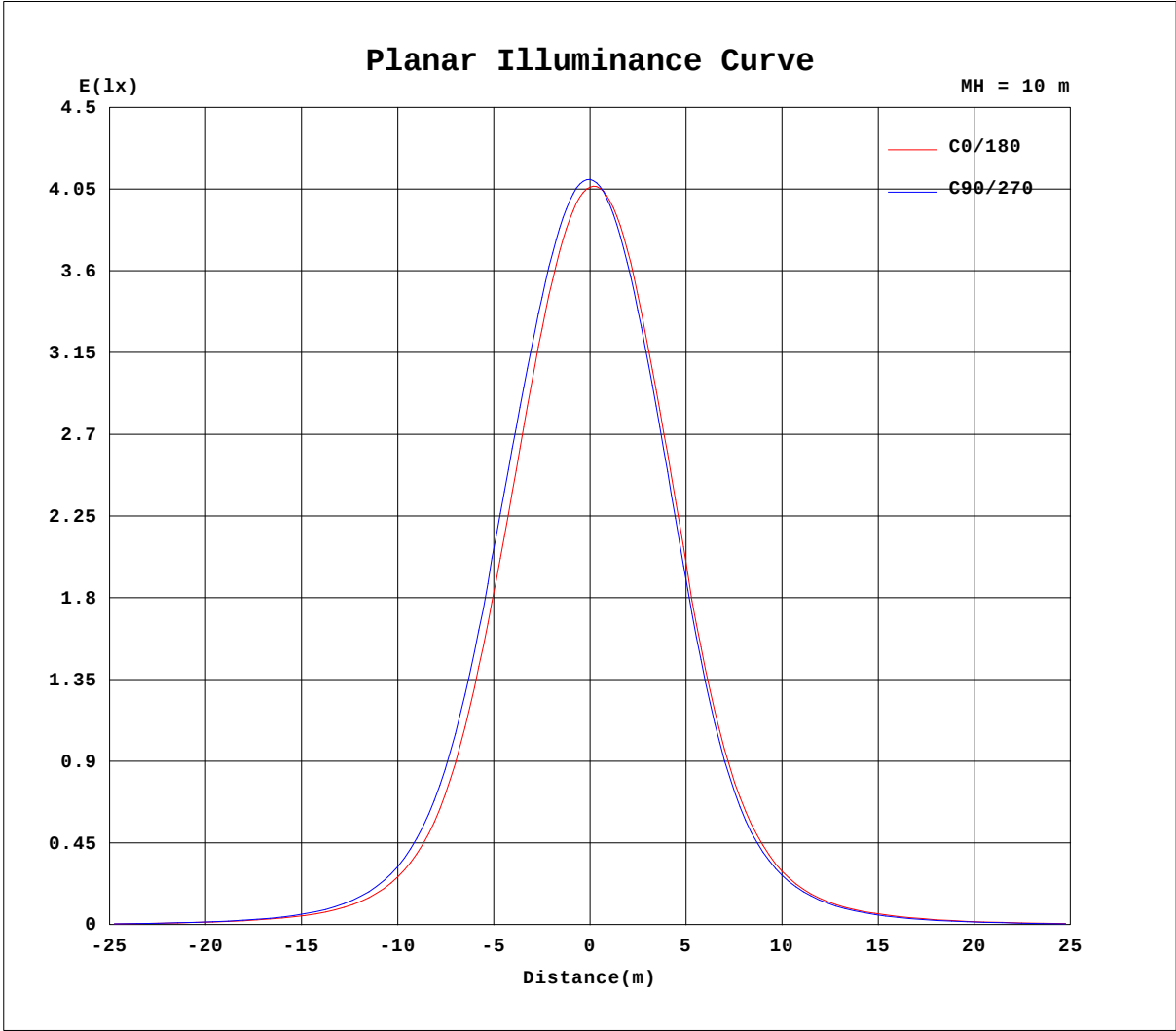
NAME:Blazeline Mini-600mm-TW-1800K-60D-Rev1	TYPE:1800K	WEIGHT:
SPEC.:60 DEG	DIM.:600MM	SERIAL No.:IES002520
MFR.:	SUR.:	Shielding Angle:



H_(b) Range:-90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-06-26

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

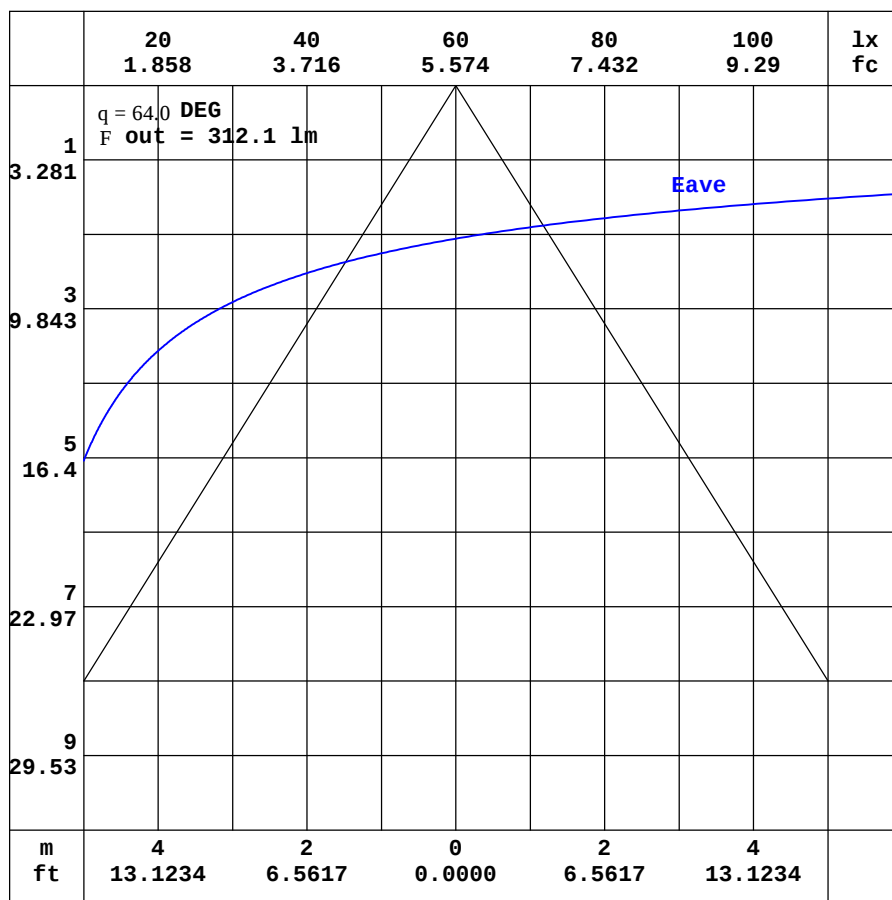


H(b) Range: -90 - 90DEG
H(b) Interval: 0.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2024-06-26

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-1800K-60D-Rev1	TYPE:1800K	WEIGHT:
SPEC.:60 DEG	DIM.:600MM	SERIAL No.:IES002520
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
H_(b) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-06-26

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-1800K-60D-Rev1	TYPE:1800K	WEIGHT:
SPEC.:60 DEG	DIM.:600MM	SERIAL No.:IES002520
MFR.:	SUR.:	Shielding Angle:

Table--1																	UNIT: cd		
H(DEG) V(DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-180	2.28	2.10	2.01	2.01	2.06	2.18	2.34	2.55	2.77	3.00	3.22	3.43	3.61	3.71	3.75	3.72	3.69	3.63	3.62
-170	2.28	2.06	1.93	1.89	1.89	1.95	2.05	2.17	2.30	2.43	2.53	2.60	2.63	2.65	2.59	2.61	2.80	2.97	3.10
-160	2.28	2.02	1.85	1.77	1.72	1.72	1.74	1.78	1.81	1.84	1.83	1.79	1.73	1.89	2.08	2.22	2.34	2.44	2.49
-150	2.28	2.00	1.77	1.65	1.56	1.49	1.45	1.41	1.35	1.28	1.24	1.37	1.49	1.61	1.72	1.82	1.91	1.97	2.00
-140	2.28	1.98	1.72	1.55	1.41	1.28	1.18	1.08	0.96	0.96	1.04	1.13	1.22	1.30	1.38	1.44	1.49	1.53	1.55
-130	2.28	1.95	1.68	1.45	1.28	1.11	0.95	0.80	0.77	0.81	0.86	0.91	0.96	1.00	1.06	1.10	1.13	1.15	1.15
-120	2.28	1.95	1.65	1.40	1.17	0.97	0.78	0.64	0.66	0.69	0.71	0.73	0.75	0.77	0.80	0.82	0.84	0.85	0.86
-110	2.28	1.95	1.65	1.37	1.11	0.87	0.64	0.58	0.58	0.59	0.60	0.60	0.61	0.63	0.63	0.65	0.66	0.66	0.67
-100	2.28	1.96	1.67	1.38	1.10	0.84	0.57	0.55	0.55	0.55	0.54	0.54	0.54	0.55	0.55	0.55	0.56	0.56	0.57
-90	2.28	2.00	1.71	1.42	1.13	0.84	0.55	0.55	0.54	0.54	0.54	0.54	0.53	0.52	0.52	0.51	0.50	0.49	0.48
-80	2.28	2.03	1.77	1.53	1.30	1.07	0.83	0.92	1.03	1.14	1.27	1.40	1.53	1.69	1.87	2.03	2.16	2.26	2.33
-70	2.28	2.08	1.97	1.93	1.93	1.96	2.10	2.62	3.39	4.18	5.04	5.89	6.69	7.47	8.22	8.87	9.39	9.76	9.97
-60	2.28	2.17	2.30	2.54	2.98	3.74	4.72	6.14	8.07	10.1	12.2	14.4	16.7	18.9	21.0	22.7	24.1	24.9	25.2
-50	2.28	2.29	2.68	3.35	4.56	6.26	8.56	11.3	14.7	18.9	23.8	29.4	35.6	42.2	48.3	53.5	57.3	59.4	59.5
-40	2.28	2.46	3.10	4.35	6.39	9.25	13.0	17.8	23.8	32.2	43.1	56.7	72.8	90.6	109	124	134	138	136
-30	2.28	2.60	3.52	5.37	8.23	12.4	17.9	25.3	35.5	50.6	72.5	100	135	174	214	248	261	261	250
-20	2.28	2.73	3.92	6.30	9.86	15.2	22.4	32.5	46.9	69.6	103	150	207	267	323	363	381	368	344
-10	2.28	2.83	4.24	7.01	11.1	17.4	25.9	37.4	54.6	82.5	124	179	246	317	375	412	420	416	395
0	2.28	2.91	4.45	7.40	11.7	18.4	27.5	39.0	56.1	83.8	124	176	236	297	341	374	397	406	406
10	2.28	2.89	4.35	7.14	11.2	17.4	25.7	36.2	51.2	75.1	109	154	204	252	287	314	343	366	390
20	2.28	2.84	4.13	6.57	10.1	15.4	22.2	30.9	42.2	59.0	82.7	113	151	191	228	258	286	312	330
30	2.28	2.77	3.84	5.77	8.68	12.8	18.0	24.3	32.1	42.1	55.8	74.3	96.7	122	148	172	196	214	225
40	2.28	2.67	3.51	4.88	7.05	9.88	13.7	17.9	22.6	28.5	36.0	45.0	55.4	66.8	78.1	90.7	101	110	114
50	2.28	2.54	3.18	4.05	5.37	7.22	9.46	12.2	15.2	18.5	22.2	26.3	30.6	35.0	39.7	44.1	48.0	50.8	52.2
60	2.28	2.45	2.86	3.37	4.03	4.90	6.08	7.51	9.17	11.0	12.8	14.6	16.4	18.1	19.9	21.5	22.9	23.8	24.3
70	2.28	2.38	2.59	2.85	3.14	3.45	3.81	4.26	4.86	5.56	6.31	7.05	7.73	8.43	9.06	9.61	10.0	10.3	10.5
80	2.28	2.34	2.40	2.49	2.59	2.69	2.76	2.84	2.93	3.02	3.11	3.20	3.28	3.38	3.47	3.54	3.60	3.63	3.64
90	2.28	2.30	2.32	2.34	2.36	2.38	2.40	2.38	2.37	2.35	2.34	2.32	2.31	2.30	2.29	2.28	2.28	2.27	2.26
100	2.28	2.26	2.25	2.23	2.21	2.20	2.19	2.15	2.10	2.05	2.03	2.01	1.99	1.99	2.00	2.01	2.01	2.02	2.03
110	2.28	2.23	2.18	2.14	2.07	2.04	2.02	2.01	2.00	2.00	2.00	2.00	2.01	2.02	2.03	2.04	2.05	2.06	2.07
120	2.28	2.20	2.13	2.05	2.02	2.01	2.01	2.01	2.01	2.03	2.08	2.13	2.19	2.24	2.29	2.33	2.36	2.38	2.40
130	2.28	2.17	2.07	2.02	2.01	2.01	2.01	2.03	2.10	2.19	2.30	2.40	2.50	2.60	2.69	2.76	2.82	2.85	2.87
140	2.28	2.16	2.04	2.01	2.01	2.02	2.07	2.16	2.27	2.42	2.56	2.72	2.88	3.02	3.14	3.23	3.29	3.32	3.33
150	2.28	2.14	2.02	2.01	2.02	2.06	2.17	2.30	2.47	2.63	2.84	3.04	3.23	3.38	3.49	3.60	3.65	3.67	3.67
160	2.28	2.12	2.02	2.01	2.04	2.12	2.25	2.43	2.62	2.84	3.07	3.28	3.46	3.57	3.69	3.77	3.80	3.79	3.80
170	2.28	2.11	2.01	2.01	2.05	2.16	2.32	2.51	2.73	2.97	3.19	3.41	3.55	3.69	3.75	3.77	3.78	3.77	3.80
180	2.28	2.10	2.01	2.01	2.06	2.18	2.34	2.55	2.77	3.00	3.22	3.43	3.61	3.71	3.75	3.72	3.69	3.63	3.65

H_(b) Range:-90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-06-26

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-1800K-60D-Rev1	TYPE:1800K	WEIGHT:
SPEC.:60 DEG	DIM.:600MM	SERIAL No.:IES002520
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	3.31	3.06	2.81	2.56	2.30	2.03	1.78	1.54	1.32	1.13	0.96	0.82	0.71	0.63	0.58	0.52	0.48	0.47	
-170	2.94	2.84	2.67	2.49	2.30	2.03	1.76	1.51	1.29	1.11	0.95	0.81	0.71	0.64	0.58	0.52	0.48	0.47	
-160	2.46	2.37	2.30	2.20	2.04	1.85	1.62	1.40	1.21	1.04	0.90	0.79	0.69	0.63	0.57	0.52	0.49	0.47	
-150	1.98	1.92	1.83	1.74	1.63	1.50	1.35	1.22	1.07	0.94	0.83	0.74	0.67	0.61	0.57	0.52	0.49	0.47	
-140	1.52	1.47	1.41	1.32	1.25	1.17	1.09	1.00	0.91	0.83	0.76	0.69	0.65	0.60	0.56	0.52	0.49	0.47	
-130	1.13	1.10	1.05	1.00	0.94	0.90	0.86	0.81	0.76	0.73	0.69	0.65	0.61	0.58	0.54	0.51	0.48	0.47	
-120	0.84	0.81	0.79	0.75	0.71	0.70	0.69	0.67	0.66	0.65	0.63	0.61	0.59	0.56	0.53	0.50	0.48	0.47	
-110	0.66	0.65	0.64	0.63	0.61	0.60	0.59	0.60	0.59	0.59	0.59	0.58	0.56	0.53	0.51	0.49	0.48	0.47	
-100	0.56	0.56	0.55	0.54	0.53	0.52	0.53	0.54	0.54	0.54	0.54	0.54	0.53	0.51	0.50	0.49	0.48	0.47	
-90	0.48	0.49	0.49	0.49	0.49	0.50	0.50	0.50	0.50	0.51	0.51	0.51	0.51	0.50	0.49	0.48	0.48	0.47	
-80	2.21	2.07	1.90	1.70	1.49	1.32	1.24	1.15	1.06	0.97	0.87	0.76	0.69	0.63	0.58	0.54	0.49	0.47	
-70	9.57	9.02	8.35	7.57	6.73	5.97	5.34	4.65	3.95	3.27	2.60	2.01	1.52	1.17	0.88	0.67	0.54	0.47	
-60	24.2	22.6	20.7	18.5	16.2	14.3	12.6	10.8	9.11	7.50	5.91	4.40	3.20	2.16	1.40	0.90	0.60	0.47	
-50	56.5	51.8	46.1	39.8	33.7	28.7	23.9	19.7	16.0	12.9	10.2	7.67	5.34	3.56	2.14	1.20	0.67	0.47	
-40	127	115	99.6	82.8	68.4	55.0	43.2	33.3	25.5	19.6	15.1	11.3	7.88	5.03	3.01	1.53	0.75	0.47	
-30	234	211	183	155	125	96.8	72.4	52.8	38.6	28.2	20.8	15.1	10.4	6.55	3.81	1.87	0.83	0.47	
-20	316	283	255	224	187	145	108	77.8	54.2	37.5	26.3	18.7	12.7	7.87	4.47	2.17	0.90	0.47	
-10	365	338	305	271	236	193	144	101	68.2	45.3	30.6	21.4	14.3	8.80	4.91	2.38	0.94	0.47	
0	398	380	353	316	271	219	162	112	74.8	48.9	32.6	22.7	15.1	9.17	5.09	2.47	0.96	0.47	
10	405	398	376	332	275	214	155	106	71.6	47.4	31.9	22.1	14.7	9.03	5.07	2.49	1.00	0.47	
20	343	344	317	273	222	170	123	86.5	59.8	40.9	28.4	19.9	13.4	8.31	4.77	2.38	1.01	0.47	
30	228	220	203	174	141	109	82.9	61.6	44.6	32.0	23.2	16.6	11.3	7.14	4.24	2.18	0.99	0.47	
40	114	110	102	90.8	76.4	62.4	49.8	38.9	30.2	23.1	17.5	12.8	8.90	5.80	3.57	1.93	0.96	0.47	
50	52.2	50.6	47.5	43.3	38.4	33.0	27.9	23.2	19.1	15.4	12.2	9.12	6.49	4.43	2.83	1.69	0.91	0.47	
60	24.0	23.3	22.2	20.6	18.9	16.9	15.0	13.0	11.1	9.35	7.64	5.94	4.42	3.20	2.22	1.46	0.88	0.47	
70	10.4	10.1	9.67	9.13	8.48	7.79	7.11	6.39	5.65	4.95	4.30	3.70	3.00	2.36	1.79	1.28	0.84	0.47	
80	3.63	3.59	3.54	3.46	3.35	3.25	3.16	3.07	2.98	2.88	2.79	2.68	2.29	1.90	1.52	1.16	0.79	0.47	
90	2.26	2.26	2.26	2.26	2.26	2.26	2.27	2.28	2.29	2.30	2.31	2.32	2.01	1.70	1.39	1.08	0.78	0.47	
100	2.03	2.03	2.04	2.04	2.04	2.05	2.06	2.07	2.08	2.11	2.13	2.13	1.88	1.61	1.33	1.05	0.77	0.47	
110	2.08	2.10	2.10	2.11	2.11	2.11	2.09	2.08	2.07	2.07	2.07	2.01	1.76	1.52	1.27	1.02	0.75	0.47	
120	2.42	2.42	2.42	2.41	2.39	2.34	2.28	2.23	2.17	2.11	2.07	1.90	1.67	1.43	1.20	0.97	0.72	0.47	
130	2.88	2.88	2.86	2.83	2.78	2.69	2.59	2.48	2.37	2.27	2.09	1.81	1.56	1.34	1.13	0.91	0.70	0.47	
140	3.34	3.32	3.28	3.22	3.13	3.02	2.90	2.75	2.61	2.37	2.02	1.72	1.45	1.23	1.04	0.85	0.66	0.47	
150	3.67	3.64	3.60	3.54	3.45	3.32	3.17	3.00	2.62	2.24	1.88	1.58	1.32	1.11	0.94	0.77	0.62	0.47	
160	3.76	3.74	3.75	3.73	3.67	3.56	3.15	2.73	2.33	1.97	1.66	1.39	1.15	0.98	0.82	0.70	0.58	0.47	
170	3.69	3.72	3.78	3.58	3.26	2.92	2.56	2.21	1.88	1.59	1.34	1.12	0.95	0.81	0.71	0.61	0.53	0.47	
180	3.31	3.06	2.81	2.56	2.30	2.03	1.78	1.54	1.32	1.13	0.96	0.82	0.71	0.63	0.58	0.52	0.48	0.47	

H_(b) Range:-90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-06-26

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: