

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	4316.8 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	46.7V x 46.5H
	At 50% of Imax	19.6V x 19.7H
	At 90% of Imax	7.1V x 7.1H

Beam Flux	Total	1000.2 lumens per klm.
	To 10% of Imax	675.0 lumens per klm.
	To 50% of Imax	279.6 lumens per klm.
	To 90% of Imax	46.4 lumens per klm.

Upward LOR	2.3 %
Downward LOR	97.7 %

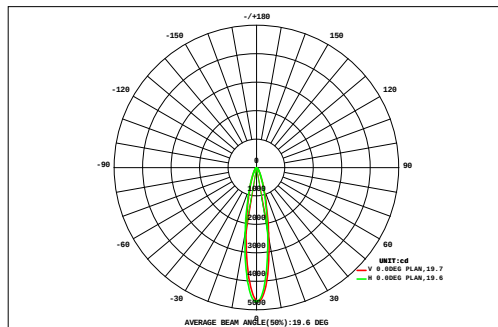
Luminaire Efficiency(Light Output Ratio)	100.0 %
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H_(b) Range:-90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:Fan
Test Date:2023-10-12

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 ALL-20D-Rev1	TYPE:RGBW W=3000K	WEIGHT:
SPEC.:20 DEG	DIM.:598MM	SERIAL No.:IES001864
MFR.:	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:45.39lm/W	
MODEL		Imax(cd)	4723
NOMINAL POWER(W)	24.4	AVAILABILITY(%)	67.7
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	740.9
NOMINAL FLUX(lm)	1094	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	1094
TEST VOLTAGE(V)	221.4	q @50%(H,V)	20,20DEG

AREA FLUX DIAGRAM																	UNIT:lm		F t	F a
45	0.20	0.26	0.34	0.42	0.51	0.60	0.67	0.73	0.75	0.75	0.72	0.66	0.58	0.50	0.41	0.33	0.26	0.20	8.88	0.00
40	0.24	0.32	0.42	0.55	0.68	0.82	0.94	1.04	1.09	1.09	1.03	0.92	0.80	0.66	0.53	0.41	0.31	0.23	12.1	0.00
35	0.28	0.39	0.53	0.70	0.91	1.14	1.35	1.53	1.62	1.62	1.50	1.32	1.11	0.89	0.69	0.52	0.38	0.28	16.8	0.00
30	0.33	0.47	0.66	0.91	1.22	1.59	1.99	2.31	2.49	2.48	2.27	1.94	1.55	1.19	0.89	0.64	0.46	0.32	23.7	0.00
25	0.38	0.55	0.80	1.15	1.62	2.25	2.98	3.63	4.01	3.98	3.55	2.89	2.18	1.58	1.13	0.79	0.54	0.36	34.4	10.6
20	0.43	0.64	0.96	1.42	2.11	3.12	4.48	5.95	6.88	6.83	5.82	4.36	3.05	2.07	1.40	0.93	0.61	0.40	51.5	35.7
15	0.47	0.71	1.09	1.69	2.65	4.21	6.68	10.00	12.4	12.3	9.77	6.55	4.15	2.63	1.68	1.07	0.67	0.43	79.2	65.7
10	0.50	0.77	1.20	1.91	3.14	5.34	9.33	15.8	21.9	21.7	15.5	9.36	5.51	3.25	1.94	1.17	0.72	0.45	120	107
5	0.51	0.79	1.24	2.03	3.41	6.07	11.3	20.5	30.8	31.0	21.9	12.7	6.86	3.73	2.11	1.23	0.74	0.45	157	146
0	0.50	0.77	1.22	2.00	3.40	6.16	11.7	21.6	31.4	32.0	23.4	13.4	7.07	3.79	2.11	1.22	0.73	0.44	163	152
-5	0.47	0.72	1.13	1.83	3.10	5.52	10.0	16.5	22.2	22.4	17.0	10.5	5.98	3.37	1.93	1.14	0.69	0.43	125	113
-10	0.42	0.64	0.98	1.55	2.54	4.20	6.73	9.90	12.7	12.8	10.2	7.05	4.46	2.72	1.64	1.01	0.63	0.39	80.5	67.9
-15	0.37	0.55	0.82	1.23	1.91	2.90	4.21	5.69	6.83	6.91	5.87	4.42	3.08	2.04	1.31	0.85	0.55	0.35	49.9	34.5
-20	0.32	0.45	0.65	0.95	1.38	1.95	2.62	3.33	3.81	3.85	3.43	2.75	2.06	1.47	1.01	0.69	0.46	0.31	31.5	8.10
-25	0.26	0.37	0.52	0.73	0.99	1.32	1.67	2.01	2.23	2.25	2.06	1.74	1.39	1.05	0.77	0.55	0.38	0.26	20.5	0.00
-30	0.21	0.30	0.41	0.55	0.71	0.90	1.09	1.26	1.36	1.37	1.29	1.13	0.94	0.75	0.57	0.42	0.31	0.21	13.8	0.00
-35	0.17	0.24	0.32	0.41	0.51	0.62	0.73	0.82	0.88	0.88	0.84	0.75	0.65	0.53	0.42	0.33	0.24	0.17	9.54	0.00
-40	0.14	0.19	0.24	0.31	0.37	0.44	0.51	0.56	0.59	0.59	0.56	0.52	0.45	0.38	0.31	0.25	0.19	0.14	6.75	0.00
-45	0.10	0.13	0.17	0.21	0.25	0.30	0.35	0.40	0.45	0.45	0.40	0.35	0.30	0.25	0.20	0.15	0.10	0.05	4.00	0.00
F t	6.19	9.14	13.5	20.3	31.2	49.1	79.1	123	164	165	127	83.0	51.9	32.6	20.8	13.5	8.87	5.81	1004	---
F a	0.00	0.00	0.00	0.00	6.91	32.2	64.2	109	151	151	113	68.2	35.3	9.76	0.00	0.00	0.00	0.00	---	741

one-half-peak spread: U:9.5,D:10.2 , L:10.2,R:9.7

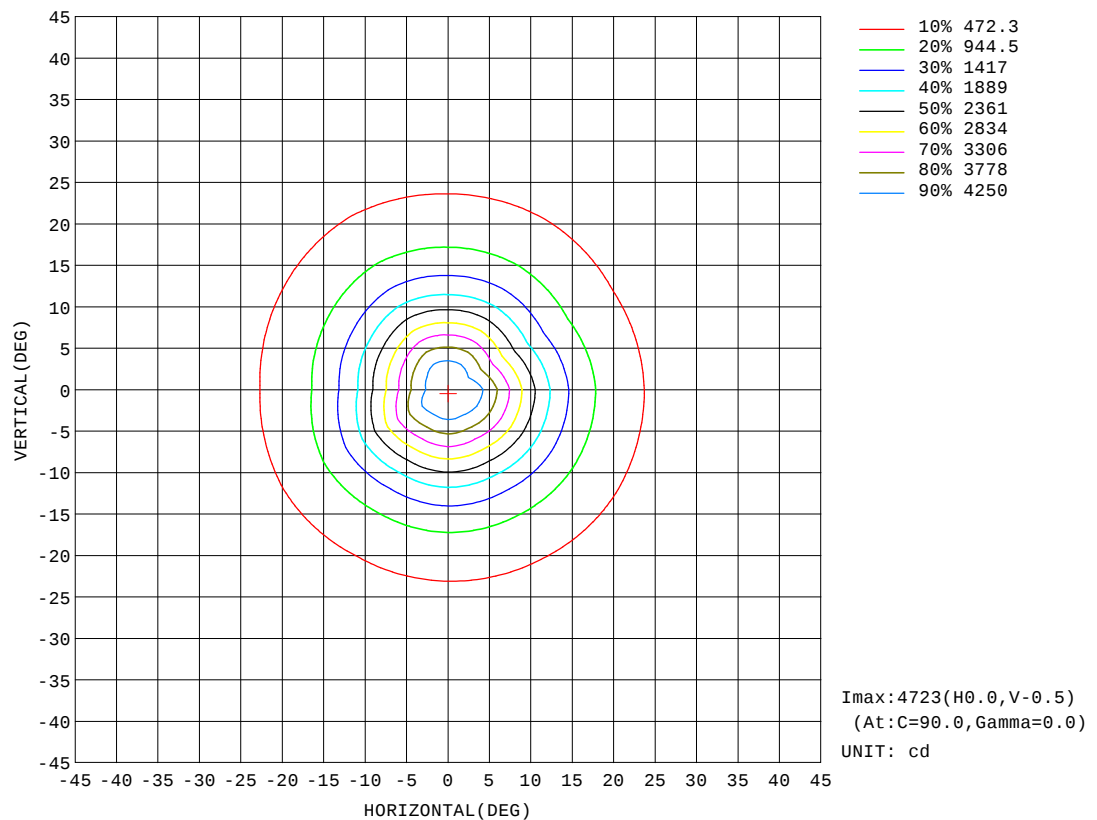
NEMA Beam Type: Type 4

$H(b)$ Range: -90 - 90DEG
 $H(b)$ Interval: 0.5DEG
 Test Speed: LOW
 Temperature:25.3DEG
 Operators:Fan
 Test Date:2023-10-12

$V(B)$ 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 ALL-20D-Rev1	TYPE:RGBW W=3000K	WEIGHT:
SPEC.:20 DEG	DIM.:598MM	SERIAL No.:IES001864
MFR.:	SUR.:	Shielding Angle:

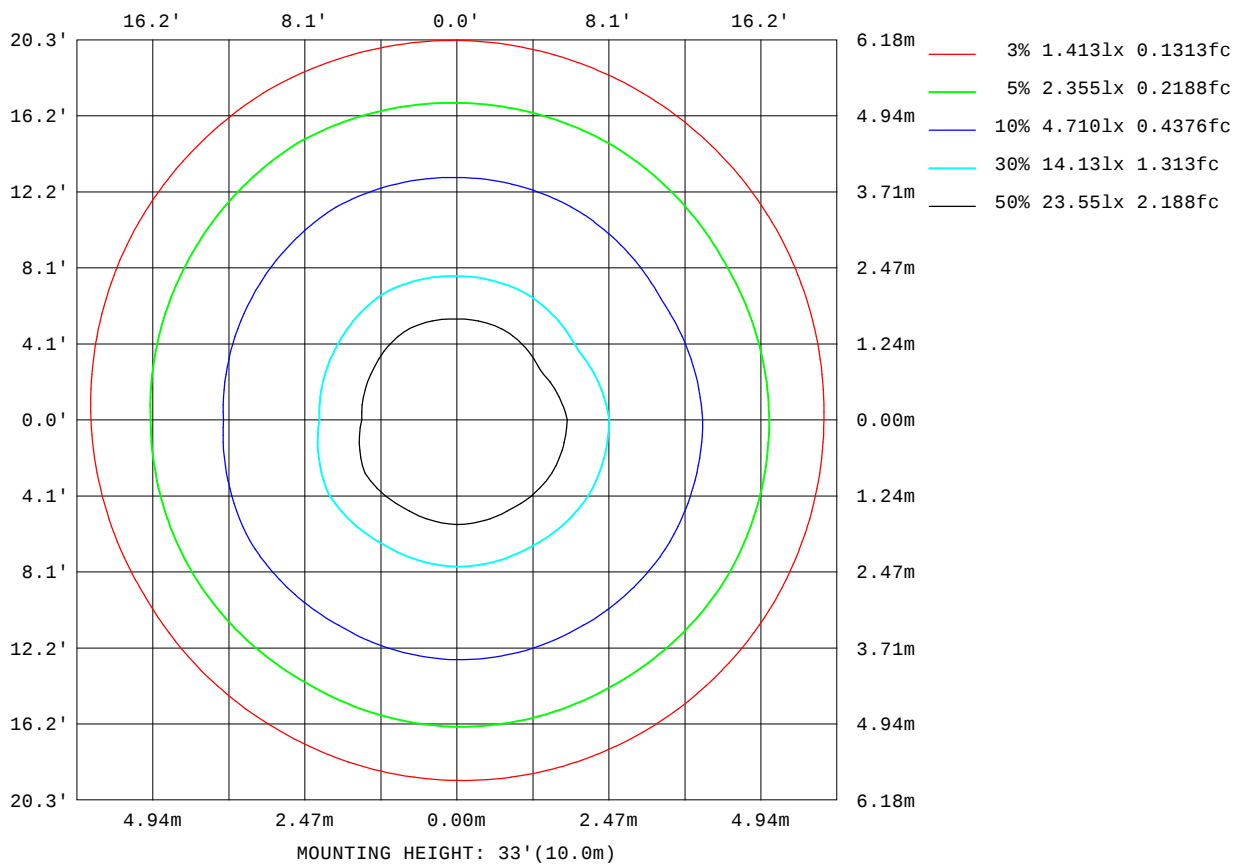


H_(b) Range: -90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: LOW
Temperature: 25.3DEG
Operators: Fan
Test Date: 2023-10-12

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

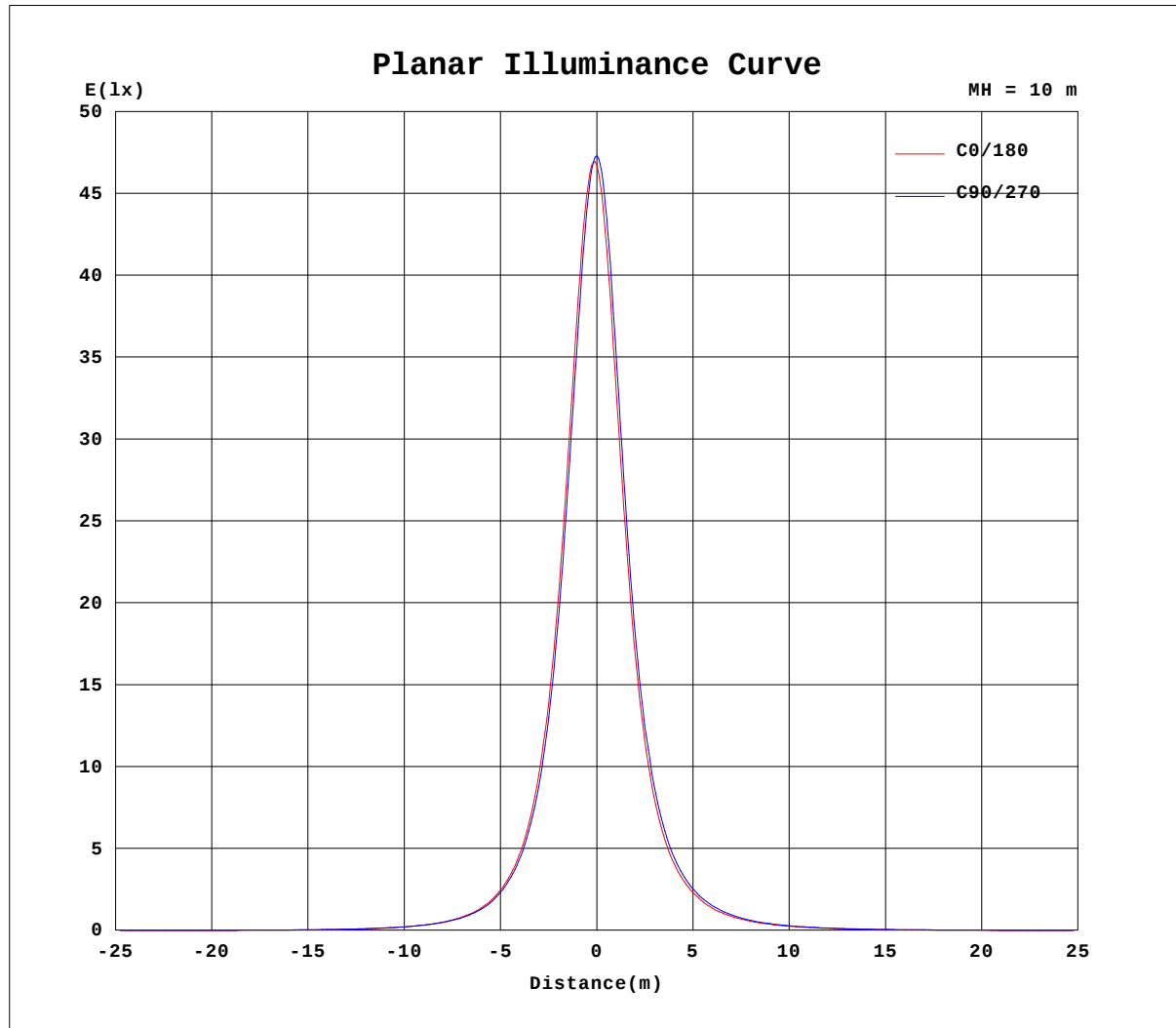
NAME:Blazeline Max-598mm-RGBW ALL-20D-Rev1	TYPE:RGBW W=3000K	WEIGHT:
SPEC.:20 DEG	DIM.:598MM	SERIAL No.:IES001864
MFR.:	SUR.:	Shielding Angle:



H_(b) Range: -90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: LOW
Temperature: 25.3DEG
Operators: Fan
Test Date: 2023-10-12

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

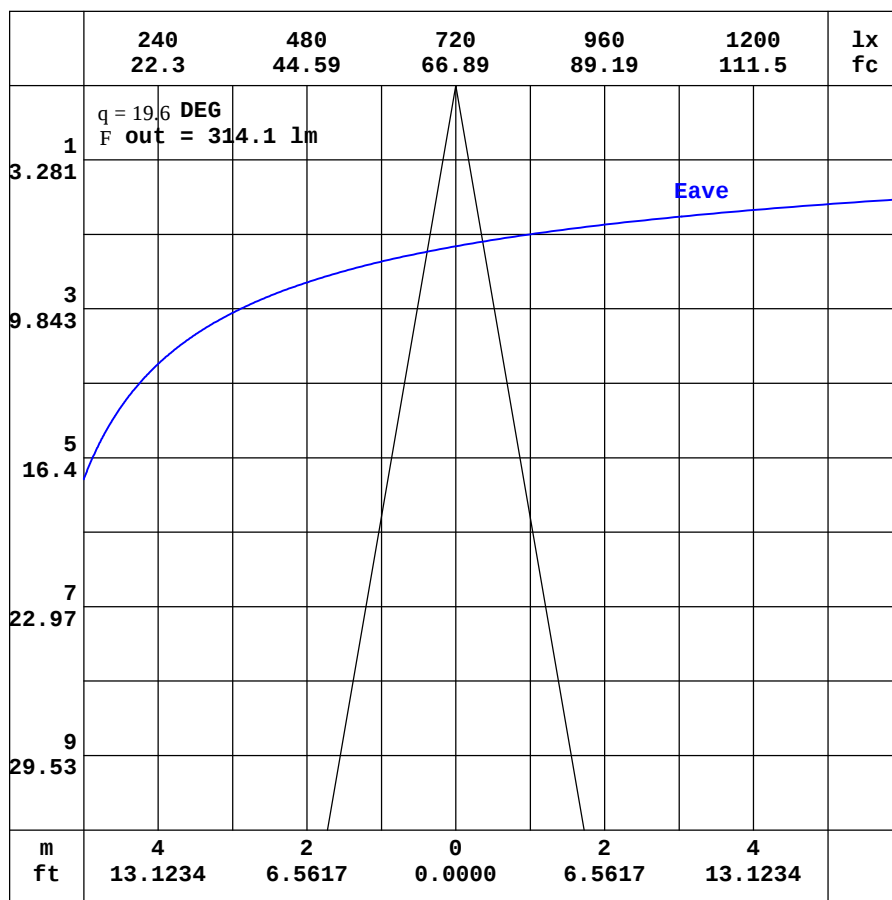


H_(b) Range: -90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: LOW
Temperature: 25.3DEG
Operators: Fan
Test Date: 2023-10-12

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 ALL-20D-Rev1	TYPE:RGBW W=3000K	WEIGHT:
SPEC.:20 DEG	DIM.:598MM	SERIAL No.:IES001864
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:2023-10-12

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 ALL-20D-Rev1	TYPE:RGBW W=3000K	WEIGHT:
SPEC.:20 DEG	DIM.:598MM	SERIAL No.:IES001864
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	4.18	3.79	3.49	3.35	3.39	3.60	4.06	4.84	5.90	7.03	7.96	8.53	8.70	8.67	8.58	8.46	8.27	8.08	8.33
-170	4.18	3.74	3.40	3.21	3.18	3.26	3.50	3.96	4.59	5.27	5.83	6.17	6.33	6.40	6.46	6.68	7.23	7.66	7.96
-160	4.18	3.69	3.32	3.08	2.97	2.93	2.95	3.07	3.26	3.45	3.58	3.62	3.69	4.47	5.24	5.93	6.51	6.86	7.05
-150	4.18	3.65	3.26	2.96	2.80	2.65	2.50	2.35	2.19	1.96	1.78	2.18	2.69	3.25	3.80	4.31	4.71	4.99	5.11
-140	4.18	3.63	3.21	2.89	2.65	2.44	2.21	1.92	1.55	1.41	1.43	1.56	1.77	2.04	2.32	2.61	2.84	2.99	3.06
-130	4.18	3.62	3.18	2.84	2.55	2.31	2.05	1.75	1.56	1.46	1.40	1.38	1.37	1.37	1.43	1.52	1.60	1.66	1.69
-120	4.18	3.62	3.17	2.80	2.49	2.21	1.95	1.75	1.72	1.68	1.63	1.57	1.51	1.46	1.42	1.39	1.37	1.36	1.36
-110	4.18	3.64	3.17	2.77	2.42	2.12	1.86	1.78	1.78	1.77	1.78	1.78	1.78	1.77	1.75	1.73	1.71	1.70	1.69
-100	4.18	3.67	3.20	2.76	2.36	1.99	1.65	1.65	1.68	1.70	1.71	1.73	1.73	1.75	1.76	1.77	1.78	1.79	1.80
-90	4.18	3.71	3.25	2.78	2.32	1.85	1.38	1.38	1.39	1.39	1.39	1.39	1.39	1.40	1.41	1.42	1.42	1.43	1.44
-80	4.18	3.78	3.33	2.86	2.36	1.83	1.27	1.26	1.36	1.45	1.55	1.65	1.76	1.88	2.00	2.11	2.20	2.28	2.33
-70	4.18	3.85	3.49	3.11	2.79	2.51	2.35	2.77	3.41	4.09	4.80	5.56	6.30	7.03	7.68	8.23	8.65	8.93	9.06
-60	4.18	3.95	3.75	3.69	3.87	4.36	4.97	5.85	7.44	9.18	11.0	12.9	14.7	16.4	17.9	19.2	20.2	20.9	21.2
-50	4.18	4.08	4.13	4.58	5.56	6.99	8.59	10.3	12.8	15.9	19.4	23.2	27.1	31.1	34.8	38.3	41.1	43.1	44.0
-40	4.18	4.23	4.60	5.70	7.66	10.1	12.9	16.0	19.6	24.6	31.2	38.9	47.6	57.1	66.8	76.9	85.5	91.7	94.4
-30	4.18	4.38	5.12	6.89	9.82	13.4	17.6	22.6	28.9	36.9	47.5	62.7	81.8	105	133	164	194	218	228
-20	4.18	4.53	5.64	8.10	11.8	16.4	22.2	29.4	39.1	52.3	70.7	96.3	134	191	275	382	505	622	678
-10	4.18	4.66	6.05	9.07	13.4	19.0	26.1	35.3	48.2	66.7	94.0	135	200	315	515	868	1398	1997	2353
0	4.18	4.78	6.36	9.69	14.5	20.7	28.6	39.1	53.9	75.4	108	157	236	375	626	1124	2103	3602	4673
10	4.18	4.77	6.29	9.50	14.2	20.1	27.7	37.8	51.8	72.0	102	147	217	329	515	835	1348	2001	2257
20	4.18	4.73	6.11	8.92	13.2	18.5	25.2	33.8	45.3	61.3	83.8	115	161	223	309	422	552	651	685
30	4.18	4.68	5.80	8.03	11.7	16.1	21.6	28.3	36.7	47.5	61.9	80.7	104	133	167	202	233	255	263
40	4.18	4.60	5.44	7.08	9.84	13.3	17.4	22.1	27.7	34.6	43.1	53.1	64.5	77.1	90.1	101	111	117	118
50	4.18	4.52	5.09	6.17	7.86	10.3	13.1	16.3	19.9	24.0	28.7	33.8	39.2	44.8	49.6	53.6	56.8	58.9	59.5
60	4.18	4.43	4.79	5.37	6.27	7.54	9.25	11.1	13.2	15.5	17.9	20.4	23.0	25.3	27.3	29.0	30.2	31.0	31.3
70	4.18	4.35	4.56	4.82	5.18	5.67	6.25	7.05	7.98	9.01	10.0	11.1	12.1	13.0	13.8	14.5	15.0	15.4	15.5
80	4.18	4.28	4.37	4.48	4.60	4.72	4.83	4.97	5.15	5.34	5.57	5.81	6.03	6.21	6.38	6.52	6.64	6.73	6.77
90	4.18	4.20	4.22	4.24	4.26	4.28	4.30	4.29	4.29	4.28	4.27	4.27	4.26	4.26	4.25	4.25	4.25	4.24	4.24
100	4.18	4.13	4.07	4.02	3.97	3.92	3.87	3.80	3.74	3.68	3.62	3.57	3.52	3.50	3.47	3.46	3.45	3.44	3.44
110	4.18	4.06	3.94	3.82	3.72	3.62	3.54	3.46	3.39	3.34	3.31	3.29	3.28	3.28	3.28	3.28	3.28	3.27	3.27
120	4.18	3.99	3.82	3.66	3.53	3.42	3.36	3.33	3.31	3.31	3.35	3.41	3.47	3.54	3.62	3.68	3.73	3.75	3.75
130	4.18	3.93	3.72	3.53	3.40	3.34	3.32	3.33	3.44	3.60	3.81	4.07	4.36	4.66	4.97	5.25	5.47	5.61	5.67
140	4.18	3.89	3.64	3.44	3.35	3.34	3.39	3.57	3.86	4.28	4.82	5.44	6.06	6.64	7.14	7.54	7.82	7.97	8.04
150	4.18	3.85	3.58	3.38	3.34	3.38	3.58	3.94	4.51	5.26	6.12	6.96	7.68	8.23	8.64	8.93	9.11	9.21	9.24
160	4.18	3.82	3.53	3.36	3.35	3.47	3.79	4.35	5.19	6.19	7.17	7.97	8.52	8.90	9.18	9.42	9.62	9.71	9.82
170	4.18	3.80	3.50	3.35	3.37	3.56	3.97	4.69	5.70	6.81	7.77	8.44	8.79	8.95	9.03	9.08	9.10	9.18	9.35
180	4.18	3.79	3.49	3.35	3.39	3.60	4.06	4.84	5.90	7.03	7.96	8.53	8.70	8.67	8.58	8.46	8.27	8.08	8.34

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

Test Speed: LOW

Temperature: 25.3DEG

Operators: Fan

Test Date: 2023-10-12

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 ALL-20D-Rev1	TYPE:RGBW W=3000K	WEIGHT:
SPEC.:20 DEG	DIM.:598MM	SERIAL No.:IES001864
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	7.42	7.08	6.70	6.14	5.45	4.66	3.82	2.99	2.28	1.70	1.46	1.46	1.58	1.73	1.78	1.73	1.56	1.32
-170	7.70	7.36	6.86	6.21	5.42	4.56	3.68	2.86	2.17	1.67	1.46	1.47	1.59	1.73	1.78	1.73	1.56	1.32
-160	6.89	6.58	6.07	5.42	4.68	3.89	3.13	2.44	1.90	1.56	1.46	1.49	1.62	1.75	1.78	1.72	1.56	1.32
-150	5.04	4.81	4.45	3.96	3.41	2.85	2.34	1.92	1.62	1.48	1.47	1.54	1.67	1.77	1.77	1.72	1.54	1.32
-140	3.03	2.90	2.70	2.43	2.14	1.88	1.66	1.52	1.47	1.47	1.53	1.64	1.73	1.78	1.76	1.68	1.52	1.32
-130	1.67	1.63	1.56	1.48	1.42	1.41	1.42	1.45	1.49	1.57	1.65	1.72	1.78	1.78	1.74	1.64	1.49	1.32
-120	1.37	1.38	1.40	1.42	1.46	1.51	1.57	1.62	1.68	1.72	1.77	1.79	1.79	1.79	1.76	1.69	1.59	1.46
-110	1.70	1.71	1.72	1.74	1.76	1.78	1.78	1.78	1.79	1.79	1.80	1.78	1.74	1.68	1.61	1.52	1.42	1.32
-100	1.79	1.79	1.78	1.77	1.76	1.74	1.74	1.73	1.72	1.70	1.68	1.66	1.61	1.55	1.50	1.44	1.38	1.32
-90	1.44	1.43	1.43	1.43	1.42	1.42	1.42	1.42	1.42	1.43	1.43	1.43	1.41	1.39	1.37	1.35	1.33	1.32
-80	2.29	2.23	2.15	2.05	1.94	1.83	1.74	1.65	1.55	1.46	1.37	1.30	1.31	1.31	1.32	1.33	1.33	1.32
-70	8.91	8.62	8.18	7.62	6.97	6.27	5.57	4.88	4.20	3.55	2.91	2.30	1.86	1.58	1.38	1.33	1.32	1.32
-60	20.9	20.2	19.2	17.9	16.4	14.7	12.9	11.0	9.17	7.50	5.97	4.65	3.46	2.37	1.75	1.40	1.33	1.32
-50	43.3	41.5	38.7	35.3	31.4	27.3	23.2	19.4	15.9	12.7	9.96	7.61	5.53	3.79	2.31	1.58	1.33	1.32
-40	92.6	87.3	79.1	69.1	58.9	48.8	39.6	31.4	24.5	19.0	14.6	10.9	7.85	5.26	3.15	1.84	1.35	1.32
-30	222	201	172	141	110	85.7	65.1	48.8	36.0	26.5	19.6	14.3	10.1	6.70	4.03	2.09	1.38	1.32
-20	635	527	403	292	203	142	99.3	69.8	48.9	34.3	24.4	17.3	12.0	7.91	4.70	2.31	1.41	1.32
-10	2037	1451	914	553	336	208	134	88.7	59.6	40.4	27.9	19.5	13.4	8.72	5.16	2.48	1.43	1.32
0	4049	2517	1345	726	408	242	151	96.6	64.0	42.7	29.2	20.3	13.9	9.04	5.34	2.54	1.44	1.32
10	1964	1332	823	519	332	214	141	94.1	63.9	43.5	30.2	21.1	14.4	9.41	5.58	2.71	1.53	1.32
20	641	536	411	302	218	158	112	79.6	56.4	39.9	28.5	20.3	14.0	9.22	5.51	2.77	1.60	1.32
30	252	229	196	162	130	102	79.2	60.8	45.5	33.9	25.0	18.2	12.8	8.50	5.17	2.75	1.66	1.32
40	116	109	99.0	87.6	75.2	62.9	52.0	42.2	34.0	26.9	20.5	15.3	11.0	7.40	4.51	2.66	1.71	1.32
50	58.6	56.2	52.8	48.5	43.9	38.4	33.2	28.2	23.7	19.6	15.8	12.0	8.78	6.08	3.86	2.51	1.75	1.32
60	30.9	30.0	28.7	27.1	25.2	22.7	20.3	17.8	15.4	13.2	11.1	8.83	6.61	4.71	3.40	2.42	1.79	1.32
70	15.4	15.0	14.5	13.8	13.0	12.0	11.0	10.1	9.07	8.09	7.14	6.11	4.94	3.89	3.04	2.36	1.80	1.32
80	6.73	6.65	6.54	6.40	6.23	6.04	5.82	5.58	5.35	5.15	4.97	4.77	4.11	3.48	2.89	2.33	1.81	1.32
90	4.23	4.23	4.22	4.22	4.21	4.21	4.21	4.21	4.22	4.22	4.22	4.23	3.74	3.26	2.77	2.29	1.80	1.32
100	3.44	3.43	3.43	3.44	3.45	3.47	3.51	3.55	3.61	3.66	3.72	3.76	3.44	3.08	2.70	2.28	1.82	1.32
110	3.27	3.27	3.27	3.26	3.26	3.25	3.26	3.27	3.29	3.33	3.39	3.38	3.16	2.91	2.61	2.25	1.82	1.32
120	3.75	3.73	3.68	3.61	3.53	3.46	3.39	3.32	3.28	3.27	3.27	3.13	2.94	2.74	2.51	2.21	1.81	1.32
130	5.62	5.49	5.28	5.01	4.70	4.39	4.09	3.82	3.59	3.43	3.21	2.96	2.77	2.59	2.40	2.15	1.79	1.32
140	7.99	7.85	7.59	7.21	6.72	6.14	5.51	4.88	4.32	3.73	3.15	2.79	2.60	2.44	2.28	2.08	1.76	1.32
150	9.22	9.13	8.97	8.69	8.30	7.76	7.06	6.21	4.89	3.77	3.03	2.60	2.40	2.30	2.17	2.02	1.73	1.32
160	9.76	9.69	9.50	9.27	8.99	8.61	7.40	5.99	4.61	3.48	2.73	2.32	2.16	2.12	2.05	1.92	1.68	1.32
170	9.26	9.27	9.27	8.77	7.92	6.96	5.89	4.77	3.69	2.76	2.18	1.93	1.88	1.92	1.92	1.83	1.63	1.32
180	7.42	7.08	6.70	6.14	5.45	4.66	3.82	2.99	2.28	1.70	1.46	1.46	1.58	1.73	1.78	1.73	1.56	1.32

H_b Range:-90 - 90DEG
H_b Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:Fan
Test Date:2023-10-12

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: