

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	2964.8 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	43.8V x 73.9H
	At 50% of Imax	15.3V x 45.5H
	At 90% of Imax	6.7V x 20.8H

Beam Flux	Total	1000.2 lumens per klm.
	To 10% of Imax	767.3 lumens per klm.
	To 50% of Imax	410.8 lumens per klm.
	To 90% of Imax	104.7 lumens per klm.

Upward LOR	2.2 %
Downward LOR	97.8 %

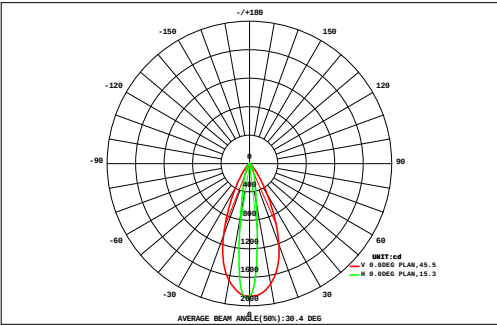
Luminaire Efficiency(Light Output Ratio)	100.0 %
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H_(b) Range:-90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:
Test Date:2024-09-29

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-609mm-TW-4000K-1545D-Rev1	TYPE:4000K	WEIGHT:
SPEC.:15x45 DEG	DIM.:609MM	SERIAL No.:IES002964
MFR.:	SUR.:1	Shielding Angle:



DATA OF LAMP		Eff:59.97lm/W	
MODEL		Imax(cd)	1885
NOMINAL POWER(W)	10.6	AVAILABILITY(%)	77.2
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	490.6
NOMINAL FLUX(lm)	635.7	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	635.7
TEST VOLTAGE(V)	220	q @50%(H,V)	46,15DEG

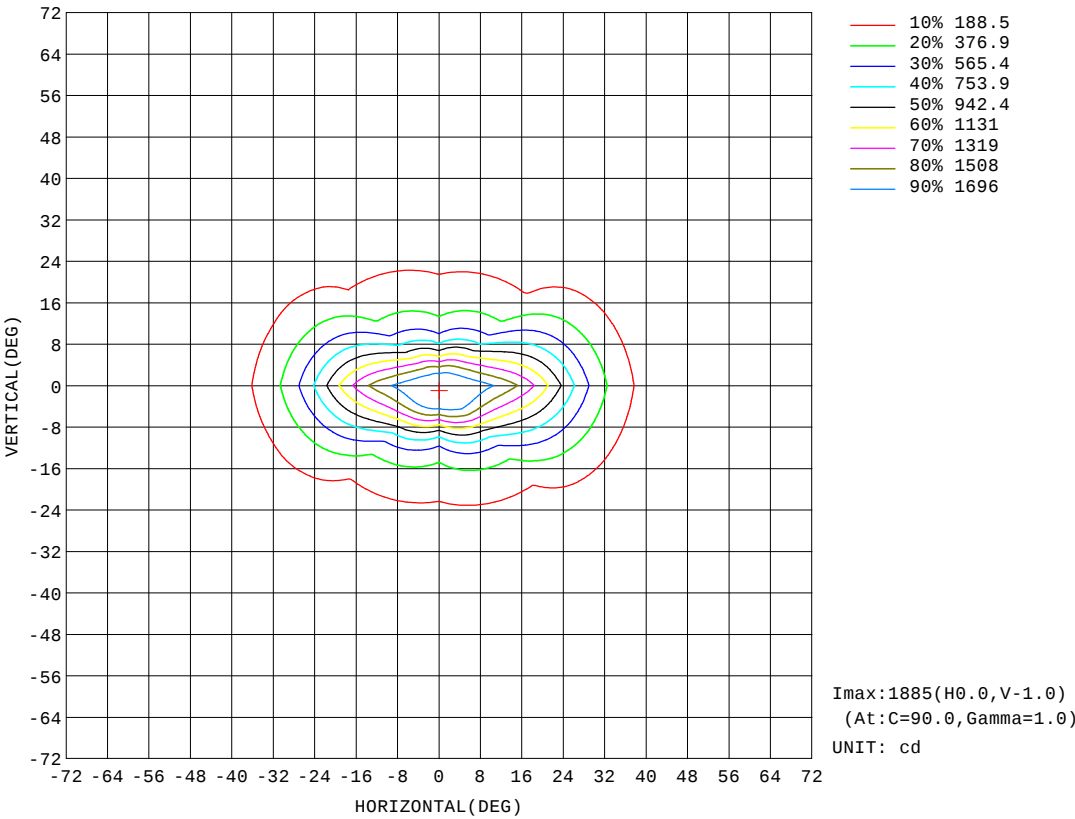
		AREA FLUX DIAGRAM																UNIT:lm			F t	F a
VERTICAL (DEG)	72	0.02	0.04	0.05	0.06	0.08	0.09	0.11	0.12	0.13	0.13	0.12	0.11	0.09	0.08	0.06	0.04	0.03	0.02	1.38	0.00	
	64	0.03	0.05	0.07	0.09	0.12	0.15	0.19	0.21	0.22	0.22	0.21	0.18	0.15	0.12	0.09	0.06	0.04	0.02	2.22	0.00	
	56	0.04	0.06	0.09	0.13	0.19	0.26	0.32	0.37	0.39	0.38	0.36	0.31	0.24	0.18	0.12	0.08	0.05	0.02	3.59	0.00	
	48	0.04	0.08	0.12	0.19	0.30	0.43	0.56	0.65	0.68	0.66	0.61	0.51	0.39	0.27	0.17	0.10	0.06	0.03	5.84	0.00	
	40	0.05	0.09	0.16	0.28	0.47	0.72	0.99	1.20	1.27	1.23	1.11	0.87	0.62	0.41	0.23	0.12	0.07	0.03	9.94	0.00	
	32	0.06	0.11	0.20	0.39	0.77	1.25	1.72	2.21	2.39	2.33	2.04	1.51	1.13	0.72	0.34	0.15	0.08	0.04	17.4	0.00	
	24	0.06	0.12	0.24	0.55	1.27	2.42	3.23	3.97	4.39	4.34	3.77	3.09	2.54	1.33	0.53	0.19	0.08	0.04	32.2	16.0	
		0.07	0.14	0.28	0.75	2.03	4.69	7.84	8.73	9.78	9.94	8.88	8.51	5.40	2.33	0.78	0.23	0.09	0.04	70.5	64.3	
		0.07	0.14	0.31	0.93	2.85	7.67	15.6	22.2	26.2	26.9	23.2	17.4	9.23	3.46	1.02	0.26	0.09	0.04	158	152	
		0.07	0.14	0.30	0.91	2.81	7.63	15.7	23.4	30.4	31.6	25.1	17.8	9.30	3.47	1.02	0.26	0.09	0.04	170	165	
		0.06	0.13	0.26	0.71	1.93	4.53	7.84	9.82	12.2	13.1	11.1	9.12	5.56	2.37	0.78	0.22	0.08	0.04	79.9	73.6	
	-24	0.06	0.11	0.22	0.49	1.14	2.18	2.95	4.01	4.78	5.01	4.49	3.50	2.69	1.37	0.53	0.18	0.08	0.04	33.8	19.5	
-32	0.05	0.09	0.17	0.32	0.62	0.99	1.40	1.96	2.26	2.35	2.18	1.67	1.22	0.73	0.33	0.14	0.06	0.03	16.6	0.00		
-40	0.04	0.08	0.13	0.21	0.34	0.52	0.75	0.97	1.08	1.12	1.08	0.88	0.63	0.39	0.20	0.10	0.05	0.03	8.61	0.00		
-48	0.04	0.06	0.09	0.13	0.20	0.29	0.40	0.48	0.51	0.53	0.52	0.45	0.34	0.22	0.13	0.07	0.04	0.02	4.53	0.00		
-56	0.03	0.04	0.06	0.08	0.11	0.16	0.21	0.25	0.27	0.28	0.27	0.23	0.18	0.12	0.08	0.05	0.03	0.02	2.49	0.00		
-64	0.02	0.03	0.04	0.05	0.06	0.09	0.11	0.13	0.14	0.15	0.14	0.12	0.09	0.06	0.04	0.03	0.02	0.01	1.34	0.00		
-72	0.02	0.02	0.03	0.03	0.03	0.04	0.05	0.06	0.07	0.07	0.06	0.05	0.04	0.03	0.02	0.02	0.01	0.01	0.67	0.00		
	-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL(DEG)				16	24	32	40	48	56	64	72		
F t	0.82	1.53	2.82	6.30	15.3	34.1	60.0	80.8	97.1	100	85.2	66.3	39.8	17.7	6.48	2.32	1.06	0.53	619	---		
F a	0.00	0.00	0.00	0.00	3.33	24.4	49.5	69.8	86.3	89.5	74.3	56.3	30.9	6.31	0.00	0.00	0.00	0.00	---	491		

one-half-peak spread: U:7.7,D:7.8 , L:21.9,R:21.9 Beam Type: Type 5 x 3 (H x V)

H_(b) Range:-90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:
Test Date:2024-09-29
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-609mm-TW-4000K-1545D-Rev1	TYPE:4000K	WEIGHT:
SPEC.:15x45 DEG	DIM.:609MM	SERIAL No.:IES002964
MFR.:	SUR.:1	Shielding Angle:

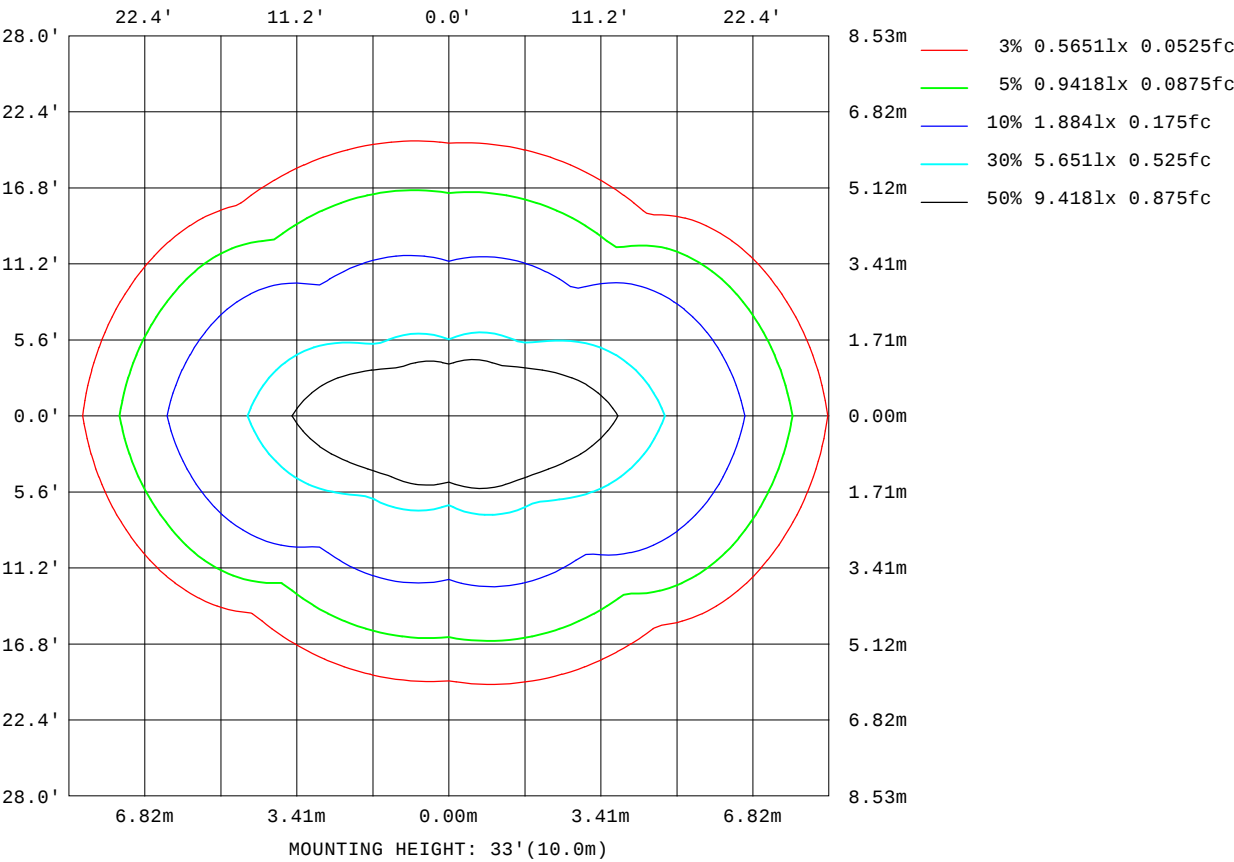


H(b) Range:-90 - 90DEG
H(b) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:
Test Date:2024-09-29

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

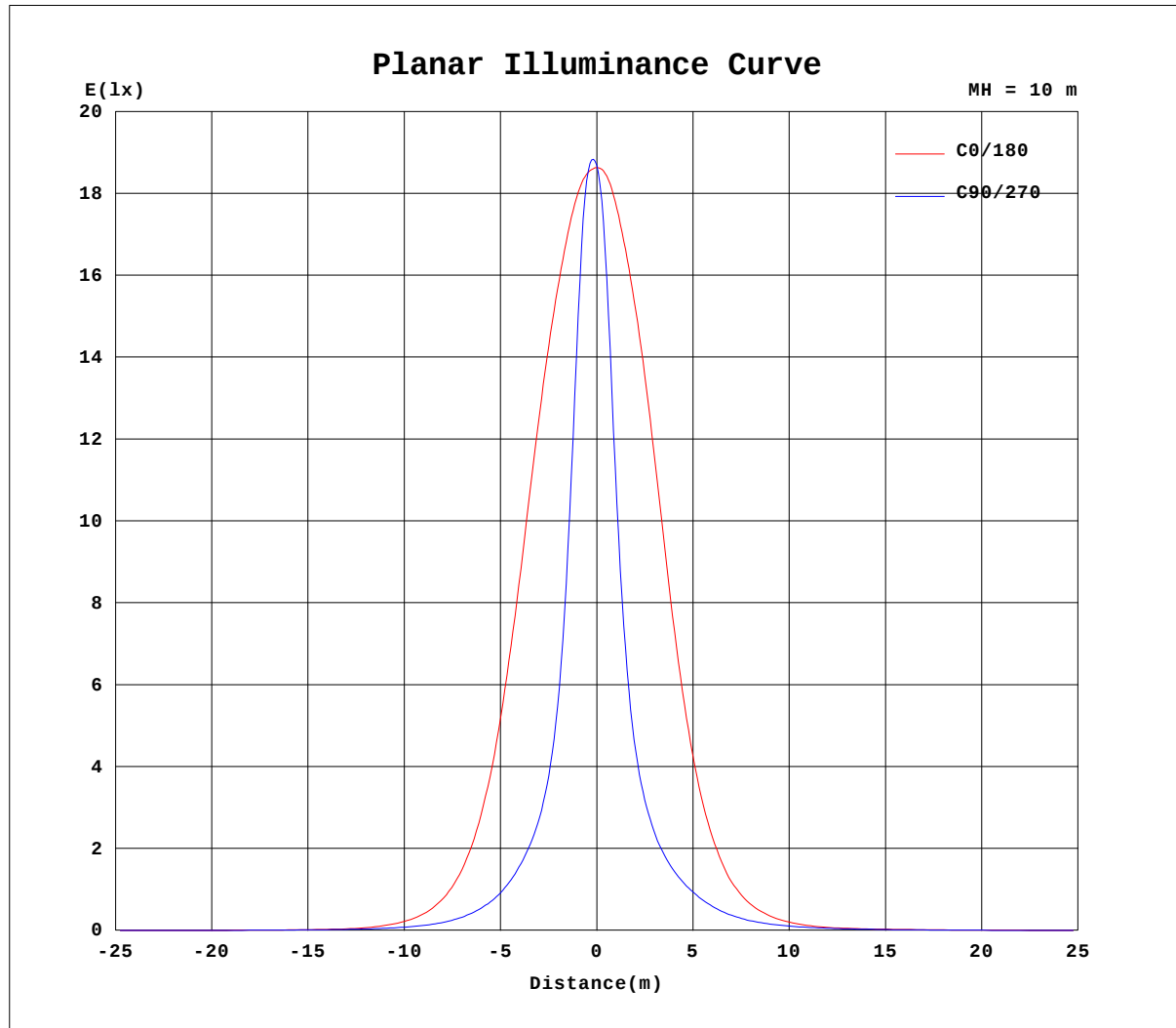
NAME:Blazeline-609mm-TW-4000K-1545D-Rev1	TYPE:4000K	WEIGHT:
SPEC.:15x45 DEG	DIM.:609MM	SERIAL No.:IES002964
MFR.:	SUR.:1	Shielding Angle:



H_(b) Range: -90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: LOW
Temperature: 25.3DEG
Operators:
Test Date: 2024-09-29

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

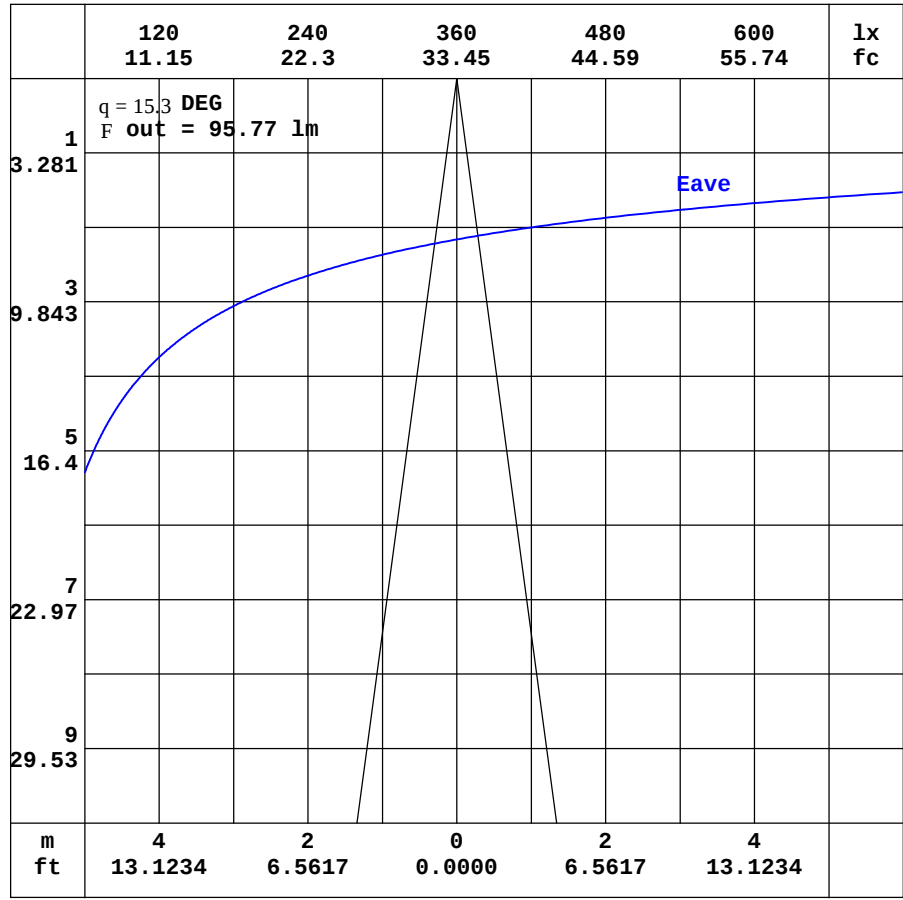


H_(b) Range: -90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: LOW
Temperature: 25.3DEG
Operators:
Test Date: 2024-09-29

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-609mm-TW-4000K-1545D-Rev1	TYPE:4000K	WEIGHT:
SPEC.:15x45 DEG	DIM.:609MM	SERIAL No.:IES002964
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:2024-09-29

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-609mm-TW-4000K-1545D-Rev1	TYPE:4000K	WEIGHT:
SPEC.:15x45 DEG	DIM.:609MM	SERIAL No.:IES002964
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	2.30	2.10	2.01	2.02	2.11	2.32	2.64	3.02	3.44	3.82	4.16	4.43	4.60	4.61	4.56	4.45	4.32	4.22	4.14
-170	2.30	2.08	1.97	1.95	2.01	2.15	2.38	2.65	2.94	3.21	3.45	3.66	3.83	3.90	3.98	3.98	3.89	4.07	4.38
-160	2.30	2.07	1.93	1.89	1.89	1.96	2.09	2.24	2.39	2.52	2.65	2.76	2.87	2.97	2.98	3.26	3.51	3.67	3.75
-150	2.30	2.06	1.89	1.83	1.79	1.78	1.81	1.85	1.88	1.88	1.86	1.84	1.80	1.86	2.11	2.33	2.49	2.57	2.59
-140	2.30	2.05	1.87	1.78	1.70	1.64	1.59	1.55	1.49	1.39	1.25	1.09	1.05	1.15	1.25	1.34	1.41	1.43	1.40
-130	2.30	2.06	1.88	1.73	1.64	1.54	1.46	1.35	1.24	1.10	0.93	0.82	0.80	0.78	0.77	0.75	0.73	0.70	0.66
-120	2.30	2.07	1.87	1.72	1.59	1.48	1.37	1.26	1.14	0.99	0.85	0.84	0.82	0.80	0.77	0.73	0.70	0.67	0.64
-110	2.30	2.08	1.89	1.72	1.59	1.44	1.33	1.21	1.09	0.97	0.93	0.93	0.94	0.95	0.95	0.96	0.97	0.98	0.99
-100	2.30	2.10	1.92	1.75	1.60	1.45	1.31	1.18	1.06	0.94	0.93	0.93	0.94	0.94	0.96	0.97	0.97	0.98	0.99
-90	2.30	2.13	1.97	1.80	1.63	1.46	1.29	1.12	0.95	0.78	0.78	0.77	0.77	0.76	0.76	0.75	0.75	0.74	0.73
-80	2.30	2.17	2.03	1.89	1.74	1.60	1.44	1.26	1.04	0.78	0.75	0.75	0.77	0.78	0.79	0.80	0.80	0.80	0.79
-70	2.30	2.22	2.14	2.14	2.15	2.13	2.08	1.99	1.79	1.52	1.51	1.71	1.91	2.11	2.29	2.45	2.58	2.67	2.71
-60	2.30	2.28	2.37	2.59	2.89	3.17	3.28	3.35	3.37	3.31	3.31	3.96	4.65	5.34	5.99	6.53	6.97	7.27	7.41
-50	2.30	2.34	2.68	3.23	3.87	4.37	4.91	5.42	5.89	6.43	7.10	8.36	10.1	11.9	13.4	14.7	15.6	16.0	15.9
-40	2.30	2.42	3.02	4.03	4.87	5.88	6.93	8.01	9.47	11.4	13.8	16.7	20.3	24.8	29.2	33.1	35.9	37.3	37.0
-30	2.30	2.52	3.40	4.68	5.97	7.49	9.08	11.2	14.3	18.6	25.7	35.3	44.4	51.7	64.7	78.0	88.9	95.3	95.1
-20	2.30	2.62	3.74	5.30	7.04	9.03	11.3	14.7	19.9	30.3	49.2	76.4	110	143	149	180	221	243	231
-10	2.30	2.70	4.05	5.82	7.93	10.3	13.3	17.9	26.1	46.3	84.0	148	252	386	526	618	643	805	742
0	2.30	2.75	4.24	6.18	8.58	11.3	14.7	19.9	30.5	58.5	113	217	406	697	1073	1426	1666	1816	1863
10	2.30	2.74	4.14	5.97	8.19	10.7	13.9	18.8	27.7	48.8	87.8	154	259	393	525	586	529	629	565
20	2.30	2.69	3.92	5.60	7.52	9.76	12.3	16.4	22.6	34.4	55.3	85.5	123	159	167	188	215	225	209
30	2.30	2.63	3.65	5.10	6.63	8.48	10.5	13.3	17.4	23.2	32.4	44.7	57.4	68.3	81.5	93.3	102	105	102
40	2.30	2.56	3.33	4.55	5.66	7.01	8.51	10.2	12.4	15.6	19.6	24.6	29.9	35.2	40.1	43.9	46.4	46.9	45.3
50	2.30	2.49	3.03	3.82	4.74	5.57	6.52	7.54	8.65	9.92	11.5	13.7	16.0	18.2	20.1	21.5	22.4	22.7	22.4
60	2.30	2.44	2.74	3.21	3.79	4.37	4.84	5.32	5.80	6.27	6.79	7.66	8.50	9.31	10.1	10.7	11.1	11.4	11.5
70	2.30	2.39	2.52	2.75	3.02	3.29	3.54	3.77	3.91	4.00	4.20	4.46	4.72	4.95	5.16	5.33	5.44	5.51	5.51
80	2.30	2.35	2.40	2.46	2.53	2.63	2.72	2.80	2.85	2.88	2.92	2.96	2.99	3.02	3.05	3.07	3.08	3.08	3.07
90	2.30	2.31	2.31	2.32	2.32	2.33	2.34	2.34	2.35	2.35	2.34	2.33	2.31	2.30	2.29	2.28	2.26	2.25	2.24
100	2.30	2.27	2.23	2.20	2.17	2.14	2.11	2.08	2.05	2.01	1.98	1.95	1.93	1.91	1.89	1.88	1.86	1.85	1.84
110	2.30	2.23	2.17	2.10	2.05	1.99	1.95	1.92	1.88	1.85	1.83	1.83	1.82	1.82	1.81	1.81	1.81	1.80	1.79
120	2.30	2.20	2.10	2.03	1.98	1.94	1.91	1.90	1.89	1.90	1.94	2.00	2.04	2.07	2.09	2.09	2.08	2.05	2.00
130	2.30	2.17	2.07	1.99	1.96	1.94	1.95	2.01	2.11	2.24	2.40	2.56	2.70	2.83	2.98	3.10	3.22	3.28	3.30
140	2.30	2.15	2.03	1.98	1.97	1.99	2.09	2.25	2.47	2.73	3.01	3.31	3.61	3.91	4.20	4.44	4.62	4.75	4.83
150	2.30	2.13	2.01	1.99	2.00	2.09	2.27	2.53	2.86	3.21	3.59	3.97	4.34	4.67	4.93	5.10	5.19	5.27	5.32
160	2.30	2.12	2.01	2.00	2.04	2.19	2.45	2.78	3.18	3.59	4.00	4.38	4.73	4.98	5.18	5.28	5.36	5.44	5.54
170	2.30	2.10	2.01	2.01	2.08	2.28	2.58	2.95	3.37	3.79	4.17	4.51	4.75	4.89	4.97	4.96	4.87	4.89	5.19
180	2.30	2.10	2.01	2.02	2.11	2.32	2.64	3.02	3.44	3.82	4.16	4.43	4.60	4.61	4.56	4.45	4.32	4.22	4.11

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

Test Speed: LOW

Temperature:25.3DEG

Operators:

Test Date:2024-09-29

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-609mm-TW-4000K-1545D-Rev1	TYPE:4000K	WEIGHT:
SPEC.:15x45 DEG	DIM.:609MM	SERIAL No.:IES002964
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	3.78	3.50	3.25	3.00	2.68	2.33	2.00	1.68	1.42	1.21	1.06	0.96	0.92	0.88	0.87	0.84	0.77	0.69
-170	4.23	4.03	3.60	3.22	2.79	2.36	1.97	1.63	1.36	1.16	1.03	0.94	0.92	0.88	0.87	0.84	0.76	0.69
-160	3.66	3.51	3.27	2.93	2.49	2.09	1.73	1.44	1.22	1.07	0.98	0.92	0.91	0.89	0.87	0.83	0.76	0.69
-150	2.57	2.48	2.32	2.10	1.87	1.61	1.38	1.19	1.06	0.98	0.93	0.91	0.90	0.89	0.87	0.83	0.75	0.69
-140	1.44	1.42	1.36	1.29	1.20	1.12	1.05	0.98	0.94	0.92	0.90	0.90	0.90	0.89	0.86	0.81	0.74	0.69
-130	0.72	0.76	0.79	0.82	0.84	0.87	0.89	0.90	0.89	0.90	0.90	0.90	0.90	0.88	0.85	0.80	0.73	0.69
-120	0.68	0.72	0.76	0.80	0.84	0.87	0.88	0.89	0.92	0.91	0.91	0.90	0.89	0.87	0.83	0.78	0.72	0.69
-110	0.98	0.97	0.97	0.96	0.95	0.95	0.94	0.93	0.93	0.92	0.91	0.89	0.87	0.83	0.80	0.75	0.71	0.69
-100	0.98	0.97	0.97	0.96	0.95	0.94	0.93	0.92	0.90	0.88	0.85	0.83	0.79	0.77	0.74	0.72	0.70	0.69
-90	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.72	0.72	0.71	0.71	0.71	0.70	0.70	0.69
-80	0.80	0.80	0.79	0.78	0.77	0.76	0.74	0.73	0.72	0.79	0.82	0.83	0.81	0.78	0.74	0.70	0.70	0.69
-70	2.68	2.60	2.48	2.32	2.15	1.95	1.74	1.54	1.42	1.43	1.41	1.38	1.26	1.10	0.96	0.81	0.70	0.69
-60	7.38	7.16	6.78	6.22	5.56	4.85	4.13	3.46	3.09	2.79	2.50	2.21	1.97	1.72	1.30	0.99	0.74	0.69
-50	16.5	16.5	15.9	14.8	13.3	11.4	9.45	7.49	5.90	4.84	4.10	3.45	2.82	2.31	1.85	1.22	0.80	0.69
-40	39.1	39.1	37.4	33.9	29.5	24.4	19.4	14.6	10.8	7.92	5.98	4.83	3.89	2.96	2.27	1.47	0.87	0.69
-30	100	97.7	89.3	77.0	63.3	54.0	41.6	28.4	18.1	12.0	8.41	6.17	4.91	3.70	2.67	1.80	0.94	0.69
-20	257	246	205	178	175	136	92.5	56.3	31.8	17.3	10.9	7.54	5.73	4.37	3.02	2.05	1.00	0.69
-10	883	741	692	610	466	311	182	97.7	50.1	23.8	12.9	8.63	6.33	4.86	3.31	2.21	1.04	0.69
0	1836	1716	1516	1210	837	505	271	135	63.2	27.8	13.8	9.11	6.69	5.17	3.50	2.31	1.06	0.69
10	647	541	614	578	454	305	180	96.8	50.0	24.2	13.4	9.07	6.68	5.11	3.47	2.30	1.08	0.69
20	221	206	174	155	162	130	89.8	55.8	32.4	18.3	11.9	8.42	6.41	4.84	3.32	2.22	1.07	0.69
30	102	95.4	84.3	71.3	58.1	51.0	41.1	29.3	19.6	13.6	9.89	7.43	5.85	4.36	3.09	2.05	1.04	0.69
40	45.3	43.4	40.0	35.9	30.9	26.0	21.5	17.0	13.1	10.1	7.88	6.32	5.00	3.75	2.79	1.78	1.00	0.69
50	22.2	21.5	20.3	18.8	17.0	14.9	12.8	10.8	8.87	7.34	6.13	5.04	4.01	3.17	2.44	1.57	0.95	0.69
60	11.3	11.0	10.5	9.89	9.14	8.35	7.54	6.76	5.95	5.19	4.45	3.77	3.17	2.61	1.92	1.36	0.90	0.69
70	5.51	5.45	5.33	5.17	4.96	4.73	4.48	4.22	3.91	3.55	3.18	2.83	2.42	1.97	1.57	1.18	0.87	0.69
80	3.07	3.07	3.06	3.04	3.00	2.97	2.92	2.88	2.81	2.59	2.35	2.10	1.83	1.56	1.29	1.06	0.87	0.69
90	2.24	2.24	2.24	2.25	2.25	2.25	2.25	2.25	2.25	2.08	1.91	1.73	1.56	1.39	1.21	1.04	0.87	0.69
100	1.85	1.86	1.87	1.88	1.90	1.91	1.93	1.95	1.95	1.83	1.72	1.60	1.46	1.33	1.17	1.02	0.86	0.69
110	1.80	1.81	1.82	1.83	1.84	1.84	1.85	1.86	1.83	1.72	1.62	1.51	1.40	1.28	1.16	1.02	0.86	0.69
120	2.04	2.07	2.08	2.07	2.06	2.03	1.99	1.95	1.81	1.67	1.56	1.46	1.35	1.25	1.13	1.01	0.84	0.69
130	3.28	3.20	3.08	2.94	2.79	2.65	2.51	2.27	1.96	1.73	1.54	1.40	1.30	1.21	1.11	0.99	0.84	0.69
140	4.75	4.62	4.44	4.18	3.89	3.57	3.15	2.62	2.18	1.83	1.57	1.38	1.25	1.16	1.07	0.96	0.83	0.69
150	5.31	5.24	5.13	4.95	4.68	4.10	3.44	2.84	2.32	1.89	1.56	1.34	1.20	1.10	1.03	0.94	0.82	0.69
160	5.55	5.56	5.53	5.32	4.62	3.97	3.34	2.75	2.24	1.81	1.49	1.26	1.13	1.04	0.98	0.91	0.80	0.69
170	5.19	5.36	4.91	4.39	3.88	3.34	2.82	2.35	1.92	1.58	1.31	1.13	1.03	0.96	0.92	0.88	0.79	0.69
180	3.78	3.50	3.25	3.00	2.68	2.33	2.00	1.68	1.42	1.21	1.06	0.96	0.92	0.88	0.87	0.84	0.77	0.69

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

Test Speed: LOW

Temperature:25.3DEG

Operators:

Test Date:2024-09-29

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: