

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	3583.3 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	49.9V x 50.2H
	At 50% of Imax	25.2V x 25.3H
	At 90% of Imax	9.7V x 9.8H

Beam Flux	Total	1000.4 lumens per klm.
	To 10% of Imax	760.2 lumens per klm.
	To 50% of Imax	390.7 lumens per klm.
	To 90% of Imax	75.8 lumens per klm.

Upward LOR	2.3 %
Downward LOR	97.7 %

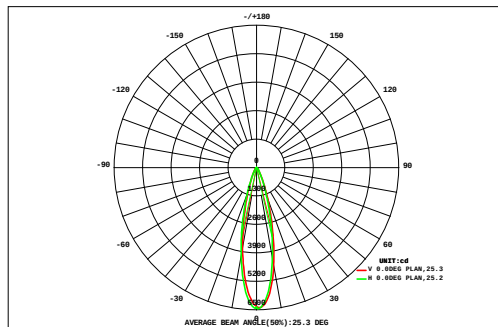
Luminaire Efficiency(Light Output Ratio)	100.0 %
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H_(b) Range:-90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:Fan
Test Date:2023-05-04

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-3000K-25D-Rev1	TYPE: 3000K	WEIGHT:
SPEC.: 25 DEG	DIM.: 510mm	SERIAL No.: IES000997
MFR.:	SUR.:	Shielding Angle:



DATA OF LAMP		Eff: 94.91lm/W	
MODEL		Imax(cd)	6446
NOMINAL POWER(W)	18.96	AVAILABILITY(%)	76.1
RATED VOLTAGE(V)	24	Avai. FLUX(lm)	1368
NOMINAL FLUX(lm)	1799	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	1799
TEST VOLTAGE(V)	24	q @50%(H, V)	25, 25DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm				F t	F a
	0.25	0.32	0.41	0.51	0.61	0.72	0.81	0.89	0.93	0.94	0.90	0.83	0.74	0.64	0.52	0.42	0.33	0.26	11.0	0.00		
	40	0.29	0.39	0.51	0.65	0.81	0.98	1.15	1.28	1.36	1.37	1.31	1.18	1.02	0.85	0.68	0.52	0.40	0.31	15.1	0.00	
	35	0.34	0.47	0.64	0.84	1.09	1.38	1.68	1.96	2.12	2.14	2.01	1.76	1.45	1.16	0.89	0.67	0.48	0.35	21.4	0.00	
	30	0.40	0.56	0.79	1.09	1.49	2.03	2.67	3.27	3.67	3.72	3.40	2.83	2.18	1.60	1.17	0.84	0.59	0.40	32.7	0.00	
	25	0.46	0.66	0.97	1.41	2.09	3.11	4.52	6.00	7.03	7.14	6.28	4.86	3.39	2.28	1.53	1.04	0.70	0.45	53.9	29.6	
	20	0.51	0.77	1.16	1.80	2.92	4.85	7.83	11.2	13.6	13.8	11.8	8.47	5.34	3.24	1.99	1.25	0.79	0.50	91.9	74.2	
	15	0.56	0.86	1.35	2.24	3.95	7.23	12.6	19.4	24.3	24.7	20.5	13.7	8.06	4.50	2.53	1.46	0.88	0.54	149	134	
	10	0.60	0.93	1.51	2.64	4.99	9.72	17.8	28.3	36.7	37.4	30.0	19.7	11.4	6.03	3.10	1.65	0.94	0.56	214	200	
	5	0.62	0.97	1.59	2.86	5.61	11.3	21.1	33.9	44.7	45.8	37.4	25.4	14.4	7.28	3.51	1.76	0.96	0.55	260	247	
	0	0.60	0.94	1.57	2.86	5.68	11.5	21.7	34.7	44.6	45.9	38.4	26.0	14.7	7.38	3.53	1.74	0.94	0.54	263	251	
	-5	0.56	0.87	1.44	2.61	5.14	10.3	18.9	28.6	35.7	36.5	30.4	21.0	12.2	6.28	3.11	1.59	0.88	0.51	217	203	
	-10	0.50	0.76	1.23	2.16	4.04	7.57	12.8	18.7	23.4	23.9	19.9	14.1	8.59	4.71	2.49	1.34	0.78	0.47	148	133	
	-15	0.43	0.64	0.99	1.63	2.80	4.75	7.54	10.7	13.1	13.3	11.3	8.28	5.35	3.19	1.85	1.08	0.66	0.42	88.1	71.1	
	-20	0.36	0.52	0.77	1.18	1.84	2.82	4.11	5.57	6.62	6.74	5.88	4.49	3.14	2.05	1.31	0.84	0.55	0.36	49.1	24.8	
	-25	0.29	0.41	0.59	0.85	1.21	1.68	2.26	2.87	3.28	3.34	3.01	2.43	1.84	1.32	0.93	0.65	0.45	0.30	27.7	0.00	
	-30	0.24	0.33	0.46	0.62	0.82	1.06	1.33	1.57	1.74	1.76	1.63	1.40	1.13	0.88	0.67	0.49	0.36	0.25	16.7	0.00	
	-35	0.19	0.26	0.35	0.46	0.58	0.71	0.84	0.95	1.02	1.03	0.98	0.88	0.74	0.61	0.49	0.38	0.28	0.21	11.0	0.00	
	-40	0.16	0.21	0.27	0.34	0.42	0.50	0.57	0.63	0.66	0.67	0.64	0.59	0.52	0.44	0.36	0.29	0.22	0.17	7.63	0.00	
	-45	-40	-35	-30	-25	-20	-15	-10	HORIZONTAL (DEG)				10	15	20	25	30	35	40	45		
F t	7.36	10.9	16.6	26.7	46.1	82.3	140	211	265	270	226	158	96.1	54.5	30.7	18.0	11.2	7.14	1677	---		
F a	0.00	0.00	0.00	0.00	19.3	63.2	123	195	249	255	210	141	78.0	31.6	1.67	0.00	0.00	0.00	---	1368		

one-half-peak spread: U:13.1,D:12.3 , L:12.6,R:12.9

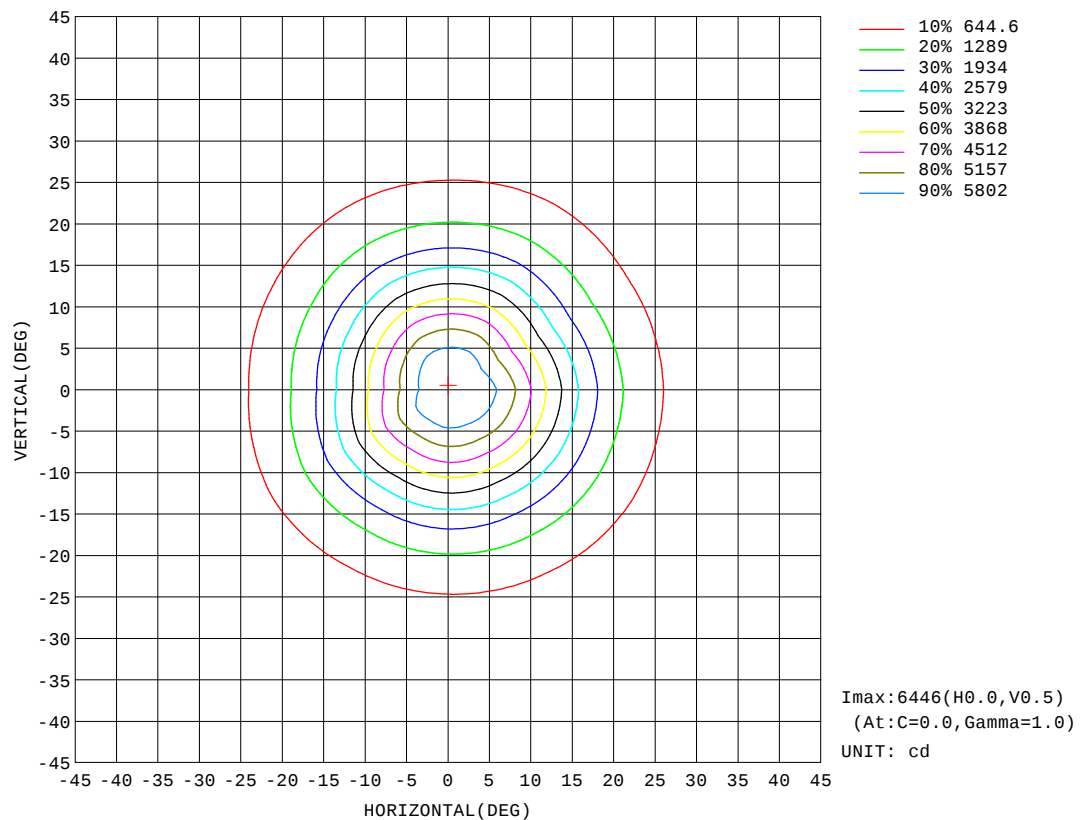
NEMA Beam Type: Type 4

H_(b) Range: -90 - 90DEG
 H_(b) Interval: 0.5DEG
 Test Speed: LOW
 Temperature: 25.3DEG
 Operators: Fan
 Test Date: 2023-05-04

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-3000K-25D-Rev1	TYPE: 3000K	WEIGHT:
SPEC.: 25 DEG	DIM.: 510mm	SERIAL No.: IES000997
MFR.:	SUR.:	Shielding Angle:

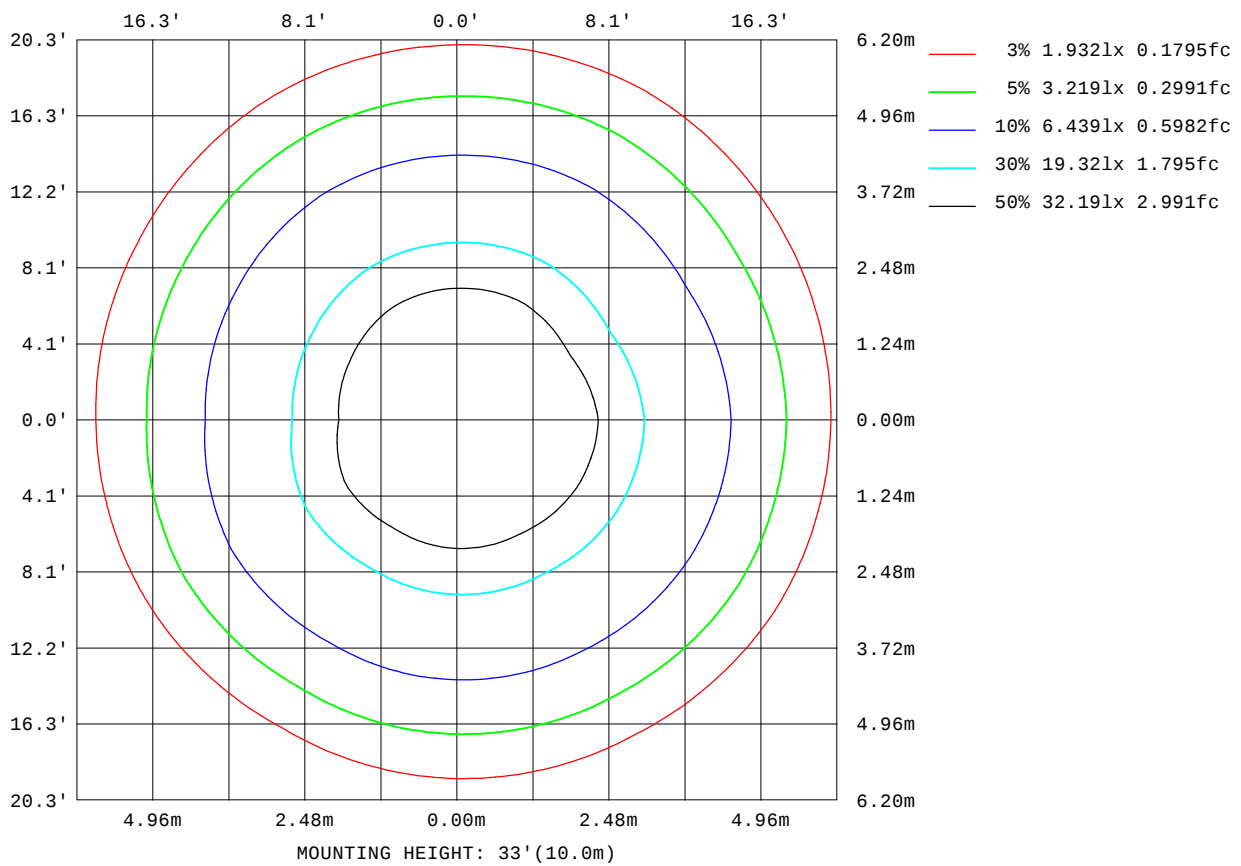


H_(b) Range: -90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: LOW
Temperature: 25.3DEG
Operators: Fan
Test Date: 2023-05-04

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

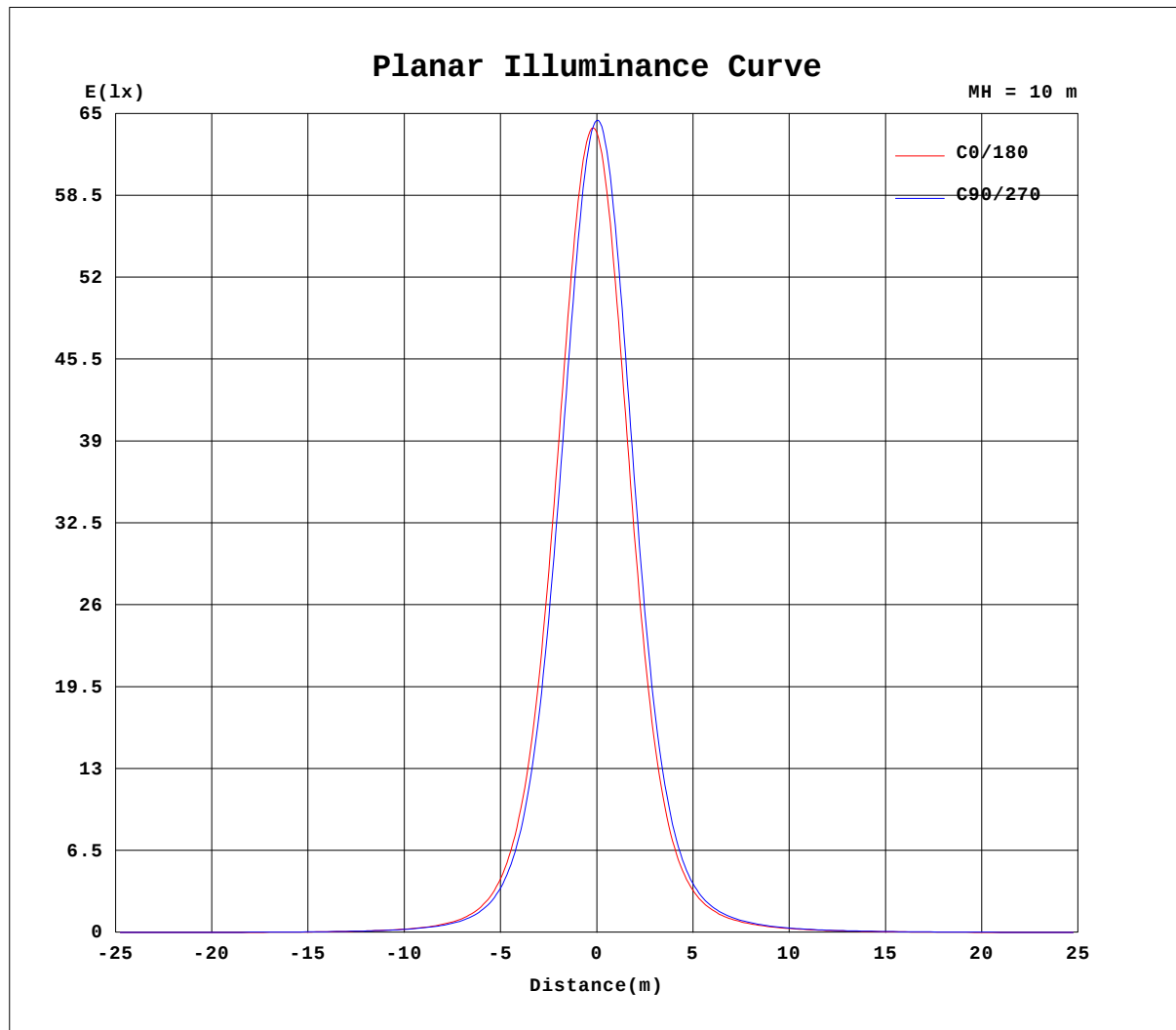
NAME: Medusa-510mm-3000K-25D-Rev1	TYPE: 3000K	WEIGHT:
SPEC.: 25 DEG	DIM.: 510mm	SERIAL No.: IES000997
MFR.:	SUR.:	Shielding Angle:



H_b Range: -90 - 90DEG
H_b Interval: 0.5DEG
Test Speed: LOW
Temperature: 25.3DEG
Operators: Fan
Test Date: 2023-05-04

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

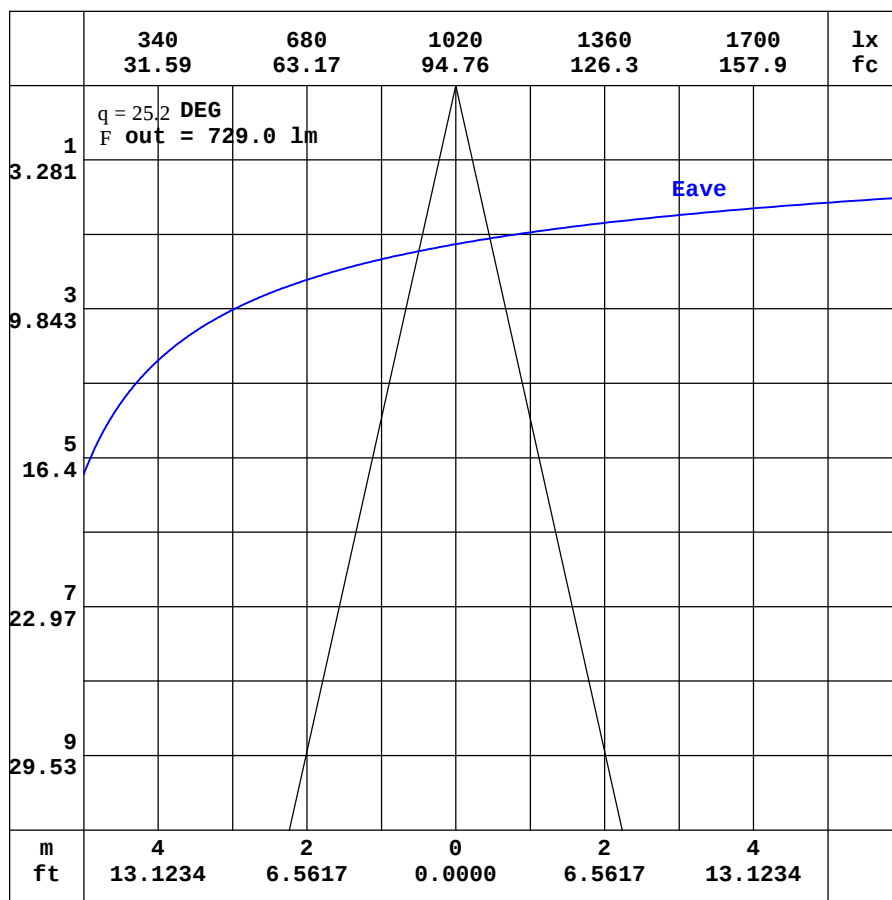


$H(b)$ Range: -90 - 90DEG
 $H(b)$ Interval: 0.5DEG
Test Speed: LOW
Temperature: 25.3DEG
Operators: Fan
Test Date: 2023-05-04

$V(B)$ 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-3000K-25D-Rev1	TYPE: 3000K	WEIGHT:
SPEC.: 25 DEG	DIM.: 510mm	SERIAL No.: IES000997
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: 2023-05-04

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-3000K-25D-Rev1	TYPE: 3000K	WEIGHT:
SPEC.: 25 DEG	DIM.: 510mm	SERIAL No.: IES000997
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	6.60	6.13	5.62	5.41	5.48	5.91	6.81	8.19	9.90	11.7	13.1	14.2	14.8	15.1	15.1	14.9	14.5	14.0	14.2
-170	6.60	6.05	5.49	5.22	5.18	5.39	5.91	6.76	7.78	8.82	9.70	10.3	10.7	10.9	11.0	11.3	12.1	12.7	13.2
-160	6.60	5.98	5.39	5.04	4.89	4.88	5.00	5.28	5.62	5.91	6.08	6.16	6.31	7.62	8.87	10.00	10.9	11.4	11.6
-150	6.60	5.94	5.33	4.88	4.66	4.45	4.26	4.08	3.87	3.53	3.21	3.82	4.66	5.59	6.51	7.35	7.94	8.32	8.44
-140	6.60	5.91	5.28	4.80	4.47	4.16	3.82	3.38	2.81	2.58	2.65	2.86	3.19	3.62	4.09	4.50	4.82	5.03	5.09
-130	6.60	5.89	5.25	4.74	4.33	4.00	3.62	3.15	2.82	2.66	2.56	2.52	2.50	2.52	2.62	2.72	2.81	2.87	2.88
-120	6.60	5.89	5.24	4.71	4.27	3.88	3.54	3.23	3.15	3.03	2.92	2.81	2.70	2.62	2.54	2.49	2.44	2.41	2.39
-110	6.60	5.89	5.25	4.68	4.20	3.78	3.41	3.29	3.29	3.28	3.27	3.24	3.20	3.15	3.09	3.05	3.00	2.97	2.95
-100	6.60	5.90	5.26	4.66	4.10	3.58	3.10	3.10	3.14	3.16	3.18	3.19	3.19	3.20	3.20	3.20	3.20	3.19	3.19
-90	6.60	5.94	5.28	4.63	3.97	3.32	2.66	2.65	2.64	2.63	2.62	2.61	2.60	2.58	2.57	2.56	2.54	2.53	2.51
-80	6.60	6.00	5.37	4.71	4.03	3.28	2.49	2.43	2.48	2.55	2.64	2.75	2.85	2.98	3.11	3.23	3.33	3.41	3.45
-70	6.60	6.10	5.62	5.07	4.47	3.97	3.63	3.97	4.63	5.36	6.13	6.93	7.69	8.46	9.18	9.81	10.3	10.7	10.9
-60	6.60	6.24	5.97	5.61	5.44	5.58	6.07	7.21	8.90	10.7	12.7	14.8	16.9	18.8	20.7	22.2	23.5	24.4	24.8
-50	6.60	6.44	6.36	6.34	6.70	7.61	9.44	11.7	14.6	18.1	22.0	26.1	30.5	34.9	39.2	43.1	46.3	48.6	49.6
-40	6.60	6.66	6.80	7.14	8.02	10.2	13.7	17.8	21.9	27.4	34.6	43.2	53.0	63.8	74.9	86.5	96.6	104	108
-30	6.60	6.87	7.24	7.91	9.27	13.2	18.9	25.0	32.0	41.0	52.5	70.2	92.9	122	159	203	252	294	312
-20	6.60	7.07	7.66	8.57	11.0	16.7	23.8	32.8	44.2	60.2	81.2	112	163	253	399	613	877	1140	1263
-10	6.60	7.26	8.03	9.09	12.4	19.3	28.3	39.5	57.1	79.1	112	165	266	472	901	1659	2646	3570	4083
0	6.60	7.42	8.35	9.46	13.1	21.1	31.0	44.9	65.3	91.5	131	194	316	568	1111	2144	3720	5392	6350
10	6.60	7.41	8.40	9.77	13.6	21.0	30.9	43.3	62.7	87.1	123	180	279	469	854	1551	2607	3709	4198
20	6.60	7.37	8.38	9.87	13.1	19.9	28.7	39.8	54.1	74.1	101	139	196	284	427	650	942	1201	1317
30	6.60	7.30	8.26	9.73	12.2	17.6	25.2	33.9	44.4	57.8	74.7	96.6	124	160	202	253	306	345	362
40	6.60	7.19	8.06	9.34	11.4	15.2	20.7	27.5	34.8	43.2	53.0	64.5	77.6	92.3	108	122	135	144	148
50	6.60	7.06	7.80	8.77	10.4	12.8	16.5	21.1	25.8	30.9	36.3	42.3	48.4	54.8	60.6	65.7	69.9	72.7	73.9
60	6.60	6.92	7.49	8.13	9.14	10.7	12.8	15.4	18.0	20.7	23.6	26.6	29.8	32.6	35.0	37.1	38.7	39.8	40.4
70	6.60	6.81	7.15	7.56	8.03	8.69	9.66	10.7	11.9	13.1	14.3	15.6	16.9	17.9	18.9	19.8	20.4	20.9	21.1
80	6.60	6.72	6.86	7.04	7.24	7.46	7.68	7.90	8.13	8.39	8.68	9.00	9.31	9.57	9.81	10.0	10.2	10.3	10.4
90	6.60	6.63	6.66	6.70	6.73	6.76	6.80	6.79	6.78	6.77	6.77	6.76	6.75	6.74	6.74	6.73	6.73	6.73	6.72
100	6.60	6.55	6.49	6.43	6.34	6.27	6.19	6.10	6.02	5.93	5.86	5.80	5.74	5.70	5.66	5.63	5.61	5.60	5.59
110	6.60	6.48	6.32	6.15	5.99	5.85	5.74	5.63	5.53	5.46	5.39	5.36	5.34	5.32	5.30	5.29	5.28	5.25	5.23
120	6.60	6.41	6.15	5.90	5.70	5.56	5.49	5.44	5.41	5.43	5.52	5.63	5.77	5.90	6.04	6.16	6.24	6.29	6.28
130	6.60	6.33	5.99	5.70	5.51	5.44	5.43	5.52	5.74	6.08	6.49	6.97	7.48	7.98	8.46	8.87	9.19	9.37	9.42
140	6.60	6.27	5.86	5.56	5.44	5.43	5.60	5.99	6.60	7.39	8.30	9.28	10.2	11.1	11.9	12.5	12.9	13.1	13.2
150	6.60	6.21	5.76	5.46	5.42	5.54	5.96	6.70	7.75	9.02	10.4	11.6	12.8	13.7	14.4	15.0	15.3	15.5	15.5
160	6.60	6.16	5.68	5.43	5.43	5.71	6.36	7.43	8.85	10.4	12.0	13.3	14.3	15.0	15.5	15.9	16.2	16.3	16.4
170	6.60	6.14	5.64	5.42	5.46	5.85	6.68	7.98	9.61	11.3	12.9	14.1	14.8	15.3	15.6	15.6	15.5	15.4	15.8
180	6.60	6.13	5.62	5.41	5.48	5.91	6.81	8.19	9.90	11.7	13.1	14.2	14.8	15.1	15.1	14.9	14.5	14.0	14.2

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

Test Speed: LOW

Temperature: 25.3DEG

Operators: Fan

Test Date: 2023-05-04

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-3000K-25D-Rev1	TYPE: 3000K	WEIGHT:
SPEC.: 25 DEG	DIM.: 510mm	SERIAL No.: IES000997
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	12.7	11.9	11.2	10.1	8.87	7.46	6.02	4.69	3.59	2.85	2.56	2.62	2.84	3.10	3.19	3.17	2.87	2.32
-170	12.6	12.0	11.1	9.99	8.69	7.25	5.83	4.54	3.50	2.81	2.57	2.63	2.87	3.11	3.19	3.17	2.87	2.32
-160	11.3	10.7	9.83	8.72	7.48	6.21	5.00	3.95	3.15	2.68	2.58	2.69	2.93	3.15	3.20	3.16	2.86	2.32
-150	8.28	7.87	7.25	6.43	5.52	4.63	3.83	3.20	2.77	2.60	2.61	2.79	3.03	3.20	3.21	3.14	2.84	2.32
-140	5.01	4.79	4.46	4.04	3.59	3.18	2.84	2.64	2.59	2.61	2.77	2.97	3.15	3.22	3.21	3.07	2.80	2.32
-130	2.87	2.81	2.72	2.62	2.54	2.52	2.53	2.58	2.70	2.85	3.01	3.15	3.22	3.23	3.19	2.99	2.74	2.32
-120	2.42	2.45	2.51	2.57	2.64	2.73	2.83	2.94	3.05	3.15	3.22	3.25	3.25	3.22	3.08	2.90	2.65	2.32
-110	2.97	3.01	3.05	3.09	3.14	3.20	3.23	3.24	3.26	3.26	3.27	3.25	3.18	3.06	2.93	2.79	2.56	2.32
-100	3.19	3.19	3.19	3.19	3.18	3.17	3.16	3.14	3.11	3.08	3.05	2.99	2.92	2.84	2.72	2.60	2.46	2.32
-90	2.52	2.53	2.53	2.54	2.55	2.56	2.56	2.57	2.57	2.58	2.58	2.59	2.54	2.50	2.45	2.41	2.36	2.32
-80	3.44	3.40	3.33	3.24	3.13	3.01	2.91	2.80	2.70	2.60	2.51	2.42	2.36	2.31	2.28	2.26	2.27	2.32
-70	10.8	10.5	10.1	9.51	8.85	8.13	7.37	6.58	5.79	5.04	4.33	3.60	2.85	2.39	2.20	2.20	2.21	2.32
-60	24.6	23.9	22.8	21.3	19.7	17.7	15.6	13.5	11.5	9.60	7.85	5.63	3.90	2.80	2.25	2.12	2.18	2.32
-50	49.0	47.2	44.3	40.6	36.5	32.1	27.6	23.3	19.3	15.7	12.1	8.24	5.06	3.28	2.36	2.06	2.14	2.32
-40	106	99.3	89.9	78.8	67.4	56.2	46.0	37.0	29.4	22.7	16.6	11.2	6.75	3.59	2.39	2.00	2.11	2.32
-30	302	265	218	172	133	100	75.9	56.8	42.0	30.3	21.5	14.5	8.40	3.89	2.29	1.93	2.07	2.32
-20	1188	947	681	450	287	182	121	82.6	57.7	38.9	26.1	16.7	10.0	4.42	2.03	1.81	2.04	2.32
-10	3733	2874	1861	1057	561	302	173	108	71.1	46.8	28.8	18.3	10.8	4.36	1.63	1.67	2.01	2.32
0	5996	4540	2813	1496	744	372	202	120	77.0	51.1	29.4	18.4	10.9	3.90	1.15	1.53	2.00	2.32
10	3856	2806	1721	987	548	311	188	120	79.0	51.6	32.6	20.9	12.6	5.48	2.31	2.05	2.17	2.32
20	1241	1005	708	469	312	213	148	102	69.3	48.6	33.0	21.5	13.3	6.54	3.34	2.54	2.34	2.32
30	352	318	269	215	170	133	103	75.5	57.8	42.7	30.4	20.9	12.8	6.80	4.12	2.96	2.51	2.32
40	146	138	126	112	96.2	79.7	66.0	55.4	45.1	35.6	26.3	18.2	11.8	7.02	4.60	3.27	2.65	2.32
50	73.2	70.9	67.1	62.3	56.6	50.1	43.7	37.7	32.1	27.0	21.5	15.4	10.3	6.97	4.81	3.51	2.77	2.32
60	40.0	39.1	37.6	35.7	33.5	30.6	27.6	24.5	21.5	18.7	16.2	12.4	9.00	6.55	4.80	3.67	2.86	2.32
70	21.0	20.7	20.1	19.3	18.4	17.3	16.1	14.8	13.5	12.3	11.1	9.69	7.63	5.97	4.73	3.75	2.93	2.32
80	10.3	10.3	10.1	9.97	9.76	9.53	9.24	8.92	8.60	8.30	8.03	7.71	6.59	5.57	4.63	3.77	2.99	2.32
90	6.73	6.73	6.74	6.75	6.76	6.76	6.77	6.77	6.78	6.78	6.78	6.79	6.04	5.30	4.55	3.81	3.06	2.32
100	5.59	5.60	5.62	5.64	5.67	5.71	5.77	5.83	5.91	5.98	6.06	6.11	5.63	5.11	4.51	3.85	3.12	2.32
110	5.24	5.25	5.25	5.26	5.26	5.27	5.29	5.32	5.38	5.47	5.57	5.55	5.24	4.86	4.41	3.88	3.16	2.32
120	6.26	6.19	6.08	5.95	5.79	5.65	5.52	5.41	5.33	5.32	5.35	5.15	4.89	4.63	4.28	3.82	3.18	2.32
130	9.34	9.12	8.76	8.33	7.81	7.29	6.78	6.30	5.90	5.59	5.24	4.89	4.62	4.38	4.14	3.74	3.19	2.32
140	13.1	12.8	12.4	11.7	10.9	10.0	9.05	8.05	7.14	6.16	5.21	4.65	4.36	4.15	3.96	3.66	3.16	2.32
150	15.4	15.2	14.9	14.3	13.6	12.6	11.5	10.1	8.03	6.27	5.07	4.38	4.06	3.93	3.77	3.57	3.11	2.32
160	16.3	16.2	15.9	15.5	14.9	14.2	12.1	9.70	7.52	5.77	4.61	3.96	3.71	3.67	3.58	3.45	3.04	2.32
170	15.6	15.6	15.6	14.6	13.1	11.4	9.56	7.68	5.95	4.57	3.73	3.35	3.29	3.38	3.38	3.31	2.96	2.32
180	12.7	11.9	11.2	10.1	8.87	7.46	6.02	4.69	3.59	2.85	2.56	2.62	2.84	3.10	3.19	3.17	2.87	2.32

H_(b) Range: -90 - 90DEG
 H_(b) Interval: 0.5DEG
 Test Speed: LOW
 Temperature: 25.3DEG
 Operators: Fan
 Test Date: 2023-05-04

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: