

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	2220.3 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	65.3V x 64.8H
	At 50% of Imax	35.0V x 34.8H
	At 90% of Imax	14.1V x 14.2H

Beam Flux	Total	1000.0 lumens per klm.
	To 10% of Imax	833.1 lumens per klm.
	To 50% of Imax	462.8 lumens per klm.
	To 90% of Imax	100.3 lumens per klm.

Upward LOR	2.3 %
Downward LOR	97.7 %

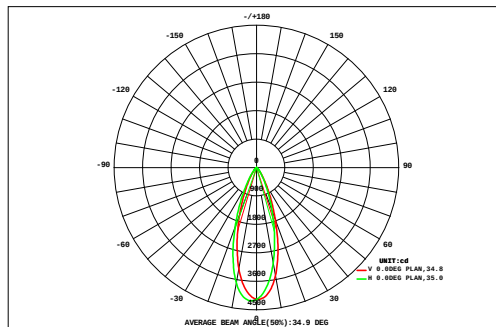
Luminaire Efficiency(Light Output Ratio)	100.0 %
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H_(b) Range:-90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:Fan
Test Date:2023-05-05

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-35D-Rev1	TYPE: 3000K	WEIGHT:
SPEC.: 35 DEG	DIM.: 510mm	SERIAL No.: IES000998
MFR.:	SUR.:	Shielding Angle:



DATA OF LAMP		Eff: 101.31lm/W	
MODEL		Imax(cd)	4265
NOMINAL POWER(W)	18.96	AVAILABILITY(%)	83.2
RATED VOLTAGE(V)	24	Avai. FLUX(lm)	1598
NOMINAL FLUX(lm)	1921	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	1921
TEST VOLTAGE(V)	24	q @50%(H,V)	35,35DEG

		AREA FLUX DIAGRAM															UNIT:lm				F t	F a					
		0.21	0.28	0.37	0.48	0.59	0.72	0.83	0.93	0.98	0.98	0.92	0.82	0.70	0.58	0.46	0.35	0.27	0.20	10.7	0.00						
VERTICAL (DEG)	45	0.26	0.37	0.50	0.67	0.88	1.10	1.32	1.51	1.62	1.61	1.49	1.30	1.07	0.84	0.64	0.47	0.34	0.24	16.2	0.00						
	40	0.33	0.48	0.69	0.97	1.32	1.74	2.20	2.58	2.80	2.78	2.55	2.15	1.69	1.26	0.91	0.63	0.43	0.30	25.8	1.91						
	35	0.40	0.61	0.93	1.39	2.03	2.83	3.70	4.49	4.95	4.94	4.45	3.64	2.73	1.92	1.30	0.87	0.55	0.35	42.1	26.4						
	30	0.48	0.78	1.25	1.98	3.06	4.49	6.11	7.60	8.50	8.50	7.58	6.04	4.34	2.89	1.84	1.15	0.71	0.41	67.7	56.4						
	25	0.57	0.96	1.62	2.72	4.44	6.81	9.52	12.0	13.6	13.5	12.0	9.38	6.55	4.17	2.52	1.50	0.87	0.49	103	93.7						
	20	0.65	1.13	2.01	3.55	6.03	9.51	13.6	17.5	19.8	19.7	17.4	13.3	9.10	5.75	3.42	1.92	1.05	0.56	146	138						
	15	0.71	1.28	2.36	4.30	7.50	12.1	17.5	22.7	25.8	25.8	22.5	17.2	12.0	7.64	4.39	2.34	1.20	0.61	188	180						
	-15	0.75	1.36	2.57	4.78	8.45	13.8	20.3	26.2	29.8	30.1	26.7	21.2	14.9	9.21	5.16	2.66	1.31	0.64	220	213						
		0.75	1.39	2.67	5.03	9.00	14.9	21.9	28.4	31.8	31.4	28.5	22.8	15.9	9.78	5.42	2.75	1.33	0.64	234	227						
		0.72	1.35	2.61	4.96	8.95	14.8	21.7	27.0	29.7	29.5	26.4	21.1	14.9	9.17	5.07	2.59	1.27	0.62	223	216						
		0.66	1.22	2.33	4.40	7.89	12.6	17.6	22.0	24.7	24.6	21.7	17.3	12.3	7.70	4.29	2.23	1.12	0.56	185	178						
		0.57	1.03	1.92	3.51	5.96	9.20	12.7	16.0	18.1	18.1	15.8	12.5	8.94	5.70	3.30	1.78	0.93	0.49	137	129						
		0.47	0.82	1.44	2.49	4.05	6.12	8.39	10.5	11.9	11.8	10.4	8.19	5.90	3.85	2.33	1.32	0.73	0.40	91.1	81.7						
		0.36	0.61	1.02	1.66	2.58	3.76	5.08	6.28	7.04	7.01	6.18	4.93	3.60	2.44	1.54	0.93	0.55	0.32	55.9	43.8						
		0.27	0.44	0.70	1.07	1.57	2.19	2.88	3.49	3.87	3.85	3.43	2.79	2.09	1.48	0.99	0.64	0.40	0.24	32.4	13.0						
	-30	0.20	0.31	0.47	0.68	0.94	1.26	1.59	1.89	2.07	2.05	1.85	1.54	1.20	0.89	0.63	0.43	0.28	0.18	18.4	0.00						
-35	0.14	0.21	0.31	0.43	0.56	0.73	0.89	1.03	1.11	1.10	1.01	0.86	0.69	0.53	0.40	0.29	0.20	0.13	10.6	0.00							
-40	-45	-40	-35	-30	-25	-20	-15	-10	HORIZONTAL (DEG)											10	15	20	25	30	35	40	45
-45	F t	8.51	14.6	25.8	45.0	75.8	119	168	212	238	238	211	167	119	75.8	44.6	24.9	13.5	7.38	1807	---						
	F a	0.00	0.00	4.83	31.3	64.7	109	159	203	230	229	202	158	108	64.4	30.9	4.84	0.00	0.00	---	1598						

one-half-peak spread: U:17.0,D:18.2 , L:17.4,R:17.7

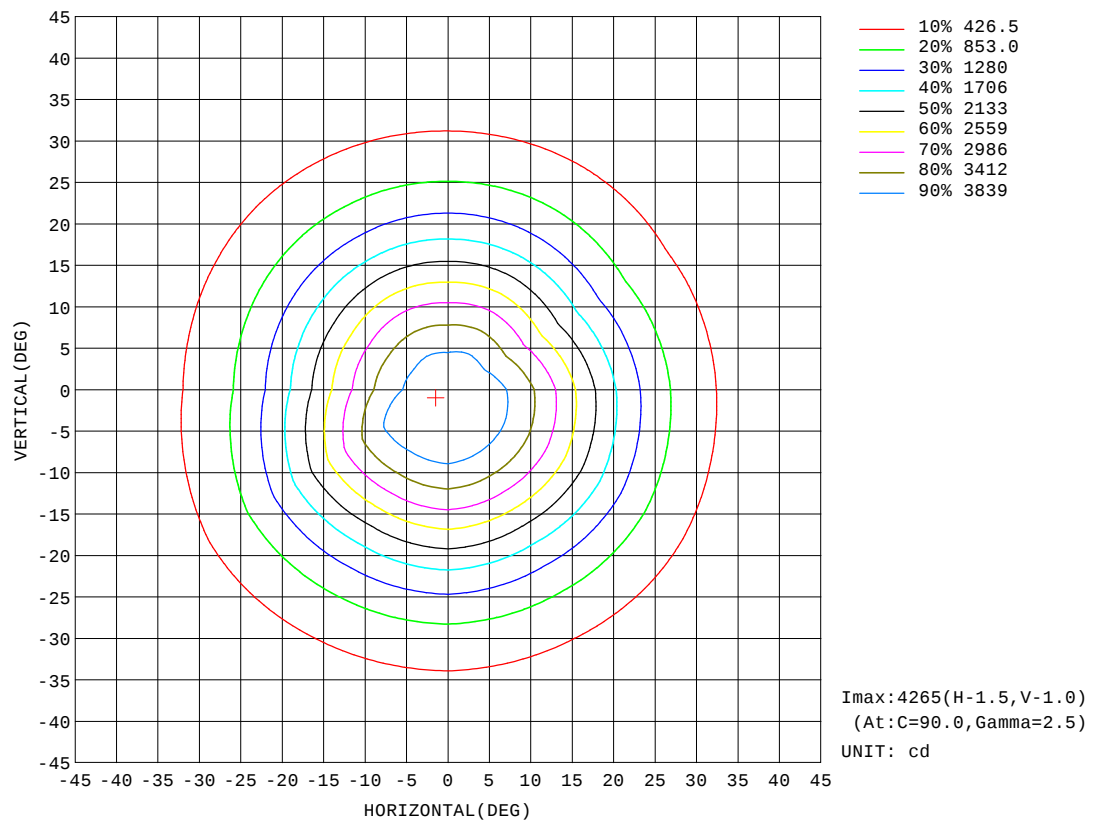
NEMA Beam Type: Type 4

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

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-35D-Rev1	TYPE: 3000K	WEIGHT:
SPEC.: 35 DEG	DIM.: 510mm	SERIAL No.: IES000998
MFR.:	SUR.:	Shielding Angle:

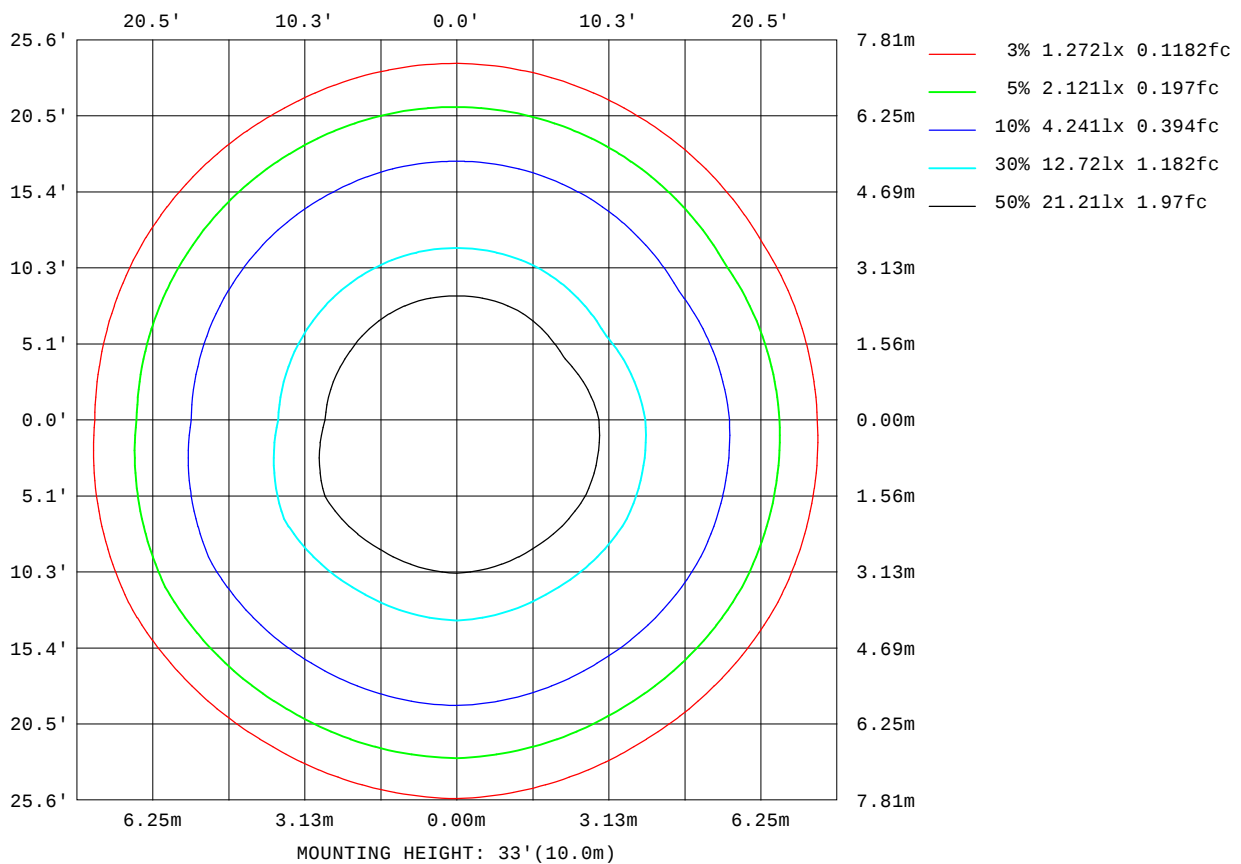


H_(b) Range: -90 - 90DEG
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Test Speed: LOW
Temperature: 25.3DEG
Operators: Fan
Test Date: 2023-05-05

V(B) Range: -180 - 180DEG
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Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 8.630m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

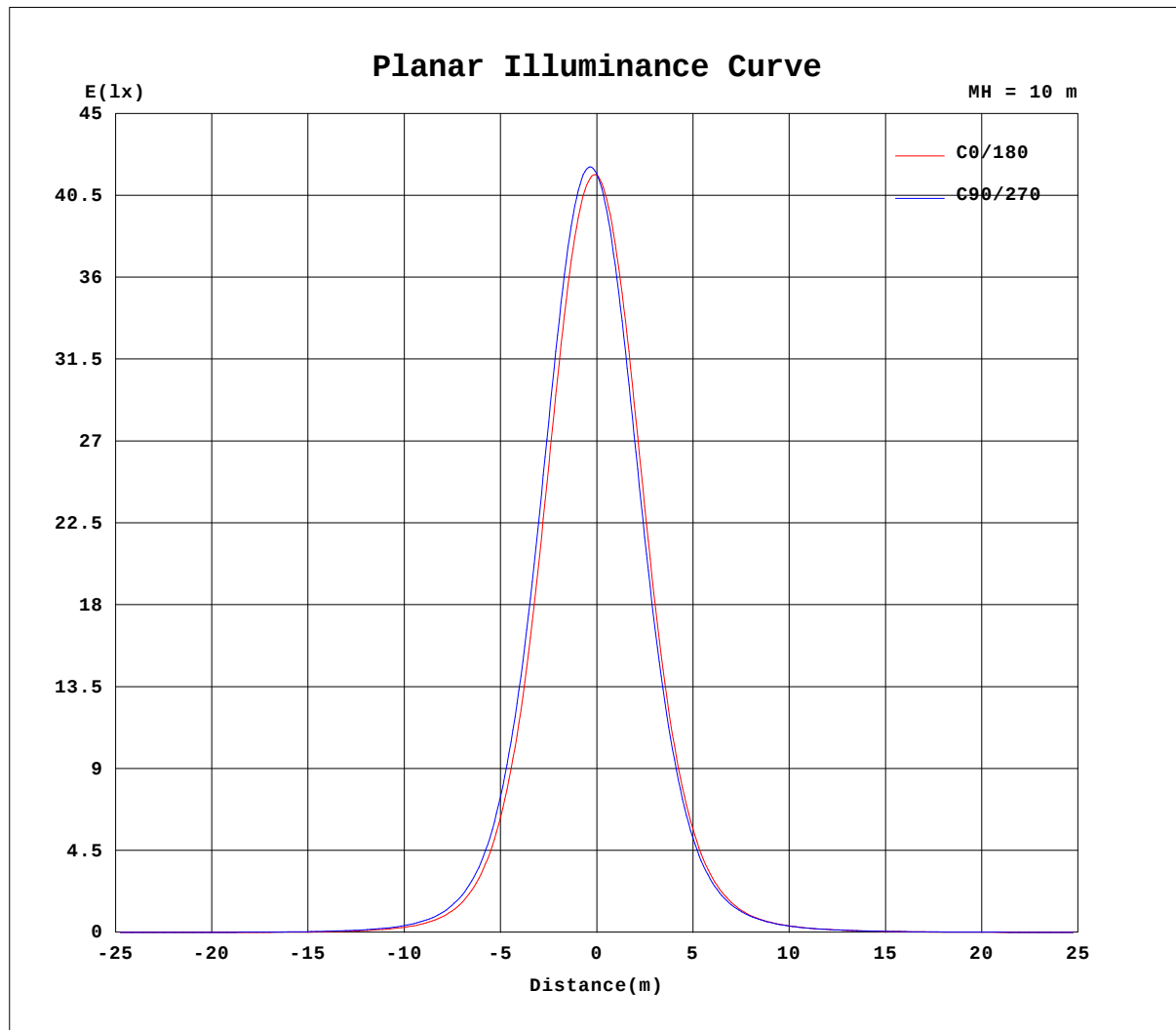
NAME: Medusa-510mm-3000K-35D-Rev1	TYPE: 3000K	WEIGHT:
SPEC.: 35 DEG	DIM.: 510mm	SERIAL No.: IES000998
MFR.:	SUR.:	Shielding Angle:



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 G0-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 8.630m [K=1.0000]
Remarks:

Planar Illuminance Curve

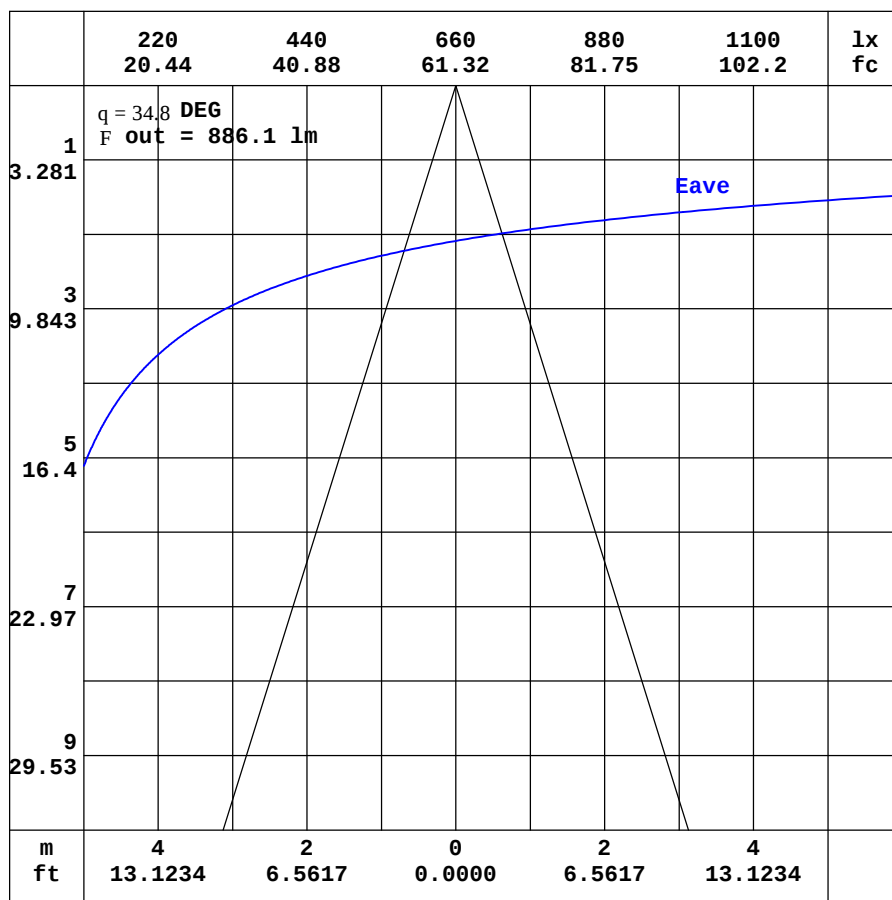


H_b Range: -90 - 90DEG
H_b Interval: 0.5DEG
Test Speed: LOW
Temperature: 25.3DEG
Operators: Fan
Test Date: 2023-05-05

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-35D-Rev1	TYPE: 3000K	WEIGHT:
SPEC.: 35 DEG	DIM.: 510mm	SERIAL No.: IES000998
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 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-35D-Rev1	TYPE: 3000K	WEIGHT:
SPEC.: 35 DEG	DIM.: 510mm	SERIAL No.: IES000998
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	6.96	6.47	6.03	5.93	6.13	6.68	7.64	8.92	10.4	12.0	13.4	14.6	15.5	16.0	16.1	15.9	15.7	15.3	15.1
-170	6.96	6.36	5.86	5.68	5.73	6.05	6.65	7.43	8.31	9.17	9.92	10.5	10.9	11.0	10.9	11.1	12.1	12.8	13.3
-160	6.96	6.27	5.71	5.43	5.33	5.40	5.62	5.89	6.16	6.32	6.35	6.27	6.24	7.42	8.56	9.59	10.4	10.9	11.1
-150	6.96	6.20	5.59	5.20	4.98	4.83	4.72	4.60	4.36	3.97	3.59	4.11	4.81	5.59	6.38	7.12	7.66	8.01	8.13
-140	6.96	6.15	5.49	5.02	4.68	4.37	4.07	3.69	3.19	2.97	3.08	3.28	3.56	3.91	4.31	4.66	4.95	5.13	5.19
-130	6.96	6.13	5.42	4.87	4.44	4.06	3.65	3.21	2.94	2.92	2.91	2.90	2.92	2.98	3.08	3.18	3.27	3.33	3.34
-120	6.96	6.13	5.39	4.77	4.26	3.83	3.40	3.06	3.04	3.01	2.98	2.94	2.91	2.88	2.86	2.85	2.84	2.83	2.82
-110	6.96	6.12	5.37	4.71	4.12	3.61	3.15	3.03	3.05	3.04	3.04	3.03	3.02	3.01	3.00	2.98	2.96	2.94	2.92
-100	6.96	6.15	5.39	4.68	4.00	3.37	2.79	2.78	2.80	2.83	2.85	2.86	2.87	2.87	2.89	2.89	2.90	2.90	2.89
-90	6.96	6.21	5.46	4.70	3.95	3.20	2.45	2.44	2.43	2.43	2.42	2.41	2.41	2.40	2.39	2.38	2.37	2.36	2.35
-80	6.96	6.31	5.62	4.90	4.15	3.37	2.55	2.55	2.63	2.72	2.81	2.91	3.01	3.09	3.17	3.24	3.30	3.34	3.37
-70	6.96	6.44	5.90	5.32	4.71	4.08	3.45	3.50	3.88	4.31	4.77	5.26	5.76	6.25	6.70	7.06	7.36	7.57	7.67
-60	6.96	6.60	6.28	5.92	5.55	5.25	5.03	5.18	6.19	7.38	8.76	10.4	12.2	14.0	15.7	17.3	18.6	19.5	20.0
-50	6.96	6.81	6.72	6.62	6.62	6.80	7.35	8.10	9.97	13.1	17.3	22.4	28.4	34.7	41.5	48.3	54.3	58.7	60.9
-40	6.96	7.03	7.19	7.41	7.85	8.90	10.7	13.3	17.2	24.6	35.5	49.9	68.0	89.8	115	144	170	189	197
-30	6.96	7.25	7.67	8.23	9.15	11.5	15.3	20.7	29.8	45.1	68.9	106	159	236	336	452	568	658	695
-20	6.96	7.46	8.13	9.03	10.8	14.5	20.1	29.3	45.3	72.1	117	196	340	557	862	1226	1570	1868	2004
-10	6.96	7.66	8.56	9.74	12.3	17.2	24.7	36.8	59.6	95.1	159	283	516	923	1553	2334	3024	3506	3706
0	6.96	7.83	8.93	10.3	13.3	19.3	27.4	41.9	66.4	104	171	302	536	941	1561	2386	3246	3887	4162
10	6.96	7.82	8.94	10.4	13.4	18.9	26.9	39.5	62.2	95.7	153	257	442	751	1214	1795	2419	2911	3058
20	6.96	7.77	8.87	10.4	12.9	17.8	24.5	34.7	51.0	76.1	114	176	274	424	636	896	1161	1367	1439
30	6.96	7.70	8.71	10.1	12.1	15.9	21.4	28.5	38.8	54.2	75.4	105	145	198	265	342	416	470	489
40	6.96	7.59	8.48	9.66	11.4	14.0	17.7	22.6	28.5	36.5	46.9	59.7	74.9	92.3	111	130	147	160	164
50	6.96	7.46	8.19	9.11	10.4	12.2	14.6	17.6	20.9	24.6	29.0	34.3	40.1	46.3	52.1	57.4	61.8	64.6	65.6
60	6.96	7.32	7.86	8.50	9.34	10.5	11.9	13.6	15.2	17.0	18.9	20.9	23.0	25.0	26.7	28.2	29.4	30.2	30.4
70	6.96	7.20	7.51	7.90	8.35	8.91	9.62	10.3	11.1	11.8	12.6	13.3	14.1	14.7	15.3	15.8	16.1	16.3	16.3
80	6.96	7.08	7.21	7.37	7.54	7.73	7.93	8.12	8.30	8.49	8.68	8.86	9.03	9.16	9.28	9.37	9.42	9.45	9.44
90	6.96	6.97	6.97	6.98	6.98	6.99	6.99	6.97	6.94	6.92	6.90	6.87	6.85	6.84	6.83	6.82	6.81	6.80	6.79
100	6.96	6.87	6.78	6.70	6.59	6.51	6.42	6.34	6.25	6.18	6.11	6.05	6.00	5.98	5.96	5.94	5.93	5.92	5.92
110	6.96	6.79	6.61	6.44	6.28	6.16	6.07	6.00	5.94	5.92	5.91	5.91	5.93	5.96	5.99	6.01	6.04	6.05	6.05
120	6.96	6.72	6.45	6.22	6.06	5.97	5.95	5.95	6.01	6.17	6.36	6.59	6.82	7.06	7.30	7.50	7.65	7.76	7.80
130	6.96	6.63	6.32	6.07	5.95	5.95	6.02	6.27	6.64	7.09	7.63	8.21	8.78	9.34	9.85	10.3	10.6	10.8	10.9
140	6.96	6.57	6.20	5.98	5.94	6.04	6.37	6.91	7.63	8.49	9.41	10.4	11.3	12.1	12.8	13.4	13.8	14.1	14.2
150	6.96	6.52	6.13	5.94	5.97	6.25	6.82	7.66	8.73	9.95	11.2	12.3	13.4	14.3	15.1	15.7	16.0	16.2	16.3
160	6.96	6.49	6.07	5.93	6.04	6.47	7.25	8.35	9.68	11.1	12.5	13.8	14.8	15.6	16.1	16.5	16.7	16.7	16.9
170	6.96	6.47	6.04	5.93	6.10	6.63	7.54	8.80	10.3	11.8	13.3	14.5	15.4	15.9	16.1	16.1	16.0	15.9	16.1
180	6.96	6.47	6.03	5.93	6.13	6.68	7.64	8.92	10.4	12.0	13.4	14.6	15.5	16.0	16.1	15.9	15.7	15.3	15.1

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 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-35D-Rev1	TYPE: 3000K	WEIGHT:
SPEC.: 35 DEG	DIM.: 510mm	SERIAL No.: IES000998
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	13.9	12.9	12.0	10.8	9.55	8.13	6.68	5.38	4.29	3.50	3.03	2.88	2.89	2.95	2.95	2.90	2.68	2.26
-170	12.8	12.2	11.4	10.3	9.07	7.70	6.35	5.13	4.13	3.42	3.01	2.88	2.90	2.95	2.95	2.90	2.68	2.26
-160	10.9	10.5	9.73	8.77	7.67	6.53	5.45	4.49	3.73	3.22	2.95	2.89	2.91	2.96	2.96	2.90	2.66	2.26
-150	8.04	7.73	7.22	6.53	5.77	5.01	4.30	3.73	3.29	3.01	2.91	2.90	2.94	2.97	2.96	2.87	2.65	2.26
-140	5.15	5.00	4.73	4.39	4.02	3.66	3.35	3.12	2.98	2.92	2.91	2.93	2.98	2.98	2.95	2.82	2.63	2.26
-130	3.34	3.29	3.21	3.11	3.02	2.94	2.90	2.90	2.90	2.91	2.94	3.00	3.00	2.98	2.92	2.76	2.58	2.26
-120	2.83	2.84	2.85	2.86	2.88	2.90	2.92	2.95	2.97	3.01	3.02	3.01	3.00	2.94	2.83	2.69	2.51	2.26
-110	2.94	2.95	2.97	2.98	3.00	3.00	3.01	3.00	3.00	3.01	3.00	2.96	2.89	2.80	2.71	2.60	2.43	2.26
-100	2.89	2.89	2.88	2.87	2.86	2.84	2.83	2.82	2.81	2.79	2.76	2.73	2.68	2.62	2.54	2.45	2.36	2.26
-90	2.35	2.35	2.35	2.36	2.36	2.36	2.37	2.38	2.39	2.39	2.40	2.41	2.39	2.36	2.33	2.31	2.28	2.26
-80	3.32	3.25	3.16	3.07	2.97	2.86	2.77	2.69	2.60	2.53	2.46	2.39	2.30	2.26	2.23	2.21	2.23	2.26
-70	7.49	7.20	6.84	6.41	5.93	5.44	4.98	4.52	4.09	3.69	3.34	2.95	2.55	2.30	2.19	2.17	2.18	2.26
-60	19.3	18.2	16.7	14.9	13.1	11.3	9.65	8.15	6.90	5.81	4.89	3.82	2.98	2.45	2.18	2.13	2.16	2.26
-50	58.1	53.2	46.9	39.8	32.8	26.5	20.7	15.8	12.0	9.12	6.98	5.07	3.41	2.58	2.17	2.06	2.13	2.26
-40	187	166	139	109	84.5	63.3	46.0	32.3	22.0	14.7	9.96	6.79	4.40	2.62	2.11	1.99	2.11	2.26
-30	650	555	435	318	221	147	96.2	62.0	38.6	23.2	13.8	8.88	5.39	2.88	1.99	1.91	2.08	2.26
-20	1856	1547	1193	829	525	315	179	103	59.7	33.5	18.3	10.3	6.67	3.32	1.80	1.82	2.06	2.26
-10	3475	2955	2269	1536	923	509	271	143	77.3	41.5	21.3	11.1	7.20	3.40	1.55	1.72	2.03	2.26
0	4018	3470	2630	1752	1053	582	302	155	81.9	44.9	21.3	11.3	7.25	3.28	1.27	1.63	2.02	2.26
10	2911	2376	1729	1179	743	435	245	138	77.2	44.0	24.0	13.3	8.86	4.52	2.23	2.09	2.19	2.26
20	1364	1157	877	606	395	252	162	102	62.3	39.4	23.7	14.6	9.82	5.43	3.11	2.54	2.36	2.26
30	466	409	333	255	187	136	95.8	66.4	48.0	32.2	21.4	14.8	9.67	5.78	3.81	2.93	2.52	2.26
40	158	145	128	108	88.1	70.1	56.2	43.9	34.0	25.8	19.0	13.7	9.39	6.05	4.30	3.24	2.66	2.26
50	64.3	61.1	56.5	51.0	45.1	38.6	32.7	27.6	23.3	19.8	16.2	12.2	8.64	6.25	4.59	3.50	2.77	2.26
60	30.0	29.1	27.8	26.1	24.3	22.2	20.1	18.2	16.3	14.7	13.1	10.5	8.05	6.14	4.69	3.67	2.87	2.26
70	16.2	15.9	15.5	15.0	14.4	13.7	13.0	12.2	11.5	10.7	10.0	8.96	7.26	5.85	4.72	3.76	2.93	2.26
80	9.42	9.36	9.28	9.16	9.03	8.86	8.69	8.49	8.30	8.11	7.91	7.66	6.58	5.59	4.65	3.78	2.99	2.26
90	6.80	6.80	6.80	6.81	6.81	6.81	6.82	6.84	6.85	6.86	6.87	6.89	6.12	5.34	4.57	3.80	3.03	2.26
100	5.92	5.93	5.94	5.96	5.97	5.99	6.04	6.09	6.15	6.21	6.28	6.32	5.75	5.16	4.52	3.82	3.07	2.26
110	6.05	6.05	6.03	6.01	5.99	5.96	5.93	5.92	5.93	5.95	5.99	5.89	5.43	4.94	4.41	3.82	3.09	2.26
120	7.77	7.68	7.53	7.34	7.11	6.89	6.66	6.44	6.24	6.08	5.98	5.62	5.17	4.73	4.27	3.75	3.09	2.26
130	10.8	10.7	10.3	9.93	9.43	8.90	8.33	7.76	7.22	6.76	6.17	5.45	4.93	4.51	4.12	3.64	3.07	2.26
140	14.1	13.8	13.4	12.9	12.2	11.4	10.5	9.61	8.69	7.54	6.26	5.34	4.70	4.27	3.93	3.53	3.04	2.26
150	16.2	16.0	15.7	15.2	14.5	13.6	12.6	11.4	9.42	7.54	6.10	5.09	4.43	4.00	3.71	3.41	2.96	2.26
160	16.7	16.6	16.5	16.2	15.7	14.9	12.9	10.7	8.60	6.84	5.49	4.59	4.02	3.69	3.47	3.25	2.87	2.26
170	15.7	15.9	16.1	15.3	13.8	12.1	10.3	8.46	6.80	5.42	4.42	3.82	3.50	3.34	3.22	3.08	2.78	2.26
180	13.9	12.9	12.0	10.8	9.55	8.13	6.68	5.38	4.29	3.50	3.03	2.88	2.89	2.95	2.95	2.90	2.68	2.26

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 G0-2000B_V1 SYSTEM V2.0.351

Humidity: 65.0%

Test Distance: 8.630m [K=1.0000]

Remarks: