

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	2052.4 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	69.9V x 69.3H
	At 50% of Imax	31.3V x 31.3H
	At 90% of Imax	10.9V x 10.9H

Beam Flux	Total	999.8 lumens per klm.
	To 10% of Imax	750.2 lumens per klm.
	To 50% of Imax	338.0 lumens per klm.
	To 90% of Imax	56.4 lumens per klm.

Upward LOR	2.3 %
Downward LOR	97.6 %

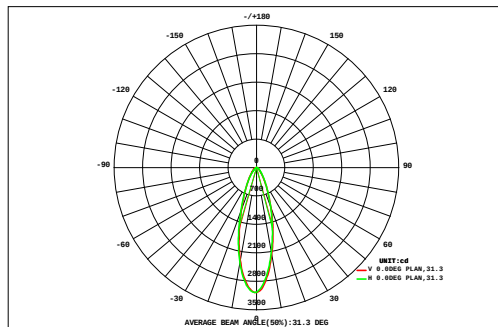
Luminaire Efficiency(Light Output Ratio)	100.0 %
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H_(b) Range:-90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:
Test Date:2024-10-25

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-30D-Rev1	TYPE:RGBW-DS W=4000K	WEIGHT:
SPEC.:30 DEG	DIM.:600MM	SERIAL No.:IES003072
MFR.:	SUR.:1	Shielding Angle:



DATA OF LAMP		Eff:72.69lm/W	
MODEL		Imax(cd)	3075
NOMINAL POWER(W)	20.6	AVAILABILITY(%)	75.1
RATED VOLTAGE(V)	24	Avai. FLUX(lm)	1124
NOMINAL FLUX(lm)	1498	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	1498
TEST VOLTAGE(V)	24	q @50%(H,V)	31,31DEG

		AREA FLUX DIAGRAM																UNIT:lm				F t	F a
		0.44	0.55	0.67	0.80	0.94	1.08	1.19	1.28	1.32	1.30	1.25	1.15	1.02	0.88	0.74	0.62	0.51	0.41	16.1	0.00		
VERTICAL (DEG)	45	0.52	0.66	0.84	1.04	1.26	1.48	1.68	1.84	1.91	1.89	1.78	1.61	1.39	1.17	0.95	0.77	0.61	0.48	21.9	0.00		
	40	0.61	0.80	1.04	1.34	1.68	2.07	2.41	2.67	2.79	2.76	2.59	2.29	1.92	1.54	1.22	0.95	0.73	0.55	30.0	13.6		
	35	0.70	0.96	1.29	1.71	2.25	2.86	3.46	3.93	4.16	4.11	3.79	3.27	2.65	2.05	1.55	1.16	0.86	0.63	41.4	30.3		
	30	0.80	1.12	1.56	2.16	2.95	3.92	4.98	5.86	6.29	6.21	5.62	4.68	3.62	2.68	1.93	1.39	0.99	0.70	57.5	48.7		
	25	0.89	1.28	1.85	2.65	3.79	5.30	7.09	8.70	9.50	9.33	8.27	6.59	4.86	3.42	2.36	1.63	1.12	0.76	79.4	72.1		
	20	0.98	1.43	2.13	3.17	4.71	6.91	9.70	12.4	13.7	13.4	11.6	8.88	6.26	4.25	2.82	1.86	1.23	0.82	106	100		
	15	1.04	1.55	2.36	3.61	5.57	8.51	12.3	16.2	18.4	17.7	14.8	11.1	7.78	5.12	3.26	2.06	1.32	0.86	134	128		
	10	1.07	1.62	2.50	3.88	6.13	9.64	14.3	18.9	21.9	21.1	17.5	13.2	9.06	5.77	3.54	2.18	1.36	0.87	155	149		
	5	1.06	1.62	2.51	3.94	6.27	9.97	14.9	19.8	22.6	22.1	18.5	13.7	9.33	5.88	3.58	2.19	1.36	0.87	160	155		
	0	1.02	1.55	2.40	3.75	5.93	9.35	13.8	17.7	19.9	19.3	16.3	12.3	8.44	5.39	3.35	2.07	1.30	0.84	145	139		
-15	0.95	1.42	2.17	3.33	5.13	7.72	10.8	13.7	15.4	15.0	12.7	9.79	6.88	4.55	2.92	1.86	1.20	0.79	116	110			
	0.86	1.26	1.87	2.78	4.08	5.79	7.77	9.60	10.7	10.5	9.03	7.11	5.20	3.60	2.42	1.60	1.07	0.72	85.9	79.2			
	0.76	1.08	1.54	2.21	3.09	4.17	5.35	6.38	6.97	6.85	6.05	4.91	3.76	2.73	1.92	1.32	0.92	0.64	60.7	52.3			
	0.65	0.90	1.24	1.70	2.28	2.95	3.63	4.19	4.50	4.42	3.99	3.35	2.66	2.02	1.49	1.08	0.78	0.56	42.4	31.7			
	0.55	0.73	0.98	1.29	1.66	2.06	2.45	2.76	2.93	2.88	2.64	2.28	1.87	1.48	1.14	0.86	0.65	0.49	29.7	14.1			
-30	0.46	0.59	0.76	0.97	1.20	1.44	1.66	1.82	1.91	1.88	1.75	1.55	1.32	1.08	0.87	0.68	0.53	0.41	20.9	0.00			
	0.38	0.47	0.59	0.72	0.86	1.00	1.13	1.22	1.26	1.25	1.18	1.07	0.93	0.78	0.65	0.53	0.43	0.34	14.8	0.00			
-45	-45	-40	-35	-30	-25	-20	-15	-10	HORIZONTAL (DEG)				10	15	20	25	30	35	40	45			
F t	13.7	19.6	28.3	41.0	59.7	86.2	119	149	166	162	139	109	78.9	54.4	36.7	24.8	17.0	11.7	1316	---			
F a	0.00	0.62	14.3	30.2	50.6	78.2	112	142	160	155	132	101	70.5	44.5	24.8	7.50	0.00	0.00	---	1124			

one-half-peak spread: U:16.7,D:14.9 , L:15.6,R:16.0

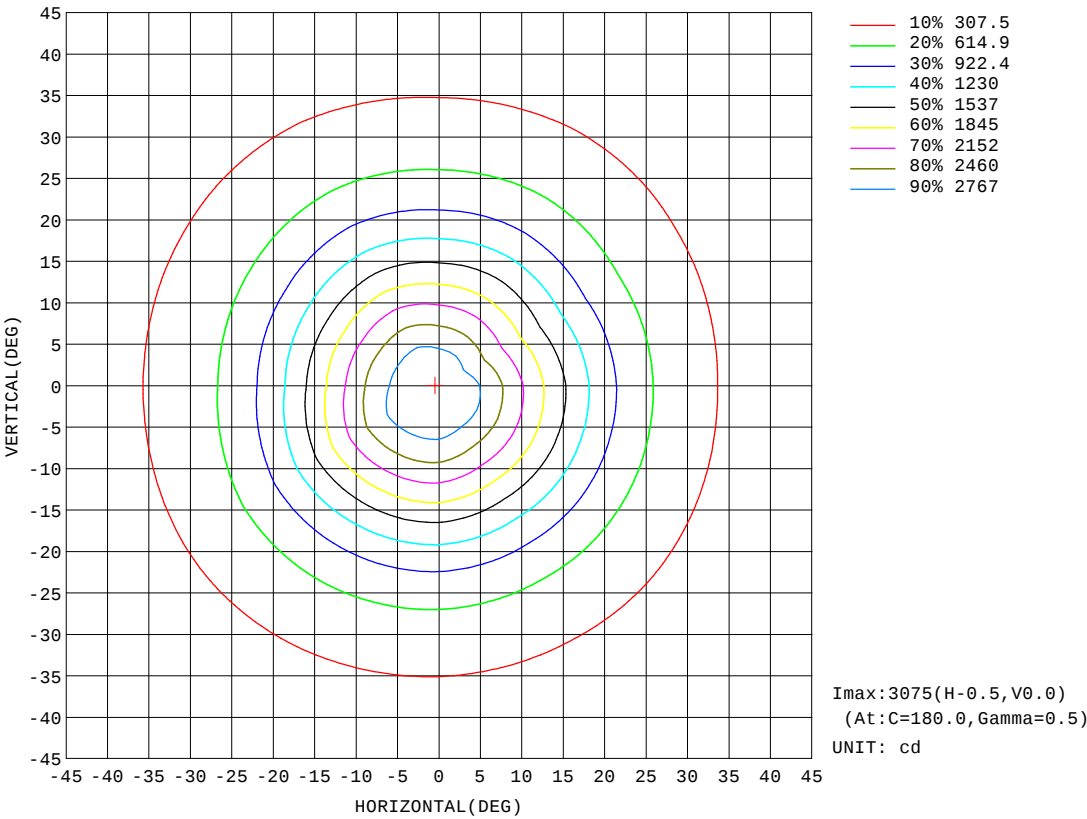
NEMA Beam Type: Type 4

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-30D-Rev1	TYPE:RGBW-DS W=4000K	WEIGHT:
SPEC.:30 DEG	DIM.:600MM	SERIAL No.:IES003072
MFR.:	SUR.:1	Shielding Angle:

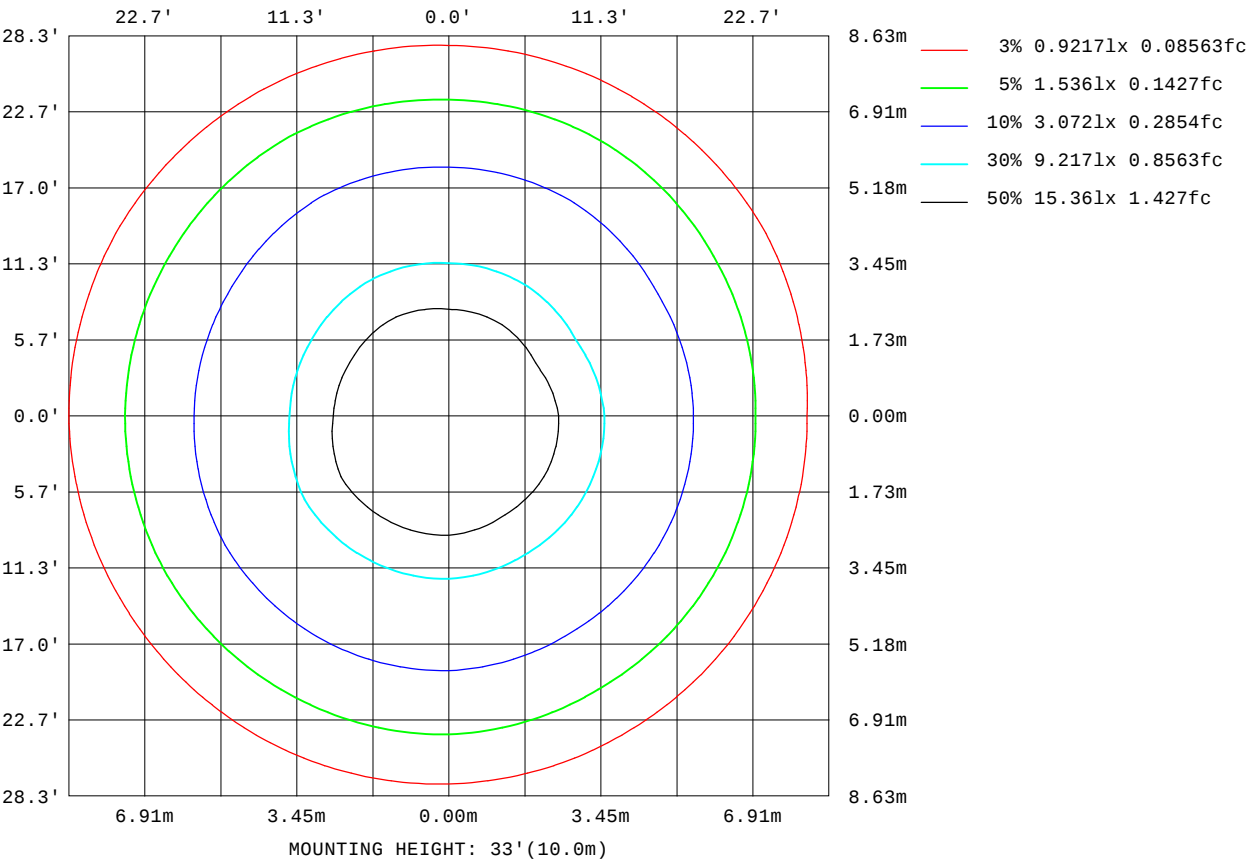


H_(b) Range:-90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:
Test Date:2024-10-25

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:

ISOLUX DIAGRAM

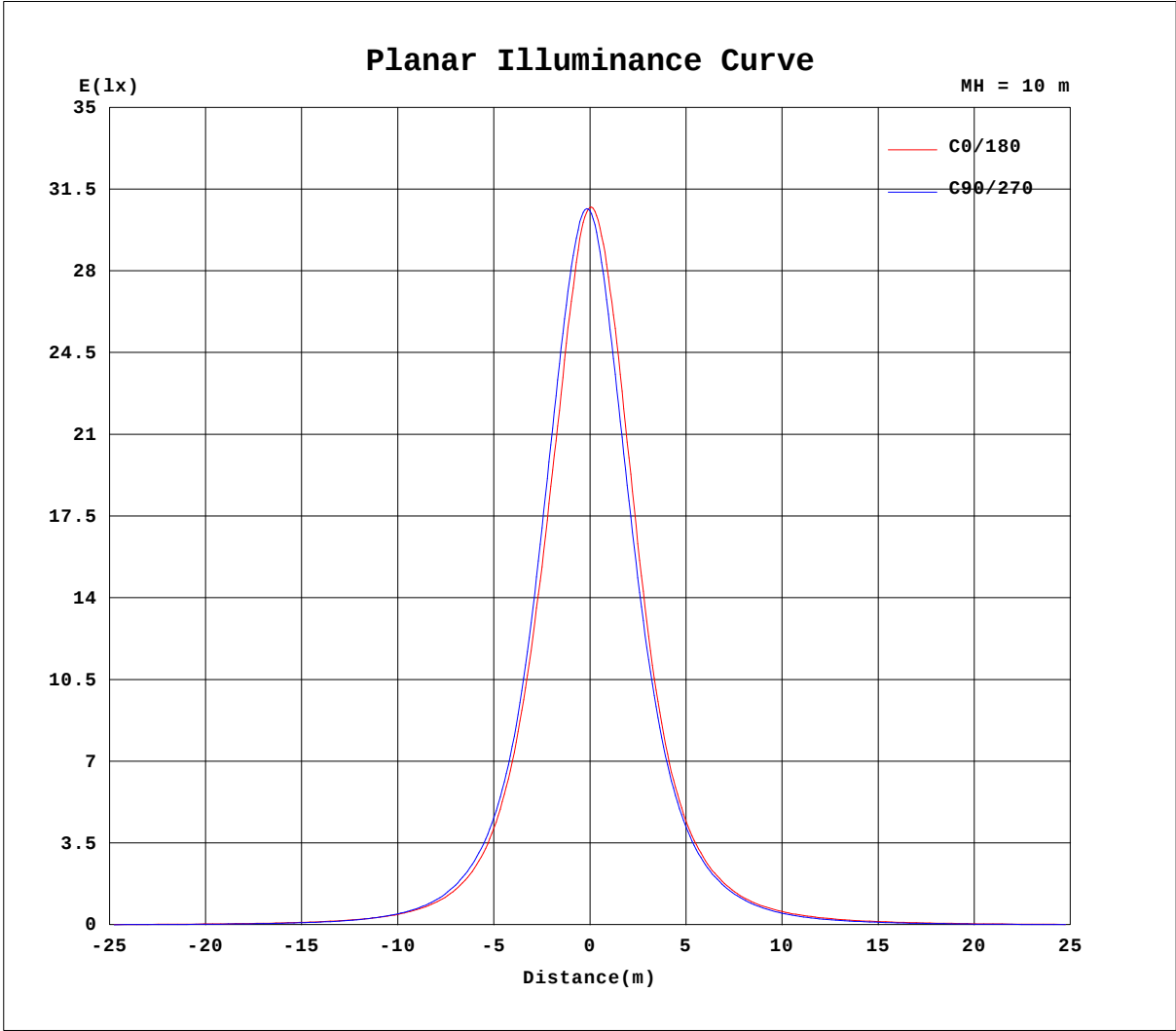
NAME:BlazeLine Mini-600mm-RGBW DS-30D-Rev1	TYPE:RGBW-DS W=4000K	WEIGHT:
SPEC.:30 DEG	DIM.:600MM	SERIAL No.:IES003072
MFR.:	SUR.:1	Shielding Angle:



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

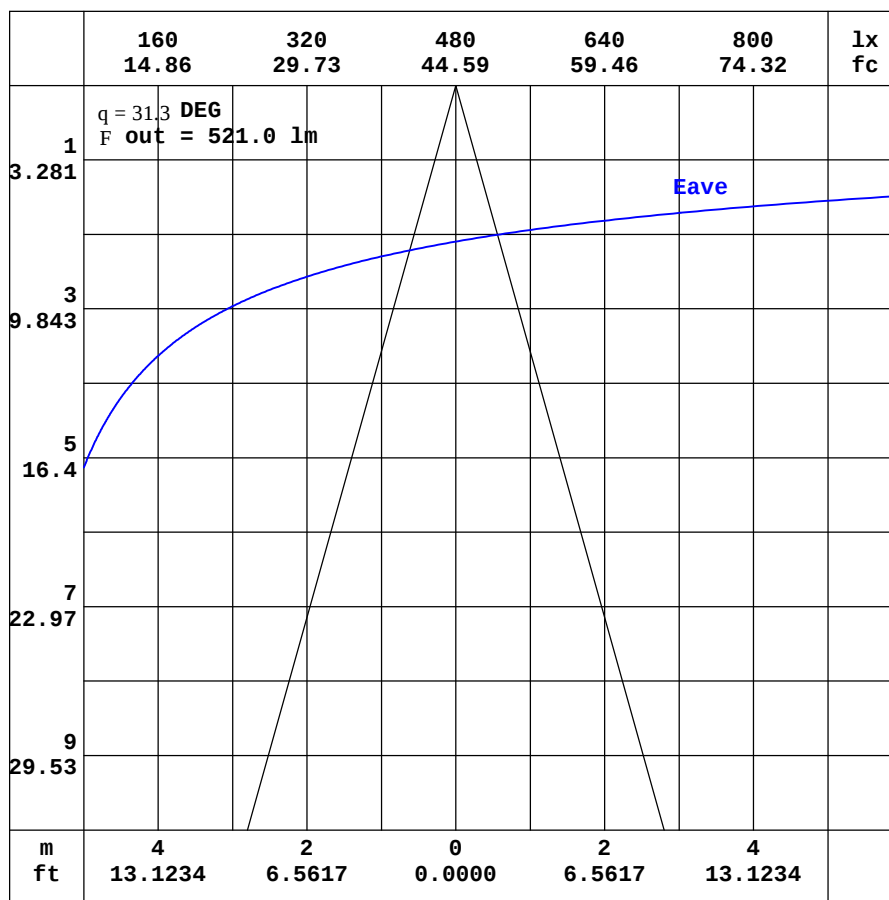


H_b Range: -90 - 90DEG
H_b Interval: 0.5DEG
Test Speed: LOW
Temperature: 25.3DEG
Operators:
Test Date: 2024-10-25

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-30D-Rev1	TYPE:RGBW-DS W=4000K	WEIGHT:
SPEC.:30 DEG	DIM.:600MM	SERIAL No.:IES003072
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-30D-Rev1	TYPE:RGBW-DS W=4000K	WEIGHT:
SPEC.:30 DEG	DIM.:600MM	SERIAL No.:IES003072
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	6.66	6.14	5.73	5.47	5.48	5.73	6.27	7.08	8.12	9.22	10.2	11.0	11.5	11.7	11.7	11.5	11.3	11.0	10.9
-170	6.66	6.02	5.54	5.19	5.09	5.17	5.45	5.91	6.50	7.11	7.64	8.02	8.23	8.27	8.16	8.28	8.93	9.44	9.76
-160	6.66	5.93	5.37	4.94	4.72	4.61	4.63	4.72	4.86	4.96	5.00	4.94	4.92	5.77	6.57	7.31	7.93	8.32	8.55
-150	6.66	5.85	5.22	4.72	4.37	4.10	3.91	3.71	3.46	3.15	2.88	3.32	3.84	4.43	5.01	5.55	5.98	6.27	6.40
-140	6.66	5.79	5.10	4.53	4.08	3.70	3.34	2.97	2.52	2.33	2.45	2.62	2.86	3.15	3.44	3.74	3.97	4.14	4.20
-130	6.66	5.75	5.00	4.39	3.85	3.39	2.95	2.48	2.28	2.28	2.27	2.27	2.30	2.36	2.45	2.55	2.64	2.69	2.71
-120	6.66	5.73	4.95	4.27	3.68	3.15	2.66	2.29	2.29	2.28	2.28	2.27	2.25	2.23	2.23	2.23	2.22	2.23	2.23
-110	6.66	5.74	4.93	4.19	3.53	2.94	2.38	2.24	2.26	2.27	2.27	2.28	2.27	2.27	2.27	2.26	2.26	2.25	2.24
-100	6.66	5.78	4.95	4.16	3.43	2.73	2.07	2.05	2.07	2.10	2.12	2.13	2.14	2.17	2.19	2.20	2.22	2.23	2.24
-90	6.66	5.85	5.03	4.21	3.40	2.58	1.76	1.76	1.76	1.76	1.75	1.75	1.75	1.75	1.76	1.77	1.78	1.78	1.79
-80	6.66	5.94	5.20	4.47	3.75	3.17	2.57	2.97	3.43	3.80	4.01	4.00	3.82	4.02	4.23	4.37	4.43	4.41	4.31
-70	6.66	6.07	5.56	6.00	6.96	8.40	10.2	12.1	13.9	15.4	16.6	17.6	18.4	19.4	20.3	20.9	21.2	21.1	20.7
-60	6.66	6.24	7.07	9.51	13.1	16.8	20.4	23.6	26.9	30.0	32.9	35.6	37.8	39.8	42.0	43.7	44.6	44.9	44.5
-50	6.66	6.47	9.18	14.1	19.7	25.4	30.5	35.5	41.0	46.7	52.7	58.8	65.1	71.3	77.9	83.7	88.0	90.2	90.0
-40	6.66	6.99	11.5	18.5	26.2	33.4	40.7	48.5	57.2	67.7	80.4	95.5	113	133	154	174	190	200	202
-30	6.66	7.64	13.8	22.5	31.7	40.8	50.7	62.1	76.3	94.7	119	151	193	245	306	370	426	464	475
-20	6.66	8.23	15.8	26.1	36.4	47.4	60.0	75.4	96.1	125	165	224	313	431	586	771	958	1100	1147
-10	6.66	8.68	17.2	28.6	40.0	52.5	67.2	85.9	112	150	206	296	430	640	970	1431	1912	2263	2371
0	6.66	8.96	18.0	30.0	42.2	55.5	71.3	91.8	120	162	225	325	476	713	1098	1658	2314	2862	3072
10	6.66	8.83	17.5	29.1	41.0	54.0	69.2	88.5	115	153	209	293	417	603	882	1268	1717	2061	2114
20	6.66	8.53	16.3	27.1	38.2	50.2	63.8	80.4	102	131	173	229	305	410	545	713	884	990	1018
30	6.66	8.09	14.5	24.0	34.1	44.5	55.9	69.0	84.9	105	129	162	200	248	305	361	408	440	445
40	6.66	7.57	12.4	20.1	29.0	37.6	46.6	56.4	67.3	78.9	92.1	107	125	144	164	182	196	205	207
50	6.66	7.14	10.4	15.8	22.5	29.6	36.4	43.4	50.3	56.9	63.7	70.4	77.1	83.9	90.5	95.5	99.0	101	99.7
60	6.66	6.97	8.60	11.5	15.7	20.7	25.7	30.4	34.5	38.3	41.9	45.3	47.9	50.4	52.8	54.3	55.2	55.3	54.7
70	6.66	6.87	7.22	8.47	9.91	12.0	14.5	17.3	19.6	21.7	23.5	24.9	25.9	27.1	28.1	28.8	29.0	28.8	28.3
80	6.66	6.76	6.87	6.98	7.24	7.62	7.78	8.12	8.53	8.96	9.34	9.65	9.79	10.1	10.3	10.4	10.4	10.3	10.2
90	6.66	6.65	6.64	6.63	6.62	6.61	6.60	6.57	6.54	6.51	6.48	6.45	6.42	6.40	6.38	6.36	6.34	6.32	6.30
100	6.66	6.55	6.44	6.34	6.24	6.15	6.06	5.96	5.86	5.78	5.69	5.62	5.55	5.51	5.48	5.45	5.43	5.42	5.40
110	6.66	6.45	6.27	6.09	5.93	5.78	5.66	5.55	5.44	5.36	5.31	5.27	5.25	5.24	5.25	5.24	5.24	5.24	5.23
120	6.66	6.37	6.12	5.89	5.69	5.53	5.43	5.37	5.33	5.34	5.41	5.50	5.61	5.74	5.86	5.98	6.07	6.13	6.16
130	6.66	6.30	5.98	5.73	5.53	5.41	5.38	5.40	5.55	5.79	6.07	6.41	6.76	7.11	7.46	7.75	8.00	8.15	8.23
140	6.66	6.24	5.89	5.61	5.44	5.40	5.48	5.72	6.10	6.60	7.19	7.82	8.45	9.03	9.53	9.93	10.2	10.4	10.5
150	6.66	6.19	5.82	5.54	5.43	5.46	5.71	6.17	6.81	7.59	8.43	9.26	10.0	10.6	11.1	11.5	11.7	11.9	11.9
160	6.66	6.16	5.77	5.49	5.44	5.58	5.98	6.62	7.48	8.46	9.44	10.3	11.0	11.5	11.8	12.0	12.2	12.3	12.4
170	6.66	6.14	5.74	5.47	5.46	5.68	6.18	6.95	7.95	9.03	10.0	10.8	11.4	11.7	11.7	11.7	11.6	11.5	11.7
180	6.66	6.14	5.73	5.47	5.48	5.73	6.27	7.08	8.12	9.22	10.2	11.0	11.5	11.7	11.7	11.5	11.3	11.0	10.9

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-30D-Rev1	TYPE:RGBW-DS W=4000K	WEIGHT:
SPEC.:30 DEG	DIM.:600MM	SERIAL No.:IES003072
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	10.0	9.43	8.86	8.19	7.33	6.37	5.37	4.42	3.59	2.95	2.53	2.33	2.30	2.30	2.30	2.23	2.05	1.85	
-170	9.45	9.12	8.65	7.92	7.07	6.13	5.15	4.23	3.44	2.86	2.49	2.32	2.30	2.30	2.30	2.23	2.05	1.85	
-160	8.41	8.10	7.59	6.91	6.14	5.31	4.47	3.72	3.10	2.66	2.42	2.31	2.30	2.30	2.29	2.22	2.04	1.85	
-150	6.35	6.14	5.78	5.28	4.71	4.12	3.56	3.08	2.70	2.46	2.33	2.30	2.30	2.30	2.31	2.29	2.20	2.03	1.85
-140	4.19	4.08	3.88	3.62	3.32	3.01	2.74	2.54	2.40	2.33	2.30	2.30	2.30	2.30	2.31	2.28	2.17	2.01	1.85
-130	2.71	2.68	2.60	2.52	2.42	2.35	2.30	2.29	2.29	2.30	2.30	2.30	2.31	2.30	2.24	2.13	1.98	1.85	
-120	2.23	2.22	2.23	2.23	2.24	2.25	2.27	2.29	2.30	2.30	2.32	2.31	2.31	2.25	2.18	2.07	1.95	1.85	
-110	2.25	2.26	2.27	2.28	2.29	2.29	2.29	2.30	2.30	2.30	2.30	2.27	2.23	2.17	2.09	2.01	1.91	1.85	
-100	2.24	2.23	2.23	2.22	2.21	2.19	2.19	2.18	2.17	2.16	2.14	2.12	2.08	2.03	1.98	1.93	1.88	1.85	
-90	1.79	1.80	1.80	1.81	1.81	1.82	1.83	1.84	1.85	1.86	1.88	1.89	1.88	1.88	1.87	1.86	1.86	1.85	
-80	4.45	4.52	4.49	4.39	4.19	4.00	4.28	4.38	4.26	3.94	3.52	2.98	2.75	2.49	2.23	1.96	1.85	1.85	
-70	21.0	20.9	20.5	19.9	18.9	18.0	17.3	16.4	15.2	13.8	12.1	10.3	8.04	5.88	4.11	2.81	1.95	1.85	
-60	44.4	43.6	42.2	40.2	37.9	35.9	33.8	31.4	28.8	26.0	23.0	19.2	15.1	11.2	7.44	4.36	2.31	1.85	
-50	88.7	85.0	79.7	73.2	66.4	60.4	54.5	48.9	43.6	38.6	33.4	27.9	22.3	16.6	11.2	6.34	2.82	1.85	
-40	195	181	163	141	120	102	86.1	72.7	61.6	52.0	43.3	35.7	28.7	21.6	14.7	8.31	3.41	1.85	
-30	450	400	337	274	217	170	133	105	82.8	66.0	53.1	42.8	34.1	25.9	17.7	10.1	3.99	1.85	
-20	1059	888	700	523	377	267	192	140	104	79.6	61.8	48.8	38.3	29.1	20.0	11.5	4.47	1.85	
-10	2125	1730	1273	868	573	375	249	173	122	89.8	68.1	52.8	41.0	31.2	21.6	12.5	4.81	1.85	
0	2758	2170	1570	1054	666	423	275	185	128	93.2	70.2	54.3	42.2	32.0	22.2	12.9	4.96	1.85	
10	1938	1565	1144	801	547	369	252	177	126	93.2	70.8	54.8	42.4	32.1	22.1	12.7	4.94	1.85	
20	961	833	662	497	368	271	201	150	112	86.0	66.9	52.5	40.9	30.8	21.0	12.0	4.74	1.85	
30	430	391	338	282	226	182	146	117	93.5	74.7	59.9	47.9	37.6	28.2	19.0	10.8	4.39	1.85	
40	202	190	172	154	133	115	98.6	84.8	72.9	61.9	51.0	41.4	32.7	24.2	16.2	9.18	3.94	1.85	
50	99.2	96.3	91.8	86.0	79.0	72.5	66.0	59.7	53.6	47.6	41.1	33.6	26.3	19.2	12.8	7.43	3.45	1.85	
60	54.8	54.1	52.8	50.9	48.3	45.7	43.2	40.2	36.9	33.4	29.6	24.2	18.8	13.7	9.20	5.72	3.00	1.85	
70	28.7	28.7	28.3	27.6	26.5	25.4	24.5	23.0	21.2	19.2	17.0	14.4	11.2	8.51	6.31	4.36	2.68	1.85	
80	10.4	10.4	10.4	10.3	10.1	9.81	9.68	9.43	9.08	8.61	8.12	7.61	6.75	5.74	4.58	3.49	2.62	1.85	
90	6.30	6.30	6.31	6.31	6.31	6.31	6.33	6.35	6.37	6.38	6.40	6.42	5.66	4.90	4.14	3.37	2.61	1.85	
100	5.41	5.42	5.43	5.45	5.47	5.50	5.56	5.62	5.69	5.76	5.84	5.88	5.28	4.66	4.01	3.33	2.60	1.85	
110	5.25	5.27	5.28	5.30	5.30	5.30	5.32	5.34	5.37	5.42	5.50	5.42	4.94	4.43	3.87	3.26	2.58	1.85	
120	6.17	6.14	6.08	5.99	5.88	5.76	5.64	5.53	5.44	5.39	5.40	5.07	4.63	4.19	3.71	3.17	2.55	1.85	
130	8.21	8.11	7.93	7.68	7.36	7.01	6.65	6.30	5.98	5.72	5.33	4.77	4.34	3.94	3.53	3.06	2.50	1.85	
140	10.5	10.3	10.1	9.76	9.31	8.76	8.15	7.52	6.91	6.13	5.21	4.52	4.03	3.67	3.32	2.93	2.43	1.85	
150	11.9	11.8	11.6	11.3	10.8	10.3	9.60	8.79	7.36	6.00	4.94	4.21	3.71	3.37	3.09	2.77	2.35	1.85	
160	12.3	12.2	12.2	11.9	11.6	11.2	9.77	8.21	6.71	5.43	4.43	3.73	3.31	3.04	2.83	2.61	2.26	1.85	
170	11.6	11.7	11.8	11.3	10.3	9.16	7.90	6.60	5.40	4.37	3.59	3.09	2.83	2.68	2.57	2.42	2.16	1.85	
180	10.0	9.43	8.86	8.19	7.33	6.37	5.37	4.42	3.59	2.95	2.53	2.33	2.30	2.30	2.30	2.23	2.05	1.85	

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: