

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

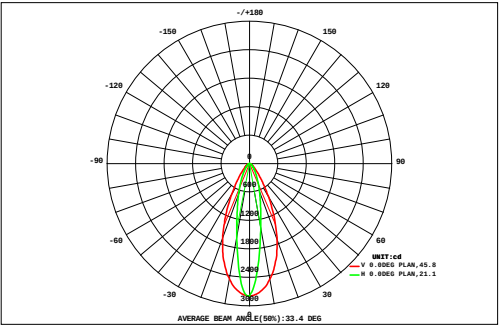
Maximum Intensity (Luminaire orientation as tested.)		2024.0 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of Imax	61.9V x 81.6H
	At 50% of Imax	21.1V x 45.8H
	At 90% of Imax	6.8V x 18.5H
Beam Flux	Total	1000.1 lumens per klm.
	To 10% of Imax	749.5 lumens per klm.
	To 50% of Imax	328.1 lumens per klm.
	To 90% of Imax	57.3 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:2024-10-25

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-RGBW DS-1545D-Rev1	TYPE:RGBW-DS W=4000K	WEIGHT:
SPEC.:20X45 DEG	DIM.:600MM	SERIAL No.:IES003074
MFR.:	SUR.:1	Shielding Angle:



DATA OF LAMP		Eff:66.94lm/W	
MODEL		Imax(cd)	2791
NOMINAL POWER(W)	20.6	AVAILABILITY(%)	75.0
RATED VOLTAGE(V)	24	Avai. FLUX(lm)	1034
NOMINAL FLUX(lm)	1379	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	1379
TEST VOLTAGE(V)	24	q @50%(H,V)	46,21DEG

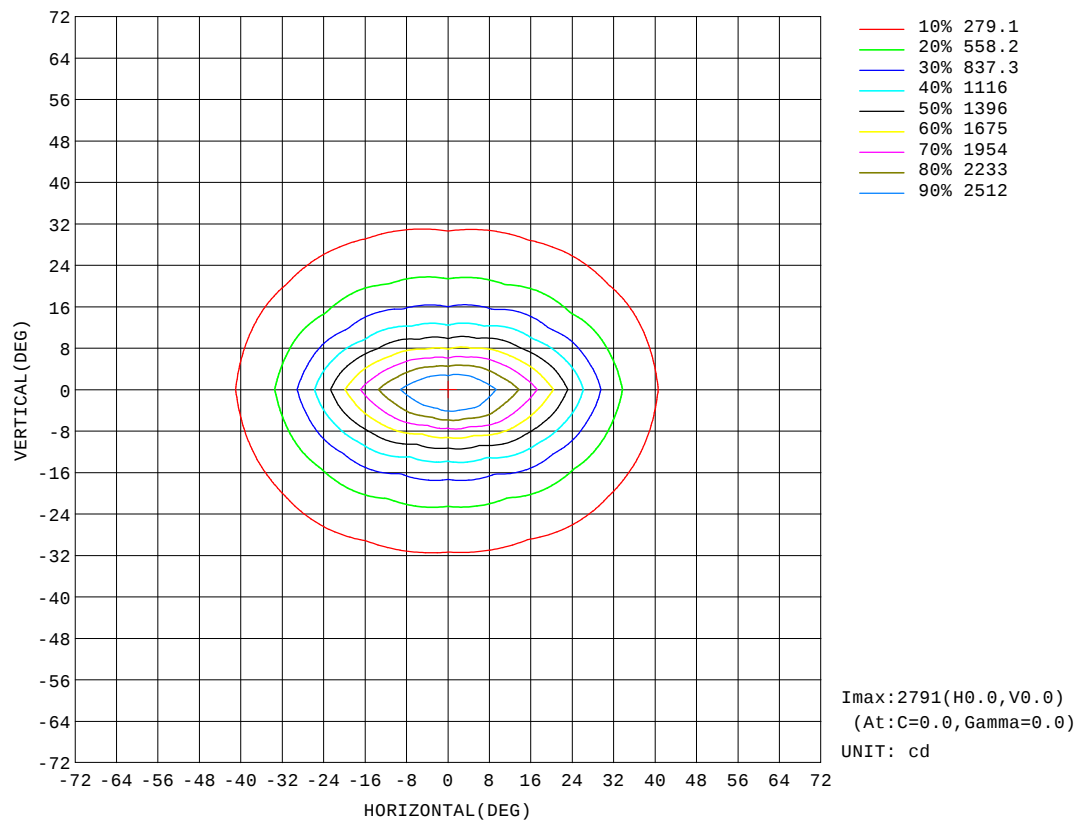
		AREA FLUX DIAGRAM																UNIT:lm			F t	F a
VERTICAL (DEG)	72	0.09	0.16	0.25	0.33	0.41	0.48	0.54	0.58	0.58	0.58	0.54	0.48	0.42	0.34	0.25	0.16	0.08	6.85	0.00		
	64	0.13	0.24	0.37	0.51	0.64	0.75	0.85	0.92	0.94	0.94	0.92	0.85	0.75	0.64	0.51	0.38	0.24	0.12	10.7	0.00	
	56	0.17	0.32	0.51	0.71	0.92	1.11	1.28	1.41	1.45	1.44	1.40	1.26	1.09	0.91	0.71	0.51	0.31	0.16	15.7	0.00	
	48	0.21	0.40	0.65	0.95	1.28	1.63	1.93	2.19	2.28	2.28	2.17	1.90	1.60	1.26	0.94	0.64	0.38	0.19	22.9	0.00	
	40	0.25	0.49	0.81	1.24	1.79	2.44	3.05	3.60	3.82	3.80	3.54	2.99	2.40	1.76	1.22	0.78	0.45	0.23	34.7	0.00	
	32	0.29	0.57	0.98	1.60	2.53	3.77	5.13	6.26	6.80	6.76	6.16	5.03	3.70	2.48	1.55	0.92	0.51	0.25	55.3	28.0	
	24	0.32	0.64	1.16	2.04	3.57	5.83	8.82	11.2	12.4	12.3	11.1	8.79	5.78	3.50	1.95	1.06	0.57	0.27	91.2	75.6	
		0.34	0.70	1.32	2.53	5.02	9.37	15.1	20.8	23.2	23.4	21.1	15.3	9.49	4.97	2.41	1.18	0.61	0.29	157	145	
		0.36	0.74	1.44	2.95	6.53	14.0	25.4	36.4	43.5	44.0	37.1	26.0	14.5	6.55	2.81	1.27	0.63	0.30	264	254	
		0.35	0.73	1.43	2.94	6.56	14.2	25.9	37.7	45.8	46.6	38.6	26.6	14.6	6.57	2.79	1.25	0.62	0.29	274	263	
		0.33	0.68	1.28	2.49	5.06	9.78	16.2	22.4	25.5	25.8	22.9	16.5	9.85	4.99	2.36	1.14	0.58	0.28	168	156	
	-24	0.30	0.61	1.10	1.97	3.54	6.09	9.38	11.9	13.5	13.5	11.8	9.29	5.99	3.44	1.86	0.99	0.53	0.26	95.9	81.0	
	-32	0.27	0.52	0.90	1.49	2.42	3.76	5.23	6.45	7.23	7.19	6.32	5.11	3.66	2.34	1.42	0.83	0.47	0.24	55.9	30.5	
	-40	0.23	0.44	0.72	1.11	1.65	2.30	2.95	3.57	3.86	3.83	3.50	2.89	2.24	1.60	1.07	0.68	0.40	0.20	33.2	0.00	
	-48	0.19	0.35	0.56	0.82	1.12	1.45	1.75	2.04	2.16	2.15	2.01	1.72	1.41	1.10	0.80	0.55	0.33	0.17	20.7	0.00	
	-56	0.15	0.27	0.42	0.59	0.77	0.94	1.09	1.22	1.28	1.27	1.21	1.08	0.92	0.76	0.59	0.42	0.26	0.13	13.4	0.00	
-64	0.11	0.19	0.30	0.41	0.52	0.61	0.69	0.76	0.78	0.78	0.75	0.69	0.60	0.51	0.41	0.30	0.19	0.10	8.69	0.00		
-72	0.07	0.12	0.19	0.25	0.31	0.36	0.41	0.45	0.45	0.45	0.44	0.41	0.36	0.32	0.26	0.19	0.12	0.06	5.24	0.00		
	-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL (DEG)				16	24	32	40	48	56	64	72		
F t	4.15	8.18	14.4	24.9	44.7	78.9	126	170	196	197	171	127	79.4	44.1	24.0	13.3	7.38	3.62	1334	---		
F a	0.00	0.00	0.00	0.40	21.6	58.8	107	151	177	178	152	108	59.3	21.0	0.13	0.00	0.00	0.00	---	1034		

one-half-peak spread: U:11.4,D:9.9 , L:22.8,RN23.3 Beam Type: Type 5 x 4 (H x V)

H_(b) Range: -90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:
Test Date:2024-10-25
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-RGBW DS-1545D-Rev1	TYPE:RGBW-DS W=4000K	WEIGHT:
SPEC.:20X45 DEG	DIM.:600MM	SERIAL No.:IES003074
MFR.:	SUR.:1	Shielding Angle:

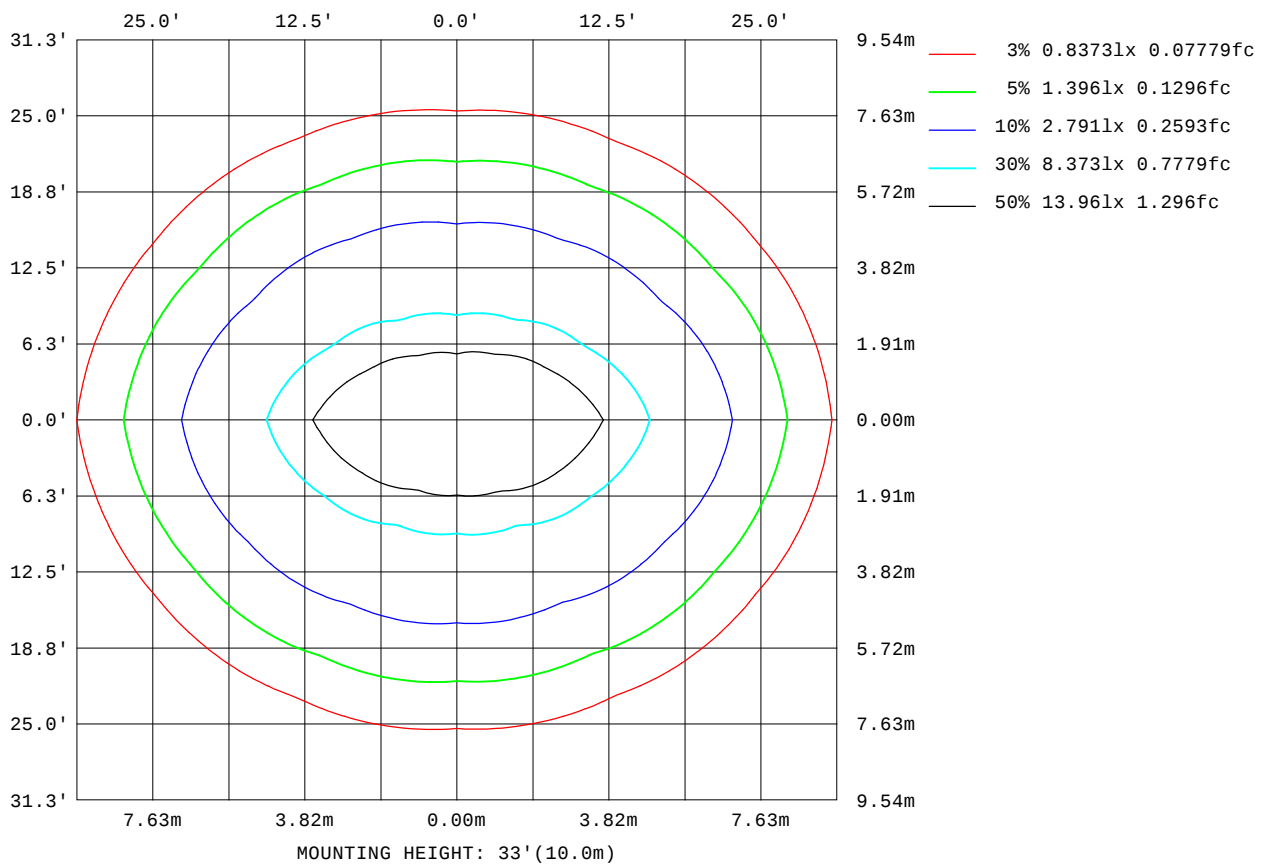


H_(b) Range:-90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:
Test Date:2024-10-25

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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

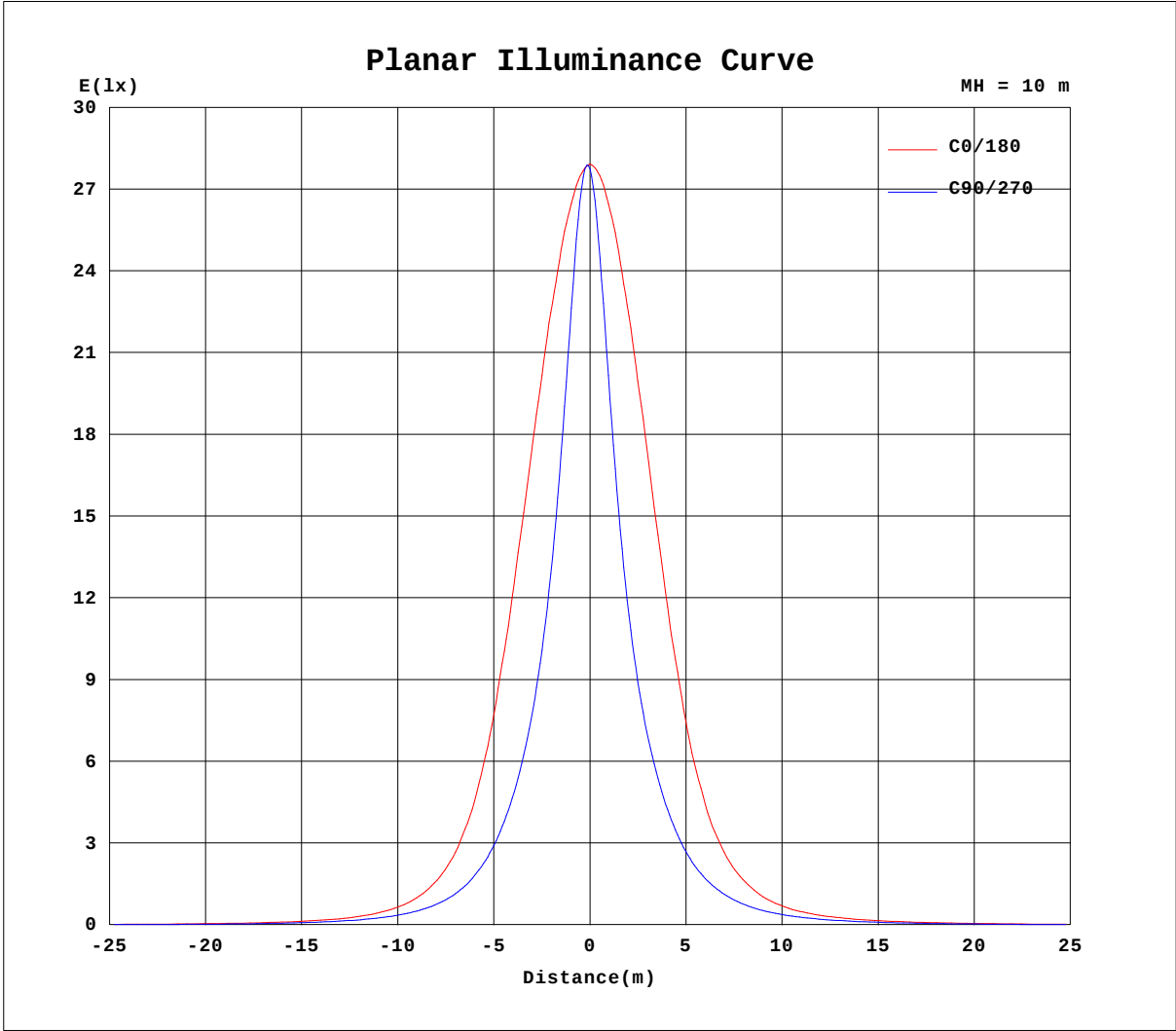
NAME:BlazeLine Mini-600mm-RGBW DS-1545D-Rev1	TYPE:RGBW-DS W=4000K	WEIGHT:
SPEC.:20X45 DEG	DIM.:600MM	SERIAL No.:IES003074
MFR.:	SUR.:1	Shielding Angle:



H_(b) Range: -90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: LOW
Temperature: 25.3DEG
Operators:
Test Date: 2024-10-25

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

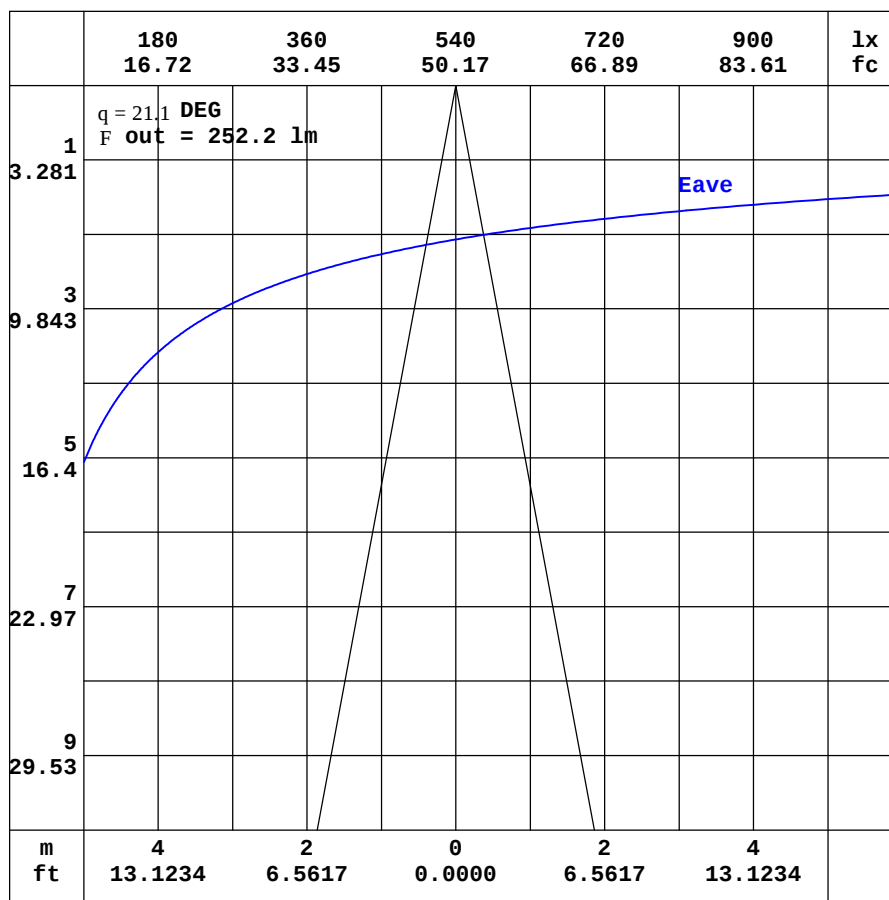


H_b Range: -90 - 90DEG
H_b Interval: 0.5DEG
Test Speed: LOW
Temperature: 25.3DEG
Operators:
Test Date: 2024-10-25

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-RGBW DS-1545D-Rev1	TYPE:RGBW-DS W=4000K	WEIGHT:
SPEC.:20X45 DEG	DIM.:600MM	SERIAL No.:IES003074
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:2024-10-25

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-RGBW DS-1545D-Rev1	TYPE:RGBW-DS W=4000K	WEIGHT:
SPEC.:20X45 DEG	DIM.:600MM	SERIAL No.:IES003074
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	6.24	5.76	5.45	5.34	5.42	5.72	6.23	6.90	7.65	8.40	9.09	9.66	10.1	10.3	10.2	10.1	9.87	9.66	9.35
-170	6.24	5.65	5.25	5.05	5.01	5.14	5.42	5.79	6.21	6.61	6.96	7.25	7.44	7.50	7.40	7.47	8.06	8.60	9.05
-160	6.24	5.56	5.07	4.76	4.60	4.55	4.59	4.65	4.73	4.77	4.76	4.70	4.73	5.41	6.08	6.74	7.31	7.71	7.99
-150	6.24	5.48	4.91	4.49	4.22	4.00	3.82	3.64	3.41	3.13	2.90	3.24	3.64	4.10	4.57	5.02	5.41	5.68	5.79
-140	6.24	5.42	4.78	4.28	3.89	3.54	3.21	2.85	2.44	2.27	2.36	2.48	2.63	2.82	3.02	3.26	3.45	3.57	3.60
-130	6.24	5.38	4.68	4.11	3.61	3.19	2.75	2.30	2.11	2.10	2.09	2.06	2.02	2.00	2.05	2.11	2.15	2.17	2.16
-120	6.24	5.36	4.61	3.97	3.41	2.89	2.41	2.05	2.06	2.07	2.05	2.01	1.97	1.92	1.89	1.86	1.84	1.82	1.79
-110	6.24	5.36	4.60	3.89	3.26	2.67	2.12	1.97	2.00	2.02	2.03	2.03	2.03	2.03	2.03	2.04	2.04	2.04	2.04
-100	6.24	5.40	4.61	3.87	3.17	2.50	1.85	1.83	1.86	1.89	1.91	1.93	1.95	1.98	2.00	2.02	2.04	2.06	2.07
-90	6.24	5.47	4.70	3.94	3.17	2.40	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.64	1.64	1.65	1.66	1.66
-80	6.24	5.57	4.87	4.20	3.59	3.23	2.96	3.50	4.01	4.36	4.59	4.68	4.63	4.91	5.16	5.31	5.38	5.35	5.24
-70	6.24	5.69	5.27	6.00	7.25	8.77	10.4	12.2	13.8	15.2	16.3	17.1	17.7	18.5	19.2	19.7	19.9	19.8	19.5
-60	6.24	5.86	6.92	9.51	13.0	16.5	19.9	22.8	25.8	28.6	31.0	33.1	34.6	36.0	37.8	39.1	39.8	39.9	39.4
-50	6.24	6.11	9.06	13.9	19.4	24.9	29.7	34.3	39.4	44.6	49.6	54.3	58.6	62.0	66.3	70.3	72.8	73.8	73.0
-40	6.24	6.66	11.2	18.2	25.8	32.9	40.2	47.8	55.9	65.2	76.0	87.8	100.0	111	120	133	142	146	144
-30	6.24	7.32	13.5	22.2	31.4	40.8	51.0	62.7	76.4	93.6	116	144	177	212	244	269	299	315	312
-20	6.24	7.89	15.4	25.7	36.4	48.1	61.7	78.1	99.8	131	175	234	312	408	508	586	628	684	682
-10	6.24	8.32	16.8	28.3	40.4	54.0	70.4	91.5	122	169	247	367	541	765	1004	1238	1430	1499	1562
0	6.24	8.58	17.5	29.8	42.8	57.7	76.0	100	137	198	306	483	774	1188	1664	2111	2463	2703	2791
10	6.24	8.46	17.0	28.8	41.2	55.2	72.2	93.8	124	172	249	363	526	731	940	1144	1330	1374	1375
20	6.24	8.15	15.9	26.6	38.0	50.5	65.0	82.5	105	136	180	236	301	387	477	551	594	630	619
30	6.24	7.71	14.2	23.4	33.5	43.9	55.5	68.7	84.0	102	124	152	182	213	242	266	291	300	291
40	6.24	7.18	12.1	19.6	28.2	36.6	45.3	54.7	64.7	75.0	86.1	97.8	110	121	130	140	147	150	147
50	6.24	6.72	10.1	15.4	21.8	28.5	34.9	41.2	47.4	53.4	59.0	64.2	68.8	72.5	77.0	80.3	82.3	82.8	81.4
60	6.24	6.54	8.22	11.2	15.4	19.9	24.5	28.7	32.3	35.6	38.6	41.1	43.0	44.7	46.6	47.8	48.4	48.4	47.7
70	6.24	6.43	6.79	8.11	9.77	11.9	14.2	16.6	18.7	20.5	22.1	23.2	23.9	24.8	25.7	26.2	26.3	26.1	25.6
80	6.24	6.33	6.42	6.54	6.77	7.14	7.41	7.85	8.39	8.87	9.27	9.57	9.74	10.0	10.3	10.4	10.5	10.4	10.3
90	6.24	6.23	6.21	6.20	6.18	6.17	6.16	6.12	6.08	6.05	6.01	5.97	5.93	5.91	5.88	5.86	5.84	5.81	5.79
100	6.24	6.13	6.02	5.93	5.84	5.75	5.66	5.56	5.46	5.36	5.26	5.18	5.10	5.06	5.03	5.00	4.98	4.97	4.97
110	6.24	6.03	5.87	5.70	5.56	5.42	5.31	5.19	5.08	4.99	4.91	4.86	4.80	4.79	4.79	4.79	4.79	4.78	4.78
120	6.24	5.97	5.73	5.53	5.37	5.23	5.15	5.08	5.03	5.03	5.06	5.10	5.15	5.21	5.28	5.34	5.38	5.38	5.35
130	6.24	5.90	5.62	5.41	5.26	5.18	5.15	5.20	5.34	5.52	5.74	5.98	6.24	6.50	6.77	7.02	7.22	7.36	7.42
140	6.24	5.85	5.55	5.33	5.24	5.22	5.34	5.58	5.93	6.33	6.78	7.27	7.78	8.28	8.73	9.15	9.48	9.70	9.84
150	6.24	5.81	5.50	5.30	5.27	5.35	5.62	6.04	6.57	7.19	7.83	8.47	9.11	9.68	10.1	10.5	10.8	10.9	11.0
160	6.24	5.78	5.47	5.30	5.31	5.51	5.91	6.46	7.14	7.87	8.59	9.29	9.89	10.4	10.7	11.0	11.2	11.3	11.5
170	6.24	5.76	5.45	5.32	5.37	5.64	6.12	6.77	7.51	8.28	9.01	9.65	10.1	10.5	10.6	10.5	10.4	10.5	10.9
180	6.24	5.76	5.45	5.34	5.42	5.72	6.23	6.90	7.65	8.40	9.09	9.66	10.1	10.3	10.2	10.1	9.87	9.66	9.37

H_(b) Range: -90 - 90DEGH_(b) Interval: 0.5DEG

Test Speed: LOW

Temperature:25.3DEG

Operators:

Test Date:2024-10-25

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-RGBW DS-1545D-Rev1	TYPE:RGBW-DS W=4000K	WEIGHT:
SPEC.:20X45 DEG	DIM.:600MM	SERIAL No.:IES003074
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	8.77	8.17	7.62	7.06	6.39	5.65	4.90	4.19	3.58	3.08	2.68	2.42	2.24	2.13	2.02	1.91	1.77	1.64	
-170	8.82	8.41	7.92	7.20	6.40	5.58	4.78	4.06	3.46	2.98	2.62	2.38	2.23	2.12	2.02	1.92	1.77	1.64	
-160	7.80	7.46	6.98	6.34	5.66	4.98	4.28	3.66	3.16	2.77	2.50	2.31	2.19	2.10	2.01	1.91	1.76	1.64	
-150	5.75	5.56	5.23	4.81	4.34	3.88	3.46	3.10	2.77	2.53	2.36	2.24	2.16	2.09	2.01	1.89	1.75	1.64	
-140	3.63	3.56	3.42	3.22	3.02	2.82	2.65	2.51	2.41	2.33	2.24	2.18	2.12	2.06	1.98	1.87	1.74	1.64	
-130	2.21	2.22	2.21	2.18	2.16	2.16	2.17	2.19	2.20	2.19	2.16	2.13	2.08	2.02	1.93	1.83	1.72	1.64	
-120	1.84	1.88	1.92	1.97	2.01	2.05	2.09	2.12	2.13	2.12	2.11	2.07	2.02	1.96	1.88	1.79	1.69	1.64	
-110	2.05	2.05	2.07	2.07	2.08	2.08	2.08	2.09	2.07	2.05	2.03	1.99	1.94	1.87	1.81	1.74	1.67	1.64	
-100	2.06	2.05	2.03	2.02	1.99	1.97	1.96	1.94	1.92	1.90	1.87	1.85	1.81	1.77	1.72	1.68	1.65	1.64	
-90	1.65	1.64	1.63	1.62	1.61	1.60	1.62	1.63	1.64	1.65	1.66	1.67	1.67	1.66	1.66	1.65	1.65	1.64	
-80	5.39	5.46	5.43	5.30	5.08	4.82	4.89	4.82	4.60	4.23	3.75	3.20	2.74	2.38	2.07	1.77	1.65	1.64	
-70	19.8	19.9	19.7	19.2	18.4	17.7	17.3	16.5	15.5	14.1	12.4	10.5	8.30	6.09	4.17	2.71	1.77	1.64	
-60	39.8	39.5	38.7	37.3	35.4	34.2	32.8	31.0	28.8	26.2	23.2	19.5	15.4	11.4	7.64	4.35	2.17	1.64	
-50	73.5	72.2	69.4	65.3	60.8	57.4	53.3	48.8	44.1	39.3	34.2	28.6	22.9	17.0	11.4	6.38	2.70	1.64	
-40	145	140	131	118	109	97.4	85.5	74.0	63.7	54.4	45.6	37.5	30.0	22.5	15.1	8.49	3.32	1.64	
-30	312	293	262	238	206	172	139	112	89.4	71.5	57.6	46.2	36.3	27.3	18.3	10.3	3.89	1.64	
-20	683	622	581	503	402	306	228	168	123	90.8	69.5	54.0	41.6	31.0	21.0	11.8	4.37	1.64	
-10	1530	1471	1271	1023	777	546	365	239	159	109	79.7	60.2	45.6	33.6	22.8	12.8	4.70	1.64	
0	2703	2472	2132	1704	1234	797	485	296	185	121	85.3	63.4	47.6	34.9	23.6	13.3	4.84	1.64	
10	1396	1354	1167	957	745	533	362	241	163	112	82.1	62.0	46.9	34.5	23.3	13.0	4.82	1.64	
20	629	584	547	476	384	297	232	174	129	96.5	74.1	57.4	44.0	32.6	21.9	12.2	4.62	1.64	
30	297	287	260	236	209	179	149	122	98.7	79.5	63.8	50.8	39.5	29.3	19.6	11.0	4.26	1.64	
40	149	146	138	127	119	108	96.2	84.7	73.9	63.3	52.5	42.7	33.6	24.9	16.6	9.31	3.81	1.64	
50	82.5	81.8	79.4	75.8	71.3	67.6	63.2	58.3	53.0	47.4	41.1	33.8	26.6	19.5	13.0	7.39	3.30	1.64	
60	48.3	48.2	47.4	46.0	44.2	42.7	40.9	38.7	35.9	32.7	29.1	24.2	18.8	13.8	9.29	5.57	2.83	1.64	
70	26.1	26.3	26.2	25.7	25.0	24.1	23.4	22.3	20.9	19.0	16.9	14.3	11.3	8.53	6.15	4.16	2.47	1.64	
80	10.5	10.5	10.5	10.4	10.2	9.92	9.75	9.43	9.01	8.51	7.94	7.38	6.44	5.43	4.32	3.25	2.39	1.64	
90	5.79	5.79	5.80	5.80	5.80	5.80	5.84	5.88	5.91	5.95	5.99	6.02	5.29	4.56	3.83	3.10	2.37	1.64	
100	4.97	4.98	4.99	5.01	5.02	5.05	5.12	5.20	5.28	5.36	5.45	5.50	4.92	4.32	3.69	3.03	2.35	1.64	
110	4.80	4.83	4.85	4.87	4.88	4.90	4.94	4.98	5.03	5.10	5.18	5.09	4.60	4.09	3.55	2.96	2.31	1.64	
120	5.41	5.44	5.44	5.41	5.36	5.31	5.25	5.20	5.15	5.12	5.14	4.80	4.33	3.86	3.38	2.86	2.27	1.64	
130	7.41	7.31	7.15	6.94	6.69	6.42	6.16	5.91	5.68	5.49	5.13	4.54	4.08	3.64	3.21	2.74	2.22	1.64	
140	9.76	9.58	9.31	8.94	8.48	7.96	7.44	6.94	6.50	5.87	5.03	4.35	3.81	3.40	3.01	2.61	2.15	1.64	
150	11.0	10.9	10.7	10.3	9.86	9.27	8.65	7.97	6.81	5.70	4.79	4.07	3.53	3.13	2.80	2.46	2.07	1.64	
160	11.4	11.4	11.3	11.0	10.6	10.1	8.77	7.45	6.22	5.18	4.32	3.66	3.18	2.82	2.55	2.29	1.97	1.64	
170	10.9	10.9	10.9	10.4	9.36	8.27	7.15	6.07	5.11	4.27	3.60	3.09	2.74	2.49	2.30	2.11	1.88	1.64	
180	8.77	8.17	7.62	7.06	6.39	5.65	4.90	4.19	3.58	3.08	2.68	2.42	2.24	2.13	2.02	1.91	1.77	1.64	

H_(b) Range:-90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:
Test Date:2024-10-25

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: