

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

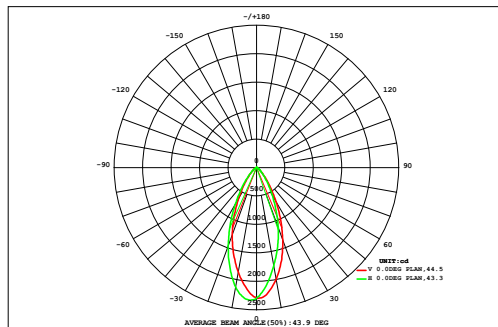
Maximum Intensity (Luminaire orientation as tested.)		1442.8 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of Imax	82.4V x 82.8H
	At 50% of Imax	43.3V x 44.5H
	At 90% of Imax	15.0V x 14.7H
Beam Flux	Total	999.8 lumens per klm.
	To 10% of Imax	852.0 lumens per klm.
	To 50% of Imax	462.2 lumens per klm.
	To 90% of Imax	74.0 lumens per klm.
Upward LOR		2.3 %
Downward LOR		97.6 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

H(θ) Range:-90 - 90DEG
H(θ) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:Fan
Test Date:2023-05-05

V(θ) Range:-180 - 180DEG
V(θ) Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:8.630m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: Medusa-510mm-3000K-45D-Rev1	TYPE: 3000K	WEIGHT:
SPEC.: 45 DEG	DIM.: 510mm	SERIAL No.: IES000999
MFR.:	SUR.:	Shielding Angle:



DATA OF LAMP		Eff: 85.16lm/W	
MODEL		Imax (cd)	2330
NOMINAL POWER (W)	18.96	AVAILABILITY (%)	85.2
RATED VOLTAGE (V)	24	Avai. FLUX (lm)	1377
NOMINAL FLUX (lm)	1615	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	1615
TEST VOLTAGE (V)	24	q @50% (H,V)	44,43DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT: lm		F t	F a
	0.06	0.10	0.15	0.20	0.26	0.32	0.37	0.41	0.43	0.43	0.40	0.36	0.30	0.25	0.19	0.14	0.09	0.05	4.52	0.00
72	0.06	0.10	0.15	0.20	0.26	0.32	0.37	0.41	0.43	0.43	0.40	0.36	0.30	0.25	0.19	0.14	0.09	0.05	4.52	0.00
64	0.07	0.13	0.20	0.29	0.40	0.52	0.64	0.73	0.78	0.78	0.72	0.62	0.51	0.39	0.28	0.19	0.11	0.05	7.42	0.00
56	0.08	0.15	0.27	0.43	0.63	0.89	1.16	1.38	1.51	1.51	1.37	1.13	0.86	0.61	0.41	0.26	0.13	0.06	12.8	0.00
48	0.09	0.19	0.36	0.62	1.02	1.56	2.16	2.73	3.09	3.08	2.71	2.13	1.50	0.99	0.60	0.33	0.15	0.06	23.4	0.00
40	0.10	0.23	0.48	0.91	1.64	2.73	4.05	5.43	6.33	6.31	5.38	3.99	2.66	1.54	0.87	0.42	0.18	0.06	43.3	24.7
32	0.11	0.28	0.62	1.31	2.58	4.65	7.47	10.4	12.4	12.4	10.4	7.36	4.56	2.48	1.19	0.53	0.20	0.06	78.9	67.6
24	0.12	0.32	0.78	1.78	3.79	7.33	12.4	17.9	21.4	21.4	17.9	12.3	7.19	3.72	1.66	0.66	0.22	0.06	131	122
	0.13	0.35	0.93	2.23	5.04	10.3	17.8	25.8	30.9	31.1	26.0	17.9	10.3	5.05	2.15	0.77	0.23	0.06	187	180
	0.13	0.37	1.02	2.53	5.94	12.5	21.9	31.5	39.1	39.8	32.9	23.0	13.1	6.10	2.49	0.84	0.23	0.05	233	227
	0.13	0.37	1.03	2.58	6.16	13.1	23.1	33.9	42.6	43.4	35.7	24.6	13.9	6.36	2.55	0.85	0.22	0.05	251	244
	0.12	0.34	0.94	2.35	5.59	11.8	20.9	30.4	37.4	38.0	31.6	21.8	12.2	5.67	2.31	0.78	0.22	0.05	222	215
	0.11	0.30	0.78	1.91	4.39	8.97	15.5	22.5	27.4	27.7	23.3	15.9	9.10	4.40	1.85	0.66	0.20	0.05	165	157
-24	0.10	0.25	0.59	1.39	2.98	5.74	9.56	13.8	16.7	16.9	14.1	9.77	5.79	2.97	1.33	0.51	0.17	0.04	103	93.3
-32	0.08	0.19	0.42	0.91	1.82	3.26	5.13	7.16	8.63	8.67	7.26	5.21	3.27	1.81	0.88	0.37	0.13	0.04	55.3	41.6
-40	0.07	0.14	0.29	0.57	1.04	1.72	2.55	3.40	3.98	3.98	3.42	2.57	1.72	1.02	0.54	0.26	0.10	0.03	27.4	4.40
-48	0.06	0.10	0.19	0.34	0.57	0.87	1.22	1.54	1.75	1.75	1.54	1.21	0.86	0.55	0.32	0.17	0.08	0.03	13.1	0.00
-56	0.05	0.07	0.13	0.21	0.31	0.44	0.58	0.69	0.77	0.77	0.68	0.56	0.42	0.29	0.19	0.11	0.06	0.02	6.34	0.00
-64	0.04	0.05	0.08	0.12	0.17	0.22	0.28	0.32	0.35	0.34	0.31	0.26	0.21	0.15	0.11	0.07	0.04	0.02	3.14	0.00
-72	0.04	0.05	0.08	0.12	0.17	0.22	0.28	0.32	0.35	0.34	0.31	0.26	0.21	0.15	0.11	0.07	0.04	0.02	3.14	0.00
	-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL (DEG)	16	24	32	40	48	56	64	72			
F t	1.66	3.95	9.27	20.7	44.4	86.9	147	210	255	258	216	151	88.4	44.3	19.9	7.93	2.77	0.84	1568	---
F a	0.00	0.00	0.00	1.02	28.9	74.0	135	198	244	247	204	139	75.6	29.2	1.03	0.00	0.00	0.00	---	1377

one-half-peak spread: U:21.2,D:22.5 , L:22.8,R:22.0

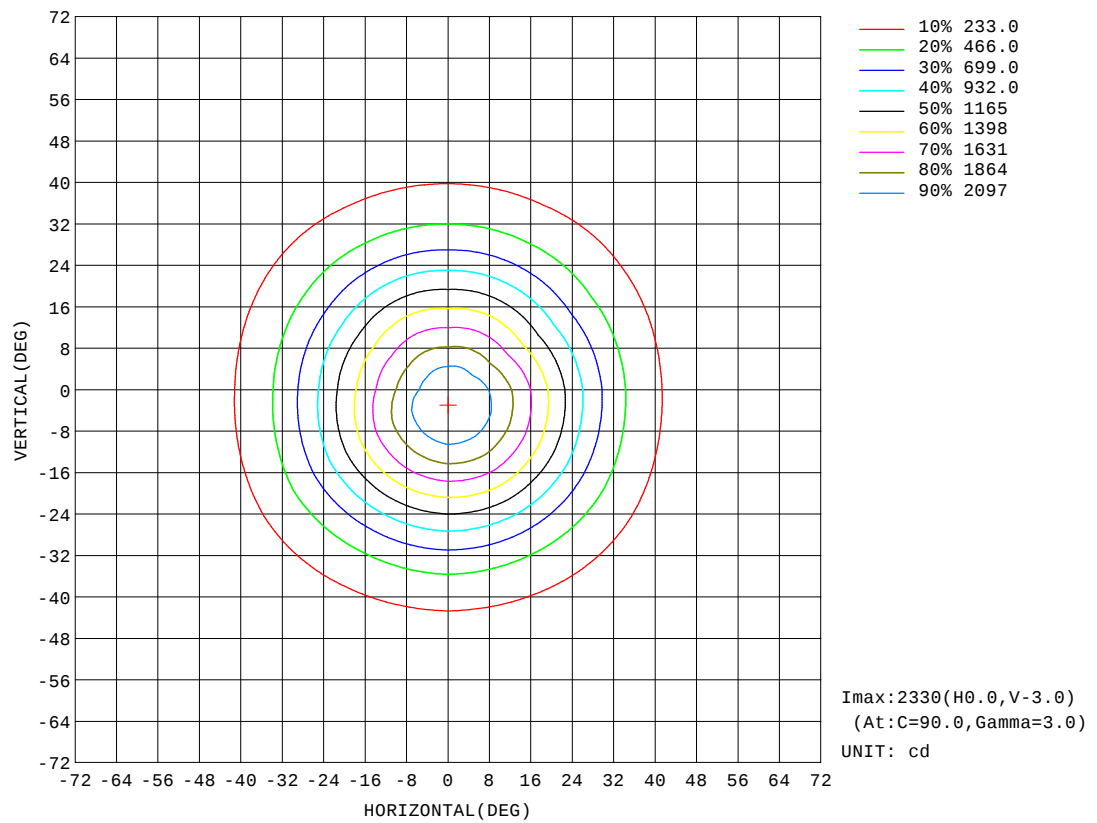
NEMA Beam Type: Type 5

H(B) Range:-90 - 90DEG
H(B) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:Fan
Test Date:2023-05-05

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:8.630m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

NAME: Medusa-510mm-3000K-45D-Rev1	TYPE: 3000K	WEIGHT:
SPEC.: 45 DEG	DIM.: 510mm	SERIAL No.: IES000999
MFR.:	SUR.:	Shielding Angle:

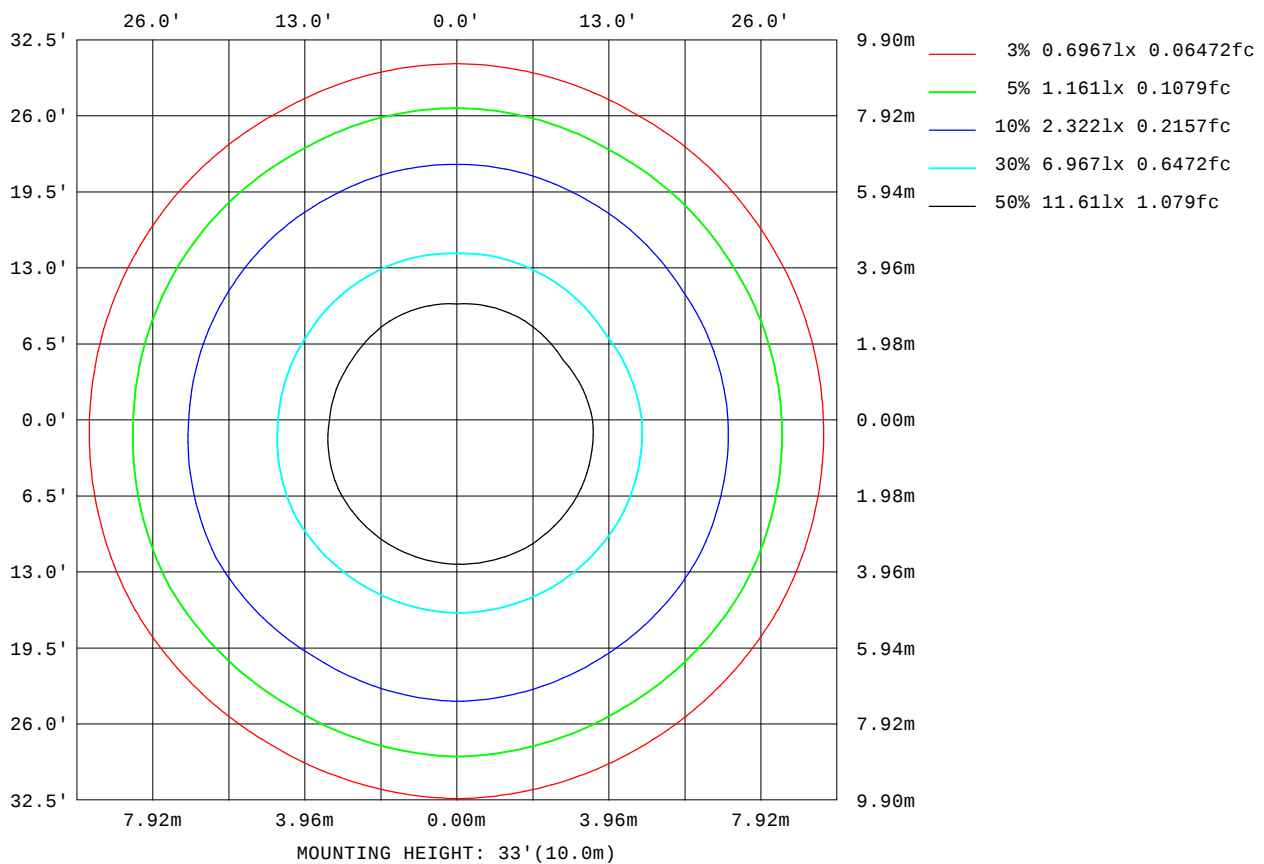


H_(b) Range: -90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: LOW
Temperature: 25.3DEG
Operators: Fan
Test Date: 2023-05-05

V(B) Range: -180 - 180DEG
V(B) Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 8.630m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

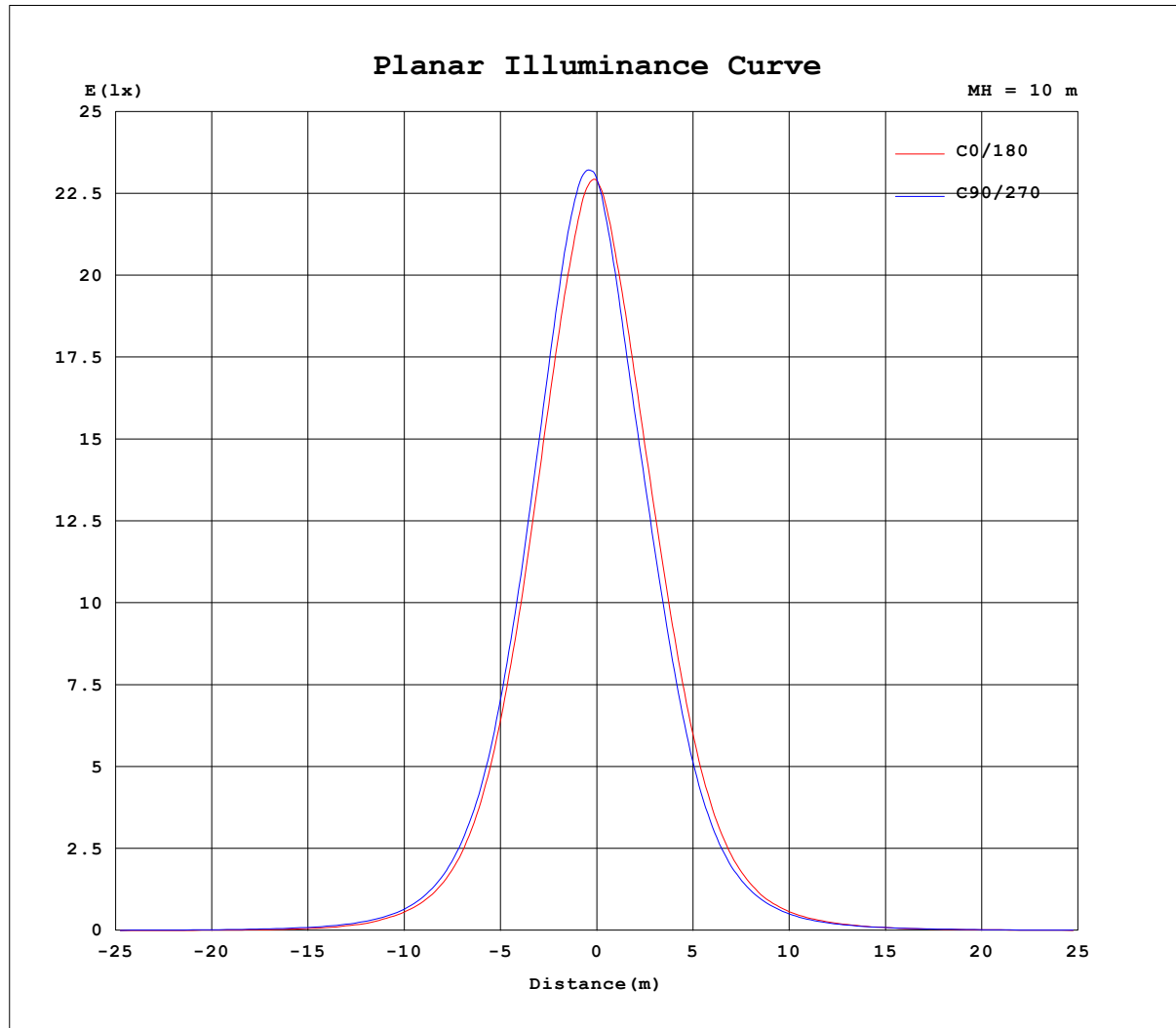
NAME: Medusa-510mm-3000K-45D-Rev1	TYPE: 3000K	WEIGHT:
SPEC.: 45 DEG	DIM.: 510mm	SERIAL No.: IES000999
MFR.:	SUR.:	Shielding Angle:



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

V(B) Range: -180 - 180DEG
V(B) Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 8.630m [K=1.0000]
Remarks:

Planar Illuminance Curve

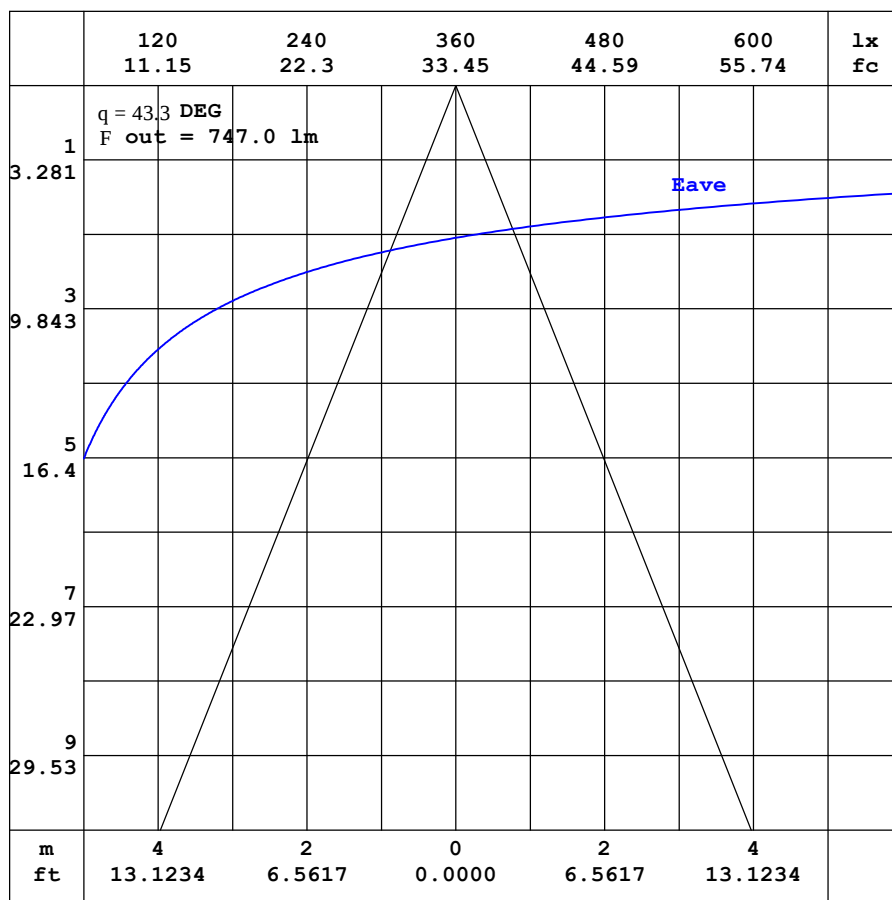


H(θ) Range: -90 - 90DEG
H(θ) Interval: 0.5DEG
Test Speed: LOW
Temperature: 25.3DEG
Operators: Fan
Test Date: 2023-05-05

V(B) Range: -180 - 180DEG
V(B) Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 8.630m [K=1.0000]
Remarks:

AAI CURVES

NAME: Medusa-510mm-3000K-45D-Rev1	TYPE: 3000K	WEIGHT:
SPEC.: 45 DEG	DIM.: 510mm	SERIAL No.: IES000999
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: 2023-05-05

V(B) Range: -180 - 180DEG
V(B) Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 8.630m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: Medusa-510mm-3000K-45D-Rev1	TYPE: 3000K	WEIGHT:
SPEC.: 45 DEG	DIM.: 510mm	SERIAL No.: IES000999
MFR.:	SUR.:	Shielding Angle:

Table--1

UNIT: cd

H (DEG) V (DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-180	6.42	6.11	5.79	5.79	6.06	6.54	7.20	7.99	8.85	9.80	10.7	11.5	12.1	12.5	12.7	12.7	12.5	12.3	11.9
-170	6.42	6.01	5.59	5.48	5.62	5.89	6.30	6.77	7.26	7.74	8.17	8.51	8.72	8.76	8.60	8.68	9.35	9.89	10.3
-160	6.42	5.91	5.40	5.18	5.16	5.23	5.37	5.51	5.64	5.68	5.61	5.51	5.42	6.14	6.83	7.44	7.94	8.26	8.38
-150	6.42	5.83	5.25	4.90	4.72	4.60	4.50	4.37	4.18	3.90	3.63	3.96	4.44	4.95	5.43	5.85	6.17	6.37	6.44
-140	6.42	5.77	5.12	4.65	4.33	4.06	3.77	3.45	3.04	2.95	3.13	3.34	3.56	3.80	4.07	4.30	4.47	4.58	4.61
-130	6.42	5.73	5.03	4.45	4.01	3.62	3.22	2.79	2.62	2.68	2.74	2.82	2.91	3.00	3.10	3.19	3.25	3.29	3.30
-120	6.42	5.71	4.98	4.33	3.77	3.28	2.80	2.47	2.49	2.50	2.52	2.54	2.55	2.57	2.59	2.61	2.62	2.63	2.62
-110	6.42	5.68	4.95	4.26	3.62	3.04	2.49	2.34	2.35	2.36	2.37	2.36	2.36	2.36	2.36	2.36	2.36	2.35	2.34
-100	6.42	5.66	4.94	4.23	3.53	2.87	2.23	2.18	2.18	2.17	2.17	2.17	2.16	2.15	2.15	2.14	2.13	2.11	2.10
-90	6.42	5.69	4.96	4.23	3.51	2.78	2.05	2.04	2.03	2.02	2.01	2.00	1.99	1.96	1.93	1.90	1.86	1.83	1.80
-80	6.42	5.75	5.11	4.49	3.91	3.33	2.75	2.87	3.06	3.26	3.47	3.69	3.90	4.14	4.36	4.55	4.70	4.80	4.86
-70	6.42	5.87	5.47	5.15	4.85	4.65	4.64	5.25	6.11	7.05	8.03	9.06	10.2	11.3	12.3	13.1	13.8	14.2	14.5
-60	6.42	6.04	5.96	5.92	6.08	6.58	7.44	8.92	11.3	14.0	17.0	20.2	23.7	27.3	30.7	33.8	36.5	38.3	39.3
-50	6.42	6.27	6.47	6.76	7.48	8.74	11.3	14.9	19.5	25.8	33.7	43.2	54.2	66.2	78.4	90.1	100	107	111
-40	6.42	6.52	6.95	7.63	8.84	11.8	16.8	23.5	32.8	46.9	66.4	91.4	122	157	195	234	270	296	309
-30	6.42	6.75	7.40	8.37	10.2	15.6	23.3	34.3	52.7	80.6	121	178	252	344	445	553	654	726	758
-20	6.42	6.96	7.81	8.98	12.1	19.0	29.4	46.5	76.9	121	191	299	448	631	845	1066	1260	1400	1463
-10	6.42	7.15	8.14	9.41	13.4	22.1	34.1	57.0	95.6	154	247	396	606	884	1196	1513	1791	2017	2131
0	6.42	7.30	8.40	9.68	14.1	23.2	36.0	60.5	103	164	262	418	643	932	1255	1568	1865	2124	2290
10	6.42	7.29	8.45	9.96	14.2	23.2	35.2	57.5	94.1	148	231	361	543	776	1043	1303	1535	1698	1749
20	6.42	7.24	8.42	10.0	13.6	21.1	31.7	48.2	76.0	114	171	255	368	510	676	849	1001	1096	1119
30	6.42	7.15	8.29	9.85	12.4	18.5	27.0	37.8	54.8	78.1	110	154	209	275	348	421	489	534	548
40	6.42	7.03	8.05	9.44	11.6	15.4	21.4	28.9	38.1	50.3	65.8	85.3	108	133	158	185	207	222	227
50	6.42	6.87	7.75	8.83	10.5	12.9	16.5	21.2	26.2	31.8	38.4	46.2	54.9	63.9	72.6	80.4	86.6	90.4	91.3
60	6.42	6.72	7.36	8.13	9.22	10.7	12.8	15.3	17.5	20.1	23.0	25.9	28.9	31.8	34.4	36.7	38.4	39.4	39.7
70	6.42	6.60	6.96	7.43	8.01	8.76	9.75	10.7	11.7	12.7	13.8	14.8	15.8	16.7	17.5	18.2	18.7	19.0	19.1
80	6.42	6.51	6.64	6.82	7.03	7.27	7.53	7.75	7.97	8.20	8.42	8.63	8.82	8.99	9.14	9.25	9.33	9.36	9.35
90	6.42	6.44	6.46	6.48	6.50	6.53	6.55	6.52	6.49	6.45	6.42	6.39	6.36	6.34	6.31	6.29	6.27	6.25	6.23
100	6.42	6.38	6.35	6.30	6.22	6.16	6.10	6.03	5.96	5.89	5.84	5.79	5.74	5.73	5.71	5.69	5.67	5.65	5.63
110	6.42	6.35	6.23	6.10	5.99	5.92	5.89	5.86	5.84	5.82	5.82	5.85	5.88	5.91	5.93	5.94	5.94	5.93	5.91
120	6.42	6.31	6.11	5.94	5.85	5.84	5.86	5.91	5.99	6.14	6.32	6.49	6.67	6.83	6.97	7.09	7.16	7.21	7.21
130	6.42	6.26	6.01	5.84	5.82	5.87	5.99	6.25	6.56	6.89	7.25	7.62	8.00	8.34	8.63	8.87	9.05	9.15	9.19
140	6.42	6.20	5.92	5.80	5.83	6.00	6.33	6.75	7.26	7.82	8.38	8.94	9.46	9.97	10.4	10.7	11.0	11.1	11.2
150	6.42	6.16	5.86	5.79	5.91	6.21	6.67	7.26	7.96	8.69	9.36	10.0	10.7	11.3	11.8	12.1	12.3	12.4	12.5
160	6.42	6.14	5.82	5.78	5.98	6.39	6.97	7.69	8.49	9.29	10.1	10.9	11.5	12.0	12.4	12.7	12.8	12.8	12.9
170	6.42	6.12	5.80	5.79	6.04	6.50	7.15	7.94	8.79	9.69	10.6	11.3	12.0	12.4	12.6	12.6	12.6	12.5	12.6
180	6.42	6.11	5.79	5.79	6.06	6.54	7.20	7.99	8.85	9.80	10.7	11.5	12.1	12.5	12.7	12.7	12.5	12.3	11.9

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

Test Speed: LOW

Temperature: 25.3DEG

Operators: Fan

Test Date: 2023-05-05

V(B) Range:-180 - 180DEG

V(B) Interval: 0.5DEG

Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351

Humidity: 65.0%

Test Distance: 8.630m [K=1.0000]

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: Medusa-510mm-3000K-45D-Rev1	TYPE: 3000K	WEIGHT:
SPEC.: 45 DEG	DIM.: 510mm	SERIAL No.: IES000999
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

H (DEG) V (DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-180	11.1	10.3	9.41	8.52	7.59	6.62	5.67	4.79	4.03	3.42	3.00	2.72	2.50	2.35	2.21	2.13	1.94	1.63	
-170	9.88	9.44	8.81	8.04	7.19	6.29	5.42	4.63	3.93	3.37	2.98	2.71	2.51	2.36	2.21	2.13	1.94	1.63	
-160	8.25	7.93	7.48	6.89	6.22	5.51	4.83	4.19	3.65	3.21	2.89	2.66	2.48	2.34	2.20	2.12	1.94	1.63	
-150	6.37	6.16	5.84	5.44	4.98	4.51	4.06	3.66	3.29	2.99	2.76	2.58	2.44	2.32	2.19	2.10	1.93	1.63	
-140	4.58	4.47	4.29	4.06	3.82	3.57	3.33	3.11	2.93	2.77	2.62	2.49	2.38	2.27	2.17	2.06	1.92	1.63	
-130	3.29	3.25	3.18	3.09	2.99	2.90	2.81	2.72	2.64	2.58	2.50	2.41	2.31	2.22	2.14	2.01	1.88	1.63	
-120	2.63	2.62	2.60	2.58	2.55	2.52	2.50	2.47	2.45	2.41	2.38	2.31	2.23	2.16	2.06	1.96	1.83	1.63	
-110	2.34	2.34	2.34	2.33	2.32	2.31	2.30	2.29	2.27	2.25	2.23	2.19	2.13	2.05	1.98	1.91	1.78	1.63	
-100	2.10	2.09	2.09	2.08	2.08	2.07	2.07	2.06	2.06	2.05	2.04	2.02	1.98	1.94	1.88	1.80	1.73	1.63	
-90	1.81	1.82	1.84	1.85	1.86	1.88	1.88	1.88	1.88	1.88	1.89	1.89	1.85	1.80	1.76	1.72	1.67	1.63	
-80	4.74	4.57	4.36	4.11	3.84	3.58	3.37	3.15	2.93	2.72	2.51	2.31	2.07	1.89	1.77	1.70	1.65	1.63	
-70	14.0	13.4	12.6	11.6	10.4	9.31	8.32	7.37	6.44	5.55	4.71	3.81	2.92	2.32	1.95	1.74	1.65	1.63	
-60	38.1	36.0	33.1	29.7	26.1	22.4	18.8	15.5	12.5	9.96	7.98	5.87	4.13	2.88	2.16	1.81	1.66	1.63	
-50	107	100	90.1	78.2	65.6	53.2	41.8	31.9	23.9	17.7	12.6	8.20	5.21	3.44	2.35	1.84	1.66	1.63	
-40	298	272	237	198	159	122	90.4	64.7	45.0	29.9	19.0	11.7	6.59	3.72	2.45	1.84	1.66	1.63	
-30	733	666	567	454	348	253	177	119	76.9	47.0	27.2	15.7	8.21	3.82	2.38	1.79	1.66	1.63	
-20	1424	1299	1101	869	644	452	299	189	116	67.1	36.2	19.6	9.74	4.20	2.11	1.70	1.65	1.63	
-10	2060	1861	1583	1253	921	628	403	249	150	82.4	43.7	20.8	10.3	4.15	1.70	1.56	1.62	1.63	
0	2219	1994	1695	1348	1000	685	435	267	160	85.1	43.9	19.6	9.27	3.37	1.21	1.41	1.60	1.63	
10	1716	1560	1313	1055	789	552	364	231	142	79.4	44.2	21.9	11.4	5.03	2.24	1.88	1.77	1.63	
20	1095	998	845	670	501	358	250	168	104	65.9	37.9	22.1	12.0	5.91	3.14	2.32	1.93	1.63	
30	532	485	416	343	270	204	150	99.4	73.6	48.9	30.8	19.6	11.4	6.18	3.84	2.68	2.07	1.63	
40	221	205	183	156	130	103	81.1	63.6	48.1	35.4	24.8	16.7	10.6	6.40	4.26	2.95	2.19	1.63	
50	90.0	85.8	79.2	71.2	62.3	53.2	44.6	36.9	30.3	24.8	19.5	14.0	9.32	6.41	4.44	3.14	2.29	1.63	
60	39.2	37.9	36.0	33.6	30.8	27.8	24.8	21.8	19.2	16.9	14.6	11.2	8.26	6.06	4.40	3.25	2.35	1.63	
70	18.8	18.4	17.8	17.0	16.1	15.2	14.2	13.1	12.1	11.1	10.2	8.97	7.06	5.52	4.29	3.28	2.40	1.63	
80	9.31	9.24	9.12	8.97	8.79	8.58	8.38	8.17	7.94	7.71	7.49	7.21	6.13	5.11	4.16	3.27	2.42	1.63	
90	6.24	6.25	6.27	6.28	6.29	6.30	6.33	6.35	6.38	6.40	6.43	6.45	5.65	4.84	4.04	3.24	2.43	1.63	
100	5.64	5.66	5.67	5.68	5.69	5.70	5.74	5.78	5.84	5.89	5.96	5.97	5.34	4.68	3.98	3.24	2.46	1.63	
110	5.92	5.92	5.91	5.88	5.86	5.83	5.79	5.76	5.76	5.77	5.79	5.63	5.06	4.47	3.86	3.22	2.46	1.63	
120	7.19	7.13	7.04	6.90	6.76	6.59	6.41	6.23	6.08	5.94	5.84	5.38	4.82	4.28	3.71	3.12	2.45	1.63	
130	9.13	9.01	8.81	8.55	8.25	7.89	7.51	7.13	6.77	6.44	5.94	5.20	4.57	4.04	3.55	3.00	2.42	1.63	
140	11.1	10.9	10.7	10.3	9.89	9.38	8.82	8.24	7.66	6.87	5.85	5.02	4.34	3.78	3.33	2.87	2.36	1.63	
150	12.4	12.3	12.1	11.7	11.2	10.7	10.0	9.28	7.94	6.65	5.57	4.71	4.04	3.51	3.08	2.72	2.27	1.63	
160	12.8	12.7	12.6	12.4	12.0	11.5	10.1	8.57	7.19	5.98	4.99	4.22	3.62	3.17	2.81	2.54	2.17	1.63	
170	12.4	12.5	12.6	11.9	10.7	9.47	8.20	6.97	5.84	4.87	4.11	3.54	3.11	2.79	2.52	2.34	2.05	1.63	
180	11.1	10.3	9.41	8.52	7.59	6.62	5.67	4.79	4.03	3.42	3.00	2.72	2.50	2.35	2.21	2.13	1.94	1.63	

H_b Range: -90 - 90DEGH_b Interval: 0.5DEG

Test Speed: LOW

Temperature: 25.3DEG

Operators: Fan

Test Date: 2023-05-05

V(B) Range: -180 - 180DEG

V(B) Interval: 0.5DEG

Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351

Humidity: 65.0%

Test Distance: 8.630m [K=1.0000]

Remarks: