

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity (Luminaire orientation as tested.)	2497.5 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
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Beam Spread	At 10% of Imax	53.6V x 72.5H
	At 50% of Imax	22.0V x 47.2H
	At 90% of Imax	7.7V x 21.8H

Beam Flux	Total	1000.1 lumens per klm.
	To 10% of Imax	857.5 lumens per klm.
	To 50% of Imax	449.6 lumens per klm.
	To 90% of Imax	91.6 lumens per klm.

Upward LOR	2.1 %
Downward LOR	97.9 %

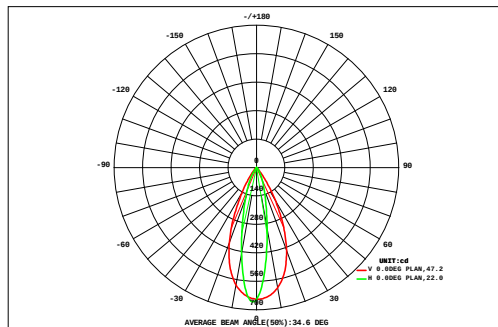
Luminaire Efficiency(Light Output Ratio)	100.0 %
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H_(b) Range:-90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:Fan
Test Date:2023-03-11

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:BlazeMini Recessed-500mm-RGBW 3000K-2045D-Rev1	TYPE:RGBW-3000K	WEIGHT:
SPEC.:20x45 DEG	DIM.:500mm	SERIAL No.:IES000898-W
MFR.:	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:38.65lm/W	
MODEL		Imax(cd)	660.3
NOMINAL POWER(W)	6.84	AVAILABILITY(%)	85.7
RATED VOLTAGE(V)	24	Avai. FLUX(lm)	226.7
NOMINAL FLUX(lm)	264.4	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	264.4
TEST VOLTAGE(V)	24	q @50%(H,V)	47,22DEG

72 64 56 48 40 32 24 -24 -32 -40 -48 -56 -64 -72 -72	AREA FLUX DIAGRAM																UNIT:lm				F t	F a
	0.01	0.01	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.01	0.01	0.37	0.00		
	0.01	0.01	0.02	0.02	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.02	0.02	0.01	0.01	0.48	0.00		
	0.01	0.01	0.02	0.03	0.04	0.04	0.05	0.06	0.06	0.06	0.06	0.05	0.05	0.04	0.03	0.02	0.01	0.01	0.67	0.00		
	0.01	0.02	0.03	0.04	0.05	0.08	0.12	0.15	0.15	0.15	0.15	0.12	0.08	0.05	0.04	0.03	0.01	0.01	1.29	0.00		
	0.01	0.02	0.03	0.05	0.11	0.21	0.32	0.41	0.42	0.43	0.42	0.33	0.20	0.09	0.05	0.03	0.01	0.01	3.16	0.00		
	0.01	0.02	0.04	0.08	0.23	0.49	0.76	0.94	1.02	1.03	0.97	0.80	0.49	0.20	0.07	0.03	0.01	0.00	7.17	0.84		
	0.01	0.02	0.04	0.13	0.43	0.97	1.63	2.02	2.22	2.26	2.12	1.76	1.04	0.40	0.09	0.02	0.01	0.00	15.2	12.5		
	0.01	0.03	0.05	0.20	0.70	1.78	3.25	4.51	4.99	5.09	4.79	3.57	2.04	0.72	0.13	0.02	0.01	0.00	31.9	30.2		
	0.01	0.03	0.05	0.25	0.97	2.86	5.90	8.60	10.1	10.3	9.03	6.48	3.42	1.08	0.16	0.01	0.00	0.00	59.3	58.0		
	0.01	0.03	0.05	0.25	1.00	2.98	6.28	9.51	11.5	11.6	9.91	6.91	3.57	1.11	0.16	0.01	0.00	0.00	64.9	63.6		
	0.01	0.02	0.04	0.20	0.76	2.04	3.98	5.84	6.84	6.96	6.20	4.44	2.39	0.81	0.13	0.01	0.00	0.00	40.7	39.1		
	0.01	0.02	0.03	0.13	0.48	1.17	2.06	2.71	3.19	3.26	2.91	2.31	1.33	0.47	0.08	0.01	0.00	0.00	20.2	18.2		
	0.01	0.01	0.02	0.06	0.24	0.55	0.93	1.22	1.41	1.44	1.30	1.02	0.58	0.20	0.03	0.00	0.00	0.00	9.04	4.11		
	0.01	0.01	0.01	0.02	0.08	0.18	0.31	0.44	0.47	0.48	0.46	0.32	0.16	0.05	0.01	0.00	0.00	0.00	3.01	0.00		
	0.01	0.01	0.00	0.00	0.01	0.04	0.06	0.08	0.08	0.08	0.08	0.05	0.03	0.01	0.00	0.00	0.00	0.00	0.53	0.00		
	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00		
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00		
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00		
	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL (DEG)				16	24	32	40	48	56	64	72			
F t	0.17	0.27	0.45	1.48	5.16	13.5	25.7	36.6	42.6	43.3	38.5	28.3	15.4	5.28	1.03	0.23	0.11	0.05	258	---		
F a	0.00	0.00	0.00	0.00	1.40	10.6	23.1	33.9	40.1	40.9	35.9	25.8	12.9	1.93	0.00	0.00	0.00	0.00	---	227		

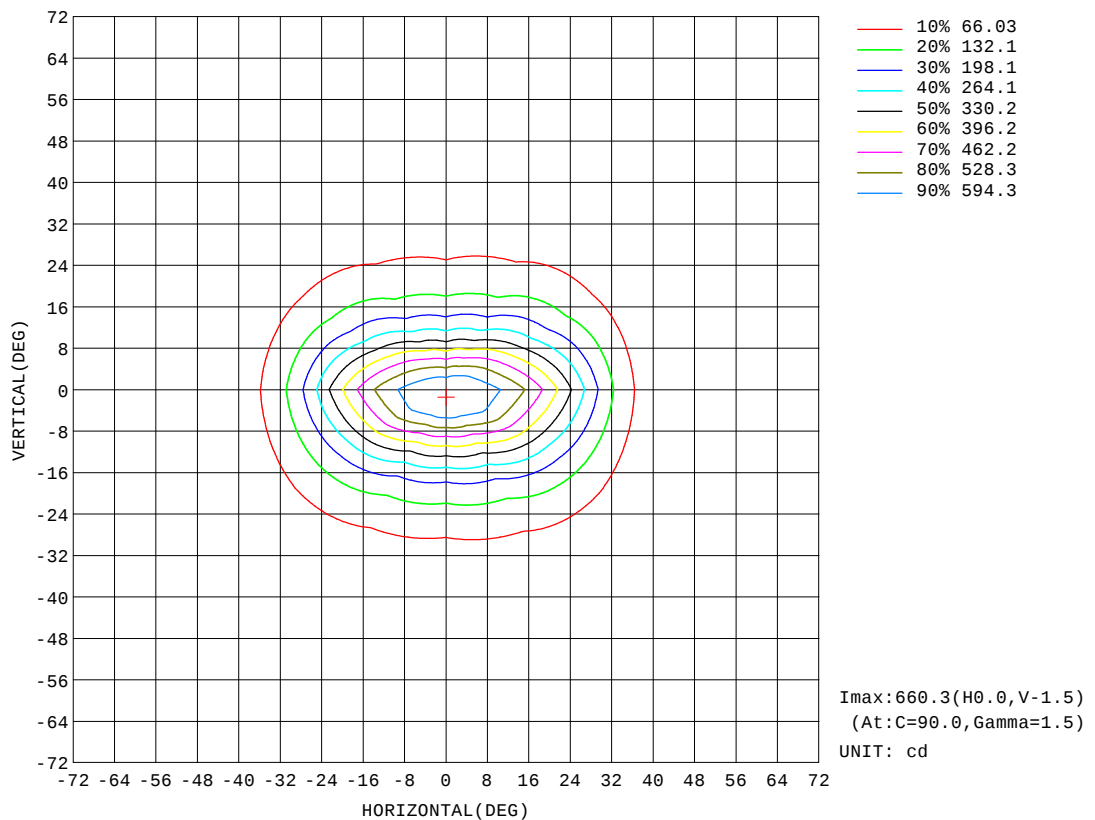
one-half-peak spread: U:11.4,D:10.8 , L:23.4, ~~NEZA~~ Beam Type: Type 5 x 4 (H x V)

H_(b) Range: -90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: LOW
Temperature: 25.3DEG
Operators: Fan
Test Date: 2023-03-11

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:BlazeMini Recessed-500mm-RGBW 3000K-2045D-Rev1	TYPE:RGBW-3000K	WEIGHT:
SPEC.:20x45 DEG	DIM.:500mm	SERIAL No.:IES000898-W
MFR.:	SUR.:	Shielding Angle:

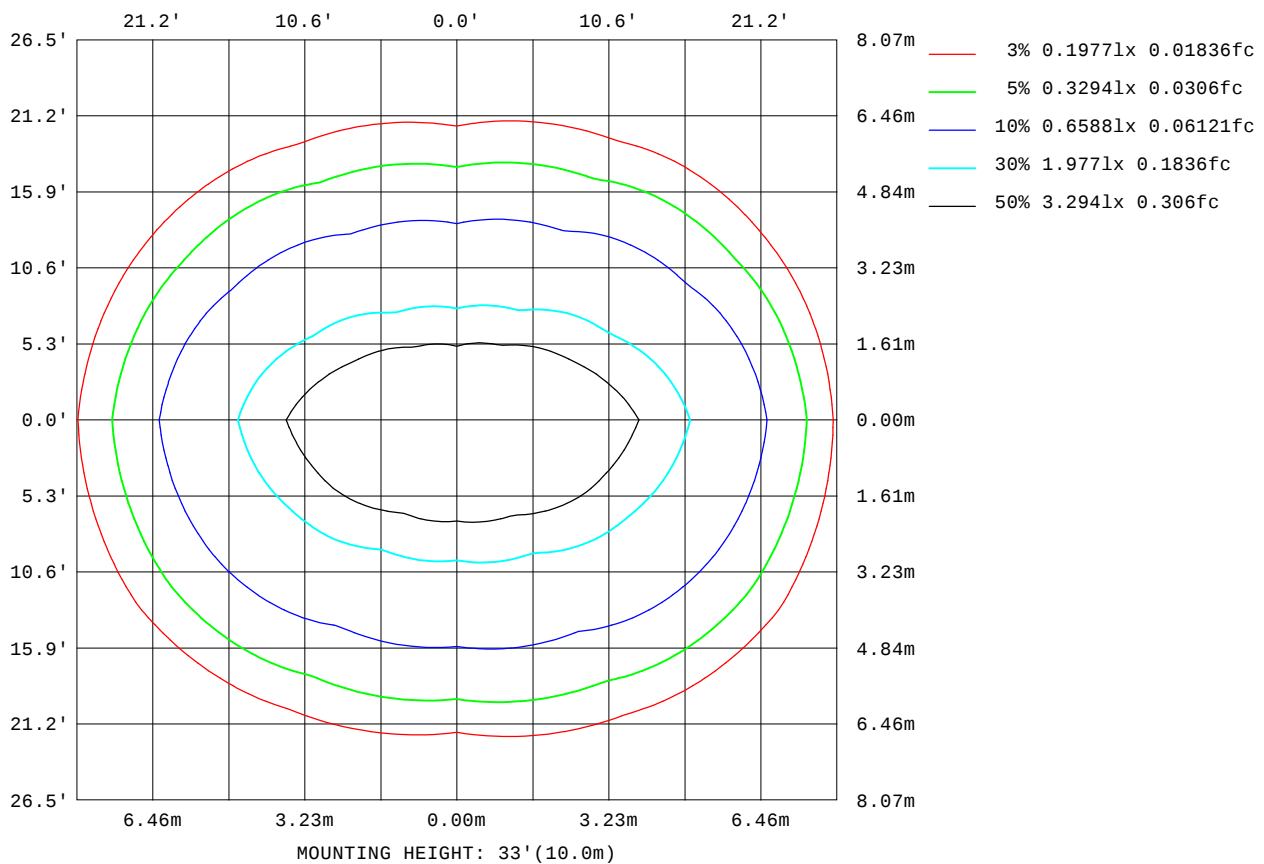


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Test Speed: LOW
Temperature:25.3DEG
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Test Date:2023-03-11

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Humidity:65.0%
Test Distance:8.630m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

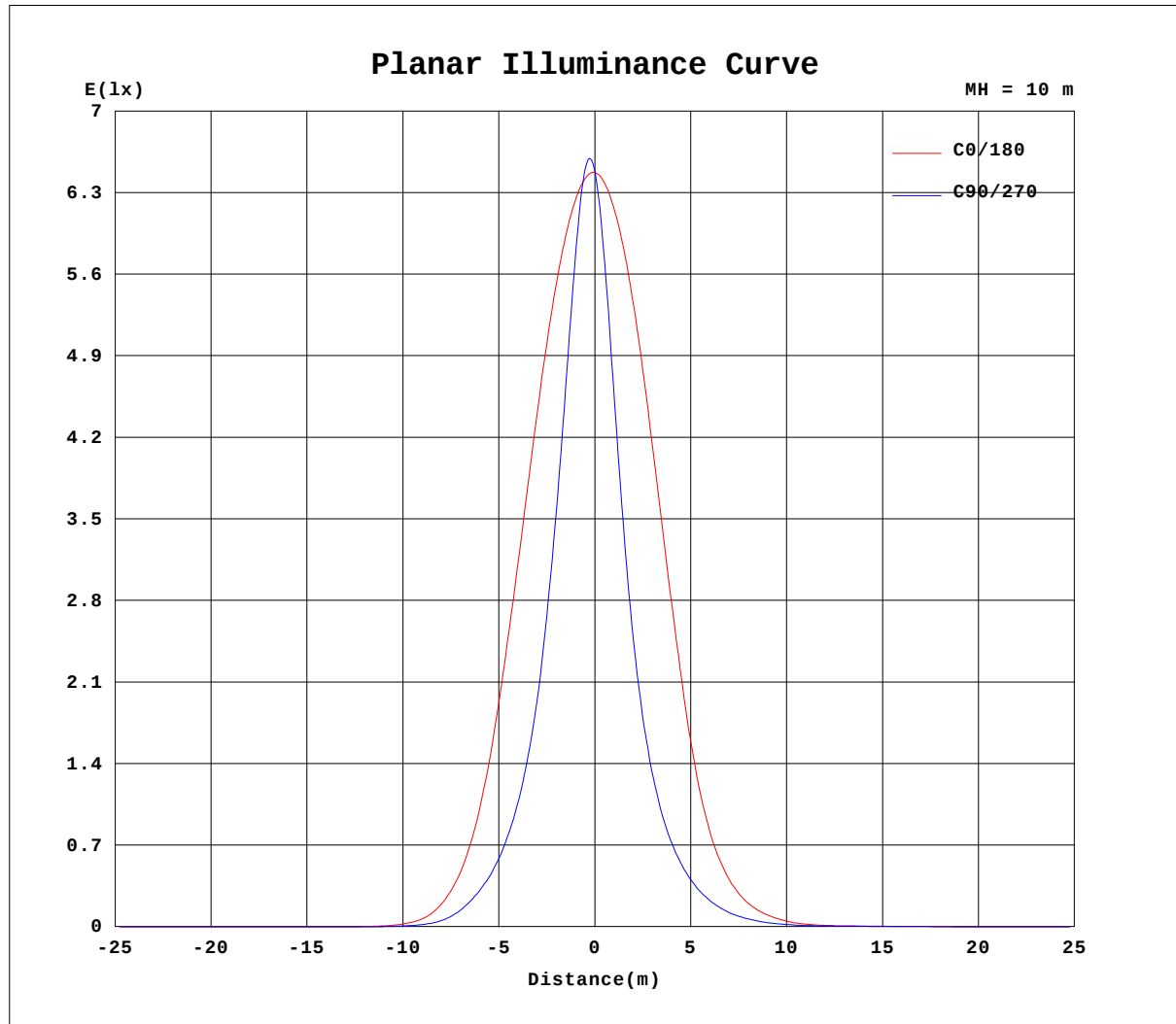
NAME:BlazeMini Recessed-500mm-RGBW 3000K-2045D-Rev1	TYPE:RGBW-3000K	WEIGHT:
SPEC.:20x45 DEG	DIM.:500mm	SERIAL No.:IES000898-W
MFR.:	SUR.:	Shielding Angle:



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Test Speed: LOW
Temperature: 25.3DEG
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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:

Planar Illuminance Curve



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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:

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:BlazeMini Recessed-500mm-RGBW 3000K-2045D-Rev1	TYPE:RGBW-3000K	WEIGHT:
SPEC.:20x45 DEG	DIM.:500mm	SERIAL No.:IES000898-W
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	0.82	0.73	0.72	0.73	0.78	0.87	1.03	1.21	1.40	1.60	1.77	1.92	2.04	2.08	2.08	2.02	1.97	1.92	1.88
-170	0.82	0.72	0.69	0.69	0.72	0.78	0.88	0.99	1.11	1.21	1.30	1.38	1.44	1.47	1.46	1.46	1.58	1.69	1.83
-160	0.82	0.71	0.67	0.65	0.65	0.68	0.72	0.76	0.80	0.81	0.82	0.81	0.82	0.97	1.12	1.26	1.38	1.48	1.55
-150	0.82	0.71	0.65	0.61	0.59	0.59	0.58	0.57	0.53	0.47	0.42	0.48	0.56	0.65	0.74	0.84	0.94	1.01	1.05
-140	0.82	0.71	0.63	0.58	0.54	0.51	0.47	0.42	0.35	0.32	0.32	0.33	0.33	0.37	0.39	0.45	0.49	0.52	0.54
-130	0.82	0.70	0.62	0.56	0.50	0.45	0.40	0.34	0.31	0.30	0.29	0.28	0.26	0.24	0.23	0.23	0.24	0.24	0.24
-120	0.82	0.70	0.61	0.54	0.48	0.42	0.35	0.31	0.31	0.31	0.31	0.30	0.29	0.28	0.26	0.24	0.23	0.21	0.20
-110	0.82	0.71	0.62	0.53	0.46	0.39	0.33	0.31	0.31	0.32	0.32	0.33	0.33	0.33	0.33	0.32	0.32	0.31	0.30
-100	0.82	0.71	0.62	0.54	0.46	0.38	0.31	0.30	0.30	0.30	0.31	0.31	0.31	0.31	0.32	0.33	0.34	0.34	0.35
-90	0.82	0.72	0.63	0.54	0.45	0.36	0.27	0.26	0.26	0.25	0.24	0.23	0.23	0.23	0.23	0.24	0.24	0.24	0.25
-80	0.82	0.74	0.66	0.57	0.47	0.35	0.23	0.20	0.19	0.17	0.15	0.13	0.12	0.11	0.10	0.09	0.09	0.09	0.09
-70	0.82	0.76	0.71	0.62	0.51	0.38	0.22	0.15	0.12	0.10	0.08	0.07	0.05	0.04	0.04	0.04	0.03	0.03	0.03
-60	0.82	0.79	0.76	0.68	0.58	0.45	0.27	0.12	0.09	0.08	0.06	0.06	0.06	0.05	0.06	0.05	0.05	0.04	0.04
-50	0.82	0.83	0.81	0.76	0.69	0.58	0.42	0.20	0.08	0.07	0.08	0.11	0.18	0.27	0.43	0.59	0.63	0.55	0.36
-40	0.82	0.86	0.88	0.87	0.84	0.79	0.68	0.51	0.23	0.17	0.85	2.34	4.00	5.53	6.86	8.92	10.0	9.81	8.13
-30	0.82	0.89	0.95	1.00	1.05	1.08	1.10	1.06	1.06	2.49	6.58	12.5	20.7	30.4	39.9	46.7	53.5	57.2	56.0
-20	0.82	0.93	1.02	1.14	1.28	1.45	1.64	1.85	2.83	6.77	16.7	33.2	56.2	83.9	111	131	144	160	160
-10	0.82	0.96	1.09	1.27	1.51	1.84	2.25	2.80	4.46	11.5	28.3	57.5	105	172	248	326	381	407	426
0	0.82	0.98	1.15	1.39	1.73	2.20	2.84	3.62	5.12	14.0	34.6	74.6	147	263	394	506	586	631	647
10	0.82	0.98	1.15	1.38	1.70	2.13	2.71	3.41	4.93	11.7	27.1	53.8	95.5	151	208	257	297	307	303
20	0.82	0.97	1.13	1.34	1.62	1.99	2.47	3.04	4.02	7.58	16.3	29.6	47.3	68.0	87.8	101	105	112	108
30	0.82	0.96	1.10	1.28	1.52	1.81	2.17	2.60	3.09	4.34	7.95	13.2	19.8	27.1	33.3	37.1	41.1	42.2	39.9
40	0.82	0.94	1.06	1.21	1.39	1.61	1.86	2.16	2.47	2.81	3.34	4.63	6.61	8.81	10.8	12.3	13.1	13.0	12.0
50	0.82	0.92	1.02	1.13	1.27	1.41	1.58	1.76	1.94	2.13	2.33	2.53	2.71	2.91	3.19	3.48	3.65	3.61	3.41
60	0.82	0.89	0.98	1.06	1.15	1.24	1.35	1.44	1.53	1.62	1.70	1.78	1.85	1.92	2.01	2.08	2.13	2.15	2.15
70	0.82	0.87	0.93	0.99	1.04	1.09	1.15	1.19	1.22	1.26	1.28	1.30	1.31	1.34	1.36	1.38	1.39	1.40	1.39
80	0.82	0.85	0.88	0.91	0.94	0.97	0.99	1.00	1.00	1.01	1.01	1.01	1.00	1.02	1.03	1.04	1.04	1.04	1.05
90	0.82	0.82	0.83	0.84	0.85	0.86	0.87	0.85	0.84	0.83	0.82	0.81	0.79	0.79	0.80	0.80	0.80	0.80	0.80
100	0.82	0.81	0.80	0.79	0.78	0.77	0.77	0.75	0.72	0.70	0.68	0.67	0.65	0.65	0.65	0.66	0.66	0.66	0.66
110	0.82	0.79	0.77	0.75	0.73	0.73	0.71	0.70	0.69	0.68	0.67	0.66	0.66	0.66	0.66	0.66	0.65	0.65	0.64
120	0.82	0.78	0.74	0.72	0.71	0.71	0.70	0.69	0.70	0.71	0.73	0.76	0.78	0.80	0.82	0.83	0.84	0.83	0.82
130	0.82	0.77	0.73	0.72	0.71	0.71	0.72	0.74	0.79	0.85	0.93	1.00	1.09	1.17	1.24	1.30	1.35	1.39	1.40
140	0.82	0.76	0.72	0.71	0.71	0.73	0.77	0.86	0.95	1.07	1.20	1.34	1.48	1.62	1.75	1.85	1.92	1.97	2.00
150	0.82	0.75	0.72	0.71	0.73	0.77	0.86	0.98	1.13	1.29	1.45	1.63	1.80	1.96	2.09	2.20	2.24	2.26	2.28
160	0.82	0.74	0.72	0.72	0.74	0.82	0.95	1.09	1.28	1.46	1.64	1.82	1.98	2.11	2.22	2.26	2.29	2.32	2.36
170	0.82	0.73	0.72	0.72	0.77	0.85	1.00	1.17	1.37	1.57	1.75	1.92	2.05	2.13	2.15	2.15	2.11	2.10	2.19
180	0.82	0.73	0.72	0.73	0.78	0.87	1.03	1.21	1.40	1.60	1.77	1.92	2.04	2.08	2.08	2.02	1.97	1.92	1.91

H_(b) Range: -90 - 90DEG
 H_(b) Interval: 0.5DEG
 Test Speed: LOW
 Temperature: 25.3DEG
 Operators: Fan
 Test Date: 2023-03-11

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:BlazeMini Recessed-500mm-RGBW 3000K-2045D-Rev1	TYPE:RGBW-3000K	WEIGHT:
SPEC.:20x45 DEG	DIM.:500mm	SERIAL No.:IES000898-W
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	1.72	1.57	1.45	1.32	1.18	1.01	0.84	0.68	0.55	0.44	0.36	0.32	0.30	0.28	0.28	0.27	0.26	0.22	
-170	1.74	1.66	1.54	1.39	1.20	1.01	0.83	0.67	0.53	0.43	0.36	0.32	0.30	0.29	0.29	0.27	0.26	0.22	
-160	1.50	1.43	1.31	1.18	1.03	0.88	0.72	0.58	0.47	0.39	0.34	0.31	0.30	0.29	0.29	0.28	0.25	0.22	
-150	1.03	0.98	0.90	0.80	0.71	0.62	0.53	0.47	0.40	0.36	0.33	0.31	0.31	0.30	0.29	0.28	0.25	0.22	
-140	0.54	0.52	0.48	0.43	0.40	0.38	0.36	0.35	0.34	0.32	0.32	0.32	0.31	0.30	0.29	0.28	0.25	0.22	
-130	0.25	0.25	0.25	0.25	0.26	0.28	0.30	0.30	0.31	0.32	0.32	0.32	0.31	0.30	0.29	0.28	0.25	0.22	
-120	0.21	0.23	0.24	0.26	0.28	0.30	0.31	0.32	0.33	0.33	0.32	0.32	0.31	0.30	0.29	0.27	0.24	0.22	
-110	0.31	0.32	0.32	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.32	0.32	0.31	0.30	0.28	0.26	0.24	0.22	
-100	0.34	0.33	0.33	0.32	0.31	0.30	0.30	0.31	0.31	0.31	0.31	0.31	0.29	0.28	0.26	0.25	0.23	0.22	
-90	0.24	0.24	0.23	0.22	0.22	0.21	0.22	0.23	0.24	0.25	0.26	0.27	0.27	0.26	0.25	0.24	0.23	0.22	
-80	0.09	0.09	0.09	0.09	0.10	0.11	0.13	0.14	0.16	0.18	0.20	0.23	0.23	0.23	0.23	0.23	0.22	0.22	
-70	0.03	0.03	0.03	0.04	0.04	0.04	0.06	0.07	0.09	0.12	0.15	0.18	0.19	0.20	0.21	0.22	0.22	0.22	
-60	0.04	0.05	0.05	0.04	0.05	0.05	0.05	0.06	0.08	0.09	0.11	0.13	0.15	0.17	0.19	0.21	0.22	0.22	
-50	0.52	0.58	0.53	0.38	0.22	0.13	0.09	0.08	0.08	0.08	0.09	0.11	0.12	0.14	0.17	0.19	0.22	0.22	
-40	9.99	10.2	8.96	6.69	4.67	2.79	1.39	0.48	0.12	0.09	0.10	0.10	0.12	0.13	0.15	0.18	0.21	0.22	
-30	58.9	56.5	50.3	43.5	32.5	20.3	9.84	3.85	1.15	0.20	0.12	0.12	0.12	0.12	0.14	0.17	0.21	0.22	
-20	165	152	144	125	95.7	63.1	33.6	12.5	3.41	0.71	0.18	0.14	0.12	0.12	0.13	0.17	0.20	0.22	
-10	416	398	351	277	201	126	63.5	23.8	6.37	1.24	0.26	0.17	0.13	0.13	0.13	0.16	0.20	0.22	
0	637	600	533	433	310	183	85.7	29.2	7.10	1.32	0.28	0.20	0.15	0.13	0.13	0.15	0.20	0.22	
10	314	313	278	229	175	112	57.7	21.8	6.73	2.04	0.95	0.64	0.44	0.31	0.24	0.21	0.23	0.22	
20	115	108	107	94.9	73.4	49.4	27.8	11.8	4.98	2.28	1.46	1.00	0.68	0.47	0.34	0.27	0.25	0.22	
30	42.9	42.3	38.7	34.8	27.5	18.3	10.7	6.40	3.73	2.44	1.74	1.22	0.85	0.60	0.42	0.32	0.27	0.22	
40	13.2	13.4	12.6	11.0	8.42	6.08	4.41	3.42	2.95	2.43	1.80	1.30	0.94	0.68	0.49	0.36	0.29	0.22	
50	3.64	3.71	3.57	3.29	2.99	2.81	2.62	2.42	2.21	2.00	1.69	1.28	0.97	0.72	0.54	0.40	0.31	0.22	
60	2.16	2.15	2.11	2.05	1.97	1.90	1.82	1.74	1.64	1.54	1.45	1.20	0.94	0.73	0.56	0.43	0.32	0.22	
70	1.40	1.40	1.39	1.37	1.35	1.32	1.30	1.28	1.25	1.22	1.18	1.09	0.89	0.72	0.57	0.44	0.32	0.22	
80	1.04	1.04	1.03	1.02	1.00	0.99	0.99	1.00	1.00	1.00	0.99	0.97	0.82	0.69	0.56	0.44	0.32	0.22	
90	0.80	0.79	0.79	0.79	0.78	0.78	0.79	0.80	0.81	0.82	0.84	0.85	0.74	0.64	0.53	0.43	0.32	0.22	
100	0.66	0.66	0.66	0.66	0.66	0.65	0.67	0.68	0.70	0.71	0.74	0.75	0.67	0.59	0.51	0.42	0.32	0.22	
110	0.65	0.66	0.66	0.67	0.67	0.67	0.67	0.67	0.68	0.68	0.70	0.69	0.63	0.56	0.49	0.41	0.32	0.22	
120	0.83	0.84	0.84	0.84	0.81	0.80	0.77	0.75	0.72	0.70	0.69	0.65	0.59	0.53	0.47	0.40	0.31	0.22	
130	1.40	1.37	1.33	1.27	1.20	1.11	1.03	0.94	0.87	0.81	0.72	0.62	0.55	0.50	0.44	0.39	0.31	0.22	
140	1.98	1.94	1.88	1.79	1.66	1.51	1.37	1.22	1.09	0.93	0.75	0.62	0.52	0.46	0.41	0.37	0.30	0.22	
150	2.27	2.25	2.21	2.11	1.99	1.83	1.66	1.48	1.20	0.95	0.74	0.59	0.49	0.43	0.38	0.35	0.29	0.22	
160	2.33	2.32	2.28	2.23	2.14	2.00	1.71	1.39	1.11	0.87	0.67	0.53	0.44	0.38	0.35	0.32	0.28	0.22	
170	2.15	2.17	2.21	2.06	1.84	1.60	1.35	1.10	0.88	0.69	0.54	0.44	0.38	0.34	0.32	0.30	0.27	0.22	
180	1.72	1.57	1.45	1.32	1.18	1.01	0.84	0.68	0.55	0.44	0.36	0.32	0.30	0.28	0.28	0.27	0.26	0.22	

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

Test Speed: LOW

Temperature:25.3DEG

Operators:Fan

Test Date:2023-03-11

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: