

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	3186.3 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	38.5V x 76.4H
	At 50% of Imax	15.7V x 47.2H
	At 90% of Imax	6.0V x 23.5H

Beam Flux	Total	1000.4 lumens per klm.
	To 10% of Imax	791.1 lumens per klm.
	To 50% of Imax	432.7 lumens per klm.
	To 90% of Imax	93.3 lumens per klm.

Upward LOR	2.3 %
Downward LOR	97.8 %

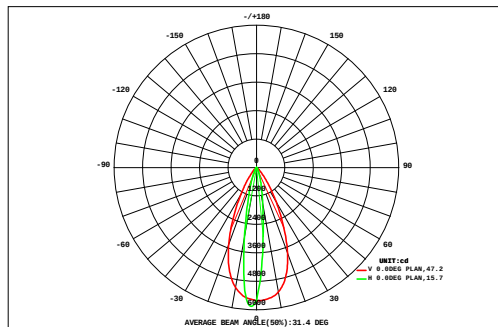
Luminaire Efficiency(Light Output Ratio)	100.0 %
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H_(b) Range:-90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:Fan
Test Date:2023-05-09

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-1545D-Rev1	TYPE: 3000K	WEIGHT:
SPEC.: 15x45 DEG	DIM.: 510mm	SERIAL No.: IES001015
MFR.:	SUR.:	Shielding Angle:



DATA OF LAMP		Eff: 96.96lm/W	
MODEL		Imax(cd)	5856
NOMINAL POWER(W)	18.96	AVAILABILITY(%)	79.2
RATED VOLTAGE(V)	24	Avai. FLUX(lm)	1456
NOMINAL FLUX(lm)	1838	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	1838
TEST VOLTAGE(V)	24	q @50%(H,V)	47,16DEG

		AREA FLUX DIAGRAM																UNIT:lm				F t	F a
VERTICAL (DEG)	72	0.06	0.10	0.14	0.17	0.21	0.24	0.27	0.29	0.30	0.30	0.30	0.28	0.25	0.21	0.18	0.14	0.09	0.05	3.58	0.00		
	64	0.07	0.12	0.17	0.24	0.30	0.36	0.42	0.47	0.50	0.50	0.47	0.42	0.36	0.30	0.24	0.18	0.11	0.05	5.29	0.00		
	56	0.08	0.14	0.22	0.31	0.42	0.54	0.66	0.77	0.83	0.83	0.76	0.66	0.54	0.43	0.32	0.23	0.13	0.06	7.94	0.00		
	48	0.09	0.17	0.28	0.42	0.61	0.83	1.02	1.20	1.29	1.29	1.20	1.02	0.83	0.62	0.43	0.28	0.15	0.06	11.8	0.00		
	40	0.10	0.21	0.36	0.57	0.91	1.30	1.59	1.85	1.98	1.99	1.88	1.63	1.36	0.94	0.58	0.33	0.17	0.07	17.8	0.00		
	32	0.12	0.25	0.46	0.83	1.40	2.24	2.95	3.31	3.69	3.75	3.42	3.14	2.43	1.51	0.84	0.40	0.19	0.07	31.0	0.00		
	24	0.13	0.29	0.59	1.36	2.71	4.19	6.34	7.74	8.62	8.92	8.43	7.07	4.70	3.03	1.41	0.50	0.20	0.07	66.3	9.36		
		0.14	0.33	0.76	2.20	5.66	11.1	15.9	21.4	24.1	25.4	24.7	18.5	12.9	6.54	2.37	0.64	0.21	0.07	173	146		
		0.15	0.37	0.91	3.13	9.53	23.9	45.5	62.1	71.9	76.9	68.7	51.1	27.9	11.2	3.44	0.77	0.21	0.07	458	442		
		0.15	0.36	0.90	3.17	9.82	25.4	52.3	82.9	101	102	85.2	56.2	28.8	11.4	3.45	0.76	0.20	0.07	563	548		
		0.13	0.31	0.73	2.28	6.31	14.2	27.3	41.2	44.7	44.9	40.8	26.7	14.9	6.86	2.37	0.60	0.18	0.06	275	254		
	-24	0.11	0.25	0.55	1.42	3.32	6.39	10.8	13.2	14.8	14.7	12.9	10.2	5.98	3.26	1.38	0.43	0.16	0.06	99.9	55.0		
	-32	0.10	0.20	0.38	0.81	1.66	2.93	4.02	4.56	5.13	5.08	4.42	3.80	2.72	1.53	0.74	0.30	0.13	0.05	38.5	0.00		
	-40	0.08	0.15	0.25	0.45	0.87	1.37	1.66	1.96	2.10	2.07	1.90	1.58	1.28	0.82	0.43	0.21	0.10	0.04	17.3	0.00		
	-48	0.06	0.11	0.16	0.27	0.47	0.69	0.86	1.04	1.12	1.11	1.02	0.83	0.66	0.45	0.26	0.15	0.08	0.03	9.37	0.00		
	-56	0.05	0.08	0.11	0.18	0.27	0.38	0.50	0.60	0.68	0.67	0.60	0.49	0.37	0.26	0.17	0.11	0.06	0.03	5.61	0.00		
-64	0.04	0.06	0.08	0.12	0.16	0.21	0.27	0.32	0.36	0.36	0.32	0.27	0.21	0.16	0.11	0.08	0.05	0.02	3.20	0.00			
-72	0.04	0.04	0.06	0.08	0.10	0.12	0.14	0.16	0.17	0.17	0.16	0.14	0.12	0.10	0.07	0.05	0.04	0.02	1.78	0.00			
	-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL (DEG)				16	24	32	40	48	56	64	72			
F t	1.71	3.56	7.12	18.0	44.7	96.4	173	245	283	291	257	184	106	49.6	18.8	6.14	2.46	0.94	1788	---			
F a	0.00	0.00	0.00	0.00	13.4	69.6	146	219	255	264	231	158	80.8	20.0	0.00	0.00	0.00	0.00	---	1456			

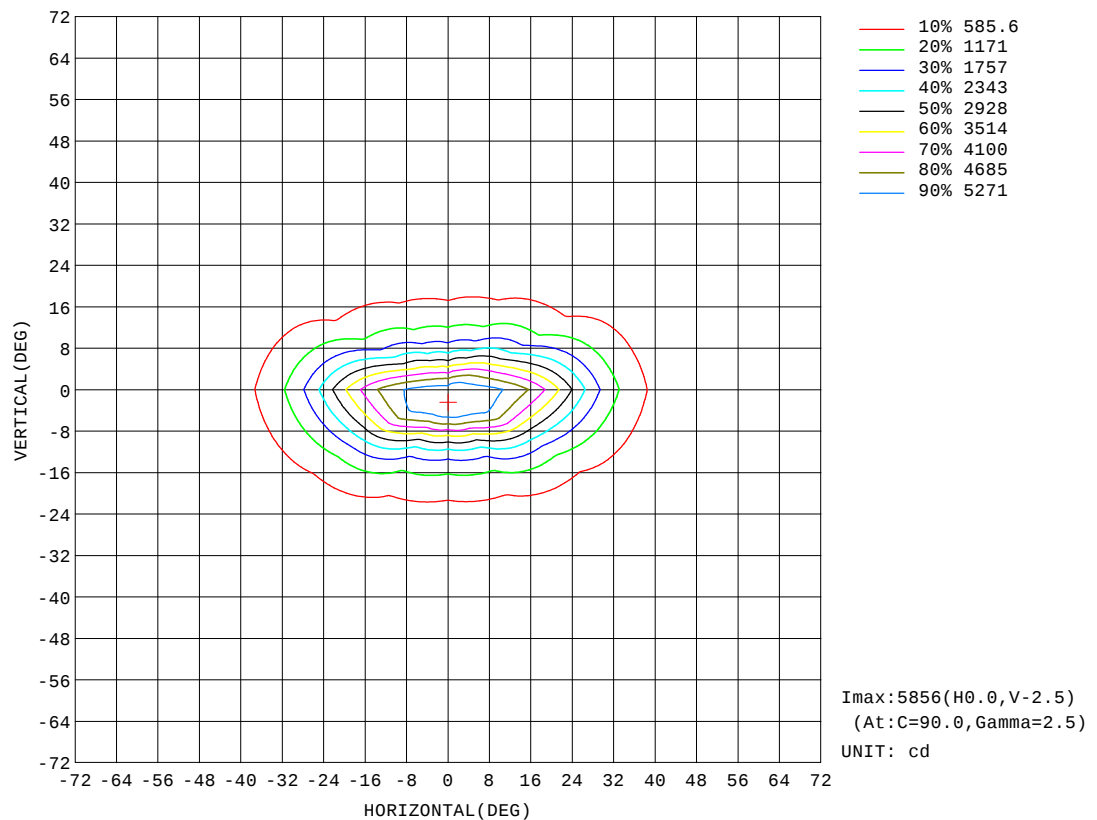
one-half-peak spread: U:7.7,D:8.1 , L:23.9,R:23.9 Beam Type: Type 5 x 3 (H x V)

H_(b) Range: -90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: LOW
Temperature: 25.3DEG
Operators: Fan
Test Date: 2023-05-09

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-1545D-Rev1	TYPE: 3000K	WEIGHT:
SPEC.: 15x45 DEG	DIM.: 510mm	SERIAL No.: IES001015
MFR.:	SUR.:	Shielding Angle:

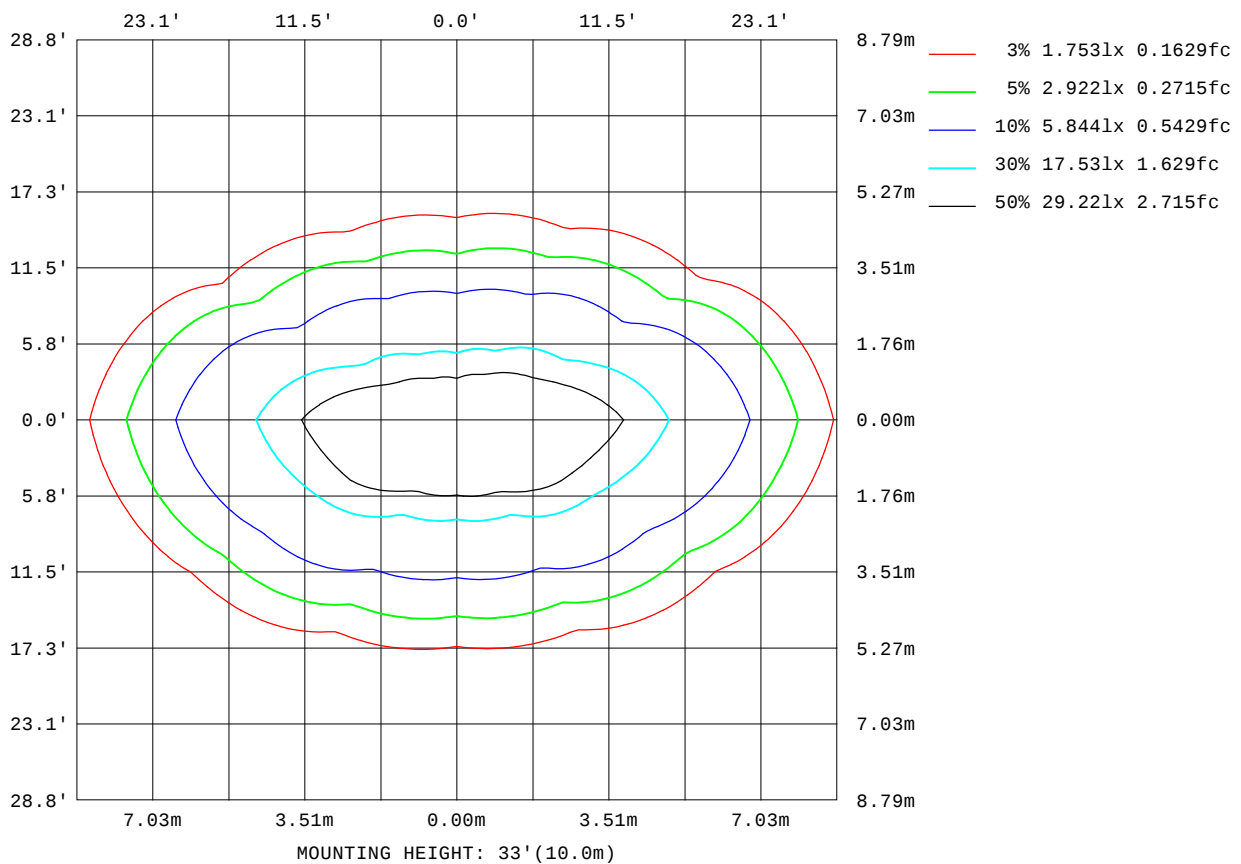


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Test Speed: LOW
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Humidity: 65.0%
Test Distance: 8.630m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

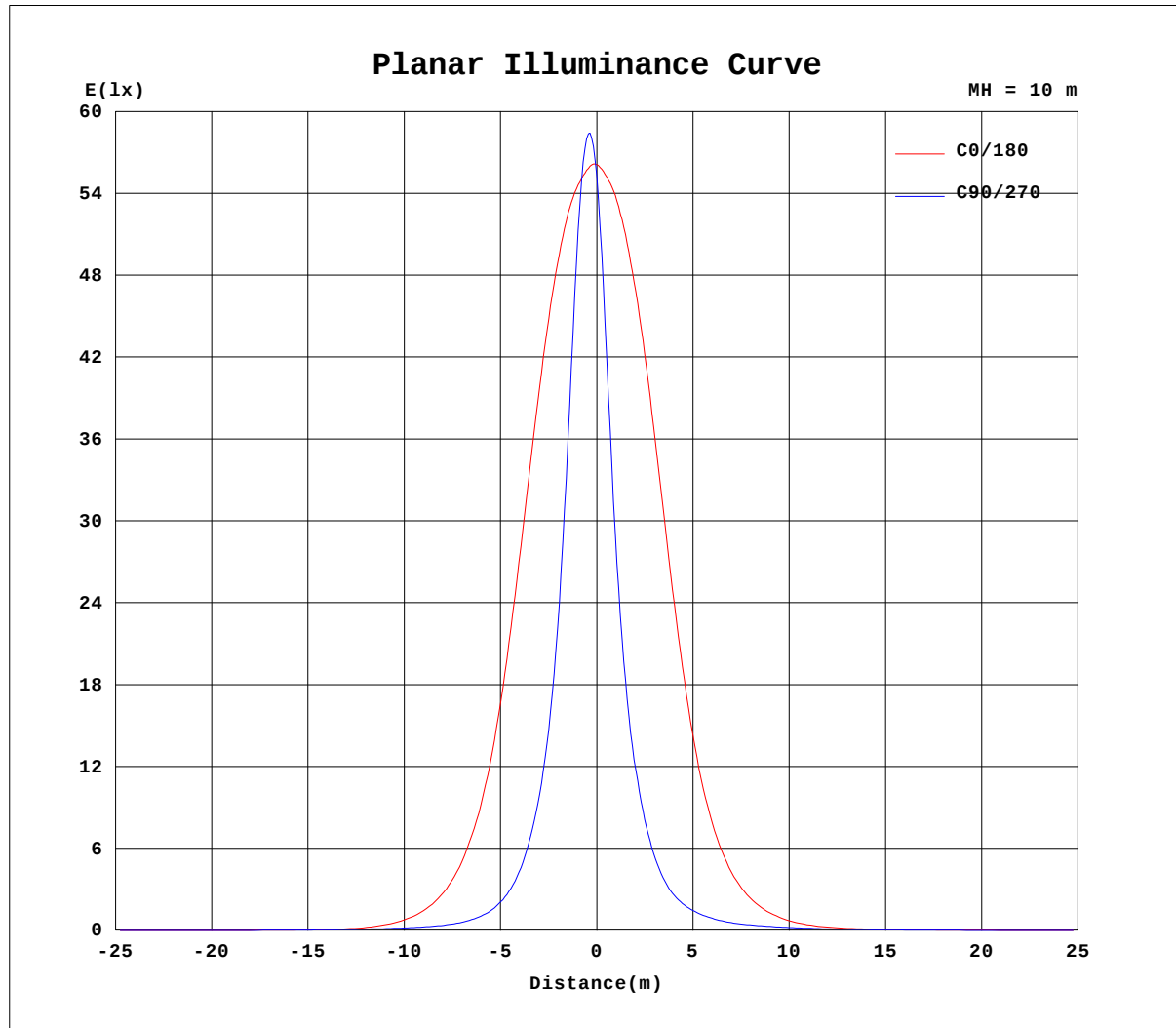
NAME: Medusa-510mm-3000K-1545D-Rev1	TYPE: 3000K	WEIGHT:
SPEC.: 15x45 DEG	DIM.: 510mm	SERIAL No.: IES001015
MFR.:	SUR.:	Shielding Angle:



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

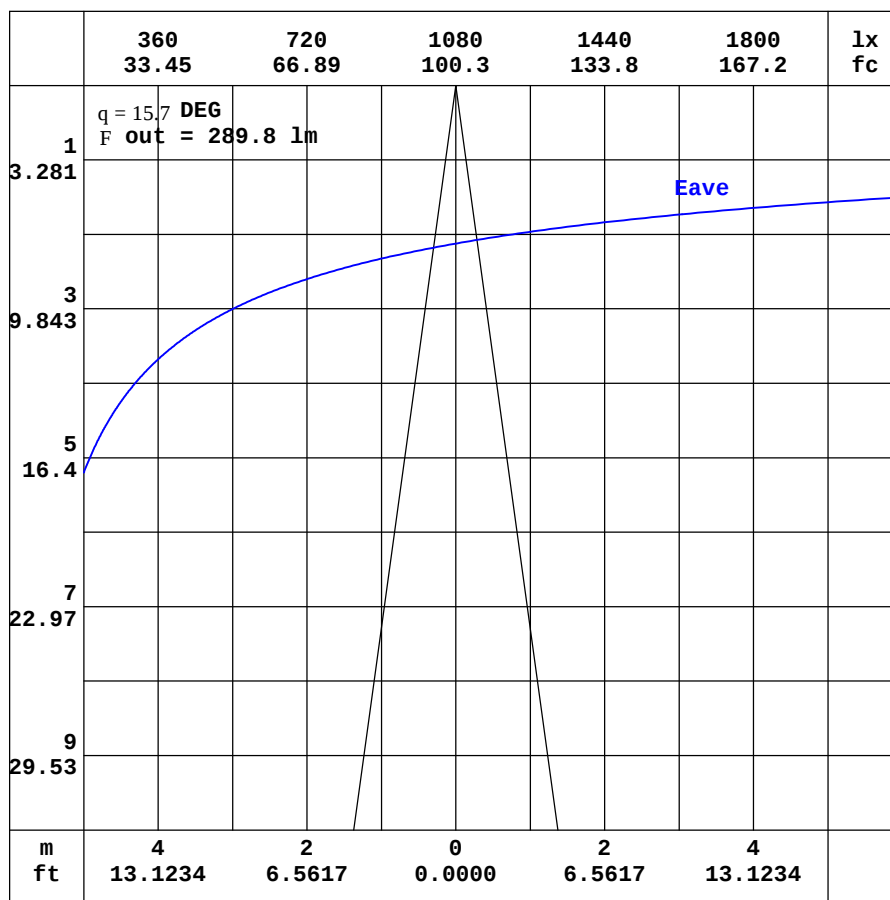


H_b Range: -90 - 90DEG
H_b Interval: 0.5DEG
Test Speed: LOW
Temperature: 25.3DEG
Operators: Fan
Test Date: 2023-05-09

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-1545D-Rev1	TYPE: 3000K	WEIGHT:
SPEC.: 15x45 DEG	DIM.: 510mm	SERIAL No.: IES001015
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: 2023-05-09

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-1545D-Rev1	TYPE: 3000K	WEIGHT:
SPEC.: 15x45 DEG	DIM.: 510mm	SERIAL No.: IES001015
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	6.92	6.38	6.06	6.11	6.41	6.99	7.80	8.75	9.80	10.8	11.9	12.8	13.5	14.0	14.1	14.0	13.8	13.6	12.9
-170	6.92	6.27	5.87	5.82	5.97	6.32	6.81	7.37	7.94	8.52	9.09	9.61	10.1	10.3	10.4	10.6	11.5	12.3	13.4
-160	6.92	6.18	5.71	5.53	5.51	5.61	5.78	5.95	6.07	6.13	6.19	6.23	6.36	7.29	8.24	9.16	10.0	10.7	11.0
-150	6.92	6.11	5.56	5.25	5.08	4.97	4.86	4.70	4.44	4.05	3.72	4.07	4.54	5.07	5.63	6.18	6.75	7.11	7.21
-140	6.92	6.06	5.44	5.01	4.71	4.43	4.13	3.75	3.25	3.01	2.97	2.93	2.97	3.06	3.18	3.44	3.63	3.72	3.68
-130	6.92	6.04	5.34	4.80	4.40	4.02	3.62	3.14	2.90	2.83	2.70	2.55	2.36	2.16	2.05	1.99	1.94	1.88	1.78
-120	6.92	6.04	5.28	4.67	4.15	3.71	3.26	2.92	2.93	2.90	2.84	2.74	2.60	2.46	2.35	2.25	2.15	2.06	2.00
-110	6.92	6.06	5.27	4.59	3.99	3.46	2.95	2.85	2.91	2.95	2.99	3.01	3.02	3.00	2.99	2.99	2.99	3.00	3.01
-100	6.92	6.10	5.32	4.58	3.88	3.24	2.63	2.65	2.70	2.77	2.82	2.88	2.93	2.96	2.99	3.02	3.05	3.07	3.09
-90	6.92	6.17	5.41	4.66	3.91	3.16	2.41	2.41	2.42	2.42	2.43	2.43	2.43	2.42	2.41	2.39	2.38	2.36	2.35
-80	6.92	6.27	5.60	4.90	4.19	3.45	2.71	2.72	2.79	2.86	2.92	2.96	2.98	3.02	3.04	3.06	3.06	3.05	3.02
-70	6.92	6.41	5.90	5.40	4.90	4.43	3.99	4.11	4.51	4.88	5.24	5.56	5.86	6.22	6.59	6.90	7.12	7.25	7.29
-60	6.92	6.58	6.32	6.09	5.93	5.89	5.98	6.32	7.21	8.18	9.23	10.4	11.7	13.1	14.6	16.0	17.1	18.0	18.5
-50	6.92	6.79	6.81	6.90	7.20	7.71	8.91	9.58	10.9	13.2	16.2	19.9	23.8	27.1	30.8	34.4	37.4	39.5	40.6
-40	6.92	7.02	7.31	7.78	8.58	10.9	13.3	15.4	17.3	22.4	31.3	41.7	51.4	58.3	60.7	68.4	73.1	74.3	72.3
-30	6.92	7.25	7.81	8.68	10.6	14.6	19.2	23.9	31.3	44.4	64.6	93.2	125	153	169	168	191	200	190
-20	6.92	7.46	8.29	9.51	13.1	19.1	25.7	35.4	51.7	87.2	145	221	307	437	575	662	652	734	708
-10	6.92	7.66	8.72	10.2	15.2	22.9	32.2	46.5	76.8	150	282	492	804	1238	1794	2468	2874	2835	2987
0	6.92	7.83	9.07	10.8	16.8	25.7	37.7	55.0	96.5	204	413	779	1393	2317	3444	4456	5127	5484	5613
10	6.92	7.81	9.05	10.8	16.2	24.5	34.3	48.7	77.7	146	266	449	694	960	1120	1217	1500	1506	1518
20	6.92	7.75	8.94	10.7	15.0	22.0	29.8	40.2	55.2	85.7	130	177	204	273	339	383	392	429	406
30	6.92	7.66	8.74	10.3	13.2	18.5	24.7	31.0	38.9	49.5	62.8	82.0	103	123	134	136	150	157	154
40	6.92	7.54	8.46	9.78	11.6	15.4	19.6	23.9	27.7	32.8	39.9	48.2	56.5	63.3	67.0	73.5	78.2	80.5	80.2
50	6.92	7.40	8.13	9.10	10.5	12.4	15.3	18.1	20.7	23.4	26.4	29.7	33.4	36.9	40.4	43.5	46.0	47.6	48.2
60	6.92	7.25	7.77	8.40	9.28	10.5	12.0	13.7	15.1	16.4	17.8	19.1	20.4	21.6	22.8	23.9	24.8	25.3	25.4
70	6.92	7.11	7.40	7.76	8.18	8.72	9.43	10.2	10.8	11.3	11.9	12.3	12.7	13.1	13.5	13.7	13.8	13.9	13.8
80	6.92	6.98	7.07	7.19	7.34	7.48	7.64	7.79	7.94	8.07	8.19	8.29	8.36	8.45	8.53	8.57	8.60	8.59	8.56
90	6.92	6.86	6.81	6.76	6.71	6.66	6.60	6.56	6.52	6.48	6.43	6.39	6.35	6.33	6.31	6.28	6.26	6.24	6.22
100	6.92	6.77	6.62	6.46	6.31	6.17	6.05	5.93	5.80	5.69	5.58	5.47	5.37	5.33	5.30	5.27	5.26	5.25	5.24
110	6.92	6.68	6.43	6.21	6.03	5.88	5.76	5.65	5.55	5.45	5.36	5.28	5.19	5.15	5.12	5.09	5.05	5.00	4.94
120	6.92	6.59	6.28	6.05	5.88	5.79	5.74	5.73	5.76	5.80	5.85	5.89	5.94	6.00	6.09	6.14	6.13	6.08	5.96
130	6.92	6.51	6.18	5.95	5.87	5.86	5.99	6.24	6.53	6.83	7.19	7.60	8.06	8.54	9.06	9.55	9.99	10.3	10.5
140	6.92	6.45	6.11	5.94	5.93	6.10	6.44	6.95	7.61	8.30	9.02	9.86	10.8	11.7	12.5	13.3	13.9	14.4	14.6
150	6.92	6.41	6.07	5.97	6.06	6.40	6.95	7.70	8.60	9.60	10.7	11.8	12.9	13.9	14.7	15.4	15.7	16.0	16.1
160	6.92	6.38	6.05	6.02	6.21	6.68	7.39	8.31	9.35	10.5	11.8	13.0	14.2	15.0	15.6	16.0	16.4	16.5	16.8
170	6.92	6.37	6.05	6.07	6.34	6.89	7.69	8.66	9.76	10.9	12.1	13.2	14.2	14.8	15.1	14.9	14.8	14.7	15.7
180	6.92	6.38	6.06	6.11	6.41	6.99	7.80	8.75	9.80	10.8	11.9	12.8	13.5	14.0	14.1	14.0	13.8	13.6	13.0

H_(b) Range: -90 - 90DEG
 H_(b) Interval: 0.5DEG
 Test Speed: LOW
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 Operators: Fan
 Test Date: 2023-05-09

V(B) Range: -180 - 180DEG
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 Humidity: 65.0%
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 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: Medusa-510mm-3000K-1545D-Rev1	TYPE: 3000K	WEIGHT:
SPEC.: 15x45 DEG	DIM.: 510mm	SERIAL No.: IES001015
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	12.4	11.4	10.5	9.61	8.59	7.51	6.40	5.44	4.63	3.99	3.52	3.22	3.03	2.88	2.78	2.66	2.49	2.17
-170	13.2	12.5	11.5	10.2	8.85	7.53	6.32	5.30	4.48	3.86	3.44	3.18	3.01	2.89	2.78	2.67	2.49	2.17
-160	10.9	10.4	9.59	8.64	7.64	6.67	5.64	4.76	4.09	3.60	3.29	3.10	2.98	2.89	2.77	2.67	2.48	2.17
-150	7.24	7.00	6.55	5.98	5.40	4.84	4.36	3.99	3.60	3.30	3.12	3.02	2.95	2.87	2.76	2.67	2.48	2.17
-140	3.81	3.79	3.67	3.47	3.34	3.24	3.17	3.14	3.12	3.07	3.01	2.97	2.92	2.85	2.74	2.63	2.46	2.17
-130	1.93	2.05	2.15	2.23	2.36	2.54	2.69	2.81	2.91	2.96	2.97	2.94	2.89	2.80	2.71	2.57	2.43	2.17
-120	2.09	2.21	2.33	2.46	2.59	2.73	2.84	2.93	2.98	2.98	2.96	2.90	2.83	2.75	2.65	2.52	2.38	2.17
-110	3.02	3.03	3.05	3.07	3.08	3.08	3.05	3.02	2.99	2.93	2.87	2.80	2.73	2.63	2.54	2.46	2.32	2.17
-100	3.07	3.04	3.00	2.96	2.92	2.87	2.82	2.77	2.72	2.67	2.63	2.58	2.53	2.48	2.41	2.34	2.26	2.17
-90	2.33	2.31	2.30	2.28	2.26	2.24	2.26	2.28	2.30	2.33	2.35	2.37	2.33	2.30	2.27	2.24	2.20	2.17
-80	3.01	2.98	2.94	2.89	2.82	2.74	2.73	2.70	2.67	2.64	2.59	2.54	2.40	2.31	2.23	2.20	2.17	2.17
-70	7.22	7.06	6.81	6.47	6.06	5.66	5.34	4.99	4.62	4.24	3.88	3.42	2.85	2.48	2.28	2.19	2.15	2.17
-60	17.9	17.0	15.8	14.3	12.8	11.4	10.2	8.95	7.88	6.89	5.99	4.67	3.52	2.77	2.34	2.18	2.14	2.17
-50	39.3	37.0	34.0	30.2	26.5	23.1	19.3	15.7	12.7	10.4	8.55	6.60	4.49	3.04	2.41	2.16	2.14	2.17
-40	73.4	71.4	66.3	58.4	55.6	48.8	39.5	29.8	21.4	15.8	12.1	9.27	6.24	3.38	2.40	2.11	2.12	2.17
-30	197	186	161	159	143	116	86.2	60.0	40.4	25.8	17.4	12.2	8.30	4.61	2.30	2.05	2.11	2.17
-20	729	639	633	541	407	285	216	145	83.6	42.8	24.6	15.5	10.2	5.49	2.11	1.96	2.08	2.17
-10	2872	2878	2410	1780	1297	879	544	307	155	67.7	31.7	18.9	11.5	6.21	1.92	1.84	2.05	2.17
0	5551	5325	4765	3836	2676	1646	922	475	221	87.6	36.4	20.4	12.5	6.53	1.69	1.73	2.03	2.17
10	1621	1740	1441	1295	1111	810	522	302	156	70.0	34.5	21.2	13.2	7.31	2.58	2.19	2.20	2.17
20	448	419	422	377	305	228	199	142	87.2	48.2	30.1	19.9	13.4	7.56	3.35	2.64	2.37	2.17
30	159	153	139	141	131	111	87.4	65.9	48.9	34.9	25.4	18.3	12.6	7.43	4.04	3.01	2.52	2.17
40	80.8	78.8	74.1	67.3	64.2	57.6	49.0	40.5	33.5	27.5	21.4	16.2	11.1	6.68	4.50	3.31	2.65	2.17
50	47.5	45.8	43.2	40.0	36.7	33.5	30.1	26.8	23.9	21.1	17.8	13.6	9.52	6.56	4.71	3.52	2.75	2.17
60	25.3	24.8	24.0	23.0	21.7	20.6	19.4	18.1	16.7	15.4	13.9	11.1	8.39	6.28	4.74	3.65	2.81	2.17
70	13.9	13.9	13.7	13.5	13.1	12.7	12.3	11.9	11.4	10.8	10.2	9.13	7.32	5.85	4.67	3.70	2.85	2.17
80	8.57	8.54	8.49	8.42	8.32	8.21	8.17	8.10	8.00	7.89	7.76	7.53	6.46	5.46	4.53	3.66	2.88	2.17
90	6.23	6.24	6.25	6.26	6.27	6.28	6.32	6.37	6.42	6.47	6.51	6.56	5.83	5.10	4.37	3.64	2.90	2.17
100	5.26	5.28	5.30	5.33	5.36	5.40	5.50	5.59	5.69	5.79	5.90	5.97	5.43	4.88	4.28	3.63	2.93	2.17
110	5.03	5.11	5.18	5.24	5.28	5.33	5.39	5.45	5.51	5.58	5.66	5.58	5.12	4.65	4.15	3.60	2.94	2.17
120	6.13	6.24	6.29	6.29	6.24	6.18	6.09	6.00	5.92	5.85	5.79	5.36	4.90	4.45	4.00	3.51	2.93	2.17
130	10.4	10.1	9.71	9.28	8.81	8.31	7.82	7.38	6.99	6.65	6.10	5.34	4.74	4.26	3.85	3.40	2.90	2.17
140	14.4	14.0	13.5	12.7	11.9	11.0	10.1	9.21	8.45	7.49	6.26	5.31	4.60	4.08	3.67	3.30	2.85	2.17
150	16.1	15.9	15.6	14.9	14.1	13.1	12.0	10.8	9.11	7.48	6.16	5.15	4.40	3.86	3.47	3.17	2.77	2.17
160	16.8	16.9	16.4	15.9	15.2	14.2	12.2	10.2	8.39	6.87	5.65	4.73	4.06	3.60	3.26	3.01	2.68	2.17
170	15.9	15.8	15.7	14.8	13.3	11.5	9.82	8.22	6.82	5.65	4.73	4.07	3.59	3.26	3.03	2.84	2.59	2.17
180	12.4	11.4	10.5	9.61	8.59	7.51	6.40	5.44	4.63	3.99	3.52	3.22	3.03	2.88	2.78	2.66	2.49	2.17

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

Test Speed: LOW

Temperature: 25.3DEG

Operators: Fan

Test Date: 2023-05-09

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: