

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	1250.4 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	93.4V x 89.0H
	At 50% of Imax	45.3V x 45.3H
	At 90% of Imax	16.3V x 15.8H

Beam Flux	Total	1000.0 lumens per klm.
	To 10% of Imax	863.4 lumens per klm.
	To 50% of Imax	434.4 lumens per klm.
	To 90% of Imax	80.8 lumens per klm.

Upward LOR	2.4 %
Downward LOR	97.6 %

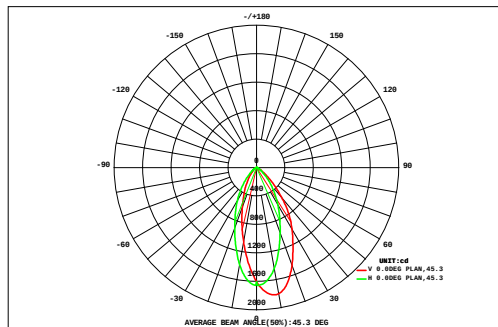
Luminaire Efficiency(Light Output Ratio)	100.0 %
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H_(b) Range:-90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:Fan
Test Date:2023-10-18

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 Slim-600mm-3000K-45D-Rev1	TYPE:3000K	WEIGHT:
SPEC.:45 DEG	DIM.:600MM	SERIAL No.:IES001909
MFR.:	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:76.85lm/W	
MODEL		Imax(cd)	1807
NOMINAL POWER(W)	18.7	AVAILABILITY(%)	86.3
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	1247
NOMINAL FLUX(lm)	1445	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	1445
TEST VOLTAGE(V)	220	q @50%(H,V)	45,45DEG

72 64 56 48 40 32 24 -24 -32 -40 -48 -56 -64 -72 -72	AREA FLUX DIAGRAM																UNIT:lm				F t	F a
	0.06	0.09	0.12	0.18	0.24	0.31	0.39	0.46	0.51	0.53	0.51	0.45	0.38	0.30	0.23	0.16	0.11	0.06	5.09	0.00		
	0.07	0.11	0.18	0.28	0.40	0.54	0.71	0.88	1.02	1.08	1.03	0.91	0.74	0.56	0.39	0.25	0.14	0.07	9.36	0.00		
	0.08	0.15	0.26	0.41	0.62	0.91	1.28	1.71	2.07	2.27	2.22	1.92	1.47	1.01	0.65	0.38	0.20	0.08	17.7	0.00		
	0.10	0.20	0.34	0.57	0.95	1.53	2.36	3.38	4.29	4.83	4.79	4.10	2.98	1.89	1.08	0.57	0.26	0.11	34.3	19.2		
	0.12	0.24	0.43	0.76	1.40	2.51	4.03	5.90	7.64	8.83	9.03	7.84	5.60	3.40	1.78	0.82	0.34	0.13	60.8	51.6		
	0.13	0.28	0.52	1.00	1.96	3.66	6.05	9.00	11.9	13.9	14.4	12.6	9.22	5.53	2.75	1.15	0.44	0.15	94.7	87.6		
	0.15	0.31	0.61	1.25	2.55	4.74	8.16	12.6	17.2	20.4	20.6	17.6	13.1	7.94	3.85	1.54	0.53	0.17	133	127		
	0.16	0.34	0.68	1.47	3.03	5.70	9.82	16.1	23.2	28.1	27.4	22.5	16.3	10.1	4.86	1.89	0.61	0.18	172	167		
	0.17	0.35	0.71	1.56	3.22	6.21	10.9	18.2	27.1	33.3	32.3	25.8	18.2	11.4	5.51	2.11	0.66	0.19	198	192		
	0.16	0.34	0.69	1.52	3.17	6.15	10.9	18.2	27.0	32.6	31.9	25.5	18.0	11.3	5.48	2.10	0.65	0.18	196	190		
	0.15	0.31	0.63	1.37	2.86	5.50	9.65	15.6	22.1	26.5	26.0	21.7	15.8	9.85	4.77	1.84	0.59	0.17	165	160		
	0.13	0.28	0.54	1.11	2.29	4.38	7.65	11.7	16.0	18.8	18.9	16.5	12.5	7.68	3.72	1.47	0.49	0.15	124	118		
	0.12	0.24	0.44	0.83	1.66	3.21	5.42	8.16	10.9	12.7	12.9	11.4	8.55	5.24	2.59	1.06	0.38	0.13	85.9	78.7		
	0.10	0.19	0.33	0.60	1.14	2.08	3.40	5.09	6.69	7.74	7.86	6.82	5.03	3.10	1.61	0.71	0.28	0.10	52.9	43.4		
	0.07	0.14	0.24	0.42	0.74	1.23	1.91	2.78	3.55	4.04	4.03	3.47	2.57	1.64	0.91	0.44	0.19	0.07	28.5	11.6		
	0.06	0.10	0.17	0.28	0.45	0.68	1.00	1.37	1.69	1.86	1.82	1.56	1.19	0.81	0.49	0.26	0.12	0.05	14.0	0.00		
	0.04	0.06	0.11	0.18	0.26	0.36	0.51	0.66	0.79	0.84	0.80	0.68	0.53	0.38	0.24	0.14	0.07	0.03	6.68	0.00		
	0.03	0.04	0.06	0.09	0.13	0.18	0.24	0.30	0.35	0.36	0.33	0.28	0.22	0.16	0.11	0.06	0.03	0.02	2.99	0.00		
	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL (DEG)				16	24	32	40	48	56	64	72			
F t	1.89	3.78	7.07	13.9	27.1	49.9	84.4	132	184	219	217	182	132	82.2	41.0	17.0	6.08	2.04	1402	---		
F a	0.00	0.00	0.00	0.00	9.44	38.1	74.2	123	175	210	209	174	124	73.9	31.6	4.10	0.00	0.00	---	1247		

one-half-peak spread: U:22.5,D:23.2 , L:21.6,R:24.0

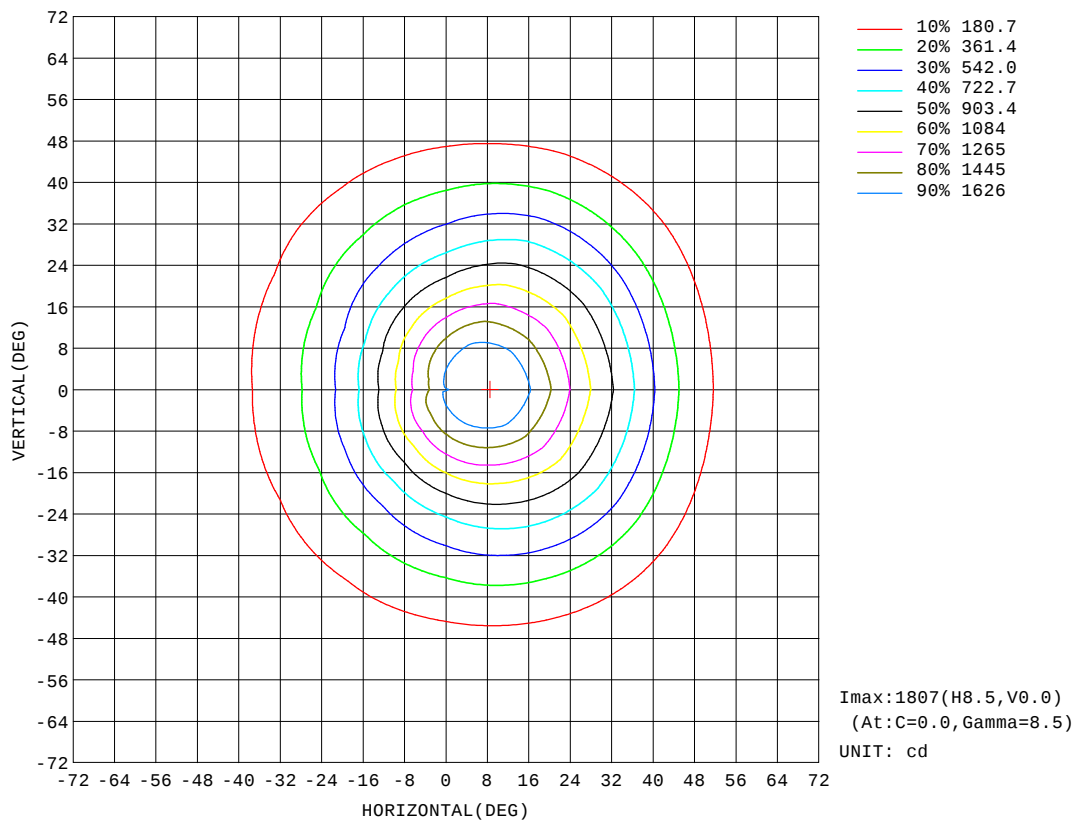
NEMA Beam Type: Type 5

$H(b)$ Range: -90 - 90DEG
 $H(b)$ Interval: 0.5DEG
 Test Speed: LOW
 Temperature: 25.3DEG
 Operators: Fan
 Test Date: 2023-10-18

$V(B)$ 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 Slim-600mm-3000K-45D-Rev1	TYPE:3000K	WEIGHT:
SPEC.:45 DEG	DIM.:600MM	SERIAL No.:IES001909
MFR.:	SUR.:	Shielding Angle:

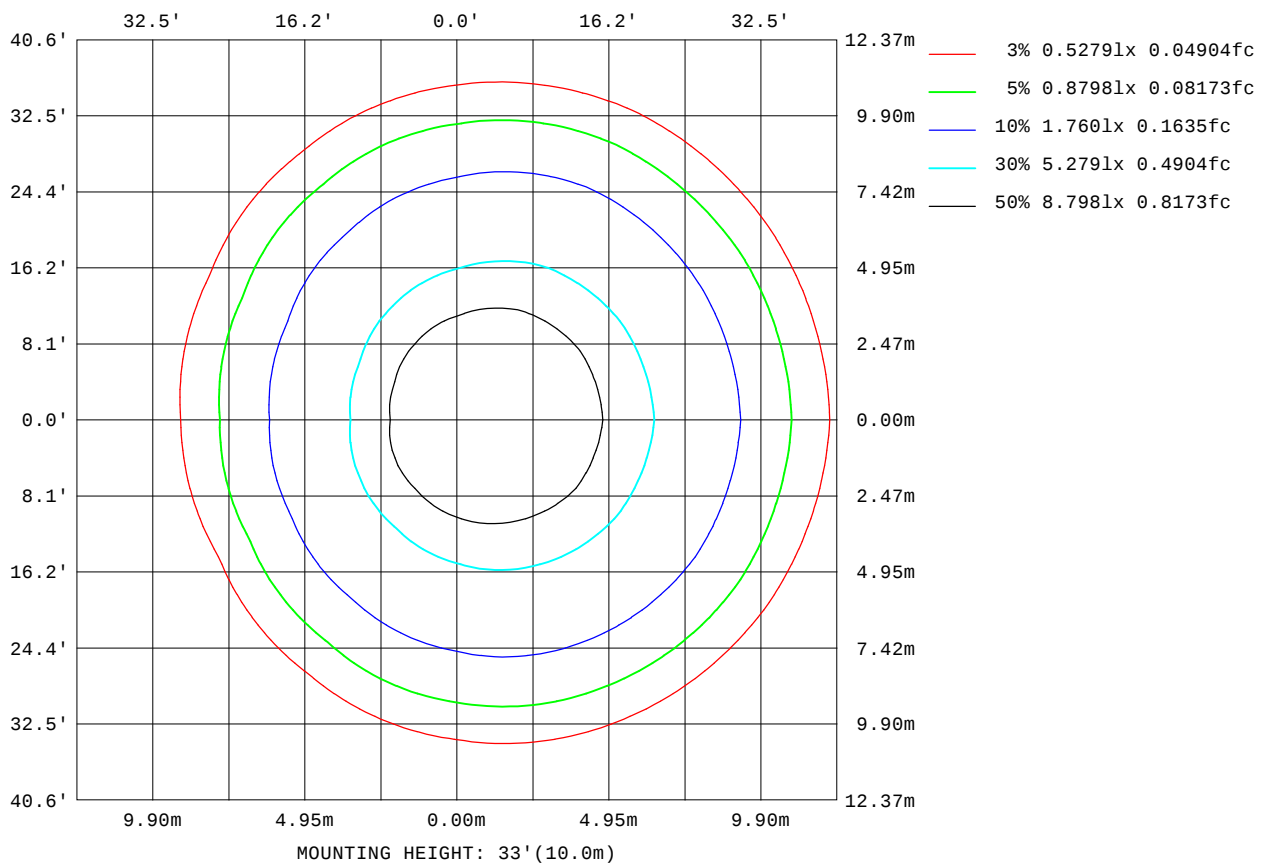


H_(b) Range:-90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:Fan
Test Date:2023-10-18

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

ISOLUX DIAGRAM

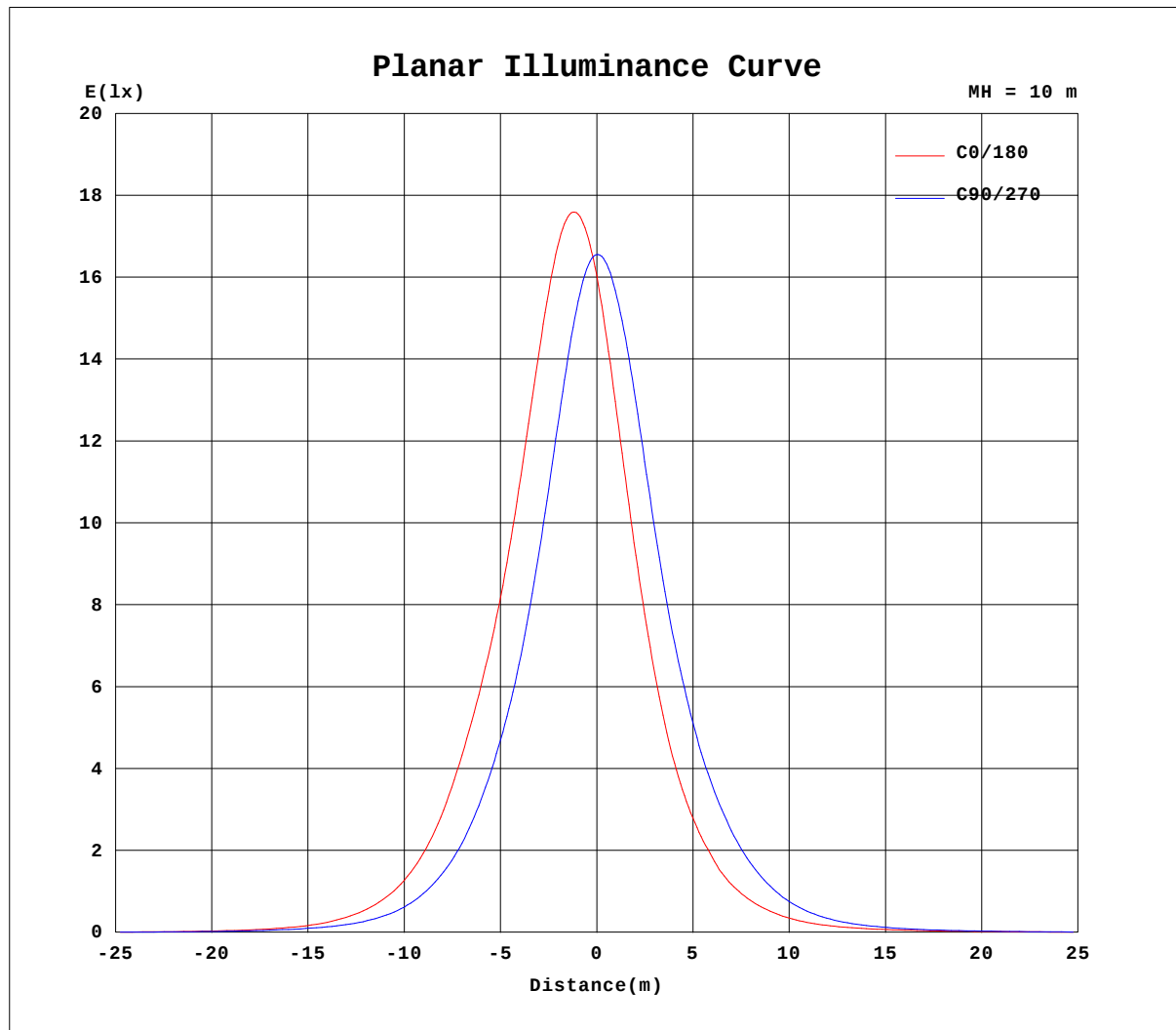
NAME:BlazeLine Slim-600mm-3000K-45D-Rev1	TYPE:3000K	WEIGHT:
SPEC.:45 DEG	DIM.:600MM	SERIAL No.:IES001909
MFR.:	SUR.:	Shielding Angle:



H_(b) Range: -90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: LOW
Temperature: 25.3DEG
Operators: Fan
Test Date: 2023-10-18

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

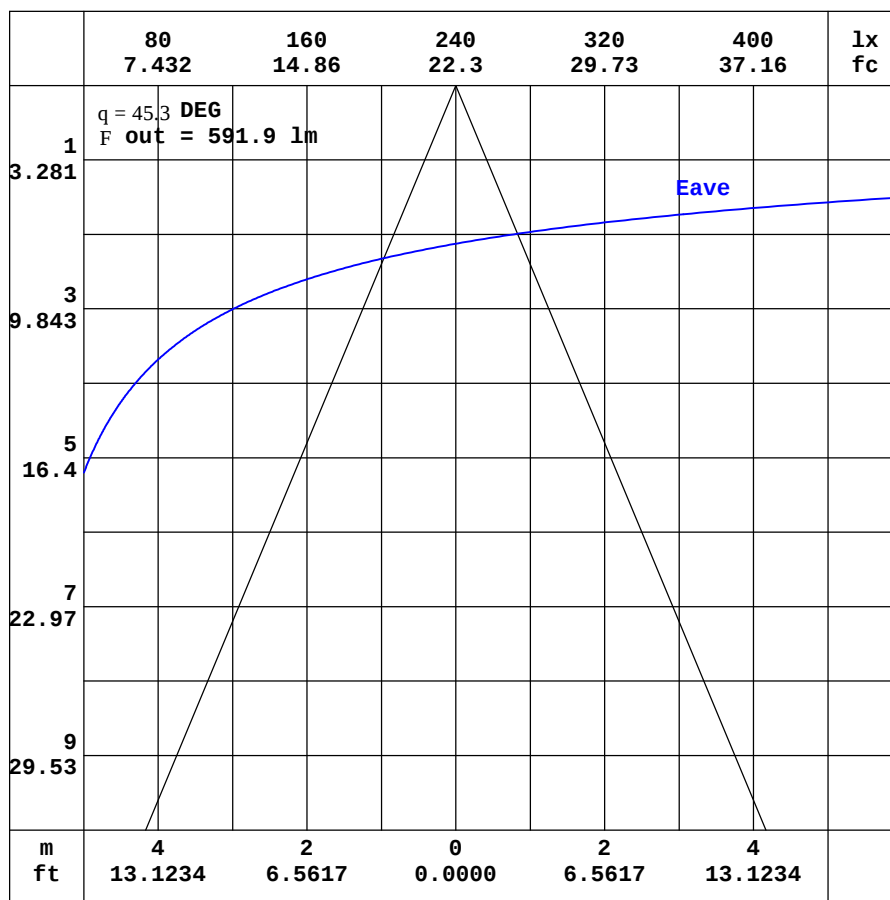


H_(b) Range: -90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: LOW
Temperature: 25.3DEG
Operators: Fan
Test Date: 2023-10-18

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 Slim-600mm-3000K-45D-Rev1	TYPE:3000K	WEIGHT:
SPEC.:45 DEG	DIM.:600MM	SERIAL No.:IES001909
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: LOW
Temperature:25.3DEG
Operators:Fan
Test Date:2023-10-18

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 Slim-600mm-3000K-45D-Rev1	TYPE:3000K	WEIGHT:
SPEC.:45 DEG	DIM.:600MM	SERIAL No.:IES001909
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	5.42	5.33	5.43	5.71	6.21	6.89	7.70	8.55	9.36	10.1	10.6	11.0	11.0	11.0	10.8	10.5	10.2	9.85	10.3
-170	5.42	5.24	5.23	5.37	5.69	6.13	6.67	7.22	7.75	8.21	8.53	8.70	8.61	8.51	8.38	8.45	8.79	8.93	8.76
-160	5.42	5.15	5.02	5.01	5.13	5.33	5.57	5.81	6.04	6.21	6.30	6.29	6.27	6.60	7.00	7.32	7.50	7.46	7.26
-150	5.42	5.07	4.83	4.66	4.59	4.55	4.52	4.47	4.36	4.24	4.18	4.68	5.14	5.52	5.82	6.01	6.08	6.02	5.85
-140	5.42	5.00	4.66	4.36	4.11	3.87	3.61	3.31	2.95	2.95	3.29	3.60	3.91	4.17	4.39	4.51	4.56	4.53	4.41
-130	5.42	4.94	4.53	4.13	3.73	3.33	2.91	2.44	2.31	2.44	2.58	2.71	2.86	2.98	3.10	3.17	3.19	3.17	3.10
-120	5.42	4.90	4.44	3.97	3.48	2.97	2.46	2.06	2.11	2.15	2.19	2.23	2.27	2.30	2.34	2.36	2.37	2.37	2.35
-110	5.42	4.88	4.38	3.88	3.37	2.83	2.26	2.06	2.07	2.10	2.12	2.13	2.15	2.13	2.12	2.10	2.08	2.07	2.06
-100	5.42	4.89	4.36	3.86	3.34	2.83	2.30	2.23	2.20	2.18	2.16	2.16	2.16	2.12	2.08	2.04	1.99	1.95	1.91
-90	5.42	4.91	4.40	3.89	3.38	2.87	2.37	2.32	2.28	2.24	2.20	2.16	2.11	2.05	1.99	1.94	1.88	1.82	1.76
-80	5.42	4.96	4.49	4.03	3.73	3.19	2.51	2.47	2.49	2.51	2.52	2.52	2.50	2.56	2.64	2.73	2.82	2.90	2.97
-70	5.42	5.03	5.08	5.01	4.49	4.02	3.50	3.50	4.09	4.94	5.87	6.85	7.78	9.02	10.4	11.7	12.8	13.8	14.6
-60	5.42	5.12	5.87	5.67	5.78	5.68	6.46	7.70	9.84	12.0	14.2	16.8	19.6	22.9	27.2	31.6	35.7	39.3	42.2
-50	5.42	5.67	6.31	6.84	7.36	9.27	11.5	13.5	16.5	20.9	26.4	33.2	41.6	51.3	63.5	76.4	89.1	101	109
-40	5.42	6.10	6.89	7.94	10.2	13.5	17.0	20.8	25.3	33.3	45.2	61.0	82.1	108	139	177	214	249	275
-30	5.42	6.52	7.59	9.26	13.1	17.6	23.3	28.7	37.5	50.3	69.8	102	147	201	264	335	417	490	546
-20	5.42	6.86	8.35	10.9	15.7	22.3	28.3	36.7	50.4	72.1	105	154	217	310	416	535	663	800	905
-10	5.42	7.09	9.04	12.2	17.8	26.1	32.3	43.4	61.4	91.5	137	200	290	402	547	738	954	1175	1383
0	5.42	7.27	9.54	13.0	19.2	28.4	34.9	46.9	67.0	99.8	148	214	313	430	589	803	1061	1345	1604
10	5.42	7.23	9.34	12.7	18.6	27.4	34.2	45.9	65.1	96.7	146	209	299	411	551	744	982	1228	1442
20	5.42	7.12	8.93	11.8	17.2	24.7	31.7	41.4	57.0	81.3	119	171	238	331	444	575	718	861	973
30	5.42	6.90	8.42	10.6	15.1	20.7	27.9	35.0	45.8	61.4	84.6	121	173	230	300	376	462	539	600
40	5.42	6.58	7.93	9.66	12.6	17.0	22.2	27.9	34.5	44.1	57.7	76.4	101	133	170	212	255	293	323
50	5.42	6.22	7.52	8.79	10.1	12.9	16.5	20.3	24.9	30.4	37.0	45.0	55.0	65.7	80.0	95.3	110	124	134
60	5.42	5.73	7.19	7.76	8.74	9.56	11.2	13.6	16.4	19.2	22.6	25.9	29.6	33.7	38.1	42.8	47.2	50.9	53.6
70	5.42	5.68	6.44	7.16	7.47	7.88	8.33	8.86	9.59	10.6	12.0	13.3	14.6	16.3	17.9	19.4	20.6	21.6	22.4
80	5.42	5.63	5.85	6.12	6.58	6.86	7.01	7.17	7.34	7.52	7.71	7.91	8.09	8.31	8.52	8.74	8.94	9.11	9.25
90	5.42	5.58	5.74	5.90	6.06	6.22	6.38	6.38	6.38	6.38	6.38	6.38	6.38	6.36	6.34	6.32	6.30	6.28	6.26
100	5.42	5.53	5.64	5.74	5.83	5.84	5.81	5.85	5.87	5.81	5.74	5.65	5.55	5.50	5.47	5.45	5.45	5.45	5.45
110	5.42	5.48	5.57	5.56	5.68	5.74	5.78	5.74	5.68	5.65	5.69	5.74	5.74	5.69	5.63	5.58	5.53	5.48	5.43
120	5.42	5.45	5.47	5.57	5.64	5.71	5.77	5.87	5.96	6.05	6.15	6.24	6.37	6.45	6.47	6.45	6.41	6.33	6.21
130	5.42	5.43	5.47	5.56	5.67	5.81	6.03	6.30	6.56	6.82	7.14	7.37	7.57	7.74	7.84	7.89	7.89	7.82	7.68
140	5.42	5.40	5.45	5.58	5.76	6.05	6.44	6.89	7.38	7.84	8.23	8.61	8.94	9.22	9.41	9.49	9.51	9.47	9.35
150	5.42	5.38	5.45	5.61	5.91	6.34	6.88	7.50	8.14	8.73	9.31	9.78	10.1	10.3	10.5	10.6	10.6	10.6	10.5
160	5.42	5.36	5.45	5.66	6.06	6.60	7.28	8.02	8.74	9.44	10.1	10.5	10.8	10.9	10.9	10.9	10.9	10.9	11.0
170	5.42	5.34	5.44	5.70	6.17	6.80	7.56	8.38	9.16	9.89	10.5	10.8	11.0	10.9	10.8	10.7	10.5	10.5	10.8
180	5.42	5.33	5.43	5.71	6.21	6.89	7.70	8.55	9.36	10.1	10.6	11.0	11.0	11.0	10.8	10.5	10.2	9.85	10.3

H_(b) Range:-90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:Fan
Test Date:2023-10-18

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 Slim-600mm-3000K-45D-Rev1	TYPE:3000K	WEIGHT:
SPEC.:45 DEG	DIM.:600MM	SERIAL No.:IES001909
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	8.55	7.74	6.92	6.11	5.27	4.50	3.83	3.28	2.86	2.55	2.37	2.19	2.08	1.97	1.82	1.65	1.43	1.24
-170	7.92	7.30	6.60	5.97	5.33	4.61	3.96	3.42	2.98	2.63	2.38	2.20	2.09	1.97	1.83	1.65	1.43	1.24
-160	6.85	6.33	5.88	5.39	4.86	4.36	3.85	3.37	2.95	2.59	2.34	2.17	2.07	1.96	1.83	1.65	1.43	1.24
-150	5.58	5.21	4.74	4.38	4.03	3.71	3.41	3.12	2.75	2.46	2.25	2.14	2.04	1.93	1.81	1.63	1.42	1.24
-140	4.21	3.96	3.66	3.34	3.16	2.98	2.79	2.61	2.43	2.27	2.16	2.09	1.99	1.89	1.77	1.60	1.40	1.24
-130	3.00	2.88	2.74	2.59	2.47	2.40	2.33	2.25	2.19	2.14	2.09	2.01	1.92	1.84	1.71	1.57	1.38	1.24
-120	2.32	2.28	2.24	2.19	2.15	2.12	2.10	2.09	2.06	2.03	1.99	1.92	1.85	1.76	1.65	1.52	1.36	1.24
-110	2.05	2.04	2.03	2.02	2.02	2.01	1.99	1.98	1.95	1.91	1.87	1.84	1.77	1.69	1.58	1.46	1.33	1.24
-100	1.91	1.91	1.91	1.90	1.90	1.89	1.87	1.85	1.82	1.80	1.77	1.74	1.67	1.59	1.50	1.40	1.30	1.24
-90	1.74	1.73	1.72	1.71	1.69	1.68	1.67	1.66	1.65	1.64	1.63	1.62	1.56	1.49	1.43	1.37	1.30	1.24
-80	2.85	2.71	2.56	2.41	2.26	2.14	2.12	2.07	2.00	1.91	1.82	1.73	1.68	1.65	1.60	1.50	1.36	1.24
-70	14.2	13.6	12.7	11.5	10.2	8.92	7.81	6.59	5.30	4.19	3.44	2.86	2.51	2.12	1.86	1.69	1.47	1.24
-60	42.4	41.5	39.4	36.2	32.3	28.3	24.3	20.2	16.2	12.6	9.26	6.73	4.65	3.28	2.43	1.88	1.59	1.24
-50	115	116	112	102	89.9	76.6	62.6	49.4	37.5	27.6	19.7	13.7	9.23	5.60	3.36	2.18	1.69	1.24
-40	296	301	292	268	234	192	151	111	79.2	53.9	35.4	23.1	14.9	9.11	4.86	2.65	1.77	1.24
-30	594	613	601	559	491	403	311	221	149	94.6	58.0	34.7	21.3	12.7	6.52	3.15	1.83	1.24
-20	980	997	969	901	803	677	516	363	237	146	84.5	47.9	27.0	15.9	8.25	3.55	1.89	1.24
-10	1492	1498	1413	1255	1066	885	695	489	320	193	108	58.9	31.7	18.2	9.57	3.89	1.93	1.24
0	1769	1801	1680	1461	1213	999	789	557	361	217	120	64.2	33.8	19.3	10.2	4.05	1.95	1.24
10	1576	1568	1460	1292	1095	906	707	497	324	197	111	61.0	33.3	19.4	10.3	4.35	2.13	1.24
20	1063	1095	1052	963	848	706	535	374	247	152	89.3	52.0	30.3	18.1	9.71	4.45	2.27	1.24
30	656	683	675	622	540	435	330	237	160	103	65.1	40.6	25.8	15.9	8.65	4.43	2.38	1.24
40	347	354	343	315	269	217	169	126	90.4	64.4	44.4	30.2	20.3	12.9	7.53	4.22	2.46	1.24
50	140	140	135	125	110	92.9	76.5	61.8	49.1	38.5	29.4	21.3	15.0	9.95	6.40	3.99	2.50	1.24
60	54.3	53.7	51.9	48.8	44.8	40.4	35.6	30.9	26.4	22.1	18.4	14.1	10.7	7.89	5.59	3.83	2.47	1.24
70	22.4	22.0	21.4	20.5	19.3	17.9	16.6	15.0	13.6	12.5	11.6	10.4	8.43	6.60	5.04	3.69	2.40	1.24
80	9.36	9.42	9.45	9.45	9.44	9.40	9.29	9.15	8.98	8.80	8.63	8.37	7.09	5.84	4.63	3.45	2.31	1.24
90	6.36	6.46	6.57	6.67	6.78	6.88	6.94	6.99	7.05	7.11	7.16	7.22	6.22	5.23	4.23	3.23	2.24	1.24
100	5.47	5.50	5.54	5.59	5.65	5.73	5.82	5.92	6.02	6.14	6.27	6.34	5.60	4.82	4.00	3.12	2.19	1.24
110	5.41	5.39	5.37	5.35	5.34	5.34	5.37	5.40	5.46	5.55	5.69	5.63	5.07	4.45	3.77	3.00	2.15	1.24
120	6.13	6.03	5.91	5.78	5.64	5.51	5.41	5.35	5.33	5.34	5.40	5.08	4.61	4.09	3.52	2.87	2.09	1.24
130	7.52	7.30	7.04	6.75	6.46	6.20	5.94	5.69	5.47	5.33	5.12	4.65	4.20	3.77	3.27	2.71	2.02	1.24
140	9.15	8.87	8.51	8.08	7.71	7.31	6.87	6.41	5.97	5.40	4.74	4.26	3.83	3.43	3.02	2.52	1.92	1.24
150	10.3	10.1	9.75	9.40	8.97	8.45	7.88	7.27	6.17	5.17	4.39	3.84	3.45	3.09	2.75	2.32	1.82	1.24
160	10.9	10.8	10.6	10.3	9.89	9.35	8.00	6.69	5.56	4.63	3.92	3.39	3.04	2.74	2.45	2.11	1.70	1.24
170	10.8	11.0	11.0	10.0	8.69	7.42	6.27	5.25	4.41	3.73	3.21	2.83	2.58	2.37	2.14	1.89	1.57	1.24
180	8.55	7.74	6.92	6.11	5.27	4.50	3.83	3.28	2.86	2.55	2.37	2.19	2.08	1.97	1.82	1.65	1.43	1.24

H_b Range: -90 - 90DEG
H_b Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:Fan
Test Date:2023-10-18

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: