

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

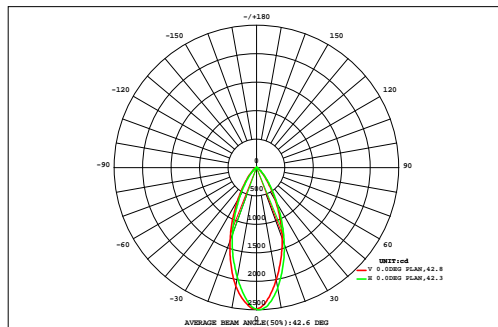
Maximum Intensity		1524.7 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	80.7V x 81.0H
	At 50% of Imax	42.3V x 42.8H
	At 90% of Imax	14.0V x 14.2H
Beam Flux	Total	999.8 lumens per klm.
	To 10% of Imax	853.9 lumens per klm.
	To 50% of Imax	452.4 lumens per klm.
	To 90% of Imax	63.4 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:
Test Date:2024-05-15

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

LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: Mini Linear DC	TYPE:3000K	WEIGHT:
SPEC.: 50 x 50 Beam Angle	DIM.: 605MM	SERIAL No.:IES002391
MFR.:	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:90.16lm/W	
MODEL		Imax(cd)	2508
NOMINAL POWER(W)	18.24	AVAILABILITY(%)	85.3
RATED VOLTAGE(V)	24	Avai. FLUX(lm)	1404
NOMINAL FLUX(lm)	1645	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	1645
TEST VOLTAGE(V)	24	q @50%(H,V)	43,42DEG

VERTICAL(DEG)	AREA FLUX DIAGRAM																UNIT:lm		F t	F a
	0.07	0.10	0.15	0.20	0.26	0.33	0.38	0.43	0.45	0.44	0.41	0.37	0.31	0.25	0.19	0.14	0.10	0.05	4.62	0.00
72	0.07	0.10	0.15	0.20	0.26	0.33	0.38	0.43	0.45	0.44	0.41	0.37	0.31	0.25	0.19	0.14	0.10	0.05	4.62	0.00
64	0.08	0.13	0.20	0.30	0.42	0.56	0.69	0.80	0.86	0.85	0.78	0.66	0.53	0.40	0.28	0.19	0.12	0.06	7.90	0.00
56	0.10	0.16	0.27	0.44	0.68	0.99	1.34	1.63	1.80	1.78	1.58	1.27	0.93	0.64	0.42	0.26	0.14	0.07	14.5	0.00
48	0.11	0.21	0.37	0.65	1.13	1.85	2.71	3.49	3.98	3.93	3.35	2.54	1.72	1.06	0.62	0.35	0.18	0.08	28.3	2.60
40	0.13	0.26	0.50	0.97	1.89	3.36	5.30	7.20	8.38	8.23	6.83	4.91	3.13	1.77	0.91	0.45	0.21	0.09	54.5	38.3
32	0.15	0.31	0.65	1.42	3.01	5.75	9.67	13.9	16.3	16.0	13.0	8.89	5.32	2.81	1.31	0.57	0.25	0.10	99.3	88.3
24	0.16	0.36	0.80	1.92	4.35	8.83	15.6	23.2	27.5	26.7	21.6	14.4	8.13	4.07	1.77	0.69	0.28	0.11	160	151
	0.17	0.40	0.94	2.35	5.56	11.8	21.5	32.1	38.6	37.0	29.4	19.7	11.1	5.28	2.20	0.80	0.29	0.11	219	211
	0.18	0.42	1.01	2.58	6.24	13.6	24.8	37.1	45.9	43.8	34.2	23.4	13.2	6.06	2.44	0.84	0.30	0.11	256	249
	0.17	0.41	0.98	2.52	6.13	13.4	24.3	36.1	44.1	42.8	33.8	23.2	13.0	5.97	2.38	0.81	0.28	0.10	250	243
	0.16	0.36	0.86	2.18	5.25	11.3	20.3	29.5	34.9	33.8	27.6	18.9	10.7	5.01	2.03	0.72	0.26	0.09	204	196
	0.14	0.30	0.68	1.66	3.87	8.00	13.9	20.1	23.9	23.4	19.0	13.0	7.47	3.64	1.53	0.57	0.22	0.08	141	132
-24	0.12	0.24	0.49	1.12	2.47	4.82	7.98	11.3	13.5	13.3	10.8	7.48	4.51	2.31	1.02	0.42	0.17	0.07	82.1	70.8
-32	0.09	0.17	0.33	0.68	1.40	2.57	4.04	5.55	6.53	6.43	5.31	3.77	2.39	1.31	0.62	0.29	0.13	0.06	41.7	21.8
-40	0.07	0.12	0.20	0.39	0.73	1.23	1.85	2.45	2.80	2.76	2.35	1.73	1.14	0.67	0.36	0.19	0.09	0.04	19.2	0.00
-48	0.06	0.08	0.12	0.22	0.36	0.56	0.78	0.98	1.10	1.09	0.95	0.73	0.51	0.34	0.21	0.11	0.06	0.03	8.28	0.00
-56	0.05	0.05	0.07	0.12	0.18	0.25	0.33	0.39	0.42	0.42	0.37	0.31	0.23	0.17	0.11	0.07	0.04	0.03	3.59	0.00
-64	0.04	0.04	0.04	0.06	0.08	0.10	0.13	0.15	0.16	0.16	0.14	0.12	0.10	0.08	0.06	0.04	0.03	0.02	1.54	0.00
-72	0.04	0.04	0.04	0.06	0.08	0.10	0.13	0.15	0.16	0.16	0.14	0.12	0.10	0.08	0.06	0.04	0.03	0.02	1.54	0.00
	-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL(DEG)	16	24	32	40	48	56	64	72			
F t	2.04	4.12	8.66	19.8	44.0	89.3	156	226	271	263	211	145	84.4	41.8	18.5	7.51	3.15	1.31	1597	---
F a	0.00	0.00	0.00	0.23	28.0	76.4	144	215	260	252	200	133	71.2	25.1	0.00	0.00	0.00	0.00	---	1404

one-half-peak spread: U:21.1,D:21.6 , L:21.3,R:21.8

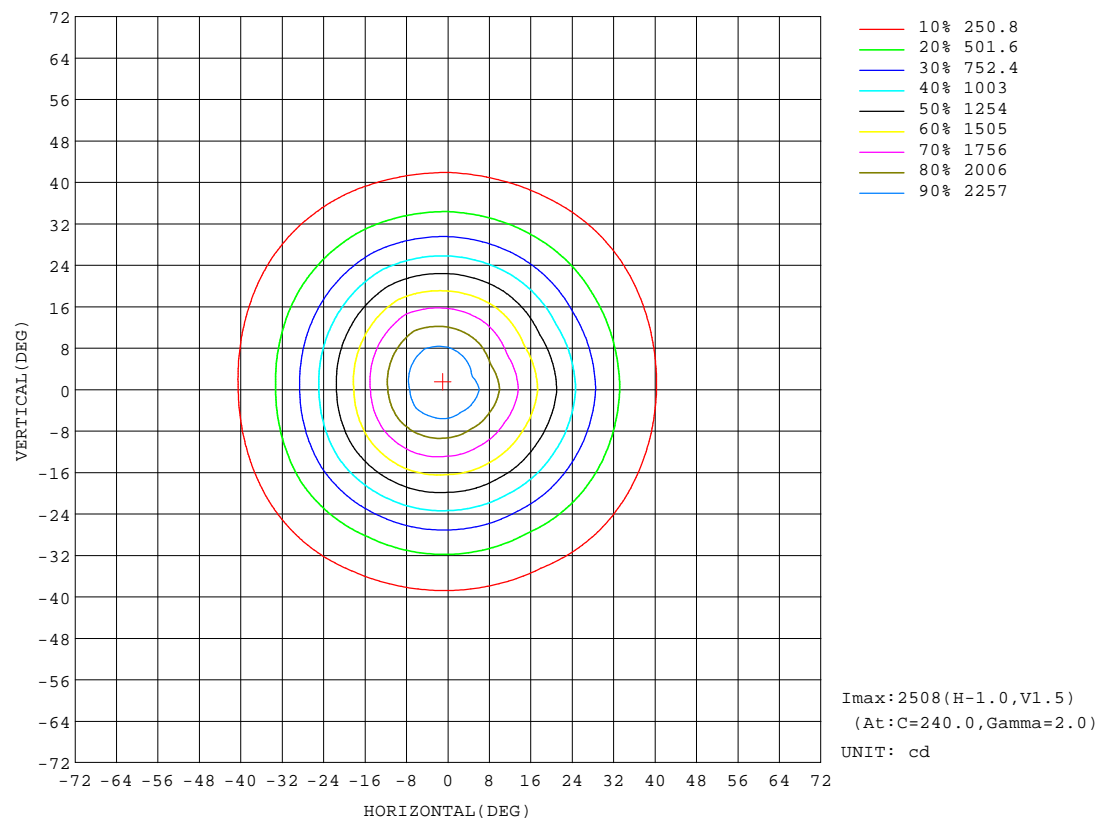
NEMA Beam Type: Type 5

H(_b) Range:-90 - 90DEG
H(_b) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:
Test Date:2024-05-15

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

ISOCANDELA DIAGRAM

NAME: Mini Linear DC	TYPE:3000K	WEIGHT:
SPEC.: 50 x 50 Beam Angle	DIM.: 605MM	SERIAL No.:IES002391
MFR.:	SUR.:	Shielding Angle:

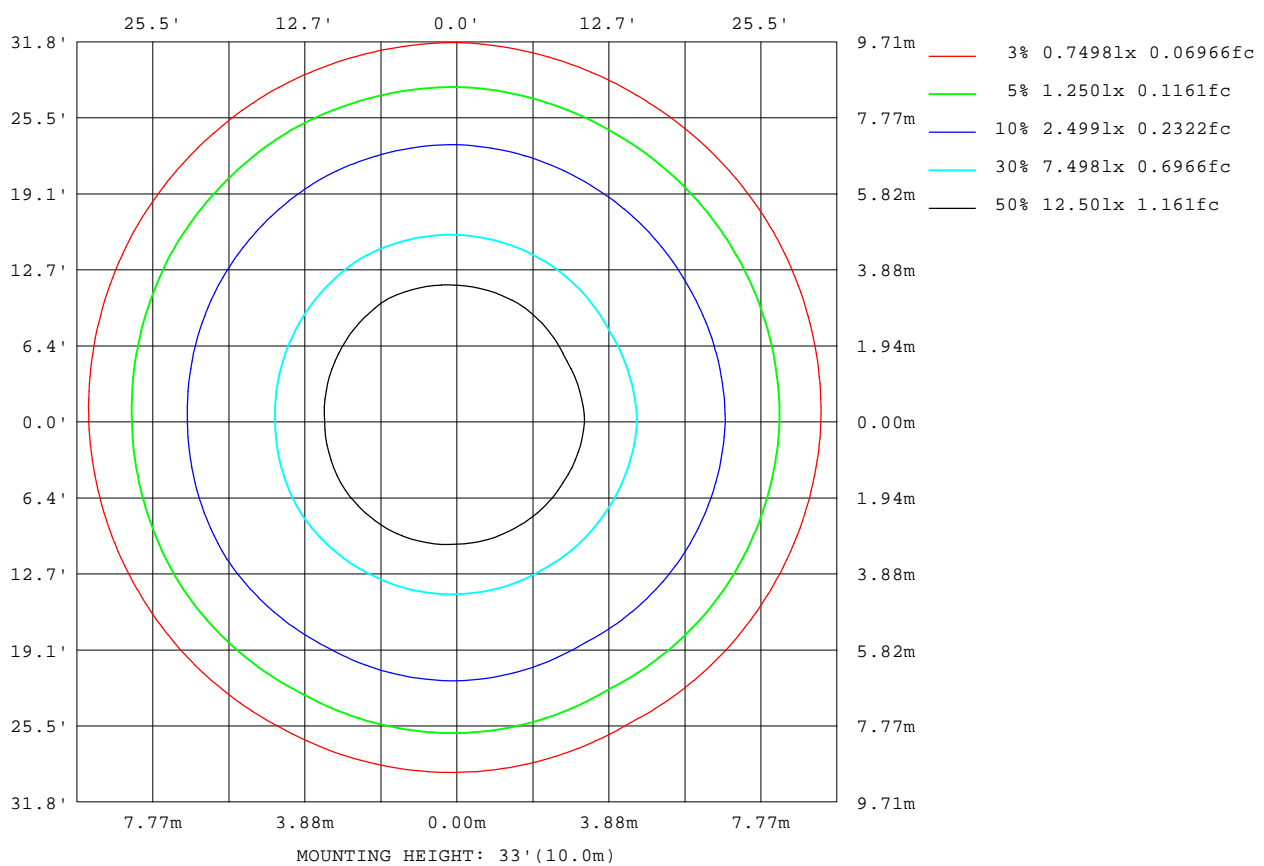


H(θ) Range:-90 - 90DEG
H(θ) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:
Test Date:2024-05-15

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

ISOLUX DIAGRAM

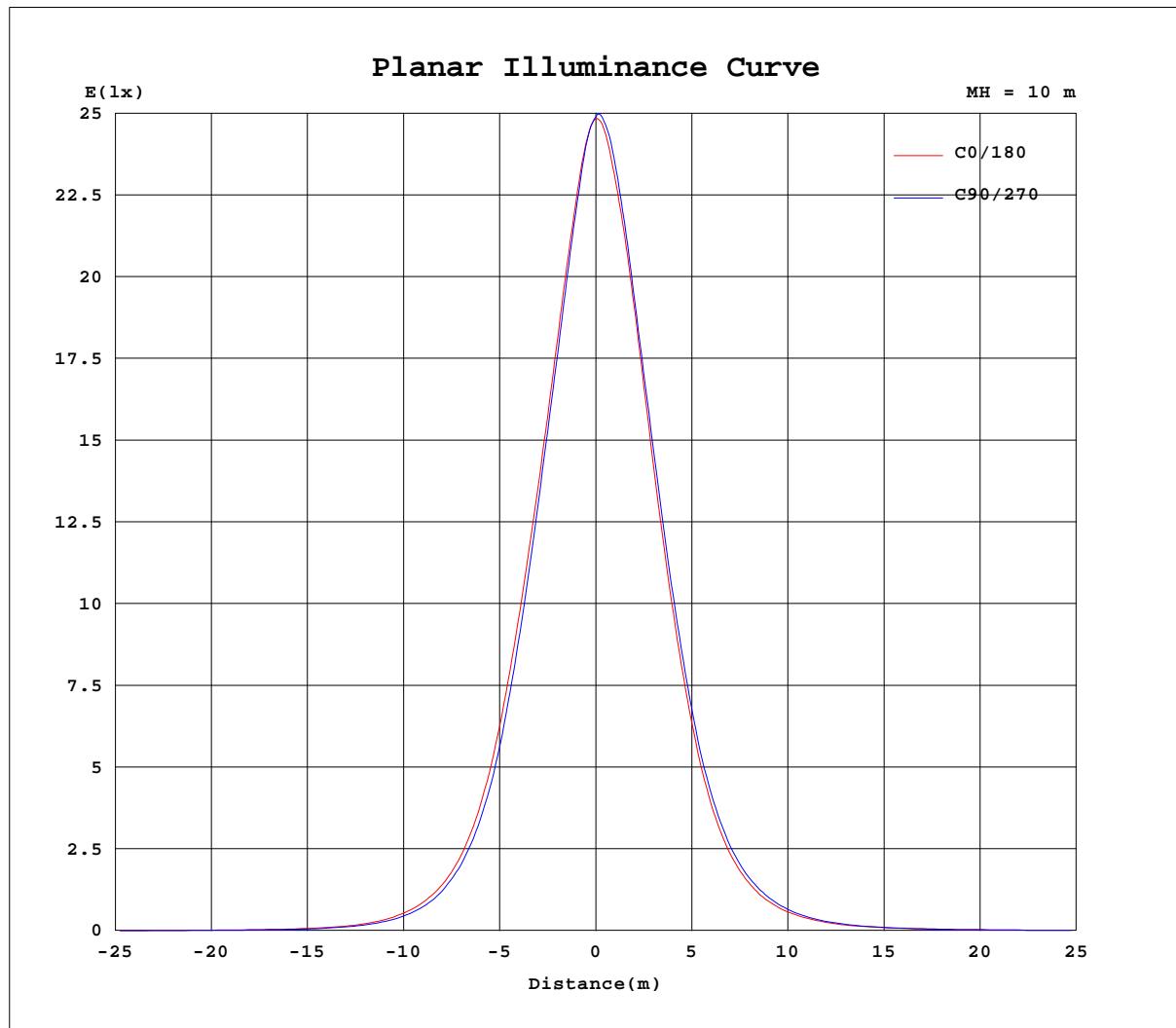
NAME: Mini Linear DC	TYPE:3000K	WEIGHT:
SPEC.: 50 x 50 Beam Angle	DIM.: 605MM	SERIAL No.:IES002391
MFR.:	SUR.:	Shielding Angle:



H(θ) Range:-90 - 90DEG
H(θ) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:
Test Date:2024-05-15

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

Planar Illuminance Curve

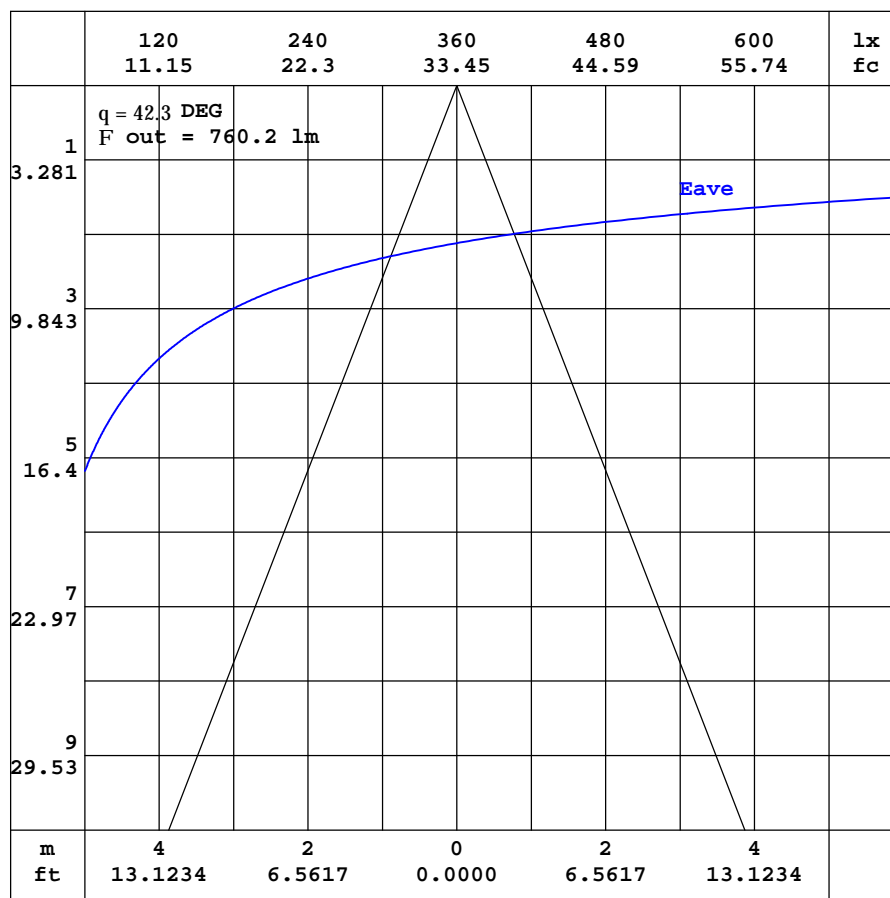


H(θ) Range:-90 - 90DEG
H(θ) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:
Test Date:2024-05-15

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

AAI CURVES

NAME: Mini Linear DC	TYPE:3000K	WEIGHT:
SPEC.: 50 x 50 Beam Angle	DIM.: 605MM	SERIAL No.:IES002391
MFR.:	SUR.:	Shielding Angle:



Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(θ) Range:-90 - 90DEG
H(θ) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:
Test Date:2024-05-15

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

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: Mini Linear DC	TYPE:3000K	WEIGHT:
SPEC.: 50 x 50 Beam Angle	DIM.: 605MM	SERIAL No.:IES002391
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	6.52	6.03	5.72	5.68	5.85	6.31	7.05	8.02	9.15	10.3	11.3	12.1	12.8	13.1	13.1	13.0	12.7	12.4	12.8
-170	6.52	5.92	5.52	5.38	5.42	5.68	6.13	6.75	7.44	8.13	8.68	9.15	9.22	9.28	9.15	9.30	10.1	10.7	11.0
-160	6.52	5.83	5.35	5.09	4.98	5.01	5.17	5.39	5.64	5.86	6.01	6.03	6.07	6.58	7.42	8.18	8.77	9.14	9.31
-150	6.52	5.75	5.18	4.82	4.57	4.41	4.29	4.19	4.05	3.83	3.68	4.23	4.84	5.46	6.02	6.51	6.96	7.27	7.42
-140	6.52	5.69	5.06	4.58	4.22	3.90	3.59	3.25	2.85	2.77	3.00	3.29	3.62	3.95	4.29	4.63	4.92	5.11	5.21
-130	6.52	5.65	4.97	4.40	3.93	3.50	3.08	2.63	2.45	2.49	2.55	2.64	2.76	2.89	3.04	3.20	3.32	3.42	3.46
-120	6.52	5.64	4.92	4.28	3.72	3.21	2.72	2.36	2.37	2.37	2.36	2.36	2.36	2.38	2.42	2.46	2.49	2.52	2.54
-110	6.52	5.66	4.90	4.22	3.59	3.01	2.46	2.30	2.31	2.32	2.32	2.31	2.30	2.30	2.31	2.31	2.32	2.32	2.33
-100	6.52	5.71	4.94	4.21	3.53	2.87	2.24	2.21	2.22	2.23	2.24	2.25	2.25	2.25	2.26	2.27	2.28	2.29	2.29
-90	6.52	5.79	5.06	4.33	3.59	2.86	2.13	2.12	2.11	2.10	2.08	2.07	2.06	2.05	2.04	2.03	2.03	2.02	2.01
-80	6.52	5.90	5.24	4.56	3.93	3.23	2.35	2.32	2.34	2.36	2.37	2.36	2.34	2.33	2.32	2.31	2.30	2.27	2.24
-70	6.52	6.04	5.67	5.44	4.90	4.27	3.31	3.15	3.40	3.67	3.92	4.14	4.43	4.85	5.27	5.63	5.87	5.98	5.96
-60	6.52	6.19	6.49	6.50	6.45	6.02	5.43	4.98	6.11	7.72	9.48	11.4	13.5	15.5	17.4	19.0	20.2	20.9	21.0
-50	6.52	6.52	7.25	8.01	8.35	8.60	9.00	9.90	12.3	16.5	21.7	28.0	35.3	43.1	51.5	59.3	65.5	69.4	70.3
-40	6.52	6.99	8.20	9.54	10.7	12.3	14.9	18.3	23.3	32.9	47.6	67.3	91.3	119	148	177	200	216	220
-30	6.52	7.42	9.32	11.1	13.3	17.0	22.0	29.6	42.0	63.1	96.1	145	208	285	365	448	526	577	591
-20	6.52	7.75	10.2	12.8	16.4	21.9	30.1	42.7	64.9	105	167	262	398	564	755	953	1120	1225	1244
-10	6.52	8.01	11.0	14.2	19.3	26.3	37.1	54.7	87.6	144	233	377	585	863	1185	1501	1766	1932	1958
0	6.52	8.22	11.6	15.4	21.4	29.5	42.3	62.0	100	163	265	428	671	997	1369	1754	2111	2369	2484
10	6.52	8.18	11.4	15.0	20.7	28.5	40.3	59.2	94.3	154	248	395	610	900	1242	1593	1908	2122	2147
20	6.52	8.08	11.0	14.3	19.0	26.0	36.0	50.9	76.8	121	191	294	437	626	850	1091	1303	1408	1429
30	6.52	7.90	10.5	13.2	16.8	22.4	29.9	40.6	56.7	83.4	123	181	255	348	452	563	652	708	723
40	6.52	7.59	9.61	12.1	14.7	18.4	23.7	30.4	39.2	52.0	71.2	97.3	128	166	204	241	273	293	300
50	6.52	7.23	8.84	10.8	12.6	14.7	17.7	21.6	26.6	32.9	40.3	49.5	61.1	73.2	85.5	96.4	105	110	111
60	6.52	6.96	8.21	9.33	10.7	11.9	13.2	14.8	17.4	20.4	23.7	27.2	30.7	34.3	37.0	39.6	41.8	43.0	43.4
70	6.52	6.84	7.41	8.24	8.87	9.57	10.2	10.9	11.7	12.6	13.6	14.5	15.8	16.9	17.9	18.6	19.0	19.2	19.2
80	6.52	6.72	6.92	7.19	7.58	7.96	8.20	8.41	8.62	8.82	9.03	9.24	9.44	9.57	9.69	9.76	9.81	9.81	9.78
90	6.52	6.59	6.66	6.73	6.80	6.86	6.93	6.92	6.91	6.90	6.89	6.88	6.87	6.83	6.78	6.74	6.70	6.66	6.61
100	6.52	6.47	6.42	6.37	6.32	6.28	6.23	6.15	6.07	6.00	5.94	5.87	5.81	5.75	5.71	5.67	5.64	5.62	5.60
110	6.52	6.36	6.23	6.12	6.00	5.90	5.82	5.73	5.66	5.61	5.58	5.56	5.56	5.56	5.56	5.55	5.54	5.53	5.51
120	6.52	6.27	6.09	5.91	5.78	5.71	5.67	5.66	5.67	5.74	5.84	5.95	6.07	6.19	6.32	6.43	6.51	6.56	6.57
130	6.52	6.20	5.96	5.78	5.69	5.67	5.71	5.85	6.07	6.36	6.69	7.03	7.37	7.68	8.00	8.28	8.49	8.64	8.69
140	6.52	6.14	5.86	5.70	5.67	5.74	5.95	6.30	6.79	7.34	7.95	8.55	9.12	9.66	10.1	10.5	10.8	11.0	11.1
150	6.52	6.09	5.79	5.68	5.70	5.90	6.29	6.89	7.62	8.45	9.33	10.2	10.9	11.5	12.0	12.4	12.7	12.9	13.0
160	6.52	6.06	5.76	5.67	5.76	6.08	6.66	7.44	8.39	9.42	10.5	11.4	12.2	12.5	13.0	13.3	13.5	13.6	13.7
170	6.52	6.04	5.73	5.68	5.82	6.24	6.93	7.85	8.93	10.1	11.1	12.0	12.5	13.0	13.1	13.2	13.1	13.1	13.3
180	6.52	6.03	5.72	5.68	5.85	6.31	7.05	8.02	9.15	10.3	11.3	12.1	12.8	13.1	13.1	13.0	12.7	12.4	12.8

H(°) Range:-90 - 90DEG
H(°) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:
Test Date:2024-05-15

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

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: Mini Linear DC	TYPE:3000K	WEIGHT:
SPEC.: 50 x 50 Beam Angle	DIM.: 605MM	SERIAL No.:IES002391
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	11.1	10.3	9.51	8.71	7.79	6.79	5.77	4.80	3.97	3.31	2.83	2.55	2.41	2.36	2.33	2.24	2.07	1.86	
-170	10.4	9.95	9.33	8.52	7.77	6.84	5.80	4.82	3.97	3.30	2.84	2.55	2.41	2.36	2.33	2.24	2.07	1.86	
-160	9.11	8.76	8.27	7.79	7.08	6.27	5.34	4.45	3.70	3.13	2.75	2.52	2.40	2.37	2.33	2.24	2.06	1.86	
-150	7.33	7.08	6.70	6.21	5.65	5.02	4.38	3.80	3.27	2.88	2.62	2.46	2.40	2.36	2.32	2.23	2.05	1.86	
-140	5.16	5.02	4.77	4.46	4.11	3.74	3.39	3.08	2.83	2.64	2.49	2.42	2.38	2.35	2.30	2.20	2.03	1.86	
-130	3.44	3.38	3.27	3.13	2.98	2.83	2.70	2.60	2.51	2.46	2.43	2.39	2.37	2.33	2.26	2.16	2.02	1.86	
-120	2.53	2.51	2.49	2.45	2.42	2.39	2.39	2.38	2.38	2.39	2.39	2.38	2.34	2.29	2.22	2.11	1.98	1.86	
-110	2.33	2.32	2.32	2.31	2.31	2.31	2.32	2.33	2.34	2.35	2.34	2.32	2.27	2.21	2.13	2.05	1.95	1.86	
-100	2.28	2.28	2.27	2.26	2.25	2.24	2.24	2.24	2.24	2.22	2.21	2.20	2.15	2.10	2.04	1.98	1.92	1.86	
-90	2.00	1.99	1.98	1.98	1.97	1.96	1.97	1.97	1.98	1.99	1.99	2.00	1.98	1.95	1.93	1.90	1.88	1.86	
-80	2.24	2.23	2.21	2.19	2.16	2.14	2.14	2.13	2.12	2.10	2.07	2.04	2.05	2.01	1.97	1.90	1.88	1.86	
-70	5.90	5.71	5.40	5.01	4.55	4.11	3.85	3.60	3.35	3.09	2.82	2.66	2.69	2.64	2.36	2.06	1.89	1.86	
-60	20.6	19.5	18.1	16.3	14.3	12.5	10.8	9.01	7.36	5.85	4.69	4.17	3.77	3.46	3.08	2.44	1.96	1.86	
-50	68.3	63.4	56.3	48.1	39.8	32.4	26.0	20.4	15.8	11.9	9.03	6.94	5.48	4.50	3.81	3.02	2.06	1.86	
-40	212	193	168	138	110	85.0	62.3	43.8	30.6	21.6	15.6	11.2	8.10	5.88	4.52	3.49	2.17	1.86	
-30	565	505	421	342	266	195	135	90.2	57.2	36.5	24.2	16.4	11.1	7.58	5.30	3.95	2.31	1.86	
-20	1194	1066	897	706	526	372	245	157	95.4	55.9	34.0	21.7	14.1	9.34	6.11	4.32	2.45	1.86	
-10	1846	1651	1393	1109	817	560	362	224	133	74.5	42.7	26.2	16.6	10.7	6.75	4.61	2.56	1.86	
0	2318	2005	1662	1322	980	665	422	258	153	83.7	47.4	28.8	18.0	11.5	7.17	4.79	2.61	1.86	
10	1998	1744	1445	1143	841	578	376	236	143	80.8	47.3	29.4	18.7	12.0	7.53	5.02	2.72	1.86	
20	1360	1216	1008	780	574	403	275	179	111	67.5	42.2	27.5	18.0	11.8	7.59	5.11	2.76	1.86	
30	689	617	520	417	322	237	169	115	76.6	51.3	34.9	23.9	16.3	11.0	7.35	5.05	2.75	1.86	
40	287	261	227	190	154	120	90.5	67.0	49.7	37.1	27.1	19.6	14.0	9.82	6.97	4.84	2.74	1.86	
50	108	101	92.0	80.4	69.0	57.3	47.1	38.5	31.5	25.5	20.2	15.4	11.5	8.64	6.47	4.52	2.72	1.86	
60	42.6	40.8	38.4	35.6	32.5	29.0	25.7	22.5	19.4	16.7	14.3	11.8	9.48	7.54	5.77	4.03	2.68	1.86	
70	19.0	18.6	17.9	17.0	16.0	14.8	13.8	12.9	12.0	11.1	10.3	9.30	7.77	6.39	4.97	3.69	2.63	1.86	
80	9.71	9.60	9.46	9.28	9.08	8.87	8.67	8.46	8.25	8.02	7.78	7.48	6.45	5.42	4.42	3.47	2.63	1.86	
90	6.59	6.57	6.55	6.54	6.52	6.50	6.49	6.49	6.48	6.47	6.47	6.46	5.70	4.93	4.16	3.39	2.62	1.86	
100	5.59	5.59	5.59	5.60	5.61	5.63	5.67	5.71	5.76	5.81	5.87	5.88	5.29	4.68	4.03	3.35	2.62	1.86	
110	5.52	5.53	5.53	5.53	5.52	5.51	5.50	5.50	5.51	5.53	5.56	5.46	4.96	4.44	3.89	3.28	2.61	1.86	
120	6.59	6.56	6.49	6.40	6.27	6.13	5.99	5.84	5.72	5.61	5.54	5.17	4.69	4.22	3.73	3.18	2.57	1.86	
130	8.69	8.60	8.43	8.18	7.88	7.54	7.18	6.80	6.43	6.10	5.61	4.95	4.43	3.99	3.55	3.08	2.52	1.86	
140	11.1	11.0	10.7	10.4	9.93	9.40	8.80	8.15	7.51	6.64	5.58	4.77	4.18	3.74	3.35	2.94	2.45	1.86	
150	13.0	12.8	12.6	12.3	11.8	11.2	10.4	9.61	8.02	6.54	5.37	4.49	3.87	3.45	3.13	2.80	2.37	1.86	
160	13.6	13.5	13.4	13.3	13.0	12.5	10.8	9.01	7.36	5.95	4.84	4.02	3.48	3.13	2.88	2.62	2.28	1.86	
170	13.0	13.2	13.4	12.7	11.5	10.1	8.69	7.26	5.95	4.84	3.97	3.36	2.98	2.76	2.61	2.44	2.18	1.86	
180	11.1	10.3	9.51	8.71	7.79	6.79	5.77	4.80	3.97	3.31	2.83	2.55	2.41	2.36	2.33	2.24	2.07	1.86	

H(θ) Range:-90 - 90DEG
H(θ) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:
Test Date:2024-05-15

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