

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	2137.0 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	58.6V x 81.6H
	At 50% of Imax	20.1V x 48.8H
	At 90% of Imax	7.6V x 23.0H

Beam Flux	Total	1000.1 lumens per klm.
	To 10% of Imax	777.5 lumens per klm.
	To 50% of Imax	373.3 lumens per klm.
	To 90% of Imax	85.0 lumens per klm.

Upward LOR	2.3 %
Downward LOR	97.7 %

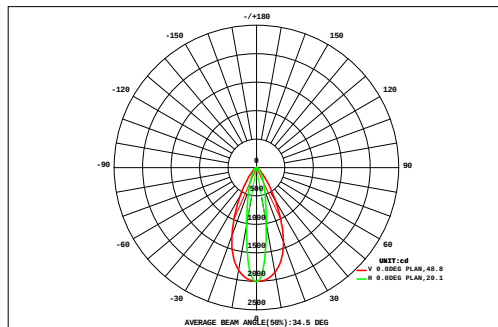
Luminaire Efficiency(Light Output Ratio)	100.0 %
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H_(b) Range:-90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:Fan
Test Date:2023-10-12

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-2050D-Rev1	TYPE:RGBW W=3000K	WEIGHT:
SPEC.:20x50 DEG	DIM.:598MM	SERIAL No.:IES001880
MFR.:	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:39.01lm/W	
MODEL		Imax(cd)	2001
NOMINAL POWER(W)	24.3	AVAILABILITY(%)	77.8
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	728.7
NOMINAL FLUX(lm)	936.2	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	936.2
TEST VOLTAGE(V)	221.4	q @50%(H,V)	49,20DEG

72 64 56 48 40 32 24 16 8 0 -8 -16 -24 -32 -40 -48 -56 -64 -72 -72	AREA FLUX DIAGRAM																UNIT:lm				F t	F a
	0.04	0.06	0.10	0.14	0.19	0.23	0.27	0.30	0.31	0.31	0.29	0.26	0.23	0.18	0.14	0.10	0.06	0.03	3.26	0.00		
	0.05	0.09	0.16	0.23	0.31	0.39	0.46	0.51	0.53	0.53	0.50	0.45	0.38	0.30	0.22	0.15	0.09	0.04	5.40	0.00		
	0.06	0.13	0.22	0.34	0.48	0.61	0.74	0.84	0.87	0.87	0.82	0.72	0.59	0.46	0.33	0.21	0.12	0.05	8.47	0.00		
	0.08	0.17	0.30	0.48	0.71	0.96	1.20	1.40	1.47	1.46	1.37	1.16	0.93	0.68	0.46	0.28	0.15	0.07	13.3	0.00		
	0.10	0.22	0.40	0.66	1.05	1.54	2.01	2.41	2.61	2.60	2.38	1.96	1.49	1.01	0.63	0.36	0.19	0.08	21.7	0.00		
	0.12	0.26	0.50	0.91	1.57	2.52	3.49	4.22	4.69	4.68	4.19	3.45	2.48	1.53	0.87	0.45	0.22	0.09	36.2	16.9		
	0.13	0.30	0.62	1.23	2.37	4.10	6.26	7.71	8.45	8.45	7.74	6.33	4.11	2.37	1.19	0.55	0.25	0.10	62.2	52.2		
	0.14	0.34	0.73	1.60	3.53	6.92	11.3	15.5	16.8	16.9	16.0	11.8	7.34	3.71	1.58	0.65	0.27	0.11	115	108		
	0.15	0.36	0.81	1.92	4.76	10.6	19.4	28.0	32.9	33.4	29.0	20.9	11.8	5.21	1.96	0.72	0.29	0.11	202	196		
	0.15	0.36	0.80	1.89	4.69	10.5	19.1	27.2	32.3	33.3	28.8	20.9	11.8	5.18	1.94	0.71	0.28	0.11	200	194		
	0.14	0.32	0.69	1.51	3.34	6.56	10.7	14.6	16.3	16.8	15.6	11.7	7.28	3.63	1.53	0.62	0.26	0.10	112	104		
	0.12	0.28	0.56	1.11	2.12	3.64	5.64	6.96	7.91	8.05	7.33	6.10	3.95	2.24	1.10	0.50	0.22	0.09	57.9	47.5		
	0.10	0.23	0.43	0.76	1.32	2.12	2.94	3.58	4.06	4.12	3.74	3.13	2.25	1.37	0.75	0.39	0.19	0.08	31.6	10.0		
	0.08	0.18	0.31	0.52	0.84	1.23	1.58	1.93	2.13	2.15	1.99	1.65	1.27	0.85	0.51	0.29	0.15	0.06	17.7	0.00		
	0.06	0.13	0.22	0.36	0.53	0.73	0.90	1.07	1.15	1.15	1.08	0.91	0.73	0.53	0.34	0.21	0.11	0.05	10.3	0.00		
	0.05	0.09	0.15	0.24	0.34	0.44	0.54	0.61	0.65	0.65	0.61	0.53	0.43	0.33	0.23	0.14	0.08	0.03	6.13	0.00		
	0.03	0.06	0.09	0.15	0.21	0.26	0.32	0.35	0.37	0.37	0.35	0.31	0.25	0.20	0.14	0.09	0.05	0.02	3.62	0.00		
	0.02	0.03	0.05	0.08	0.11	0.14	0.17	0.19	0.20	0.19	0.18	0.16	0.13	0.10	0.08	0.05	0.03	0.01	1.92	0.00		
	-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL (DEG)				16	24	32	40	48	56	64	72		
F t	1.64	3.61	7.15	14.1	28.5	53.5	87.0	117	134	136	122	92.4	57.5	29.9	14.0	6.49	3.00	1.23	909	---		
F a	0.00	0.00	0.00	0.00	14.1	40.4	74.5	105	121	123	109	80.3	44.7	16.3	0.34	0.00	0.00	0.00	---	729		

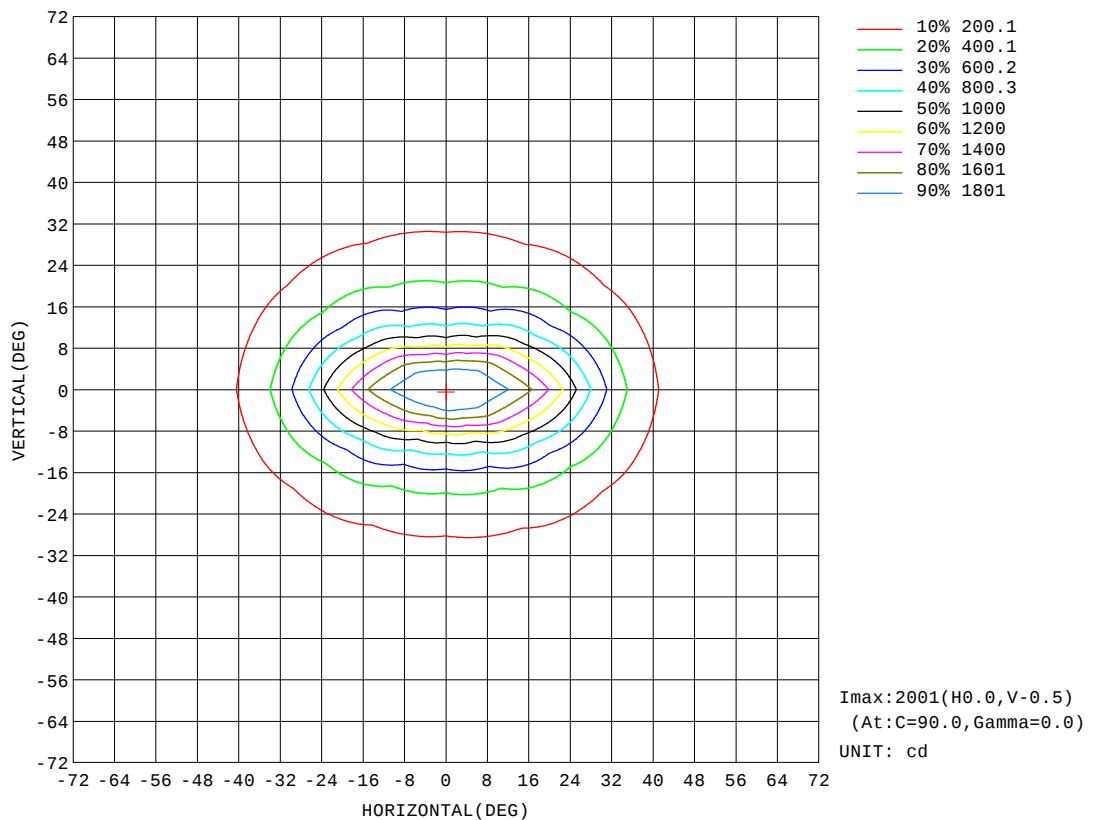
one-half-peak spread: U:9.8,D:10.6 , L:23.8,RN25.3 Beam Type: Type 5 x 4 (H x V)

H_b Range: -90 - 90DEG
H_b Interval: 0.5DEG
Test Speed: LOW
Temperature: 25.3DEG
Operators: 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-2050D-Rev1	TYPE:RGBW W=3000K	WEIGHT:
SPEC.:20x50 DEG	DIM.:598MM	SERIAL No.:IES001880
MFR.:	SUR.:	Shielding Angle:

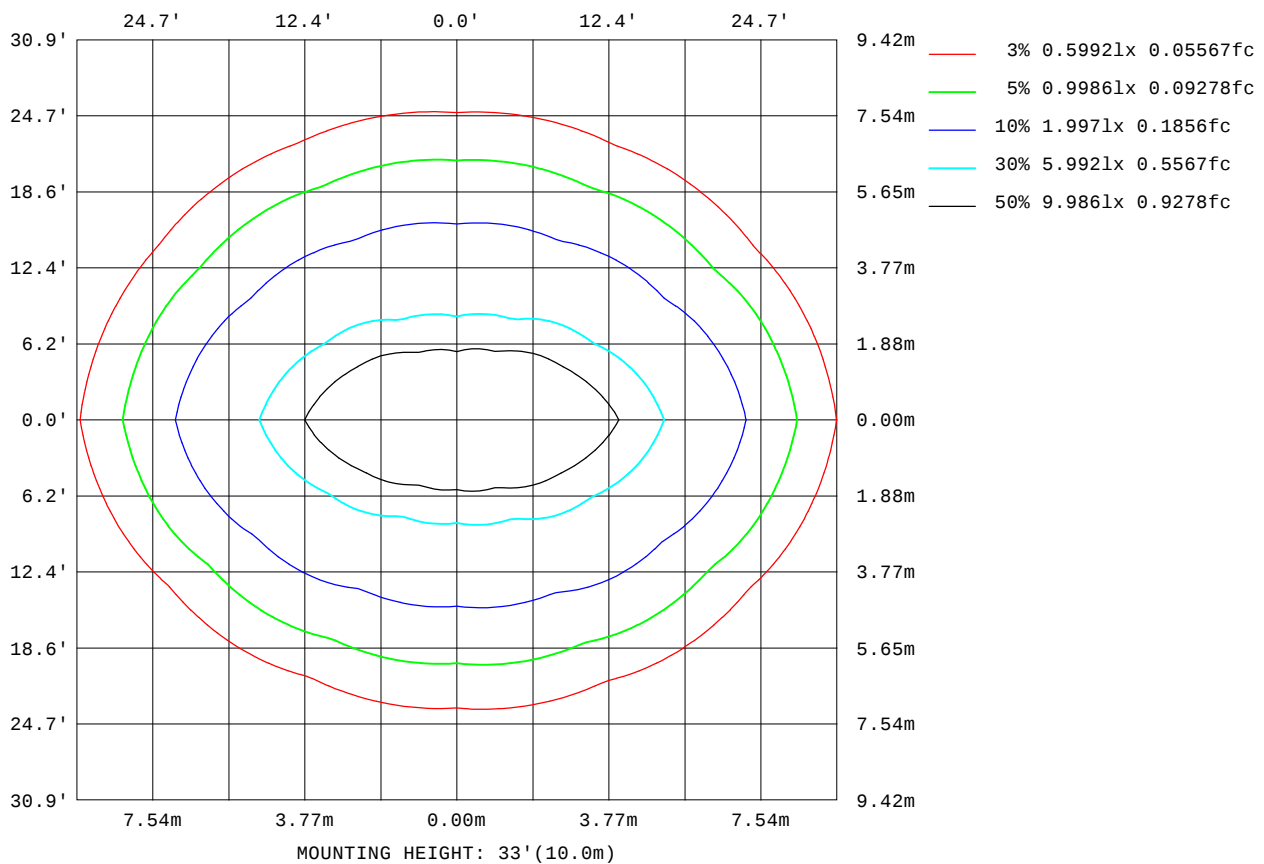


H_(b) Range:-90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:Fan
Test Date:2023-10-12

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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

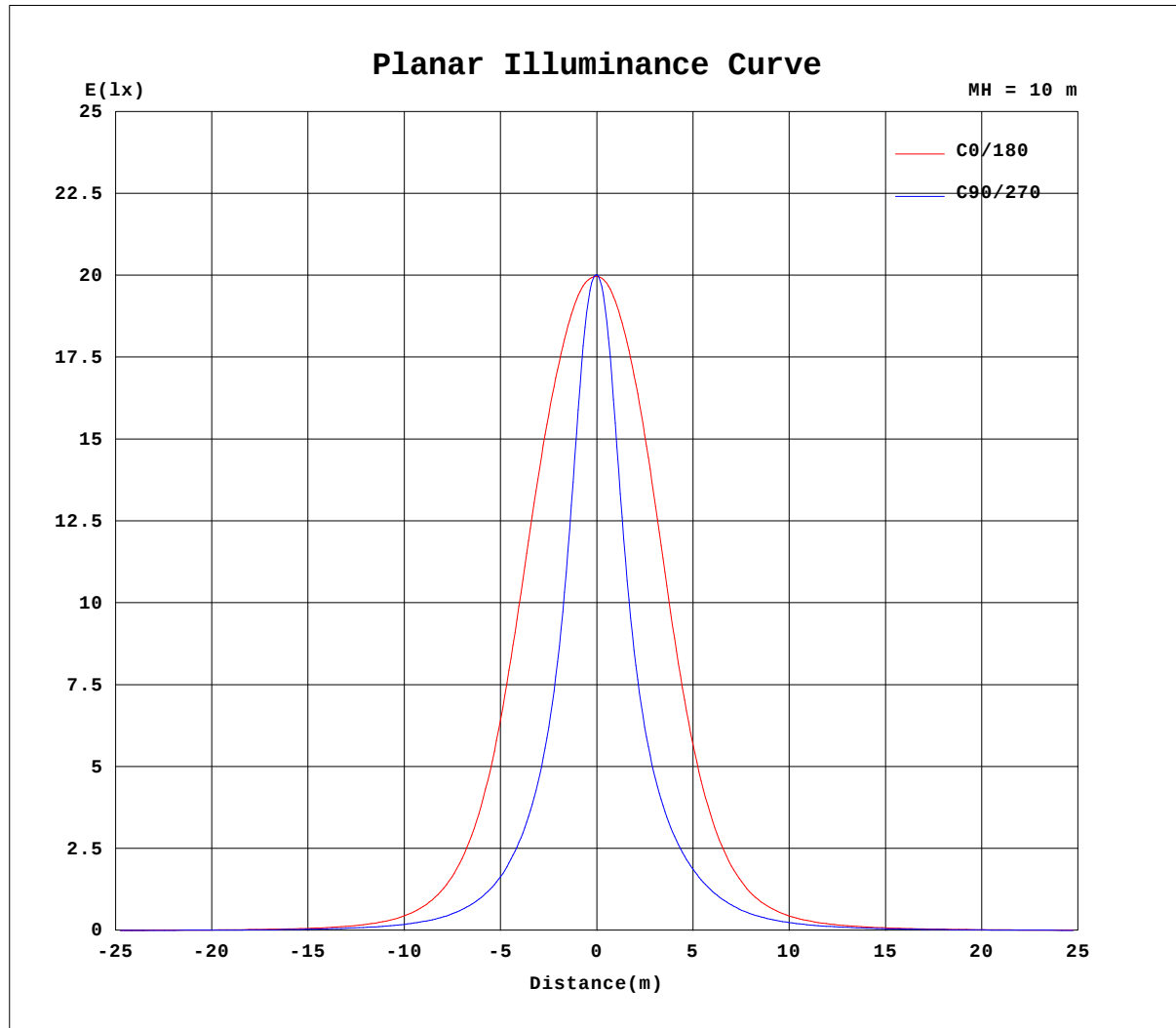
NAME:Blazeline Max-598mm-RGBW ALL-2050D-Rev1	TYPE:RGBW W=3000K	WEIGHT:
SPEC.:20x50 DEG	DIM.:598MM	SERIAL No.:IES001880
MFR.:	SUR.:	Shielding Angle:



H_(b) Range: -90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: LOW
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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

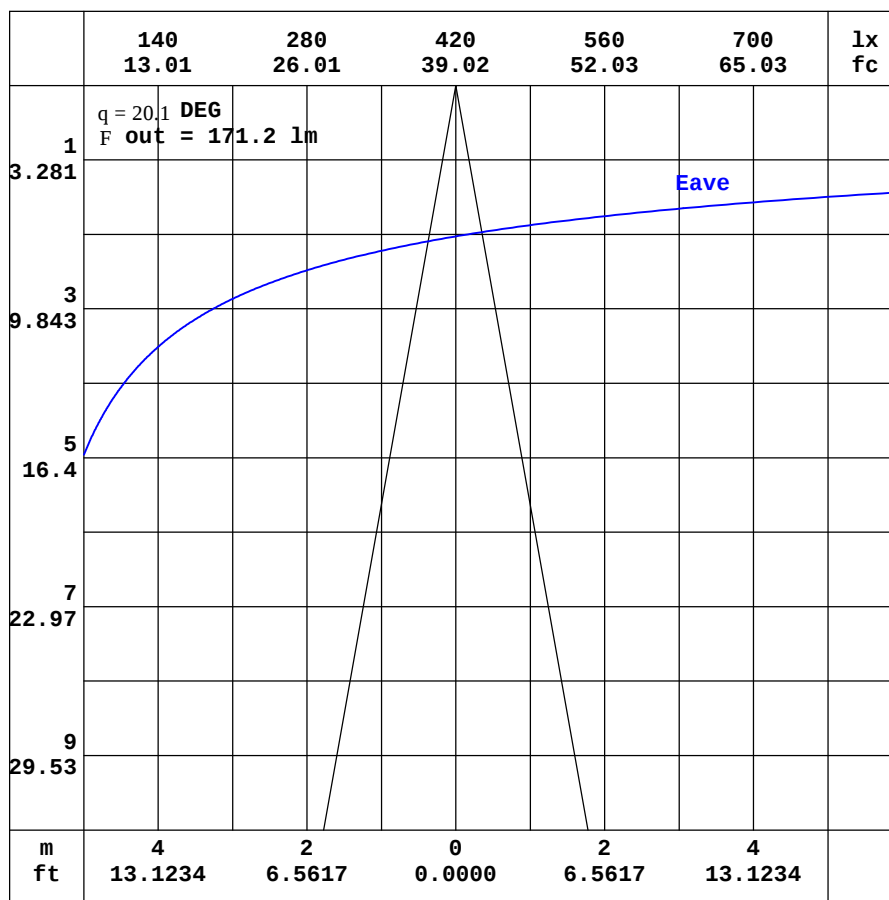


H_b Range: -90 - 90DEG
H_b Interval: 0.5DEG
Test Speed: LOW
Temperature: 25.3DEG
Operators: Fan
Test Date: 2023-10-12

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-2050D-Rev1	TYPE:RGBW W=3000K	WEIGHT:
SPEC.:20x50 DEG	DIM.:598MM	SERIAL No.:IES001880
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-2050D-Rev1	TYPE:RGBW W=3000K	WEIGHT:
SPEC.:20x50 DEG	DIM.:598MM	SERIAL No.:IES001880
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	3.79	3.48	3.33	3.35	3.49	3.78	4.19	4.68	5.21	5.72	6.18	6.56	6.82	6.97	6.94	6.86	6.77	6.70	6.74
-170	3.79	3.42	3.21	3.16	3.22	3.39	3.62	3.92	4.21	4.50	4.76	4.97	5.13	5.22	5.20	5.29	5.73	6.14	6.54
-160	3.79	3.36	3.10	2.99	2.94	2.97	3.04	3.12	3.19	3.24	3.27	3.28	3.33	3.81	4.31	4.79	5.22	5.52	5.68
-150	3.79	3.32	3.00	2.81	2.68	2.59	2.51	2.41	2.28	2.10	1.97	2.22	2.53	2.86	3.20	3.53	3.83	4.02	4.11
-140	3.79	3.28	2.91	2.66	2.45	2.26	2.07	1.85	1.58	1.48	1.54	1.62	1.74	1.88	2.02	2.22	2.37	2.47	2.49
-130	3.79	3.27	2.86	2.53	2.27	2.01	1.76	1.47	1.34	1.34	1.32	1.30	1.26	1.24	1.28	1.33	1.37	1.39	1.39
-120	3.79	3.26	2.82	2.44	2.12	1.83	1.53	1.31	1.32	1.31	1.29	1.26	1.23	1.19	1.16	1.14	1.12	1.11	1.09
-110	3.79	3.27	2.81	2.40	2.02	1.68	1.35	1.27	1.29	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.29	1.29	1.28
-100	3.79	3.30	2.84	2.40	1.98	1.59	1.21	1.20	1.22	1.24	1.26	1.27	1.28	1.30	1.31	1.32	1.33	1.34	1.35
-90	3.79	3.34	2.89	2.44	1.99	1.54	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.10	1.10	1.10	1.11	1.11
-80	3.79	3.40	2.98	2.55	2.11	1.62	1.14	1.18	1.29	1.40	1.50	1.59	1.67	1.77	1.85	1.92	1.98	2.01	2.02
-70	3.79	3.47	3.17	2.88	2.69	2.57	2.55	3.05	3.75	4.43	5.08	5.70	6.22	6.79	7.33	7.75	8.04	8.19	8.21
-60	3.79	3.57	3.48	3.59	4.02	4.79	5.73	6.85	8.50	10.2	11.8	13.3	14.7	15.9	17.1	18.0	18.6	18.9	18.9
-50	3.79	3.72	3.91	4.66	6.06	8.04	10.1	12.2	14.8	18.0	21.3	24.6	27.6	30.2	32.9	35.3	37.0	37.8	37.6
-40	3.79	3.88	4.46	5.98	8.65	11.9	15.5	19.3	23.5	28.9	35.8	43.4	51.2	58.2	63.4	70.7	75.9	78.7	78.3
-30	3.79	4.04	5.05	7.44	11.4	16.1	21.5	28.0	36.0	46.1	59.3	77.7	98.3	118	135	147	165	175	174
-20	3.79	4.20	5.64	8.89	13.9	20.1	27.8	37.7	51.7	72.1	102	140	183	244	305	347	363	400	399
-10	3.79	4.33	6.12	10.0	16.0	23.6	33.4	47.1	68.2	103	159	250	374	525	677	825	951	976	1019
0	3.79	4.45	6.44	10.8	17.3	25.9	37.2	53.7	80.1	126	210	358	587	900	1270	1603	1829	1958	1997
10	3.79	4.43	6.33	10.4	16.6	24.6	35.0	49.4	71.5	107	166	262	390	547	712	878	1004	1009	999
20	3.79	4.38	6.06	9.61	15.1	22.1	30.7	41.9	57.7	80.3	113	158	209	273	338	386	402	430	418
30	3.79	4.31	5.64	8.44	13.1	18.7	25.4	33.4	43.5	56.2	72.4	93.3	117	143	164	179	197	207	205
40	3.79	4.21	5.20	7.20	10.6	14.9	19.7	25.2	31.3	38.4	46.7	56.1	65.8	75.2	83.2	91.1	96.9	99.2	97.8
50	3.79	4.12	4.77	6.07	8.07	11.0	14.3	17.9	21.6	25.6	29.8	33.9	38.2	41.6	45.3	48.2	49.9	50.5	50.0
60	3.79	4.01	4.42	5.07	6.14	7.57	9.47	11.6	13.8	15.9	18.1	20.0	21.8	23.6	24.9	26.1	27.0	27.3	27.2
70	3.79	3.93	4.15	4.42	4.81	5.34	6.01	6.83	7.73	8.73	9.73	10.6	11.3	12.0	12.7	13.2	13.5	13.6	13.6
80	3.79	3.87	3.94	4.04	4.15	4.26	4.37	4.49	4.65	4.81	4.99	5.17	5.35	5.51	5.63	5.72	5.78	5.80	5.78
90	3.79	3.80	3.81	3.82	3.83	3.84	3.85	3.83	3.81	3.79	3.77	3.75	3.73	3.72	3.71	3.70	3.69	3.68	3.67
100	3.79	3.74	3.69	3.64	3.60	3.55	3.51	3.45	3.38	3.32	3.26	3.20	3.14	3.11	3.09	3.08	3.07	3.06	3.06
110	3.79	3.68	3.58	3.49	3.41	3.35	3.29	3.22	3.15	3.10	3.06	3.03	3.00	2.98	2.97	2.95	2.94	2.93	2.91
120	3.79	3.63	3.49	3.38	3.31	3.25	3.21	3.18	3.17	3.18	3.20	3.23	3.25	3.28	3.30	3.31	3.31	3.29	3.24
130	3.79	3.59	3.43	3.32	3.27	3.25	3.26	3.34	3.45	3.58	3.72	3.88	4.05	4.22	4.40	4.55	4.68	4.76	4.78
140	3.79	3.54	3.38	3.30	3.28	3.32	3.45	3.65	3.90	4.18	4.49	4.83	5.18	5.54	5.88	6.19	6.44	6.62	6.72
150	3.79	3.52	3.35	3.30	3.32	3.45	3.69	4.01	4.39	4.81	5.25	5.72	6.18	6.61	6.97	7.27	7.46	7.57	7.62
160	3.79	3.50	3.33	3.32	3.39	3.60	3.92	4.33	4.81	5.31	5.83	6.32	6.77	7.15	7.45	7.68	7.86	7.96	8.08
170	3.79	3.49	3.33	3.33	3.45	3.72	4.09	4.57	5.09	5.62	6.13	6.58	6.95	7.20	7.30	7.34	7.36	7.46	7.78
180	3.79	3.48	3.33	3.35	3.49	3.78	4.19	4.68	5.21	5.72	6.18	6.56	6.82	6.97	6.94	6.86	6.77	6.70	6.76

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-2050D-Rev1	TYPE:RGBW W=3000K	WEIGHT:
SPEC.:20x50 DEG	DIM.:598MM	SERIAL No.:IES001880
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	6.13	5.70	5.26	4.81	4.31	3.78	3.28	2.80	2.40	2.01	1.73	1.54	1.43	1.34	1.28	1.20	1.09	1.01
-170	6.37	6.03	5.57	5.02	4.42	3.81	3.25	2.75	2.33	1.96	1.71	1.52	1.42	1.34	1.29	1.21	1.09	1.01
-160	5.56	5.31	4.92	4.44	3.93	3.44	2.94	2.50	2.13	1.84	1.64	1.49	1.40	1.33	1.28	1.20	1.09	1.01
-150	4.07	3.92	3.68	3.35	3.00	2.66	2.36	2.11	1.87	1.69	1.54	1.45	1.38	1.32	1.26	1.19	1.08	1.01
-140	2.51	2.45	2.33	2.16	2.02	1.88	1.76	1.68	1.62	1.54	1.47	1.41	1.36	1.31	1.24	1.17	1.07	1.01
-130	1.42	1.43	1.42	1.40	1.38	1.39	1.41	1.43	1.44	1.43	1.41	1.37	1.33	1.28	1.23	1.15	1.06	1.01
-120	1.13	1.16	1.19	1.23	1.27	1.32	1.35	1.38	1.38	1.38	1.37	1.34	1.29	1.25	1.19	1.12	1.04	1.01
-110	1.30	1.31	1.33	1.34	1.35	1.36	1.36	1.35	1.34	1.33	1.31	1.28	1.23	1.19	1.15	1.09	1.03	1.01
-100	1.35	1.34	1.33	1.32	1.31	1.30	1.28	1.27	1.26	1.24	1.22	1.20	1.17	1.13	1.09	1.05	1.03	1.01
-90	1.10	1.09	1.08	1.07	1.06	1.05	1.06	1.06	1.07	1.07	1.08	1.09	1.07	1.06	1.05	1.04	1.02	1.01
-80	2.00	1.96	1.89	1.81	1.72	1.62	1.56	1.48	1.38	1.29	1.19	1.13	1.09	1.08	1.07	1.05	1.03	1.01
-70	8.11	7.88	7.52	7.05	6.48	5.92	5.45	4.89	4.30	3.65	2.99	2.36	1.89	1.51	1.23	1.11	1.04	1.01
-60	18.8	18.4	17.6	16.6	15.2	14.0	12.7	11.2	9.70	8.14	6.61	5.15	3.75	2.55	1.76	1.25	1.08	1.01
-50	37.8	37.0	35.2	32.7	29.7	27.0	23.9	20.6	17.3	14.2	11.4	8.81	6.41	4.25	2.52	1.52	1.11	1.01
-40	79.6	77.5	72.5	65.1	59.3	51.7	43.4	35.3	28.2	22.2	17.3	13.1	9.40	6.22	3.56	1.90	1.15	1.01
-30	178	171	155	143	125	103	80.0	60.1	45.0	33.2	24.4	17.8	12.5	8.14	4.66	2.25	1.20	1.01
-20	408	378	370	330	266	198	149	105	70.5	47.4	32.4	22.4	15.3	9.87	5.64	2.57	1.25	1.01
-10	1016	1018	901	745	584	418	273	170	102	62.5	39.8	26.3	17.5	11.1	6.31	2.82	1.29	1.01
0	1973	1867	1680	1387	1015	665	400	227	127	72.8	44.3	28.6	18.7	11.7	6.61	2.93	1.30	1.01
10	1026	1036	914	750	587	421	278	173	105	65.1	41.8	27.8	18.5	11.8	6.69	3.03	1.38	1.01
20	430	401	389	342	275	207	158	112	76.6	52.3	36.1	25.2	17.2	11.1	6.38	2.98	1.43	1.01
30	206	196	176	161	140	115	90.6	69.9	53.3	39.8	29.4	21.4	15.0	9.78	5.67	2.85	1.47	1.01
40	98.5	95.5	89.3	80.7	72.8	63.5	53.9	44.9	36.7	29.4	22.8	17.1	12.3	8.15	4.79	2.63	1.49	1.01
50	50.1	49.1	46.8	43.8	40.2	36.6	32.6	28.5	24.5	20.6	16.8	12.9	9.35	6.30	3.92	2.37	1.50	1.01
60	27.1	26.5	25.6	24.4	22.8	21.1	19.3	17.3	15.3	13.3	11.3	8.95	6.59	4.67	3.23	2.18	1.50	1.01
70	13.5	13.3	12.9	12.4	11.7	11.0	10.2	9.44	8.60	7.68	6.78	5.82	4.64	3.60	2.75	2.07	1.50	1.01
80	5.77	5.73	5.65	5.55	5.41	5.27	5.11	4.94	4.77	4.62	4.47	4.31	3.69	3.10	2.53	2.00	1.49	1.01
90	3.67	3.67	3.67	3.67	3.67	3.67	3.69	3.71	3.74	3.76	3.78	3.80	3.33	2.87	2.40	1.94	1.47	1.01
100	3.06	3.07	3.07	3.08	3.10	3.12	3.17	3.22	3.28	3.34	3.40	3.43	3.07	2.70	2.30	1.89	1.46	1.01
110	2.93	2.95	2.96	2.97	2.99	3.00	3.03	3.06	3.09	3.13	3.19	3.14	2.85	2.54	2.20	1.84	1.43	1.01
120	3.29	3.32	3.33	3.32	3.29	3.26	3.23	3.20	3.17	3.14	3.16	2.96	2.67	2.39	2.10	1.78	1.40	1.01
130	4.77	4.70	4.57	4.42	4.25	4.06	3.88	3.72	3.57	3.42	3.18	2.80	2.52	2.25	1.99	1.71	1.37	1.01
140	6.64	6.49	6.26	5.95	5.60	5.21	4.84	4.49	4.17	3.74	3.16	2.71	2.36	2.11	1.86	1.62	1.33	1.01
150	7.61	7.53	7.38	7.08	6.69	6.23	5.74	5.25	4.44	3.68	3.05	2.56	2.20	1.94	1.74	1.53	1.27	1.01
160	8.06	8.05	7.87	7.61	7.27	6.84	5.90	4.96	4.11	3.37	2.78	2.32	1.99	1.76	1.60	1.43	1.22	1.01
170	7.79	7.76	7.71	7.19	6.44	5.63	4.83	4.08	3.40	2.79	2.32	1.97	1.73	1.56	1.45	1.32	1.16	1.01
180	6.13	5.70	5.26	4.81	4.31	3.78	3.28	2.80	2.40	2.01	1.73	1.54	1.43	1.34	1.28	1.20	1.09	1.01

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: