

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity (Luminaire orientation as tested.)	1596.0 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
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Beam Spread	At 10% of Imax	78.4V x 77.7H
	At 50% of Imax	39.6V x 39.5H
	At 90% of Imax	15.6V x 15.6H

Beam Flux	Total	1000.0 lumens per klm.
	To 10% of Imax	817.3 lumens per klm.
	To 50% of Imax	427.3 lumens per klm.
	To 90% of Imax	88.2 lumens per klm.

Upward LOR	2.3 %
Downward LOR	97.7 %

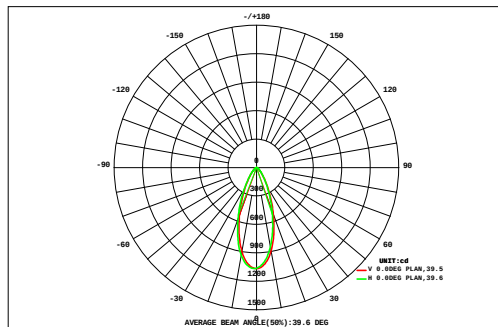
Luminaire Efficiency(Light Output Ratio)	100.0 %
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H_(b) Range:-90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:Fan
Test Date:2023-05-18

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:medusa-510mm-RGBW ALL-40D-Rev1	TYPE:RGBW W=3000K	WEIGHT:
SPEC.:40 DEG	DIM.:510mm	SERIAL No.:IES001044
MFR.:	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:26.74lm/W	
MODEL		Imax(cd)	1065
NOMINAL POWER(W)	24.96	AVAILABILITY(%)	81.6
RATED VOLTAGE(V)	48	Avai. FLUX(lm)	544.8
NOMINAL FLUX(lm)	667.4	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	667.4
TEST VOLTAGE(V)	48	q @50%(H,V)	40,40DEG

72 64 56 48 40 32 24
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one-half-peak spread: U:19.8,D:18.6 , L:20.0,R:19.8

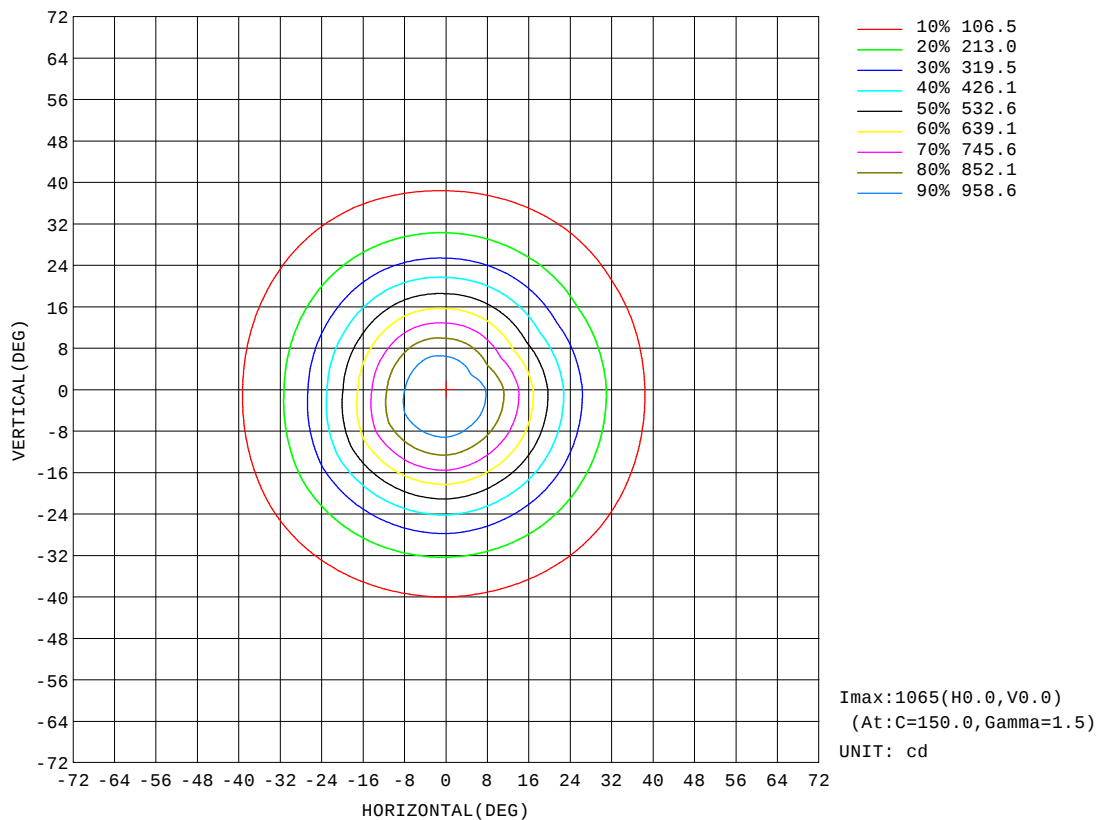
NEMA Beam Type: Type 5

H_(b) Range: -90 - 90DEG
 H_(b) Interval: 0.5DEG
 Test Speed: LOW
 Temperature: 25.3DEG
 Operators: Fan
 Test Date: 2023-05-18

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:medusa-510mm-RGBW ALL-40D-Rev1	TYPE:RGBW W=3000K	WEIGHT:
SPEC.:40 DEG	DIM.:510mm	SERIAL No.:IES001044
MFR.:	SUR.:	Shielding Angle:

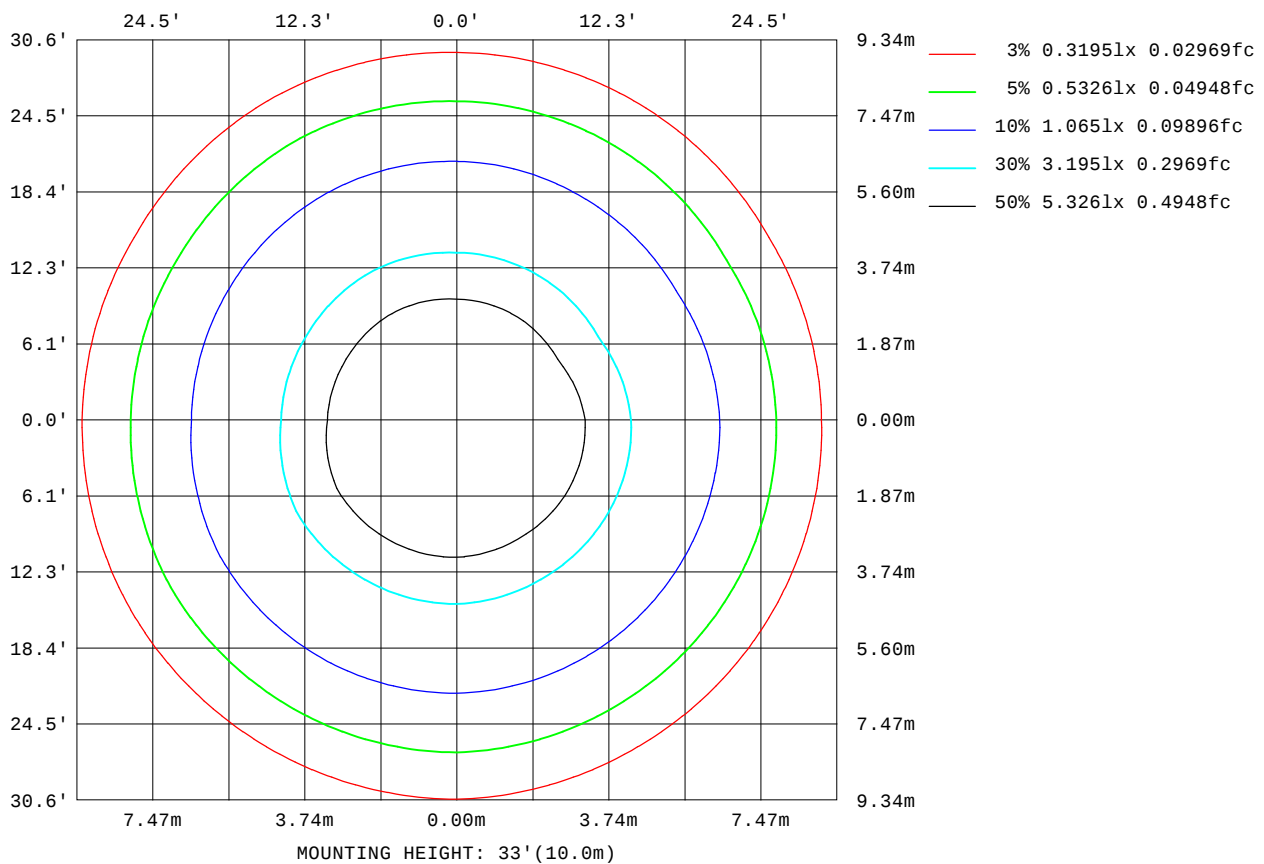


H_(b) Range:-90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:Fan
Test Date:2023-05-18

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

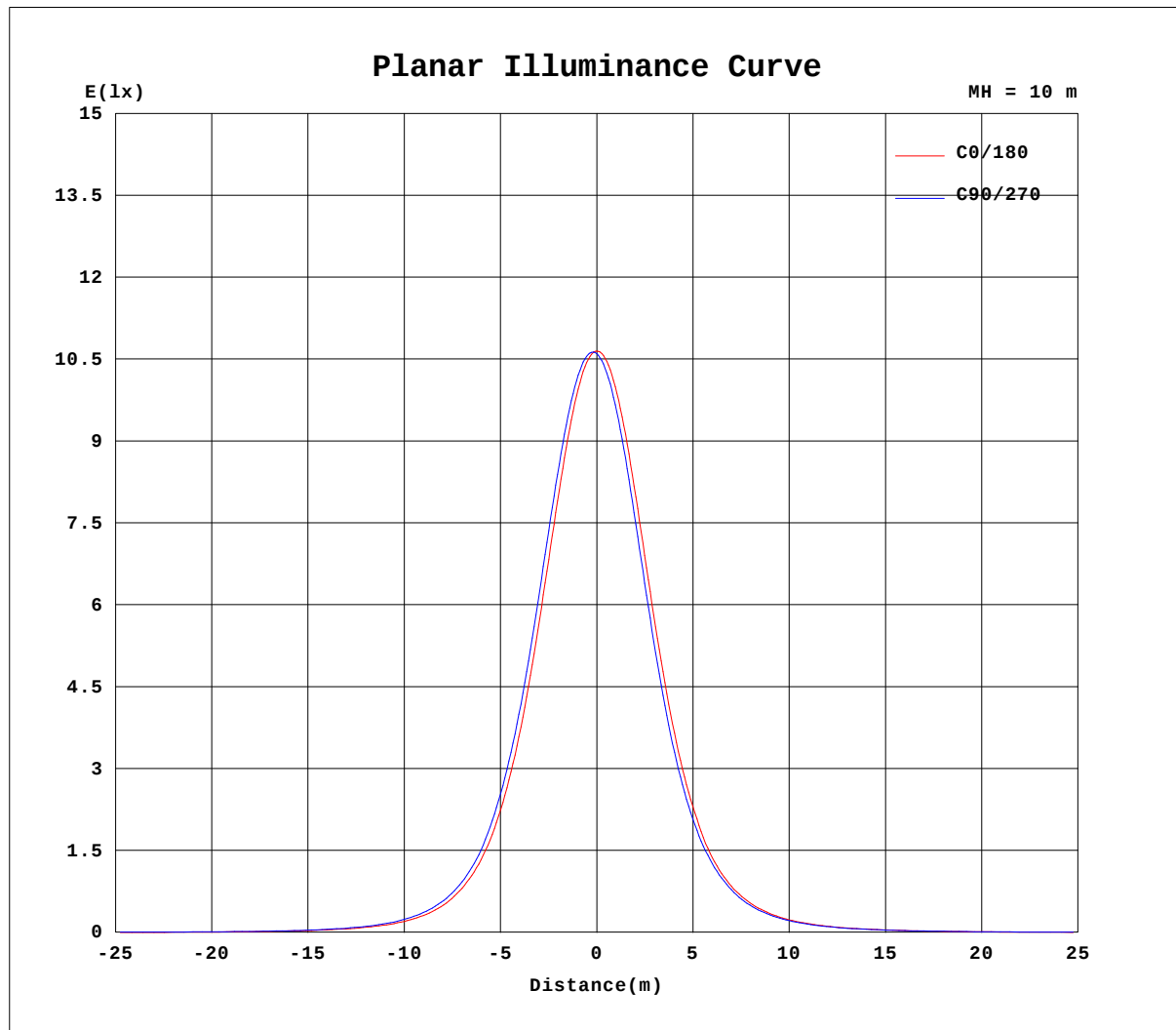
NAME: medusa-510mm-RGBW ALL-40D-Rev1	TYPE: RGBW W=3000K	WEIGHT:
SPEC.: 40 DEG	DIM.: 510mm	SERIAL No.: IES001044
MFR.:	SUR.:	Shielding Angle:



H_b Range: -90 - 90DEG
H_b Interval: 0.5DEG
Test Speed: LOW
Temperature: 25.3DEG
Operators: Fan
Test Date: 2023-05-18

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

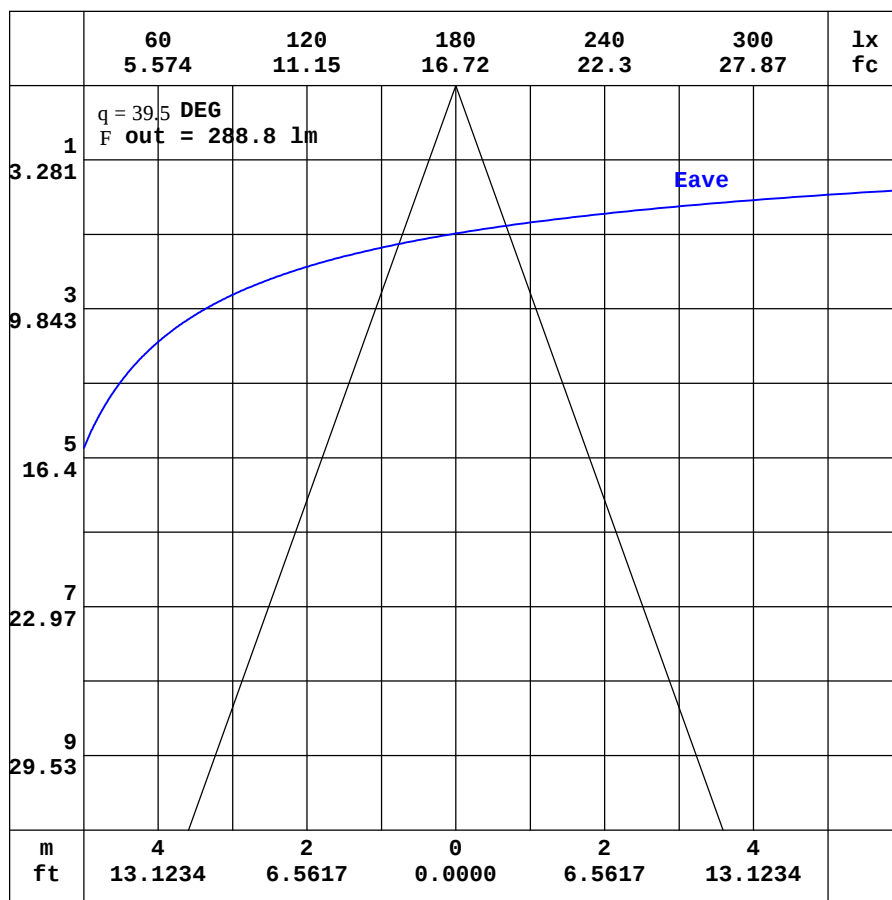


H_(b) Range: -90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: LOW
Temperature: 25.3DEG
Operators: Fan
Test Date: 2023-05-18

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: medusa-510mm-RGBW ALL-40D-Rev1	TYPE: RGBW W=3000K	WEIGHT:
SPEC.: 40 DEG	DIM.: 510mm	SERIAL No.: IES001044
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: 2023-05-18

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:medusa-510mm-RGBW ALL-40D-Rev1	TYPE:RGBW W=3000K	WEIGHT:
SPEC.:40 DEG	DIM.:510mm	SERIAL No.:IES001044
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	2.71	2.50	2.37	2.36	2.42	2.56	2.81	3.13	3.53	3.95	4.35	4.69	4.96	5.13	5.18	5.17	5.11	5.02	4.88
-170	2.71	2.45	2.28	2.24	2.24	2.31	2.45	2.64	2.86	3.08	3.29	3.44	3.55	3.58	3.54	3.58	3.87	4.09	4.31
-160	2.71	2.41	2.20	2.11	2.06	2.05	2.08	2.13	2.17	2.20	2.20	2.17	2.15	2.48	2.80	3.09	3.33	3.50	3.60
-150	2.71	2.38	2.13	2.00	1.89	1.81	1.74	1.68	1.59	1.44	1.33	1.51	1.73	1.96	2.18	2.39	2.56	2.68	2.74
-140	2.71	2.36	2.09	1.89	1.74	1.61	1.47	1.32	1.15	1.10	1.15	1.22	1.33	1.45	1.58	1.70	1.80	1.87	1.91
-130	2.71	2.35	2.04	1.80	1.62	1.44	1.26	1.07	1.00	1.00	1.03	1.05	1.08	1.12	1.17	1.22	1.26	1.29	1.31
-120	2.71	2.35	2.01	1.75	1.51	1.31	1.10	0.95	0.96	0.96	0.96	0.96	0.96	0.96	0.99	1.00	1.02	1.02	1.03
-110	2.71	2.35	2.02	1.71	1.44	1.20	0.97	0.91	0.91	0.91	0.91	0.91	0.91	0.92	0.92	0.93	0.94	0.94	0.95
-100	2.71	2.36	2.03	1.71	1.41	1.12	0.85	0.83	0.83	0.83	0.84	0.84	0.84	0.85	0.85	0.86	0.87	0.87	0.87
-90	2.71	2.40	2.09	1.77	1.46	1.15	0.84	0.86	0.88	0.90	0.91	0.93	0.95	0.94	0.93	0.92	0.92	0.91	0.90
-80	2.71	2.44	2.24	2.11	2.07	2.08	2.16	2.42	2.68	2.93	3.17	3.40	3.60	3.78	3.93	4.05	4.15	4.22	4.26
-70	2.71	2.52	2.50	2.63	2.92	3.35	3.93	4.59	5.23	5.86	6.49	7.13	7.72	8.24	8.71	9.12	9.44	9.65	9.76
-60	2.71	2.61	2.77	3.14	3.75	4.61	5.76	7.12	8.36	9.76	11.2	12.7	14.2	15.6	16.9	18.0	18.9	19.5	19.8
-50	2.71	2.71	3.03	3.59	4.47	5.74	7.91	10.2	12.5	15.1	18.1	21.6	25.5	29.7	33.9	37.7	40.8	43.0	43.8
-40	2.71	2.81	3.22	3.92	5.01	7.60	10.7	14.0	17.9	23.0	29.8	38.5	49.0	61.1	74.0	86.5	97.0	104	107
-30	2.71	2.89	3.36	4.13	5.91	9.51	13.7	19.0	25.8	35.0	48.5	67.7	92.9	124	161	199	232	255	264
-20	2.71	2.95	3.45	4.18	6.89	11.3	16.9	24.7	34.4	49.4	72.8	108	160	229	316	409	494	555	576
-10	2.71	3.00	3.48	4.12	7.49	12.3	19.7	28.9	41.4	61.6	93.6	144	221	339	490	659	805	904	938
0	2.71	3.03	3.46	3.95	7.65	12.7	21.0	31.0	44.6	66.1	100	154	237	363	528	717	897	1023	1065
10	2.71	3.05	3.59	4.33	7.81	12.8	20.2	29.5	41.7	60.9	90.6	136	205	305	434	583	726	827	847
20	2.71	3.04	3.67	4.58	7.51	12.2	18.1	26.0	35.4	49.3	69.8	99.5	142	199	270	350	423	469	480
30	2.71	3.02	3.67	4.68	6.79	10.7	15.4	21.0	27.9	36.5	48.3	64.5	85.5	111	141	171	196	213	218
40	2.71	2.99	3.60	4.58	6.05	9.07	12.6	16.5	20.9	25.8	32.0	39.7	48.6	58.7	69.5	79.0	86.9	91.7	92.8
50	2.71	2.93	3.46	4.32	5.58	7.32	10.0	12.9	15.4	18.2	21.2	24.4	28.1	31.7	35.2	38.2	40.5	41.8	42.1
60	2.71	2.86	3.25	3.91	4.86	6.14	7.81	9.60	11.0	12.4	14.0	15.4	17.1	18.6	19.6	20.6	21.3	21.7	21.8
70	2.71	2.80	3.02	3.40	3.99	4.77	5.75	6.60	7.34	8.10	8.80	9.44	10.1	10.7	11.1	11.4	11.7	11.8	11.8
80	2.71	2.75	2.82	2.95	3.15	3.42	3.77	4.07	4.36	4.64	4.90	5.16	5.40	5.56	5.68	5.76	5.80	5.80	5.77
90	2.71	2.72	2.73	2.74	2.74	2.75	2.76	2.75	2.74	2.73	2.72	2.71	2.70	2.70	2.70	2.70	2.69	2.69	2.69
100	2.71	2.68	2.65	2.62	2.60	2.57	2.55	2.51	2.48	2.45	2.42	2.39	2.37	2.36	2.36	2.36	2.36	2.36	2.37
110	2.71	2.65	2.58	2.52	2.47	2.45	2.42	2.40	2.38	2.37	2.36	2.36	2.37	2.37	2.37	2.37	2.37	2.36	2.35
120	2.71	2.61	2.51	2.45	2.40	2.39	2.38	2.37	2.38	2.41	2.46	2.53	2.60	2.66	2.72	2.76	2.80	2.82	2.82
130	2.71	2.58	2.47	2.39	2.37	2.37	2.38	2.43	2.52	2.65	2.80	2.95	3.10	3.26	3.38	3.49	3.57	3.62	3.63
140	2.71	2.55	2.44	2.37	2.37	2.39	2.46	2.59	2.78	2.99	3.22	3.47	3.73	3.96	4.16	4.30	4.41	4.47	4.50
150	2.71	2.53	2.40	2.37	2.38	2.44	2.58	2.80	3.06	3.34	3.67	3.98	4.29	4.55	4.78	4.94	5.03	5.09	5.10
160	2.71	2.51	2.38	2.36	2.39	2.50	2.70	2.97	3.30	3.67	4.03	4.38	4.66	4.90	5.09	5.21	5.25	5.28	5.31
170	2.71	2.50	2.37	2.36	2.41	2.55	2.78	3.09	3.47	3.88	4.27	4.61	4.88	5.06	5.15	5.18	5.18	5.13	5.22
180	2.71	2.50	2.37	2.36	2.42	2.56	2.81	3.13	3.53	3.95	4.35	4.69	4.96	5.13	5.18	5.17	5.11	5.02	4.89

H_(b) Range:-90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:Fan
Test Date:2023-05-18

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:medusa-510mm-RGBW ALL-40D-Rev1	TYPE:RGBW W=3000K	WEIGHT:
SPEC.:40 DEG	DIM.:510mm	SERIAL No.:IES001044
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	4.55	4.24	3.92	3.58	3.18	2.76	2.32	1.92	1.59	1.32	1.13	1.01	0.96	0.93	0.90	0.86	0.79	0.65
-170	4.14	3.99	3.75	3.43	3.05	2.65	2.24	1.87	1.55	1.30	1.13	1.02	0.97	0.93	0.90	0.86	0.79	0.65
-160	3.54	3.40	3.20	2.95	2.65	2.34	2.00	1.70	1.44	1.24	1.10	1.02	0.97	0.94	0.90	0.86	0.79	0.65
-150	2.71	2.62	2.47	2.29	2.08	1.86	1.65	1.47	1.29	1.15	1.06	1.00	0.96	0.94	0.89	0.86	0.79	0.65
-140	1.89	1.84	1.75	1.64	1.53	1.42	1.31	1.22	1.14	1.08	1.03	0.99	0.96	0.93	0.89	0.85	0.79	0.65
-130	1.30	1.28	1.24	1.20	1.15	1.11	1.08	1.05	1.03	1.02	1.00	0.98	0.95	0.91	0.88	0.83	0.78	0.65
-120	1.02	1.02	1.00	0.99	0.98	0.97	0.97	0.98	0.98	0.98	0.98	0.96	0.92	0.90	0.86	0.81	0.76	0.65
-110	0.95	0.94	0.93	0.93	0.92	0.92	0.93	0.93	0.93	0.93	0.93	0.92	0.89	0.86	0.83	0.79	0.73	0.65
-100	0.87	0.87	0.86	0.85	0.85	0.84	0.85	0.86	0.86	0.86	0.86	0.86	0.84	0.81	0.79	0.75	0.71	0.65
-90	0.89	0.89	0.88	0.87	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.77	0.75	0.73	0.70	0.68	0.65
-80	4.19	4.08	3.94	3.78	3.59	3.38	3.15	2.91	2.65	2.38	2.10	1.79	1.40	1.10	0.88	0.75	0.68	0.65
-70	9.61	9.34	8.97	8.52	8.02	7.43	6.82	6.17	5.53	4.89	4.25	3.46	2.50	1.75	1.21	0.87	0.70	0.65
-60	19.3	18.6	17.6	16.3	15.0	13.6	12.1	10.7	9.22	7.90	6.69	5.04	3.51	2.34	1.50	0.98	0.72	0.65
-50	42.6	40.0	36.6	32.6	28.4	24.3	20.5	17.1	14.2	11.7	9.36	6.93	4.61	2.75	1.70	1.05	0.73	0.65
-40	103	94.5	83.2	70.4	57.7	46.0	36.1	28.0	21.6	16.6	12.6	9.00	6.05	3.24	1.74	1.06	0.74	0.65
-30	251	224	189	151	116	86.1	62.5	44.7	31.9	23.0	16.9	11.5	7.49	4.07	1.64	1.01	0.73	0.65
-20	543	473	385	293	210	146	98.8	66.1	44.2	29.9	20.7	13.9	8.58	4.60	1.40	0.89	0.71	0.65
-10	883	770	617	456	316	207	134	85.1	54.5	35.4	23.6	16.3	9.13	4.85	1.29	0.73	0.68	0.65
0	1019	890	710	520	356	232	148	91.9	58.0	37.2	24.6	16.8	9.38	4.76	0.99	0.55	0.64	0.65
10	799	682	534	398	283	192	126	82.3	53.8	35.6	24.2	16.8	9.54	5.15	1.47	0.83	0.72	0.65
20	456	400	325	247	181	129	90.6	63.3	44.0	30.8	21.9	14.9	9.39	5.18	1.76	1.08	0.80	0.65
30	208	188	160	131	103	78.7	59.3	44.4	33.2	24.9	18.7	13.0	8.64	4.87	2.14	1.28	0.86	0.65
40	90.2	84.0	75.4	65.3	55.1	45.4	37.0	29.9	24.1	19.4	14.8	10.8	7.42	4.19	2.34	1.39	0.92	0.65
50	41.3	39.5	36.8	33.6	30.2	26.5	23.1	19.9	17.0	14.4	11.8	8.88	6.07	3.76	2.35	1.44	0.95	0.65
60	21.5	20.9	20.0	18.9	17.6	16.2	14.6	13.1	11.7	10.3	8.98	6.90	4.89	3.33	2.18	1.43	0.97	0.65
70	11.7	11.4	11.1	10.7	10.2	9.58	8.94	8.28	7.57	6.83	6.07	5.08	3.76	2.71	1.93	1.39	0.99	0.65
80	5.74	5.67	5.56	5.43	5.26	5.06	4.80	4.52	4.22	3.92	3.62	3.32	2.72	2.20	1.75	1.35	1.00	0.65
90	2.68	2.68	2.67	2.66	2.66	2.65	2.66	2.66	2.67	2.67	2.68	2.69	2.35	2.01	1.67	1.33	0.99	0.65
100	2.36	2.36	2.36	2.35	2.35	2.36	2.37	2.39	2.41	2.44	2.47	2.47	2.21	1.94	1.65	1.34	1.01	0.65
110	2.36	2.38	2.38	2.38	2.37	2.37	2.36	2.36	2.36	2.36	2.37	2.31	2.08	1.84	1.59	1.33	1.02	0.65
120	2.82	2.82	2.79	2.75	2.70	2.63	2.56	2.49	2.43	2.38	2.36	2.19	1.97	1.75	1.53	1.28	1.01	0.65
130	3.63	3.59	3.53	3.43	3.31	3.17	3.00	2.84	2.69	2.57	2.36	2.08	1.86	1.65	1.45	1.23	1.00	0.65
140	4.49	4.44	4.35	4.22	4.03	3.80	3.57	3.32	3.07	2.73	2.32	1.98	1.73	1.54	1.36	1.18	0.97	0.65
150	5.10	5.05	4.98	4.82	4.62	4.37	4.08	3.77	3.20	2.65	2.20	1.85	1.59	1.41	1.25	1.11	0.93	0.65
160	5.28	5.25	5.21	5.10	4.94	4.74	4.13	3.50	2.89	2.38	1.95	1.65	1.42	1.26	1.14	1.03	0.89	0.65
170	5.08	5.13	5.15	4.86	4.41	3.90	3.36	2.83	2.33	1.92	1.59	1.36	1.21	1.10	1.02	0.95	0.84	0.65
180	4.55	4.24	3.92	3.58	3.18	2.76	2.32	1.92	1.59	1.32	1.13	1.01	0.96	0.93	0.90	0.86	0.79	0.65

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

Test Speed: LOW

Temperature:25.3DEG

Operators:Fan

Test Date:2023-05-18

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: