

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity (Luminaire orientation as tested.)	929.4 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
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Beam Spread	At 10% of Imax	99.7V x 102.2H
	At 50% of Imax	58.1V x 59.0H
	At 90% of Imax	23.1V x 24.1H

Beam Flux	Total	1000.3 lumens per klm.
	To 10% of Imax	878.0 lumens per klm.
	To 50% of Imax	545.4 lumens per klm.
	To 90% of Imax	116.4 lumens per klm.

Upward LOR	2.3 %
Downward LOR	97.7 %

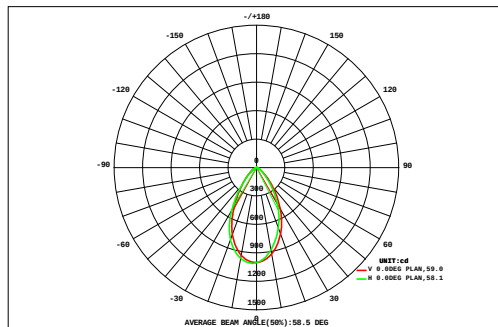
Luminaire Efficiency(Light Output Ratio)	100.0 %
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H_(b) Range:-90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:Fan
Test Date:2023-10-07

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 Max-598mm-RGBW DS-All-60D-Rev1	TYPE:RGBW-DS W=3000K	WEIGHT:
SPEC.:60 DEG	DIM.:598MM	SERIAL No.:IES001829
MFR.:	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:46.62lm/W	
MODEL		Imax(cd)	1009
NOMINAL POWER(W)	23.5	AVAILABILITY(%)	87.8
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	953.8
NOMINAL FLUX(lm)	1086	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	1086
TEST VOLTAGE(V)	220	q @50%(H,V)	59,58DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		F t	F a
	0.01	0.04	0.07	0.09	0.12	0.14	0.16	0.17	0.17	0.17	0.17	0.16	0.14	0.12	0.09	0.06	0.02	0.01	1.89	0.00
90	0.01	0.04	0.08	0.13	0.19	0.26	0.33	0.39	0.42	0.43	0.39	0.34	0.27	0.20	0.13	0.07	0.03	0.01	3.71	0.00
80	0.01	0.05	0.11	0.22	0.37	0.55	0.74	0.90	1.00	1.00	0.91	0.75	0.57	0.39	0.23	0.11	0.04	0.01	7.94	0.00
70	0.01	0.06	0.17	0.36	0.65	1.01	1.43	1.83	2.09	2.10	1.85	1.46	1.04	0.67	0.37	0.17	0.05	0.01	15.3	0.00
60	0.02	0.08	0.24	0.54	1.03	1.78	2.75	3.80	4.55	4.59	3.88	2.84	1.86	1.08	0.55	0.23	0.06	0.01	29.9	19.0
50	0.02	0.10	0.32	0.75	1.57	3.01	5.23	7.86	9.62	9.67	8.03	5.49	3.22	1.66	0.75	0.30	0.08	0.01	57.7	51.6
40	0.02	0.11	0.40	0.98	2.25	4.77	9.06	13.9	16.7	16.7	14.1	9.53	5.20	2.40	0.97	0.36	0.09	0.01	97.5	93.0
30	0.02	0.13	0.46	1.18	2.97	6.80	13.1	19.6	23.3	23.3	19.8	13.7	7.44	3.22	1.17	0.40	0.11	0.01	137	133
	0.02	0.14	0.49	1.32	3.50	8.31	16.2	23.8	28.3	28.1	23.7	16.6	9.11	3.83	1.29	0.43	0.11	0.01	165	162
	0.02	0.13	0.49	1.30	3.51	8.53	17.0	25.3	29.7	29.2	24.3	17.0	9.25	3.84	1.28	0.42	0.11	0.01	171	168
	0.02	0.12	0.43	1.14	2.97	7.23	14.9	22.8	26.9	26.1	21.5	14.6	7.75	3.21	1.13	0.38	0.10	0.01	151	147
	0.02	0.10	0.36	0.90	2.17	5.01	10.2	16.4	20.0	19.7	15.9	10.4	5.38	2.34	0.90	0.33	0.09	0.01	110	106
-30	0.01	0.08	0.28	0.65	1.41	2.97	5.59	8.84	11.1	11.1	8.84	5.77	3.17	1.52	0.65	0.26	0.07	0.01	62.4	56.5
-40	0.01	0.06	0.20	0.43	0.85	1.58	2.62	3.84	4.73	4.75	3.89	2.70	1.67	0.91	0.44	0.19	0.05	0.01	28.9	18.3
-50	0.01	0.05	0.12	0.26	0.49	0.81	1.19	1.60	1.89	1.90	1.62	1.22	0.84	0.51	0.27	0.12	0.03	0.00	12.9	0.00
-60	0.01	0.03	0.07	0.13	0.24	0.38	0.52	0.67	0.77	0.77	0.68	0.54	0.39	0.25	0.14	0.06	0.02	0.00	5.67	0.00
-70	0.01	0.03	0.03	0.05	0.08	0.13	0.17	0.22	0.24	0.25	0.22	0.18	0.13	0.09	0.05	0.03	0.01	0.00	1.92	0.00
-80	0.01	0.02	0.02	0.02	0.03	0.04	0.04	0.05	0.05	0.05	0.05	0.04	0.04	0.03	0.02	0.02	0.01	0.00	0.54	0.00
-90	0.01	0.02	0.02	0.02	0.03	0.04	0.04	0.05	0.05	0.05	0.05	0.04	0.04	0.03	0.02	0.02	0.01	0.00	0.54	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
F t	0.26	1.39	4.35	10.4	24.4	53.3	101	152	182	180	150	103	57.4	26.2	10.4	3.92	1.08	0.12	1061	---
F a	0.00	0.00	0.00	0.22	15.0	45.6	93.9	145	175	173	143	96.1	49.9	17.3	0.35	0.00	0.00	0.00	---	954

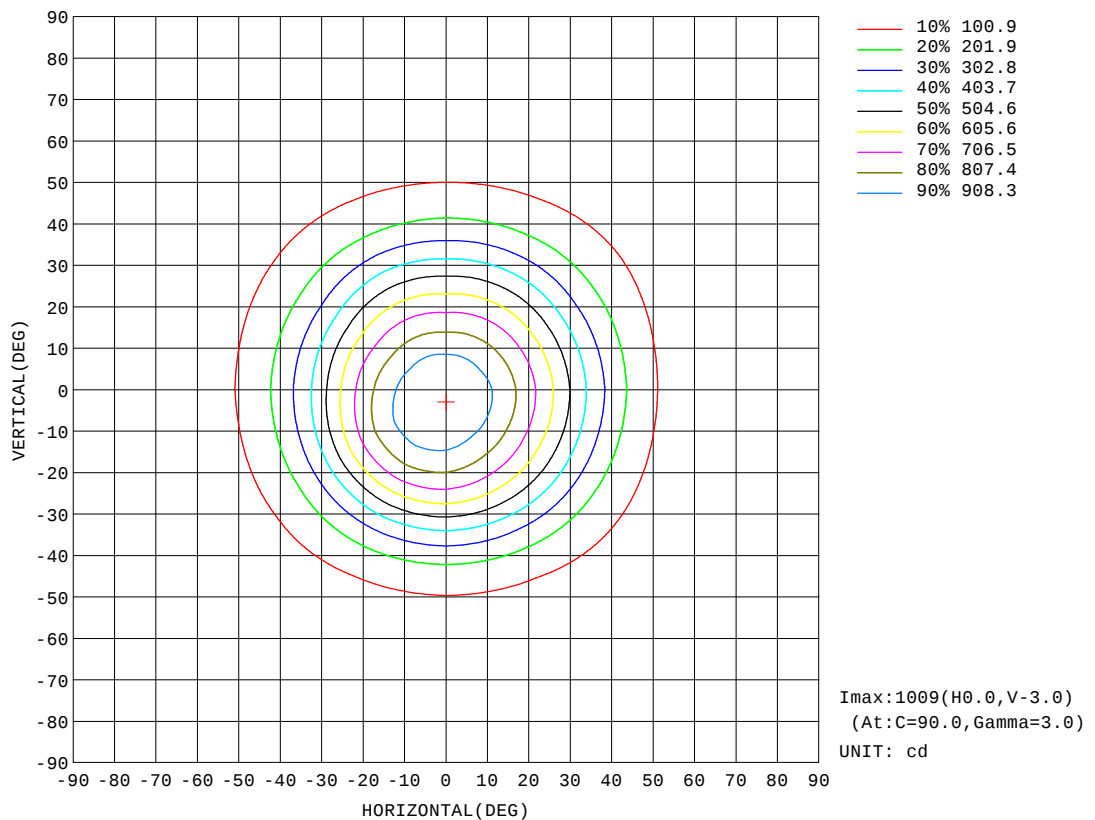
one-half-peak spread: U:27.9,D:30.5 , L:28.6, ~~NEC~~ Beam Type: Type 6 x 5 (H x V)

H_(b) Range: -90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: LOW
Temperature: 25.3DEG
Operators: Fan
Test Date: 2023-10-07

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 Max-598mm-RGBW DS-A11-60D-Rev1	TYPE:RGBW-DS W=3000K	WEIGHT:
SPEC.:60 DEG	DIM.:598MM	SERIAL No.:IES001829
MFR.:	SUR.:	Shielding Angle:

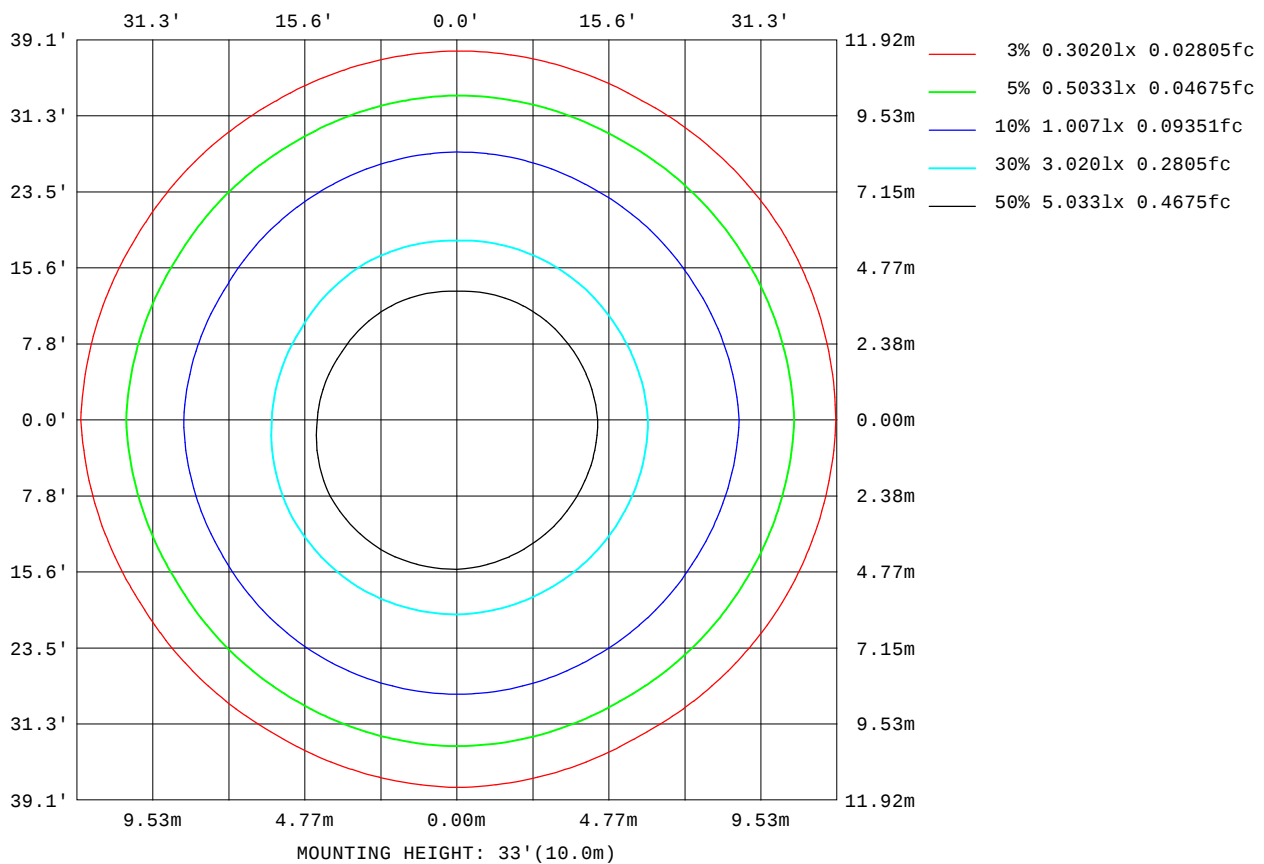


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H_(b) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:Fan
Test Date:2023-10-07

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

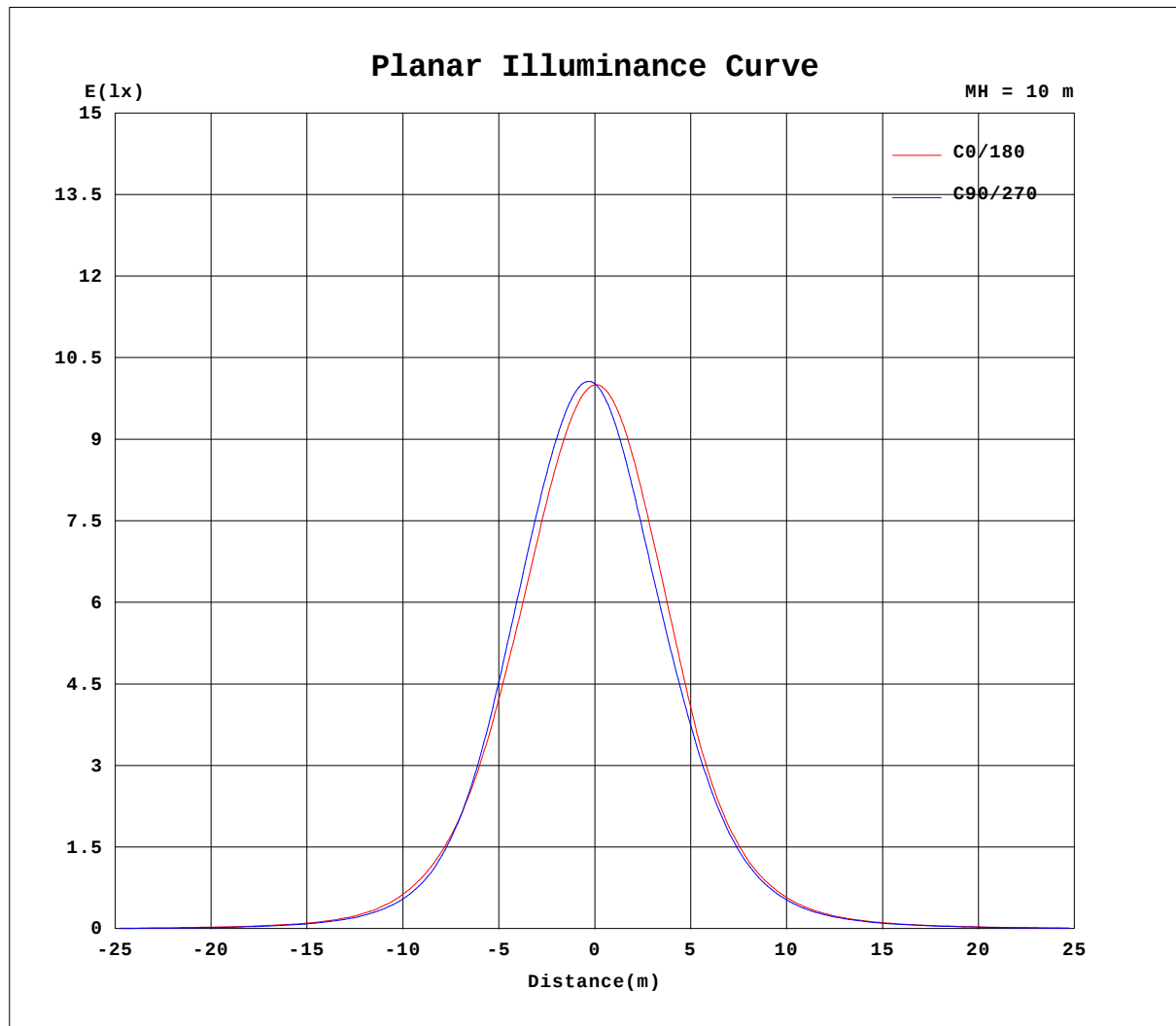
NAME:Blazeline Max-598mm-RGBW DS-A11-60D-Rev1	TYPE:RGBW-DS W=3000K	WEIGHT:
SPEC.:60 DEG	DIM.:598MM	SERIAL No.:IES001829
MFR.:	SUR.:	Shielding Angle:



H_(b) Range: -90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: LOW
Temperature: 25.3DEG
Operators: Fan
Test Date: 2023-10-07

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

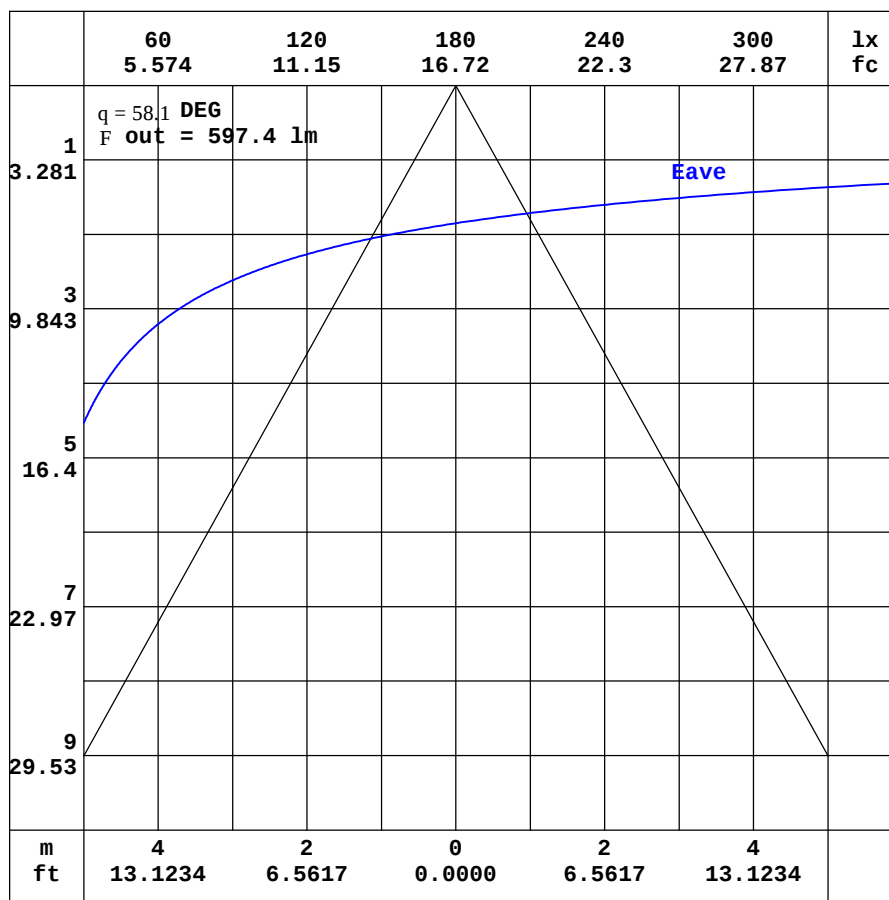


H_(b) Range: -90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: LOW
Temperature: 25.3DEG
Operators: Fan
Test Date: 2023-10-07

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 Max-598mm-RGBW DS-A11-60D-Rev1	TYPE:RGBW-DS W=3000K	WEIGHT:
SPEC.:60 DEG	DIM.:598MM	SERIAL No.:IES001829
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:2023-10-07

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 Max-598mm-RGBW DS-All-60D-Rev1	TYPE:RGBW-DS W=3000K	WEIGHT:
SPEC.:60 DEG	DIM.:598MM	SERIAL No.:IES001829
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	4.79	4.47	4.29	4.29	4.41	4.67	5.04	5.49	5.99	6.51	7.01	7.46	7.82	8.06	8.12	8.09	8.01	7.85	7.67
-170	4.79	4.38	4.12	4.04	4.07	4.21	4.43	4.70	5.01	5.30	5.57	5.78	5.65	5.61	5.48	5.51	5.95	6.29	6.49
-160	4.79	4.30	3.97	3.80	3.72	3.74	3.79	3.87	3.99	4.05	4.06	4.04	4.03	4.06	4.49	4.88	4.99	5.17	5.26
-150	4.79	4.23	3.82	3.57	3.39	3.28	3.20	3.10	2.99	2.90	2.79	3.05	3.34	3.61	3.86	4.07	4.21	4.24	4.17
-140	4.79	4.18	3.71	3.36	3.09	2.87	2.66	2.44	2.19	2.16	2.35	2.52	2.67	2.82	2.97	3.11	3.23	3.29	3.31
-130	4.79	4.14	3.62	3.18	2.83	2.51	2.22	1.92	1.83	1.90	1.97	2.05	2.13	2.21	2.28	2.36	2.42	2.45	2.46
-120	4.79	4.12	3.56	3.06	2.62	2.22	1.86	1.59	1.64	1.68	1.72	1.75	1.78	1.79	1.83	1.85	1.87	1.88	1.88
-110	4.79	4.12	3.52	2.98	2.47	2.00	1.57	1.45	1.47	1.48	1.50	1.51	1.52	1.52	1.53	1.54	1.54	1.54	1.53
-100	4.79	4.14	3.53	2.95	2.40	1.86	1.35	1.31	1.32	1.32	1.33	1.33	1.33	1.33	1.32	1.31	1.31	1.30	1.28
-90	4.79	4.19	3.60	3.00	2.41	1.82	1.22	1.22	1.21	1.21	1.20	1.19	1.19	1.17	1.15	1.13	1.11	1.09	1.07
-80	4.79	4.26	3.71	3.15	2.60	2.06	1.50	1.60	1.78	1.95	2.13	2.28	2.41	2.59	2.78	2.94	3.07	3.16	3.21
-70	4.79	4.35	3.94	3.70	3.59	3.62	3.59	4.31	5.51	6.75	7.99	9.16	10.2	11.3	12.5	13.5	14.3	14.9	15.2
-60	4.79	4.47	4.44	4.88	5.74	6.96	8.53	10.5	13.2	16.1	19.1	22.2	25.3	28.4	31.7	34.7	37.0	38.7	39.6
-50	4.79	4.63	5.15	6.66	8.95	12.2	15.6	18.9	23.6	29.6	36.6	44.5	53.2	62.1	71.9	81.4	89.6	95.4	98.2
-40	4.79	4.86	6.09	8.80	13.0	18.2	23.7	30.0	38.0	49.9	65.8	85.4	109	137	168	198	222	239	246
-30	4.79	5.10	7.12	11.1	17.3	24.4	32.6	43.1	58.1	80.0	111	153	209	277	351	424	480	517	529
-20	4.79	5.32	8.05	13.4	21.2	30.2	41.1	56.6	80.2	116	168	241	341	461	583	688	762	799	807
-10	4.79	5.52	8.81	15.1	24.3	34.8	48.3	67.8	99.2	148	219	319	447	597	738	848	921	963	970
0	4.79	5.66	9.31	16.2	26.2	37.8	52.6	73.9	109	164	240	342	470	616	749	856	938	987	1000
10	4.79	5.64	9.08	15.6	25.0	35.9	49.8	69.6	101	148	215	304	416	542	659	751	825	871	881
20	4.79	5.56	8.58	14.2	22.6	32.3	44.1	60.2	84.0	118	166	228	307	403	500	582	639	669	674
30	4.79	5.44	7.88	12.3	19.3	27.3	36.6	48.2	64.3	86.0	114	151	196	251	312	368	409	434	440
40	4.79	5.30	7.03	10.3	15.3	21.6	28.3	36.1	45.6	58.0	73.8	91.9	112	135	159	184	204	218	224
50	4.79	5.15	6.24	8.45	11.4	15.7	20.3	25.2	30.8	37.5	44.9	53.1	61.8	70.6	79.5	87.6	94.4	98.9	101
60	4.79	5.04	5.65	6.77	8.45	10.4	13.0	16.1	19.5	22.9	26.4	30.0	33.5	36.9	40.1	43.0	45.2	46.7	47.4
70	4.79	4.96	5.21	5.67	6.27	7.14	8.01	9.07	10.5	12.1	13.8	15.4	16.8	18.2	19.4	20.5	21.3	21.8	22.1
80	4.79	4.88	4.98	5.09	5.26	5.45	5.62	5.81	6.04	6.31	6.61	6.89	7.16	7.38	7.58	7.76	7.90	7.98	8.02
90	4.79	4.80	4.82	4.84	4.86	4.87	4.89	4.86	4.84	4.81	4.79	4.76	4.74	4.72	4.71	4.69	4.68	4.66	4.65
100	4.79	4.73	4.68	4.64	4.60	4.56	4.53	4.45	4.39	4.34	4.29	4.24	4.20	4.18	4.17	4.16	4.15	4.14	4.14
110	4.79	4.67	4.57	4.49	4.41	4.34	4.29	4.25	4.23	4.21	4.21	4.21	4.22	4.22	4.23	4.25	4.25	4.25	4.24
120	4.79	4.61	4.49	4.37	4.29	4.26	4.26	4.30	4.38	4.45	4.52	4.59	4.69	4.82	4.88	4.94	4.97	4.98	4.97
130	4.79	4.57	4.42	4.30	4.27	4.28	4.40	4.55	4.65	4.89	5.08	5.29	5.50	5.69	5.84	5.95	5.99	6.04	6.04
140	4.79	4.53	4.36	4.27	4.28	4.39	4.57	4.81	5.10	5.42	5.81	6.10	6.42	6.67	6.89	7.05	7.15	7.20	7.20
150	4.79	4.51	4.32	4.27	4.33	4.50	4.76	5.10	5.51	6.01	6.47	6.85	7.20	7.48	7.65	7.73	7.81	7.86	7.89
160	4.79	4.49	4.30	4.28	4.37	4.59	4.92	5.33	5.85	6.36	6.87	7.36	7.81	7.65	7.84	7.94	7.97	7.98	8.01
170	4.79	4.48	4.29	4.29	4.40	4.65	5.02	5.48	6.00	6.53	7.05	7.54	7.66	7.87	7.93	7.97	7.95	7.89	7.93
180	4.79	4.47	4.29	4.29	4.41	4.67	5.04	5.49	5.99	6.51	7.01	7.46	7.82	8.06	8.12	8.09	8.01	7.85	7.69

H_b Range:-90 - 90DEG
H_b Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:Fan
Test Date:2023-10-07

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 Max-598mm-RGBW DS-All-60D-Rev1	TYPE:RGBW-DS W=3000K	WEIGHT:
SPEC.:60 DEG	DIM.:598MM	SERIAL No.:IES001829
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	7.05	6.49	5.94	5.42	4.89	4.33	3.77	3.26	2.79	2.37	2.03	1.75	1.56	1.40	1.29	1.20	1.10	1.05
-170	6.23	5.94	5.55	5.11	4.62	4.12	3.62	3.14	2.70	2.32	2.00	1.73	1.54	1.40	1.29	1.21	1.10	1.05
-160	5.18	4.99	4.74	4.42	4.05	3.65	3.25	2.85	2.49	2.17	1.90	1.68	1.52	1.39	1.29	1.20	1.10	1.05
-150	4.13	4.02	3.82	3.59	3.33	3.05	2.75	2.48	2.21	1.97	1.77	1.60	1.46	1.36	1.27	1.19	1.09	1.05
-140	3.24	3.12	2.96	2.76	2.60	2.43	2.25	2.08	1.92	1.77	1.63	1.51	1.41	1.32	1.25	1.17	1.09	1.05
-130	2.41	2.33	2.24	2.12	2.00	1.93	1.83	1.75	1.66	1.58	1.50	1.42	1.34	1.28	1.22	1.15	1.08	1.05
-120	1.84	1.80	1.74	1.68	1.62	1.58	1.54	1.50	1.46	1.42	1.38	1.34	1.28	1.23	1.18	1.12	1.07	1.05
-110	1.51	1.48	1.45	1.41	1.38	1.35	1.34	1.32	1.31	1.29	1.27	1.24	1.21	1.18	1.13	1.09	1.06	1.05
-100	1.27	1.25	1.24	1.22	1.20	1.18	1.18	1.18	1.17	1.17	1.16	1.16	1.14	1.11	1.09	1.07	1.05	1.05
-90	1.07	1.06	1.06	1.05	1.05	1.04	1.05	1.06	1.07	1.08	1.09	1.10	1.09	1.08	1.07	1.06	1.05	1.05
-80	3.17	3.09	2.97	2.81	2.63	2.45	2.36	2.24	2.08	1.90	1.71	1.52	1.42	1.31	1.22	1.13	1.06	1.05
-70	14.9	14.4	13.6	12.7	11.6	10.5	9.48	8.37	7.20	6.02	4.87	3.90	3.27	2.58	1.91	1.41	1.14	1.05
-60	38.9	37.3	35.0	32.1	28.9	25.9	22.9	19.8	16.8	14.0	11.2	8.81	6.61	4.69	3.27	1.98	1.26	1.05
-50	95.9	90.4	82.6	73.3	63.6	55.0	46.4	38.4	31.2	24.9	19.5	15.4	11.5	7.83	4.90	2.81	1.41	1.05
-40	240	223	200	170	142	114	90.7	70.5	53.5	40.1	30.3	22.6	16.8	11.5	6.87	3.74	1.61	1.05
-30	512	473	418	353	286	220	165	120	86.2	60.6	42.8	30.6	22.0	15.1	8.99	4.59	1.79	1.05
-20	778	726	654	564	461	357	260	184	125	83.4	55.8	38.2	26.6	18.2	10.9	5.30	1.98	1.05
-10	936	879	798	699	588	464	344	242	161	103	66.2	44.2	30.0	20.4	12.2	5.83	2.12	1.05
0	978	924	844	742	629	502	378	269	180	112	71.0	47.3	31.8	21.7	12.9	6.10	2.18	1.05
10	868	824	755	667	562	446	334	238	162	104	68.0	45.7	31.1	21.2	12.7	6.10	2.24	1.05
20	670	640	587	514	425	332	250	182	127	86.7	59.3	41.1	28.7	19.7	11.8	5.83	2.22	1.05
30	435	412	373	323	265	211	163	123	91.4	66.3	47.9	34.5	24.9	17.1	10.2	5.34	2.14	1.05
40	220	208	189	164	141	118	96.7	77.8	61.3	47.5	36.2	27.3	20.2	13.9	8.41	4.68	2.04	1.05
50	99.4	95.4	88.8	80.7	72.0	63.5	54.9	46.6	39.0	31.9	25.8	20.2	15.0	10.4	6.69	3.90	1.93	1.05
60	46.9	45.5	43.4	40.6	37.4	34.2	30.7	27.1	23.6	20.3	16.9	13.5	10.2	7.41	5.16	3.18	1.83	1.05
70	21.9	21.4	20.6	19.6	18.4	17.1	15.8	14.2	12.7	11.1	9.68	8.32	6.76	5.26	3.86	2.69	1.75	1.05
80	8.02	7.97	7.86	7.70	7.50	7.29	7.06	6.80	6.50	6.19	5.90	5.62	4.81	3.99	3.19	2.41	1.69	1.05
90	4.65	4.66	4.66	4.67	4.67	4.68	4.70	4.72	4.74	4.76	4.78	4.80	4.18	3.55	2.93	2.30	1.67	1.05
100	4.14	4.14	4.14	4.14	4.15	4.15	4.19	4.22	4.27	4.32	4.37	4.39	3.87	3.35	2.80	2.23	1.65	1.05
110	4.25	4.25	4.24	4.23	4.22	4.20	4.18	4.17	4.17	4.18	4.20	4.08	3.62	3.16	2.67	2.16	1.61	1.05
120	4.97	4.94	4.90	4.84	4.75	4.65	4.54	4.43	4.33	4.25	4.19	3.86	3.41	2.97	2.53	2.06	1.57	1.05
130	6.03	5.98	5.88	5.75	5.59	5.40	5.19	4.96	4.75	4.55	4.20	3.66	3.20	2.78	2.38	1.96	1.51	1.05
140	7.17	7.10	6.99	6.83	6.58	6.27	5.94	5.63	5.30	4.77	4.07	3.48	2.98	2.57	2.20	1.83	1.45	1.05
150	7.86	7.80	7.70	7.52	7.26	6.94	6.60	6.22	5.41	4.58	3.82	3.22	2.72	2.33	2.01	1.70	1.37	1.05
160	7.95	7.91	7.88	7.78	7.60	7.34	6.54	5.65	4.84	4.08	3.41	2.84	2.40	2.05	1.78	1.55	1.29	1.05
170	7.75	7.79	7.82	7.40	6.74	6.06	5.34	4.62	3.95	3.34	2.80	2.34	2.00	1.74	1.54	1.38	1.19	1.05
180	7.05	6.49	5.94	5.42	4.89	4.33	3.77	3.26	2.79	2.37	2.03	1.75	1.56	1.40	1.29	1.20	1.10	1.05

H_b Range:-90 - 90DEG
H_b Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:Fan
Test Date:2023-10-07

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: