

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity (Luminaire orientation as tested.)	1314.1 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
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Beam Spread	At 10% of Imax	85.4V x 84.8H
	At 50% of Imax	45.8V x 46.0H
	At 90% of Imax	19.9V x 19.9H

Beam Flux	Total	1000.1 lumens per klm.
	To 10% of Imax	841.4 lumens per klm.
	To 50% of Imax	477.4 lumens per klm.
	To 90% of Imax	113.8 lumens per klm.

Upward LOR	2.3 %
Downward LOR	97.7 %

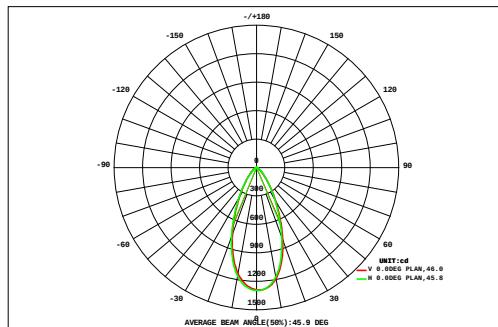
Luminaire Efficiency(Light Output Ratio)	100.0 %
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H_(b) Range:-90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:Fan
Test Date:2023-10-12

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-45D-Rev1	TYPE:RGBW W=3000K	WEIGHT:
SPEC.:45 DEG	DIM.:598MM	SERIAL No.:IES001875
MFR.:	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:40.95lm/W	
MODEL		Imax(cd)	1297
NOMINAL POWER(W)	24.4	AVAILABILITY(%)	84.2
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	830.5
NOMINAL FLUX(lm)	986.8	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	986.8
TEST VOLTAGE(V)	221.4	q @50%(H,V)	46,46DEG

		AREA FLUX DIAGRAM																UNIT:lm				F t	F a
		0.04	0.07	0.11	0.17	0.23	0.29	0.35	0.39	0.42	0.42	0.39	0.35	0.29	0.23	0.17	0.11	0.07	0.03	4.11	0.00		
VERTICAL (DEG)	72	0.05	0.10	0.17	0.27	0.38	0.50	0.61	0.69	0.74	0.73	0.68	0.60	0.49	0.37	0.26	0.17	0.10	0.04	6.95	0.00		
	64	0.07	0.14	0.25	0.39	0.57	0.79	1.00	1.18	1.28	1.28	1.17	0.99	0.77	0.56	0.38	0.24	0.13	0.06	11.3	0.00		
	56	0.09	0.18	0.33	0.54	0.85	1.25	1.71	2.12	2.37	2.36	2.10	1.68	1.23	0.83	0.53	0.32	0.17	0.07	18.7	3.32		
	48	0.10	0.23	0.42	0.74	1.25	2.02	3.00	3.96	4.59	4.57	3.92	2.95	1.98	1.22	0.72	0.40	0.20	0.09	32.4	23.6		
	40	0.12	0.27	0.52	0.98	1.82	3.21	5.17	7.28	8.64	8.63	7.23	5.12	3.17	1.78	0.94	0.48	0.23	0.10	55.7	49.4		
	32	0.14	0.30	0.62	1.24	2.51	4.78	8.20	12.1	14.7	14.7	12.1	8.17	4.76	2.49	1.20	0.56	0.26	0.11	88.8	83.7		
	24	0.15	0.33	0.70	1.48	3.15	6.35	11.3	17.0	20.8	20.9	17.1	11.5	6.50	3.22	1.44	0.63	0.28	0.11	123	118		
	-24	0.15	0.35	0.74	1.61	3.53	7.35	13.4	19.9	23.9	24.2	20.5	14.1	7.85	3.71	1.59	0.66	0.28	0.11	144	139		
		0.15	0.34	0.73	1.59	3.50	7.35	13.4	19.9	23.8	24.2	20.8	14.4	7.97	3.74	1.58	0.65	0.27	0.11	144	140		
		0.14	0.31	0.66	1.42	3.07	6.32	11.4	16.8	20.5	20.8	17.5	12.1	6.79	3.25	1.42	0.61	0.26	0.10	123	119		
		0.12	0.28	0.56	1.16	2.37	4.64	8.01	11.7	14.5	14.7	12.2	8.47	4.95	2.50	1.16	0.52	0.23	0.10	88.2	83.1		
		-32	0.11	0.23	0.45	0.86	1.65	2.99	4.86	6.92	8.46	8.57	7.19	5.13	3.16	1.73	0.87	0.42	0.20	0.08	53.9	47.7	
		-40	0.09	0.19	0.34	0.61	1.08	1.78	2.70	3.66	4.35	4.40	3.78	2.82	1.86	1.11	0.62	0.33	0.17	0.07	30.0	21.2	
		-48	0.07	0.14	0.25	0.42	0.69	1.03	1.44	1.85	2.13	2.15	1.90	1.49	1.07	0.70	0.43	0.24	0.13	0.06	16.2	1.70	
		-56	0.05	0.10	0.17	0.29	0.44	0.61	0.79	0.96	1.07	1.07	0.97	0.81	0.62	0.44	0.29	0.17	0.09	0.04	8.98	0.00	
	-64	0.03	0.06	0.11	0.18	0.27	0.36	0.45	0.52	0.57	0.57	0.52	0.45	0.36	0.27	0.18	0.11	0.06	0.03	5.10	0.00		
-72	0.02	0.03	0.06	0.10	0.14	0.19	0.23	0.27	0.29	0.29	0.27	0.23	0.19	0.14	0.10	0.06	0.03	0.02	2.67	0.00			
		-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL (DEG)				16	24	32	40	48	56	64	72		
F t		1.68	3.66	7.21	14.0	27.5	51.8	88.0	127	153	154	130	91.3	54.0	28.3	13.9	6.71	3.17	1.32	958	---		
F a		0.00	0.00	0.00	1.46	18.1	43.8	80.5	120	146	147	123	83.8	46.0	19.0	1.58	0.00	0.00	0.00	---	830		

one-half-peak spread: U:23.5,D:22.6 , L:24.0,R:22.3

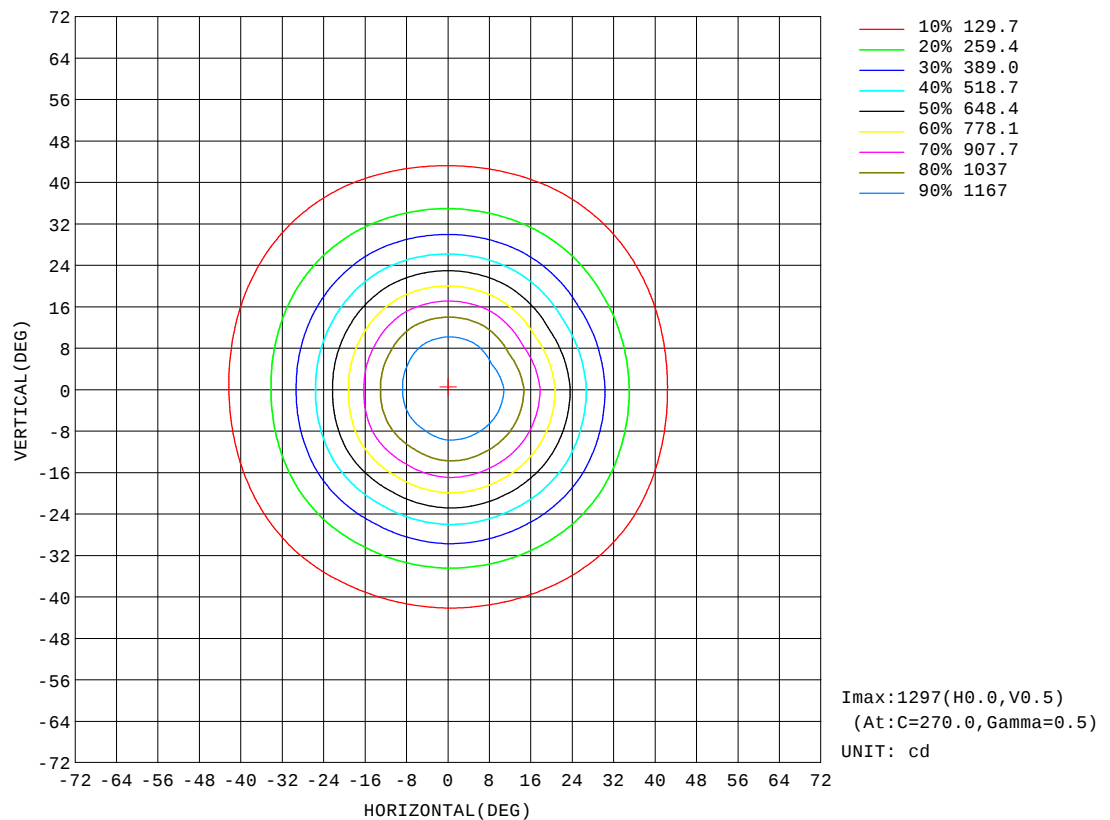
NEMA Beam Type: Type 5

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

$V(B)$ 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-45D-Rev1	TYPE:RGBW W=3000K	WEIGHT:
SPEC.:45 DEG	DIM.:598MM	SERIAL No.:IES001875
MFR.:	SUR.:	Shielding Angle:

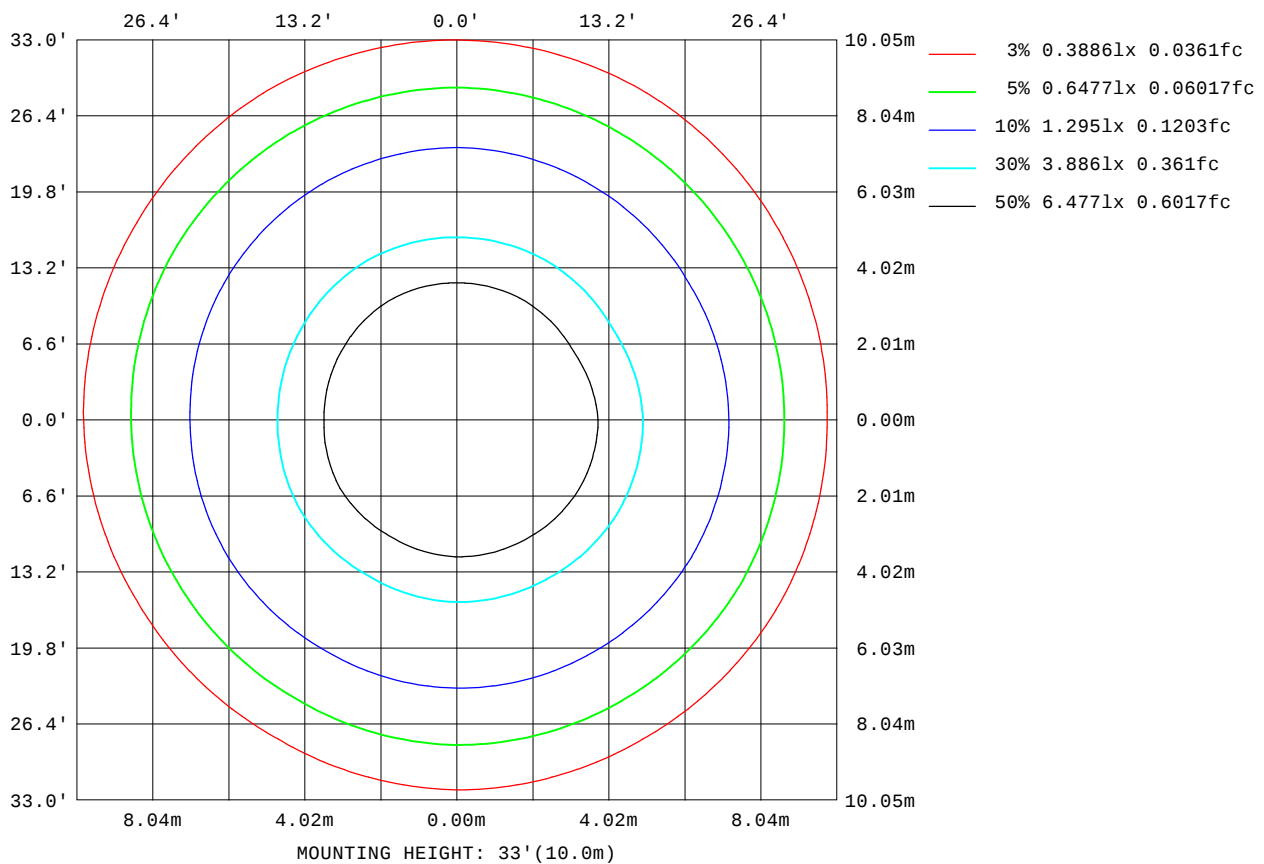


H_(b) Range:-90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:Fan
Test Date:2023-10-12

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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

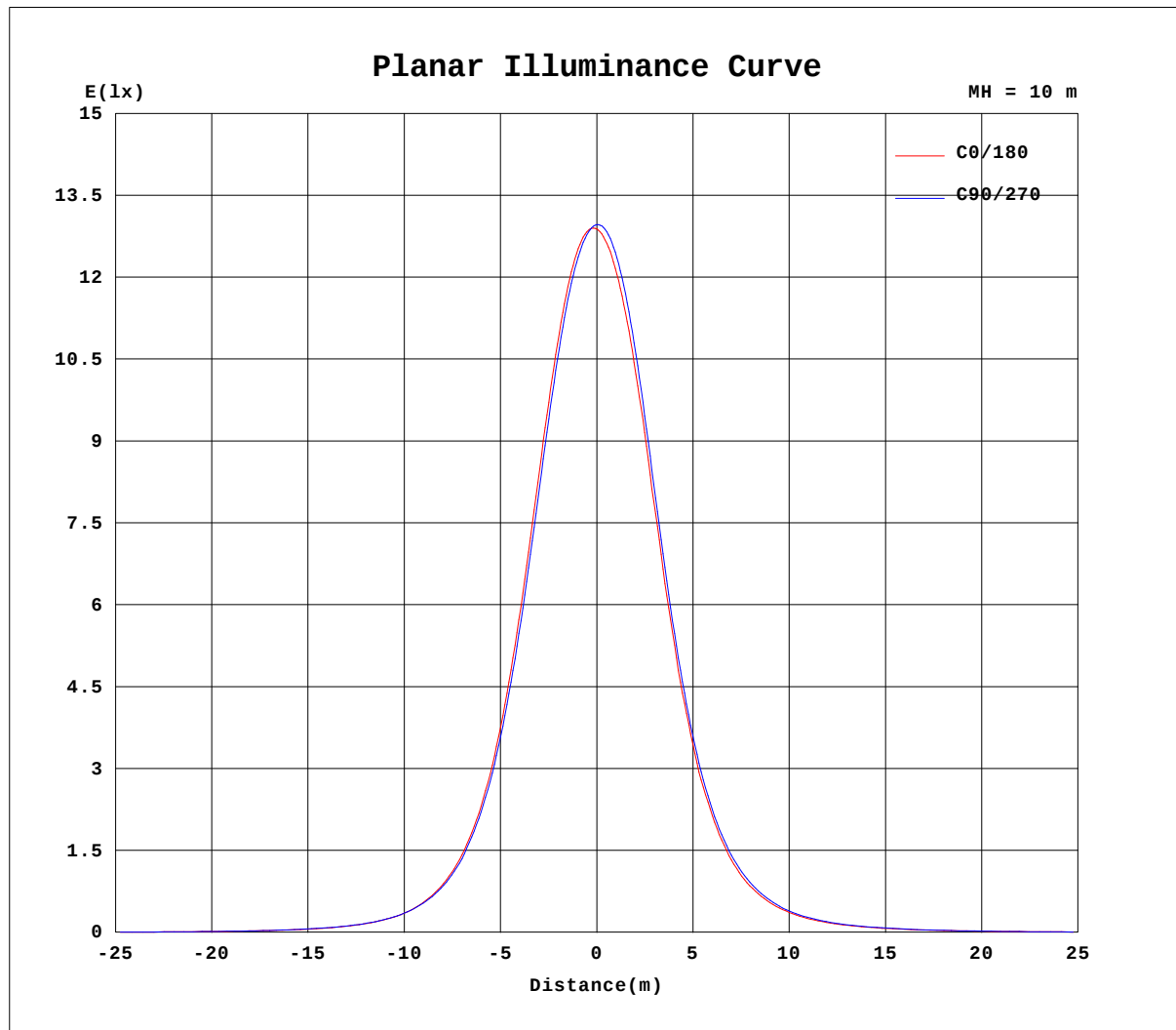
NAME:Blazeline Max-598mm-RGBW ALL-45D-Rev1	TYPE:RGBW W=3000K	WEIGHT:
SPEC.:45 DEG	DIM.:598MM	SERIAL No.:IES001875
MFR.:	SUR.:	Shielding Angle:



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Test Speed: LOW
Temperature: 25.3DEG
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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

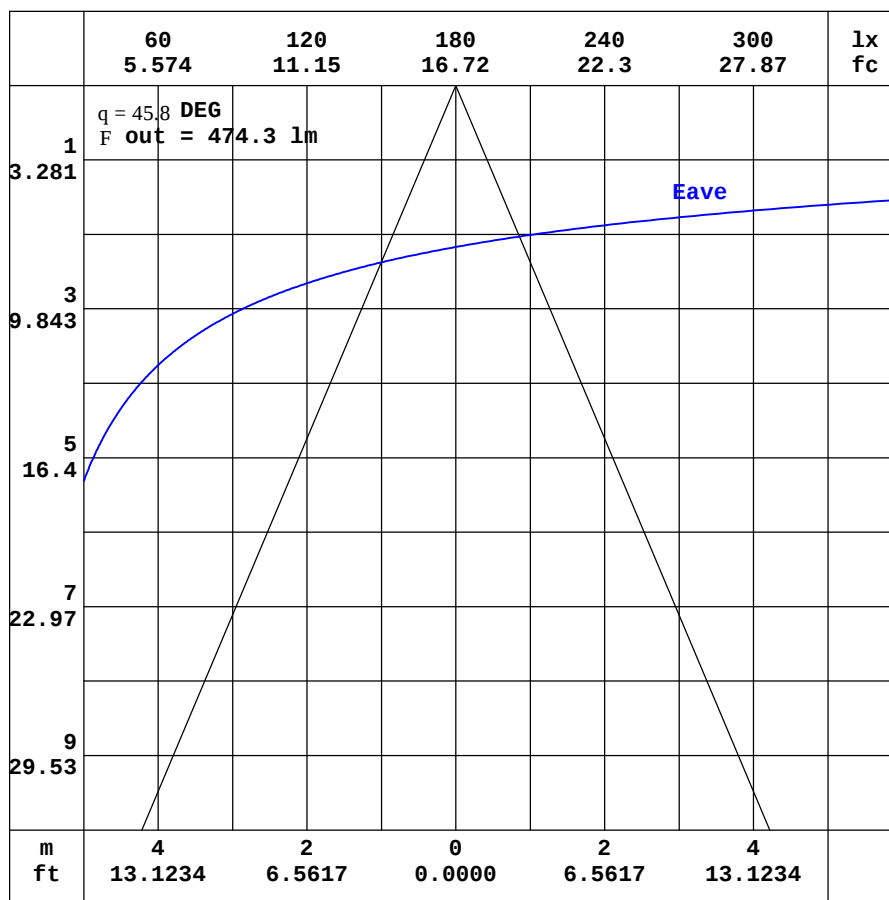


H_b Range: -90 - 90DEG
H_b Interval: 0.5DEG
Test Speed: LOW
Temperature: 25.3DEG
Operators: Fan
Test Date: 2023-10-12

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-45D-Rev1	TYPE:RGBW W=3000K	WEIGHT:
SPEC.:45 DEG	DIM.:598MM	SERIAL No.:IES001875
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-45D-Rev1	TYPE:RGBW W=3000K	WEIGHT:
SPEC.:45 DEG	DIM.:598MM	SERIAL No.:IES001875
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	3.99	3.69	3.52	3.52	3.64	3.92	4.35	4.88	5.48	6.09	6.64	7.10	7.43	7.62	7.65	7.62	7.51	7.42	7.51
-170	3.99	3.62	3.39	3.33	3.35	3.51	3.76	4.08	4.43	4.76	5.05	5.27	5.38	5.41	5.33	5.41	5.86	6.22	6.43
-160	3.99	3.56	3.27	3.14	3.07	3.08	3.15	3.25	3.34	3.41	3.43	3.39	3.36	3.84	4.31	4.74	5.08	5.31	5.43
-150	3.99	3.51	3.16	2.95	2.80	2.69	2.59	2.50	2.37	2.20	2.06	2.37	2.71	3.07	3.42	3.72	3.97	4.14	4.21
-140	3.99	3.47	3.07	2.78	2.55	2.35	2.14	1.91	1.64	1.58	1.71	1.87	2.05	2.25	2.46	2.64	2.80	2.90	2.94
-130	3.99	3.44	3.00	2.64	2.36	2.08	1.81	1.51	1.39	1.42	1.46	1.52	1.58	1.66	1.75	1.83	1.91	1.96	1.98
-120	3.99	3.43	2.96	2.55	2.20	1.88	1.56	1.32	1.34	1.34	1.35	1.36	1.36	1.38	1.41	1.45	1.46	1.49	1.51
-110	3.99	3.44	2.95	2.50	2.09	1.72	1.36	1.26	1.28	1.29	1.29	1.29	1.30	1.31	1.32	1.33	1.35	1.36	1.37
-100	3.99	3.46	2.96	2.49	2.05	1.61	1.20	1.18	1.19	1.20	1.21	1.21	1.21	1.23	1.24	1.25	1.26	1.27	1.28
-90	3.99	3.50	3.02	2.53	2.04	1.56	1.07	1.07	1.06	1.06	1.06	1.06	1.05	1.05	1.05	1.05	1.05	1.05	1.05
-80	3.99	3.57	3.12	2.64	2.16	1.65	1.16	1.24	1.40	1.56	1.72	1.90	2.06	2.25	2.44	2.61	2.76	2.87	2.94
-70	3.99	3.65	3.29	2.98	2.81	2.73	2.80	3.51	4.45	5.41	6.39	7.40	8.42	9.43	10.3	11.1	11.7	12.1	12.3
-60	3.99	3.74	3.60	3.73	4.25	5.20	6.43	7.90	10.0	12.4	14.8	17.3	19.8	22.2	24.3	26.1	27.6	28.6	29.1
-50	3.99	3.88	4.06	4.87	6.45	8.71	11.2	13.7	17.1	21.5	26.4	31.7	37.4	43.4	49.4	55.0	59.8	63.3	64.9
-40	3.99	4.04	4.61	6.21	9.18	12.7	16.6	21.0	26.5	34.0	44.0	56.4	71.2	87.9	105	124	141	153	158
-30	3.99	4.20	5.25	7.76	11.8	16.6	22.3	29.4	38.9	52.2	71.5	99.2	135	179	227	279	328	365	381
-20	3.99	4.36	5.84	9.25	14.3	20.4	28.0	38.1	52.7	74.9	109	160	230	326	435	551	655	738	775
-10	3.99	4.50	6.32	10.4	16.2	23.4	32.4	45.0	64.6	95.2	143	217	329	478	661	850	1005	1109	1161
0	3.99	4.61	6.63	11.1	17.3	25.2	34.9	49.2	71.0	105	158	241	369	539	743	960	1135	1242	1288
10	3.99	4.60	6.54	10.8	16.9	24.4	33.8	47.1	67.2	98.3	148	222	331	478	656	846	1015	1131	1171
20	3.99	4.56	6.28	9.99	15.5	22.4	30.7	41.9	57.6	80.9	116	169	240	334	446	567	677	749	777
30	3.99	4.49	5.87	8.77	13.5	19.2	26.1	34.4	45.5	60.4	81.1	110	148	193	244	300	346	376	386
40	3.99	4.40	5.39	7.44	11.2	15.6	20.8	26.7	33.7	42.7	53.8	67.6	83.7	102	122	140	156	166	170
50	3.99	4.31	4.96	6.35	8.48	11.8	15.4	19.3	23.8	29.0	34.8	41.1	48.2	55.0	61.7	67.5	72.0	74.8	75.7
60	3.99	4.21	4.61	5.29	6.47	8.01	10.3	12.8	15.4	18.2	21.3	24.3	27.4	30.5	32.7	34.8	36.5	37.4	37.8
70	3.99	4.15	4.35	4.63	5.05	5.65	6.42	7.37	8.56	9.97	11.4	12.6	13.8	15.0	16.1	17.0	17.6	18.0	18.2
80	3.99	4.08	4.17	4.26	4.37	4.49	4.61	4.78	5.00	5.23	5.50	5.79	6.08	6.32	6.53	6.71	6.85	6.94	6.99
90	3.99	4.01	4.03	4.04	4.06	4.08	4.09	4.08	4.08	4.07	4.06	4.05	4.04	4.04	4.04	4.04	4.04	4.04	4.04
100	3.99	3.95	3.90	3.86	3.82	3.79	3.76	3.72	3.68	3.64	3.60	3.56	3.53	3.51	3.51	3.50	3.50	3.50	3.50
110	3.99	3.89	3.79	3.72	3.66	3.61	3.56	3.53	3.49	3.48	3.46	3.46	3.47	3.47	3.47	3.47	3.46	3.45	3.44
120	3.99	3.83	3.71	3.62	3.55	3.51	3.50	3.49	3.50	3.56	3.63	3.72	3.80	3.89	3.97	4.02	4.07	4.09	4.10
130	3.99	3.79	3.65	3.55	3.51	3.51	3.52	3.62	3.76	3.94	4.14	4.36	4.57	4.77	4.95	5.10	5.21	5.27	5.29
140	3.99	3.75	3.60	3.52	3.51	3.55	3.69	3.90	4.17	4.50	4.84	5.19	5.53	5.84	6.11	6.32	6.48	6.57	6.60
150	3.99	3.73	3.56	3.51	3.54	3.67	3.90	4.24	4.64	5.09	5.54	5.99	6.40	6.76	7.06	7.30	7.45	7.53	7.57
160	3.99	3.71	3.54	3.52	3.58	3.78	4.12	4.55	5.06	5.60	6.12	6.58	6.96	7.28	7.52	7.70	7.78	7.85	7.92
170	3.99	3.70	3.52	3.52	3.62	3.87	4.27	4.78	5.35	5.94	6.49	6.95	7.29	7.49	7.57	7.59	7.63	7.64	7.73
180	3.99	3.69	3.52	3.52	3.64	3.92	4.35	4.88	5.48	6.09	6.64	7.10	7.43	7.62	7.65	7.62	7.51	7.42	7.53

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-45D-Rev1	TYPE:RGBW W=3000K	WEIGHT:
SPEC.:45 DEG	DIM.:598MM	SERIAL No.:IES001875
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	6.78	6.31	5.81	5.26	4.65	4.01	3.39	2.83	2.35	1.93	1.65	1.48	1.37	1.32	1.27	1.20	1.09	0.99	
-170	6.17	5.92	5.53	5.02	4.45	3.85	3.27	2.74	2.30	1.90	1.65	1.48	1.38	1.33	1.28	1.21	1.09	0.99	
-160	5.30	5.08	4.77	4.36	3.88	3.39	2.91	2.48	2.10	1.80	1.59	1.46	1.38	1.33	1.28	1.21	1.09	0.99	
-150	4.15	3.99	3.76	3.45	3.10	2.74	2.41	2.12	1.87	1.67	1.53	1.43	1.37	1.32	1.26	1.19	1.08	0.99	
-140	2.91	2.81	2.67	2.48	2.28	2.09	1.91	1.76	1.64	1.55	1.46	1.40	1.35	1.30	1.25	1.17	1.08	0.99	
-130	1.96	1.92	1.85	1.78	1.69	1.62	1.56	1.51	1.47	1.44	1.40	1.36	1.32	1.28	1.22	1.15	1.06	0.99	
-120	1.49	1.47	1.45	1.43	1.40	1.39	1.38	1.38	1.37	1.37	1.35	1.32	1.28	1.24	1.18	1.11	1.04	0.99	
-110	1.36	1.35	1.34	1.33	1.31	1.30	1.30	1.30	1.30	1.30	1.28	1.26	1.22	1.18	1.13	1.08	1.02	0.99	
-100	1.27	1.26	1.25	1.23	1.22	1.22	1.22	1.21	1.20	1.19	1.18	1.17	1.14	1.11	1.08	1.04	1.01	0.99	
-90	1.05	1.04	1.04	1.04	1.04	1.03	1.04	1.04	1.04	1.05	1.05	1.05	1.04	1.03	1.02	1.01	1.00	0.99	
-80	2.88	2.78	2.64	2.47	2.28	2.10	1.94	1.77	1.61	1.45	1.28	1.16	1.09	1.06	1.04	1.02	1.01	0.99	
-70	12.1	11.6	11.0	10.2	9.32	8.32	7.42	6.48	5.54	4.58	3.59	2.75	2.10	1.61	1.25	1.08	1.02	0.99	
-60	28.7	27.7	26.2	24.4	22.1	19.8	17.2	14.8	12.4	10.2	8.08	6.14	4.35	2.85	1.87	1.25	1.04	0.99	
-50	63.7	60.7	56.0	50.5	44.3	38.1	32.1	26.5	21.5	17.2	13.5	10.3	7.40	4.82	2.75	1.56	1.07	0.99	
-40	154	144	128	110	91.3	73.6	57.9	44.8	34.3	26.1	19.8	14.8	10.6	6.97	3.89	1.99	1.12	0.99	
-30	370	338	292	239	188	142	103	73.8	52.3	37.3	26.8	19.4	13.7	8.98	5.12	2.37	1.18	0.99	
-20	752	680	578	461	347	245	168	112	74.2	49.7	33.8	23.5	16.3	10.7	6.12	2.73	1.24	0.99	
-10	1134	1042	890	702	514	353	231	148	93.3	59.8	39.3	26.5	18.1	11.8	6.77	2.99	1.28	0.99	
0	1275	1189	1026	810	588	400	260	163	101	63.8	41.3	27.6	18.8	12.2	7.01	3.09	1.30	0.99	
10	1138	1026	856	669	492	342	228	148	94.5	61.6	40.9	27.8	19.1	12.4	7.15	3.21	1.38	0.99	
20	750	678	565	444	332	239	168	114	77.5	53.3	37.0	26.1	18.1	11.8	6.86	3.16	1.44	0.99	
30	375	343	295	241	191	145	108	79.3	58.3	42.8	31.3	22.9	16.1	10.6	6.14	2.99	1.47	0.99	
40	166	154	139	120	101	82.0	66.2	52.6	41.6	32.6	25.1	18.8	13.4	8.89	5.15	2.76	1.49	0.99	
50	74.5	71.4	66.7	60.7	54.0	47.2	40.2	34.1	28.5	23.5	18.8	14.3	10.3	6.88	4.21	2.46	1.50	0.99	
60	37.3	36.2	34.4	32.4	30.1	27.0	24.0	21.0	18.1	15.3	12.7	9.91	7.21	5.05	3.42	2.25	1.51	0.99	
70	18.0	17.6	16.9	16.0	14.9	13.7	12.6	11.3	10.0	8.70	7.50	6.33	4.98	3.81	2.88	2.13	1.51	0.99	
80	6.94	6.85	6.72	6.54	6.33	6.09	5.81	5.52	5.25	5.01	4.80	4.57	3.90	3.26	2.64	2.06	1.51	0.99	
90	4.03	4.03	4.02	4.02	4.01	4.01	4.02	4.02	4.03	4.04	4.04	4.05	3.54	3.03	2.52	2.01	1.50	0.99	
100	3.50	3.49	3.49	3.49	3.50	3.51	3.54	3.57	3.60	3.64	3.69	3.69	3.29	2.87	2.43	1.96	1.48	0.99	
110	3.45	3.45	3.46	3.45	3.45	3.44	3.43	3.44	3.44	3.46	3.49	3.41	3.07	2.72	2.33	1.92	1.46	0.99	
120	4.09	4.06	4.00	3.93	3.85	3.77	3.68	3.59	3.52	3.46	3.46	3.21	2.88	2.56	2.23	1.85	1.44	0.99	
130	5.26	5.19	5.07	4.92	4.73	4.52	4.30	4.08	3.87	3.70	3.43	3.02	2.71	2.40	2.11	1.78	1.41	0.99	
140	6.57	6.47	6.31	6.09	5.81	5.49	5.14	4.77	4.42	3.95	3.34	2.87	2.51	2.23	1.97	1.69	1.36	0.99	
150	7.54	7.46	7.32	7.08	6.76	6.38	5.95	5.48	4.63	3.83	3.17	2.67	2.31	2.04	1.81	1.58	1.30	0.99	
160	7.87	7.84	7.76	7.59	7.34	6.99	6.07	5.11	4.22	3.45	2.83	2.37	2.05	1.82	1.65	1.47	1.24	0.99	
170	7.60	7.68	7.70	7.28	6.56	5.77	4.95	4.16	3.44	2.79	2.31	1.96	1.73	1.58	1.47	1.34	1.17	0.99	
180	6.78	6.31	5.81	5.26	4.65	4.01	3.39	2.83	2.35	1.93	1.65	1.48	1.37	1.32	1.27	1.20	1.09	0.99	

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: