

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

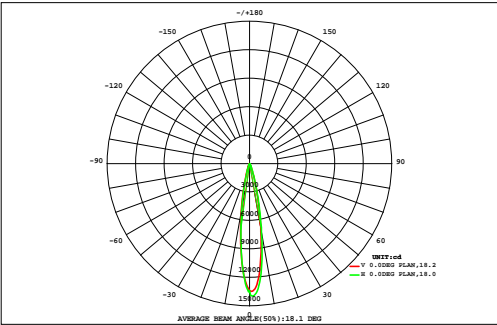
Maximum Intensity		6866.3 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	35.0V x 35.7H
	At 50% of Imax	17.9V x 18.2H
	At 90% of Imax	7.0V x 7.1H
Beam Flux	Total	1000.2 lumens per klm.
	To 10% of Imax	737.9 lumens per klm.
	To 50% of Imax	375.2 lumens per klm.
	To 90% of Imax	68.7 lumens per klm.
	Upward LOR	2.3 %
	Downward LOR	97.7 %
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.: 15 X 15 degree	DIM.: 605MM	SERIAL No.:IES002389
MFR.:	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:111.50lm/W	
MODEL		Imax(cd)	13966
NOMINAL POWER(W)	18.24	AVAILABILITY(%)	73.8
RATED VOLTAGE(V)	24	Avai. FLUX(lm)	1500
NOMINAL FLUX(lm)	2034	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	2034
TEST VOLTAGE(V)	24	q @50%(H,V)	18,18DEG

27 24 21 18 15 12 9 0 -9 -12 -15 -18 -21 -24 -27		AREA FLUX DIAGRAM																UNIT:lm			F t	F a
		0.43	0.53	0.63	0.77	0.91	1.04	1.16	1.25	1.30	1.30	1.24	1.14	1.02	0.90	0.76	0.64	0.52	0.42	16.0	0.00	
VERTICAL(DEG)	0.51	0.63	0.78	0.97	1.21	1.46	1.71	1.91	2.02	2.01	1.88	1.67	1.42	1.18	0.96	0.78	0.63	0.50	22.2	0.00		
	0.59	0.75	0.96	1.26	1.67	2.19	2.73	3.20	3.48	3.44	3.11	2.62	2.09	1.62	1.23	0.96	0.75	0.59	33.2	3.61		
	0.68	0.88	1.19	1.66	2.38	3.44	4.63	5.66	6.31	6.24	5.49	4.39	3.25	2.29	1.63	1.18	0.88	0.68	52.9	33.4		
	0.76	1.03	1.46	2.20	3.45	5.34	7.81	9.90	11.2	11.1	9.61	7.43	5.09	3.33	2.16	1.46	1.03	0.76	85.1	69.7		
	0.84	1.18	1.77	2.87	4.75	7.84	11.9	16.0	18.4	18.2	15.5	11.5	7.65	4.66	2.84	1.80	1.20	0.83	130	116		
	0.90	1.32	2.07	3.51	6.11	10.4	16.4	23.0	26.9	26.6	22.4	16.2	10.4	6.27	3.72	2.22	1.37	0.90	181	168		
	0.95	1.40	2.27	3.97	7.18	12.4	19.7	28.2	34.1	33.7	28.0	20.3	13.5	8.25	4.68	2.64	1.53	0.96	224	212		
	0.96	1.42	2.31	4.09	7.51	13.0	20.7	29.4	36.2	36.5	31.5	24.2	16.3	9.77	5.42	2.93	1.63	0.98	245	234		
	0.93	1.39	2.26	4.03	7.41	12.8	20.4	28.9	34.4	34.7	30.9	23.8	16.0	9.66	5.35	2.89	1.60	0.96	238	227		
	0.88	1.32	2.14	3.78	6.91	11.8	18.4	24.4	27.9	27.5	24.2	18.9	12.9	7.95	4.49	2.51	1.45	0.89	198	187		
	0.79	1.17	1.87	3.21	5.64	9.20	13.2	16.9	19.2	19.0	16.4	13.0	9.20	5.80	3.43	2.03	1.24	0.79	142	130		
	0.68	0.99	1.53	2.46	3.94	6.01	8.37	10.6	11.8	11.7	10.2	8.04	5.87	3.89	2.46	1.56	1.02	0.68	91.8	78.2		
	0.57	0.80	1.17	1.74	2.56	3.67	4.88	6.05	6.69	6.61	5.83	4.61	3.52	2.50	1.72	1.17	0.81	0.57	55.5	36.7		
	0.46	0.63	0.87	1.21	1.66	2.20	2.80	3.32	3.56	3.52	3.21	2.67	2.09	1.61	1.20	0.88	0.64	0.47	33.0	4.65		
	0.38	0.50	0.65	0.85	1.10	1.38	1.66	1.88	1.98	1.96	1.84	1.60	1.32	1.07	0.85	0.66	0.50	0.38	20.5	0.00		
	0.30	0.39	0.49	0.61	0.75	0.90	1.04	1.14	1.19	1.18	1.13	1.02	0.88	0.74	0.61	0.49	0.39	0.30	13.6	0.00		
0.24	0.30	0.37	0.45	0.53	0.62	0.69	0.75	0.77	0.76	0.74	0.69	0.61	0.53	0.45	0.38	0.30	0.24	9.43	0.00			
-27 -24 -21 -18 -15 -12 -9 -6 HORIZONTAL(DEG) 6 9 12 15 18 21 24 27																						
F t	11.9	16.6	24.8	39.6	65.7	106	158	212	247	246	213	164	113	72.0	44.0	27.2	17.5	11.9	1791	---		
F a	0.00	0.00	0.00	13.5	49.3	92.0	146	200	236	235	201	151	98.7	55.7	22.0	0.00	0.00	0.00	---	1500		

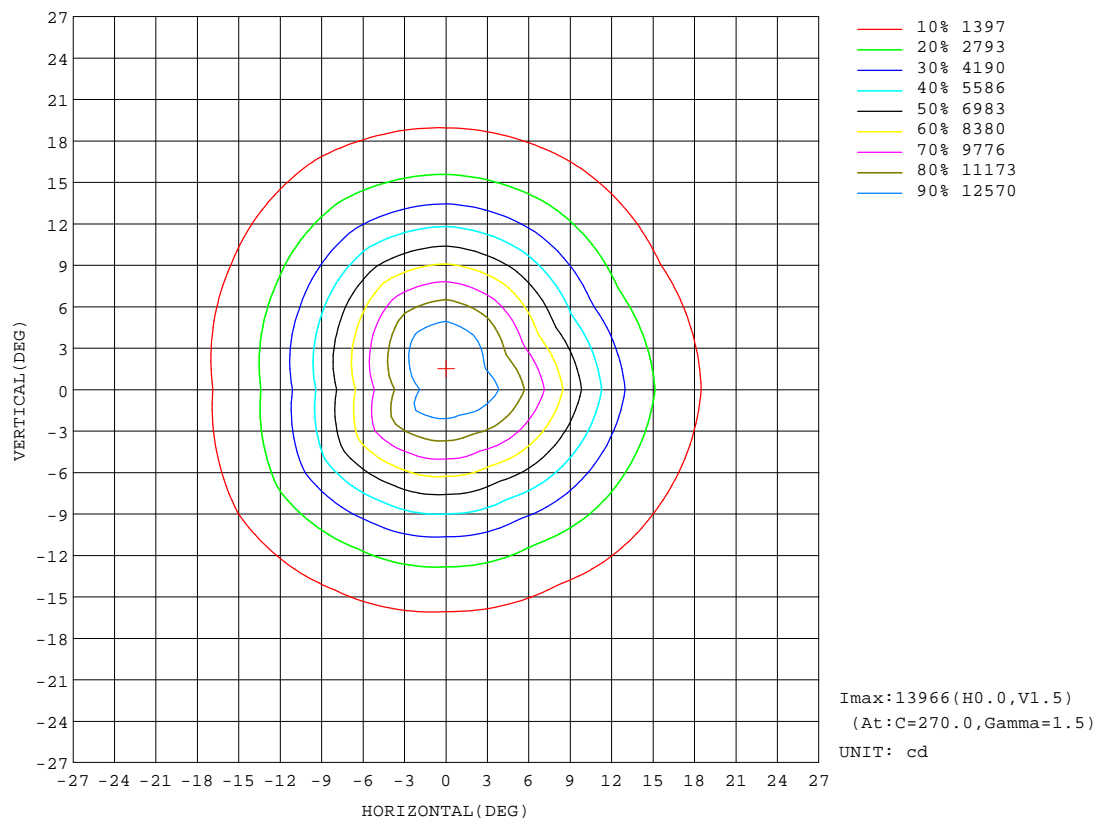
one-half-peak spread: U:9.2,D:8.9 , L:9.2,R:9.1 NEMA Beam Type: Type 3

H(β) Range:-90 - 90DEG
H(β) 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.: 15 X 15 beam angle	DIM.: 605MM	SERIAL No.:IES002389
MFR.:	SUR.:	Shielding Angle:

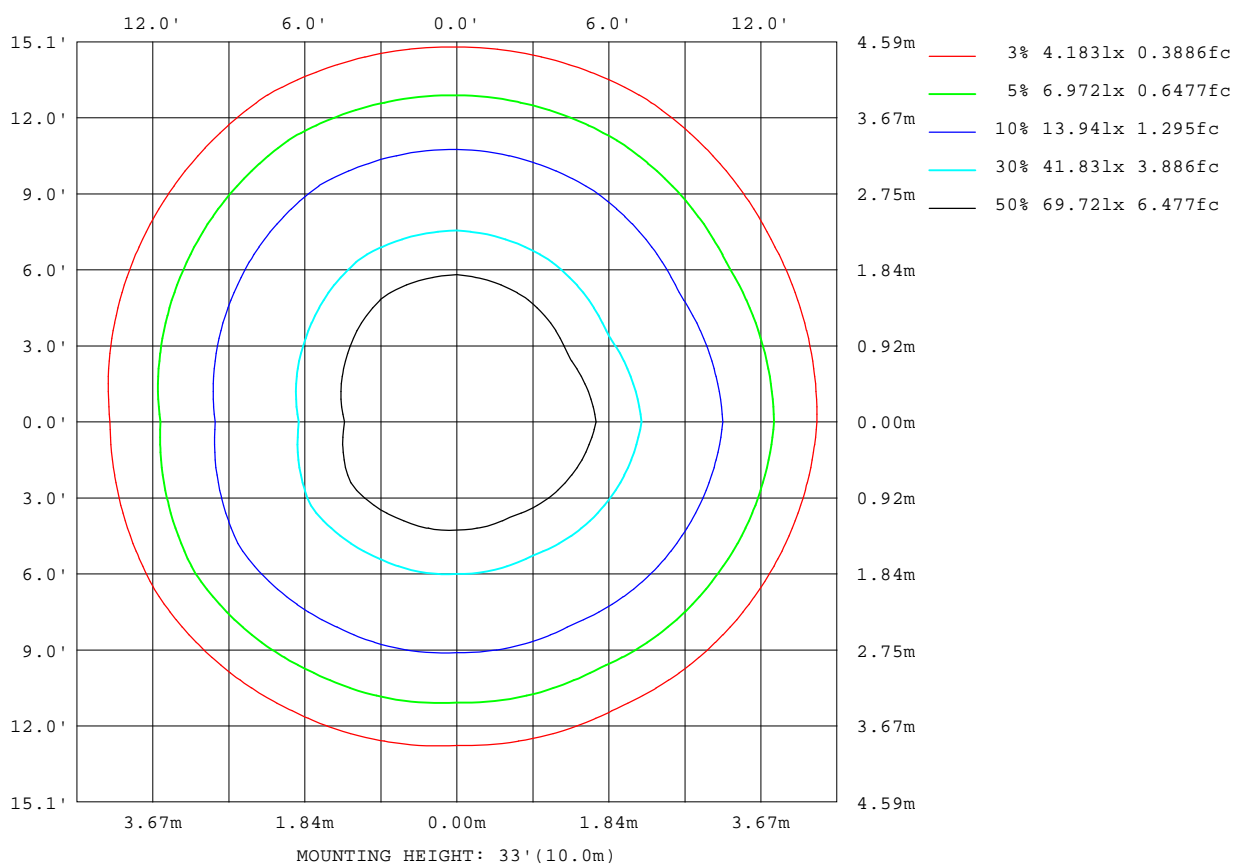


H(θ) Range:-90 - 90DEG
H(θ) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:
Test Date:2024-05-15

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

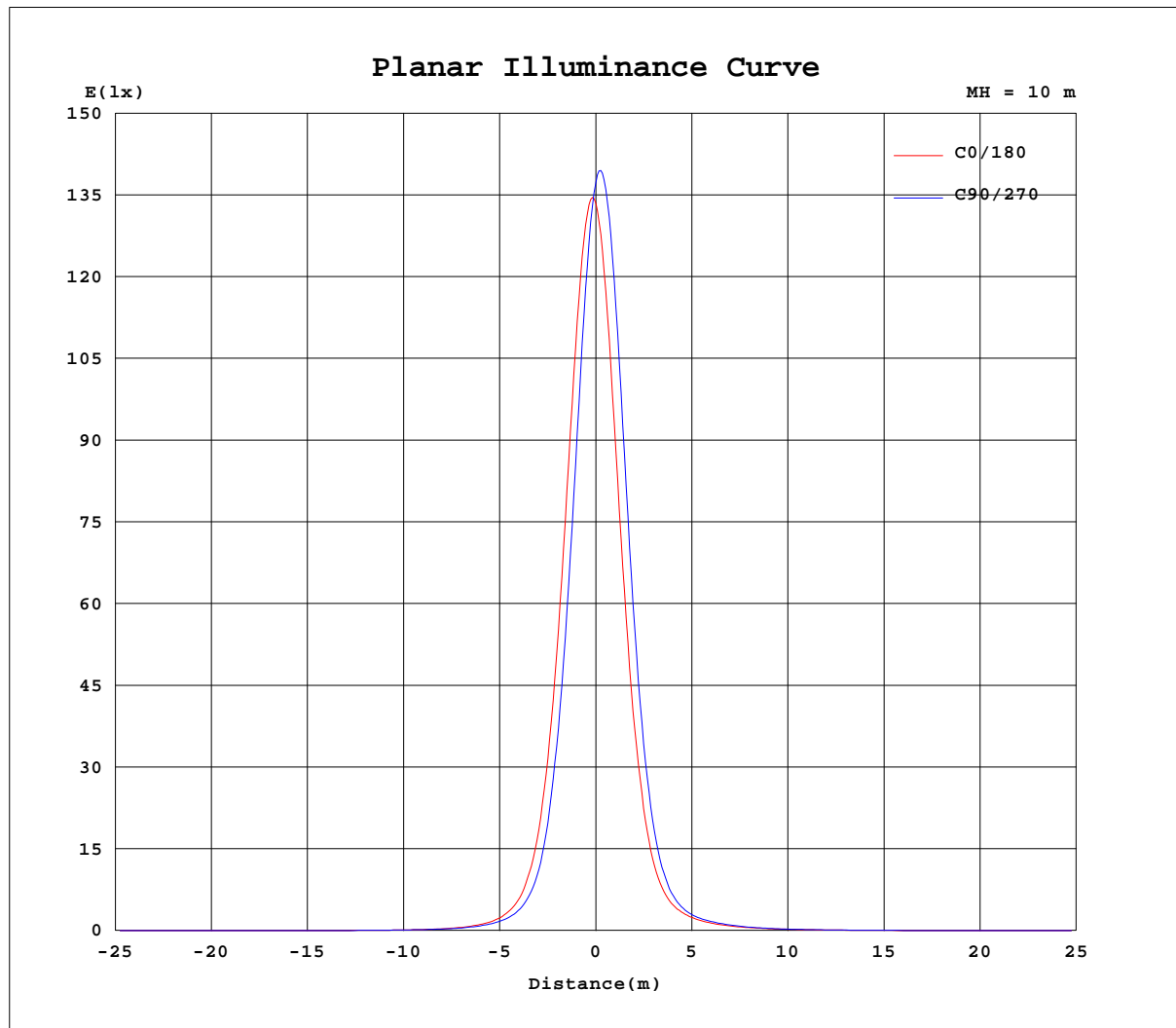
NAME: Mini Linear DC	TYPE:3000K	WEIGHT:
SPEC.: 15 X 15 beam angle	DIM.: 605MM	SERIAL No.:IES002389
MFR.:	SUR.:	Shielding Angle:



H(h) Range:-90 - 90DEG
H(h) 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

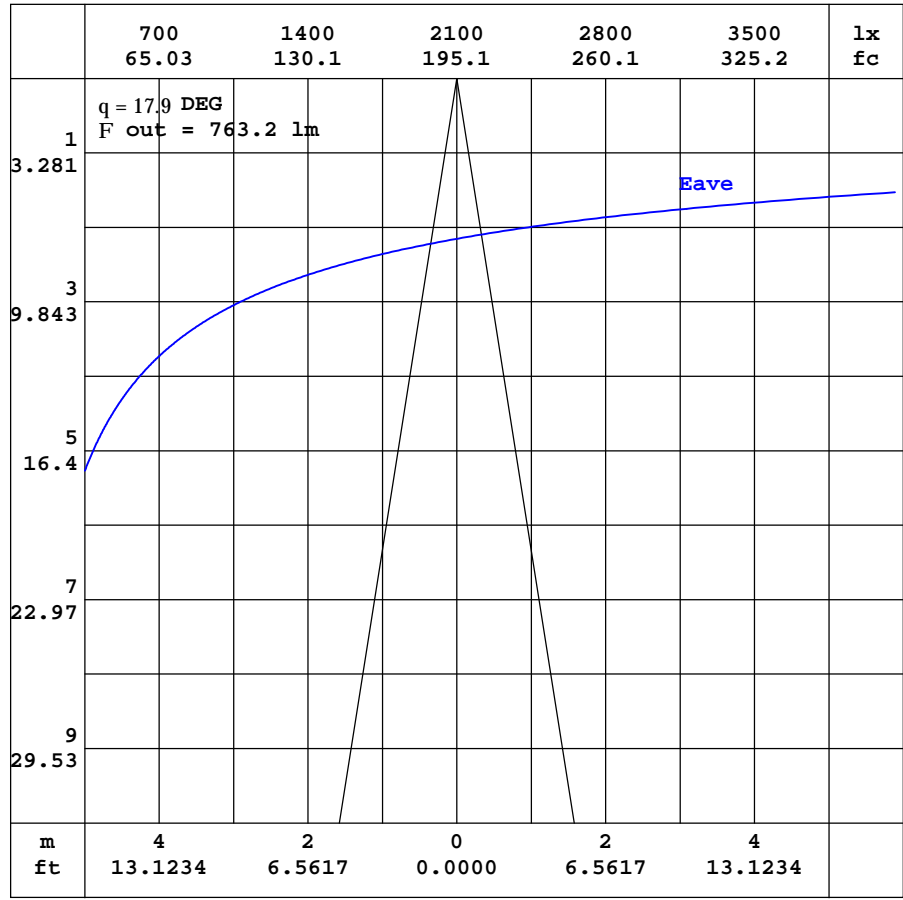


H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:
Test Date:2024-05-15

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.:15 X 15 beam angle	DIM.: 605MM	SERIAL No.:IES002389
MFR.:	SUR.:	Shielding Angle:



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

H(h) Range:-90 - 90DEG	V(B) Range:-180 - 180DEG
H(h) Interval: 0.5DEG	V(B) Interval: 0.5DEG
Test Speed: LOW	Test System:GO-2000B_V1 SYSTEM V2.0.351
Temperature:25.3DEG	Humidity:65.0%
Operators:	Test Distance:8.630m [K=1.0000]
Test Date:2024-05-15	Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: Mini Linear DC	TYPE:3000K	WEIGHT:
SPEC.:15 X 15 beam angle	DIM.: 605MM	SERIAL No.:IES002389
MFR.:	SUR.:	Shielding Angle:

Table--1

UNIT: x10cd

H(°) \ V(°)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-180	0.71	0.63	0.56	0.52	0.52	0.55	0.65	0.84	1.12	1.40	1.62	1.74	1.75	1.72	1.68	1.64	1.54	1.46	1.55
-170	0.71	0.62	0.55	0.51	0.50	0.51	0.56	0.67	0.85	1.02	1.17	1.25	1.28	1.30	1.31	1.34	1.43	1.51	1.55
-160	0.71	0.62	0.55	0.51	0.49	0.47	0.47	0.50	0.56	0.63	0.68	0.71	0.75	0.92	1.09	1.25	1.38	1.45	1.49
-150	0.71	0.62	0.55	0.50	0.48	0.45	0.42	0.38	0.35	0.32	0.29	0.38	0.51	0.64	0.77	0.89	0.98	1.04	1.07
-140	0.71	0.62	0.55	0.50	0.47	0.44	0.40	0.34	0.26	0.21	0.21	0.24	0.29	0.35	0.42	0.48	0.54	0.57	0.59
-130	0.71	0.62	0.55	0.51	0.47	0.44	0.41	0.35	0.30	0.26	0.23	0.20	0.20	0.19	0.21	0.22	0.24	0.25	0.25
-120	0.71	0.62	0.56	0.51	0.47	0.45	0.42	0.39	0.38	0.35	0.33	0.30	0.27	0.25	0.23	0.21	0.20	0.20	0.19
-110	0.71	0.63	0.56	0.51	0.47	0.44	0.42	0.41	0.41	0.41	0.41	0.40	0.39	0.38	0.37	0.36	0.36	0.35	0.35
-100	0.71	0.64	0.57	0.52	0.47	0.42	0.39	0.39	0.40	0.40	0.41	0.41	0.41	0.42	0.42	0.42	0.42	0.42	0.42
-90	0.71	0.65	0.58	0.52	0.46	0.39	0.33	0.33	0.33	0.34	0.34	0.34	0.34	0.35	0.35	0.35	0.35	0.35	0.35
-80	0.71	0.66	0.60	0.54	0.47	0.39	0.29	0.28	0.27	0.27	0.26	0.25	0.25	0.24	0.24	0.23	0.23	0.23	0.23
-70	0.71	0.67	0.64	0.59	0.51	0.41	0.29	0.25	0.25	0.25	0.26	0.27	0.28	0.30	0.31	0.32	0.33	0.33	0.33
-60	0.71	0.69	0.69	0.64	0.57	0.48	0.38	0.30	0.34	0.40	0.49	0.59	0.70	0.80	0.89	0.96	1.02	1.04	1.04
-50	0.71	0.72	0.74	0.71	0.67	0.62	0.56	0.53	0.61	0.82	1.07	1.35	1.67	1.99	2.26	2.47	2.62	2.69	2.69
-40	0.71	0.76	0.80	0.80	0.81	0.83	0.90	1.02	1.17	1.50	2.03	2.64	3.28	3.96	4.62	5.22	5.68	5.97	6.03
-30	0.71	0.79	0.85	0.90	0.98	1.12	1.38	1.74	2.18	2.67	3.30	4.43	5.81	7.44	9.49	11.9	14.2	15.8	16.3
-20	0.71	0.82	0.91	1.01	1.17	1.46	1.94	2.61	3.40	4.38	5.67	7.37	10.0	15.2	22.8	34.2	48.6	61.5	65.0
-10	0.71	0.84	0.97	1.12	1.35	1.79	2.51	3.45	4.62	6.19	8.56	12.1	18.3	29.9	56.6	124	255	406	472
0	0.71	0.86	1.02	1.21	1.51	2.06	2.95	4.12	5.59	7.66	10.9	15.9	24.3	40.3	79.3	202	505	996	1335
10	0.71	0.86	1.01	1.20	1.49	2.00	2.84	3.96	5.39	7.35	10.4	15.1	22.9	35.9	65.3	143	329	606	738
20	0.71	0.85	1.00	1.17	1.42	1.85	2.54	3.51	4.75	6.33	8.56	11.8	16.8	24.0	34.4	51.6	77.8	104	116
30	0.71	0.84	0.97	1.12	1.32	1.64	2.15	2.87	3.80	4.96	6.41	8.31	10.8	13.9	17.7	21.8	25.6	28.6	29.7
40	0.71	0.82	0.94	1.06	1.21	1.43	1.75	2.20	2.80	3.56	4.51	5.60	6.76	8.06	9.41	10.5	11.5	12.1	12.2
50	0.71	0.79	0.91	1.00	1.11	1.24	1.41	1.65	1.98	2.41	2.92	3.48	4.11	4.73	5.26	5.67	5.94	6.09	6.12
60	0.71	0.77	0.87	0.94	1.01	1.09	1.18	1.29	1.42	1.59	1.81	2.04	2.30	2.56	2.74	2.91	3.04	3.10	3.11
70	0.71	0.75	0.81	0.88	0.92	0.96	1.01	1.05	1.10	1.16	1.22	1.28	1.33	1.39	1.45	1.49	1.52	1.53	1.54
80	0.71	0.74	0.76	0.79	0.83	0.86	0.88	0.90	0.92	0.94	0.95	0.97	0.98	0.99	1.00	1.00	1.01	1.01	1.01
90	0.71	0.72	0.73	0.74	0.75	0.75	0.76	0.76	0.77	0.77	0.77	0.77	0.78	0.77	0.77	0.77	0.77	0.76	0.76
100	0.71	0.70	0.70	0.69	0.68	0.67	0.66	0.65	0.64	0.63	0.62	0.61	0.60	0.59	0.58	0.58	0.57	0.57	0.57
110	0.71	0.69	0.67	0.64	0.62	0.60	0.58	0.57	0.55	0.54	0.53	0.53	0.52	0.52	0.52	0.52	0.52	0.52	0.52
120	0.71	0.67	0.64	0.61	0.58	0.55	0.54	0.53	0.52	0.52	0.52	0.52	0.53	0.53	0.54	0.55	0.55	0.56	0.56
130	0.71	0.66	0.61	0.58	0.54	0.53	0.52	0.52	0.53	0.55	0.58	0.63	0.68	0.73	0.79	0.86	0.91	0.93	0.94
140	0.71	0.65	0.60	0.55	0.53	0.52	0.52	0.55	0.60	0.69	0.80	0.94	1.09	1.23	1.35	1.45	1.52	1.56	1.57
150	0.71	0.64	0.58	0.54	0.52	0.52	0.55	0.62	0.74	0.92	1.13	1.35	1.53	1.66	1.74	1.79	1.83	1.84	1.85
160	0.71	0.64	0.57	0.53	0.52	0.53	0.59	0.71	0.92	1.17	1.42	1.62	1.75	1.82	1.87	1.91	1.95	1.97	1.98
170	0.71	0.63	0.57	0.53	0.52	0.55	0.63	0.80	1.05	1.34	1.58	1.73	1.79	1.83	1.85	1.87	1.87	1.89	1.93
180	0.71	0.63	0.56	0.52	0.52	0.55	0.65	0.84	1.12	1.40	1.62	1.74	1.75	1.72	1.68	1.64	1.54	1.46	1.55

H(°) Range:-90 - 90DEG
 H(°) Interval: 0.5DEG
 Test Speed: LOW
 Temperature:25.3DEG
 Operators:
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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]
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LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: Mini Linear DC	TYPE:3000K	WEIGHT:
SPEC.: 15 X 15 beam angle	DIM.: 605MM	SERIAL No.:IES002389
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: ×10cd

H(°) V(°)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-180	1.31	1.29	1.25	1.15	1.02	0.87	0.69	0.50	0.35	0.25	0.22	0.25	0.32	0.38	0.41	0.40	0.36	0.30	
-170	1.50	1.43	1.33	1.21	1.06	0.88	0.68	0.49	0.33	0.24	0.22	0.25	0.32	0.38	0.41	0.40	0.36	0.30	
-160	1.45	1.38	1.25	1.10	0.93	0.75	0.56	0.40	0.28	0.22	0.22	0.27	0.33	0.39	0.41	0.40	0.36	0.30	
-150	1.05	0.99	0.91	0.78	0.65	0.51	0.39	0.29	0.23	0.22	0.24	0.29	0.35	0.40	0.41	0.40	0.35	0.30	
-140	0.58	0.55	0.50	0.43	0.36	0.29	0.24	0.21	0.21	0.24	0.28	0.33	0.38	0.41	0.41	0.39	0.35	0.30	
-130	0.25	0.24	0.23	0.21	0.20	0.20	0.20	0.22	0.26	0.30	0.34	0.38	0.40	0.41	0.40	0.38	0.34	0.30	
-120	0.20	0.20	0.21	0.22	0.24	0.26	0.29	0.32	0.35	0.37	0.39	0.40	0.41	0.41	0.39	0.37	0.33	0.30	
-110	0.35	0.36	0.36	0.37	0.38	0.39	0.39	0.40	0.41	0.41	0.41	0.41	0.40	0.39	0.37	0.35	0.32	0.30	
-100	0.42	0.42	0.42	0.42	0.41	0.41	0.41	0.41	0.40	0.40	0.39	0.38	0.37	0.36	0.34	0.33	0.31	0.30	
-90	0.35	0.35	0.35	0.35	0.34	0.34	0.34	0.34	0.33	0.33	0.32	0.32	0.32	0.31	0.31	0.30	0.30	0.30	
-80	0.23	0.23	0.23	0.23	0.23	0.24	0.24	0.25	0.25	0.26	0.26	0.27	0.27	0.28	0.28	0.28	0.29	0.30	
-70	0.32	0.31	0.30	0.28	0.27	0.25	0.24	0.23	0.23	0.23	0.23	0.23	0.24	0.25	0.26	0.27	0.28	0.30	
-60	1.01	0.96	0.89	0.80	0.70	0.61	0.51	0.42	0.35	0.30	0.26	0.25	0.24	0.24	0.25	0.26	0.27	0.30	
-50	2.64	2.51	2.31	2.06	1.77	1.47	1.18	0.93	0.71	0.53	0.40	0.32	0.28	0.25	0.25	0.26	0.27	0.30	
-40	5.90	5.54	4.99	4.33	3.61	2.94	2.32	1.78	1.31	0.95	0.68	0.48	0.35	0.28	0.25	0.25	0.27	0.30	
-30	15.8	14.1	11.8	9.35	7.15	5.34	3.91	2.86	2.10	1.54	1.08	0.71	0.46	0.32	0.27	0.25	0.26	0.30	
-20	60.0	46.6	33.7	23.0	15.3	9.77	6.36	4.25	2.96	2.12	1.50	0.98	0.59	0.37	0.28	0.25	0.26	0.30	
-10	388	250	123	58.1	29.9	16.5	9.46	5.70	3.69	2.57	1.82	1.20	0.71	0.42	0.30	0.26	0.26	0.30	
0	1175	681	287	105	42.3	20.8	11.4	6.47	4.04	2.79	1.99	1.33	0.77	0.44	0.31	0.26	0.26	0.30	
10	585	324	141	66.6	35.7	21.0	12.4	7.46	4.84	3.35	2.33	1.53	0.92	0.55	0.38	0.30	0.28	0.30	
20	101	74.5	50.4	34.4	24.0	16.4	10.6	7.07	4.93	3.47	2.41	1.58	0.99	0.63	0.44	0.34	0.30	0.30	
30	28.6	25.6	21.8	17.4	13.3	10.1	7.69	5.98	4.40	3.17	2.22	1.49	0.99	0.67	0.48	0.37	0.31	0.30	
40	11.9	11.1	10.1	8.81	7.52	6.30	5.23	4.23	3.37	2.59	1.88	1.33	0.95	0.69	0.51	0.40	0.32	0.30	
50	6.01	5.77	5.41	4.93	4.40	3.83	3.27	2.76	2.30	1.91	1.54	1.18	0.90	0.69	0.53	0.42	0.34	0.30	
60	3.06	2.96	2.80	2.62	2.42	2.18	1.95	1.73	1.54	1.38	1.26	1.06	0.85	0.68	0.54	0.43	0.35	0.30	
70	1.52	1.50	1.46	1.41	1.35	1.29	1.24	1.19	1.13	1.08	1.03	0.94	0.79	0.66	0.54	0.44	0.35	0.30	
80	1.00	1.00	0.99	0.98	0.97	0.95	0.94	0.92	0.91	0.89	0.87	0.84	0.73	0.63	0.53	0.43	0.36	0.30	
90	0.76	0.76	0.76	0.75	0.75	0.75	0.75	0.74	0.74	0.74	0.73	0.73	0.66	0.59	0.51	0.44	0.37	0.30	
100	0.57	0.57	0.57	0.57	0.58	0.58	0.59	0.60	0.61	0.62	0.63	0.64	0.60	0.56	0.50	0.44	0.37	0.30	
110	0.52	0.52	0.52	0.52	0.51	0.51	0.52	0.52	0.53	0.54	0.55	0.56	0.55	0.52	0.49	0.44	0.38	0.30	
120	0.56	0.56	0.55	0.54	0.54	0.53	0.52	0.51	0.51	0.51	0.52	0.51	0.51	0.50	0.48	0.44	0.38	0.30	
130	0.94	0.92	0.87	0.81	0.75	0.69	0.63	0.59	0.55	0.52	0.50	0.49	0.48	0.48	0.47	0.44	0.38	0.30	
140	1.56	1.53	1.46	1.37	1.25	1.10	0.95	0.81	0.69	0.58	0.50	0.46	0.46	0.46	0.45	0.43	0.38	0.30	
150	1.84	1.82	1.79	1.74	1.66	1.53	1.35	1.14	0.84	0.61	0.48	0.43	0.43	0.44	0.44	0.43	0.38	0.30	
160	1.97	1.95	1.90	1.86	1.82	1.74	1.47	1.14	0.82	0.58	0.44	0.39	0.39	0.42	0.43	0.42	0.37	0.30	
170	1.90	1.87	1.86	1.76	1.58	1.37	1.15	0.89	0.64	0.45	0.35	0.32	0.35	0.40	0.42	0.41	0.37	0.30	
180	1.31	1.29	1.25	1.15	1.02	0.87	0.69	0.50	0.35	0.25	0.22	0.25	0.32	0.38	0.41	0.40	0.36	0.30	

H(β) Range:-90 - 90DEG
H(β) 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: