

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

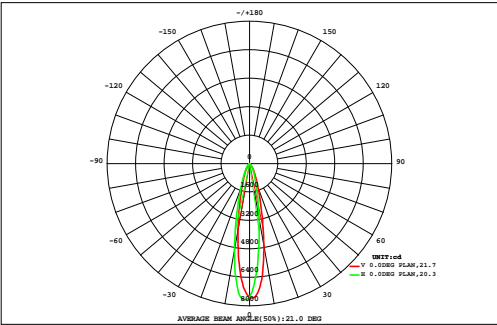
Maximum Intensity		4080.8 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	48.1V x 49.8H
	At 50% of Imax	20.4V x 21.7H
	At 90% of Imax	7.9V x 8.6H
Beam Flux	Total	1000.2 lumens per klm.
	To 10% of Imax	717.9 lumens per klm.
	To 50% of Imax	311.0 lumens per klm.
	To 90% of Imax	68.6 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:2024-05-20

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.: 20 X 20 Beam Angle	DIM.: 605MM	SERIAL No.:IES002405
MFR.:	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:102.85lm/W	
MODEL		Imax(cd)	7656
NOMINAL POWER(W)	18.24	AVAILABILITY(%)	71.7
RATED VOLTAGE(V)	24	Avai. FLUX(lm)	1345
NOMINAL FLUX(lm)	1876	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	1876
TEST VOLTAGE(V)	24	q @50%(H,V)	22,20DEG

		AREA FLUX DIAGRAM																UNIT:lm				F t	F a
VERTICAL(DEG)	45	0.20	0.27	0.35	0.45	0.56	0.66	0.76	0.83	0.87	0.87	0.83	0.76	0.66	0.56	0.45	0.35	0.27	0.21	9.91	0.00		
	40	0.25	0.34	0.47	0.62	0.81	1.00	1.19	1.34	1.41	1.42	1.35	1.20	1.01	0.81	0.63	0.47	0.35	0.25	14.9	0.00		
	35	0.31	0.44	0.62	0.88	1.19	1.55	1.92	2.21	2.35	2.36	2.23	1.95	1.58	1.22	0.90	0.64	0.44	0.31	23.1	0.00		
	30	0.37	0.56	0.84	1.24	1.78	2.40	3.00	3.48	3.73	3.74	3.52	3.06	2.47	1.85	1.29	0.87	0.57	0.37	35.1	0.00		
	25	0.45	0.70	1.11	1.72	2.55	3.49	4.46	5.31	5.78	5.80	5.37	4.55	3.60	2.67	1.83	1.17	0.72	0.43	51.7	8.98		
	20	0.53	0.88	1.44	2.29	3.43	4.86	6.59	8.41	9.57	9.58	8.48	6.72	5.03	3.61	2.45	1.53	0.90	0.51	76.8	49.8		
	15	0.62	1.05	1.78	2.88	4.39	6.59	9.94	14.1	17.2	17.2	14.2	10.2	6.85	4.66	3.10	1.91	1.08	0.59	118	96.3		
	10	0.68	1.19	2.07	3.39	5.36	8.72	14.5	23.3	31.0	30.9	23.5	15.2	9.51	5.91	3.72	2.25	1.24	0.65	183	163		
	5	0.73	1.28	2.26	3.74	6.10	10.6	19.3	33.4	47.3	48.2	36.8	22.7	12.7	7.08	4.19	2.48	1.34	0.68	261	243		
	0	0.73	1.30	2.30	3.84	6.43	11.6	22.2	40.0	54.8	55.6	43.6	25.8	13.8	7.44	4.31	2.53	1.37	0.69	298	281		
	-5	0.69	1.23	2.19	3.67	6.15	11.1	20.3	33.6	44.5	44.5	34.3	21.4	12.1	6.77	4.05	2.40	1.30	0.66	251	233		
	-10	0.62	1.10	1.95	3.23	5.26	8.73	14.2	21.1	26.9	27.0	21.3	14.6	9.14	5.63	3.54	2.13	1.15	0.59	168	149		
	-15	0.53	0.92	1.61	2.65	4.10	6.16	9.02	12.3	14.7	14.8	12.3	9.19	6.40	4.37	2.90	1.75	0.95	0.51	105	82.6		
	-20	0.43	0.73	1.23	2.02	3.03	4.28	5.73	7.18	8.18	8.20	7.24	5.83	4.46	3.24	2.19	1.32	0.75	0.41	66.5	36.6		
	-25	0.33	0.55	0.91	1.44	2.14	2.92	3.73	4.45	4.89	4.91	4.51	3.83	3.05	2.27	1.53	0.95	0.56	0.33	43.3	1.66		
	-30	0.25	0.41	0.64	0.98	1.43	1.93	2.42	2.82	3.06	3.08	2.87	2.48	2.00	1.48	1.01	0.66	0.41	0.25	28.2	0.00		
	-35	0.19	0.30	0.44	0.65	0.91	1.19	1.47	1.70	1.83	1.84	1.72	1.49	1.21	0.91	0.65	0.45	0.29	0.19	17.4	0.00		
	-40	0.14	0.21	0.30	0.42	0.57	0.71	0.85	0.96	1.03	1.03	0.97	0.85	0.71	0.57	0.42	0.30	0.21	0.14	10.4	0.00		
	-45	-45	-40	-35	-30	-25	-20	-15	-10	HORIZONTAL(DEG)				10	15	20	25	30	35	40	45		
F t	8.06	13.4	22.5	36.1	56.2	88.6	142	216	279	281	225	152	96.2	61.0	39.1	24.1	13.9	7.75	1762	---			
F a	0.00	0.00	0.00	0.00	20.8	62.5	118	195	257	259	203	129	70.6	29.4	0.42	0.00	0.00	0.00	---	1345			

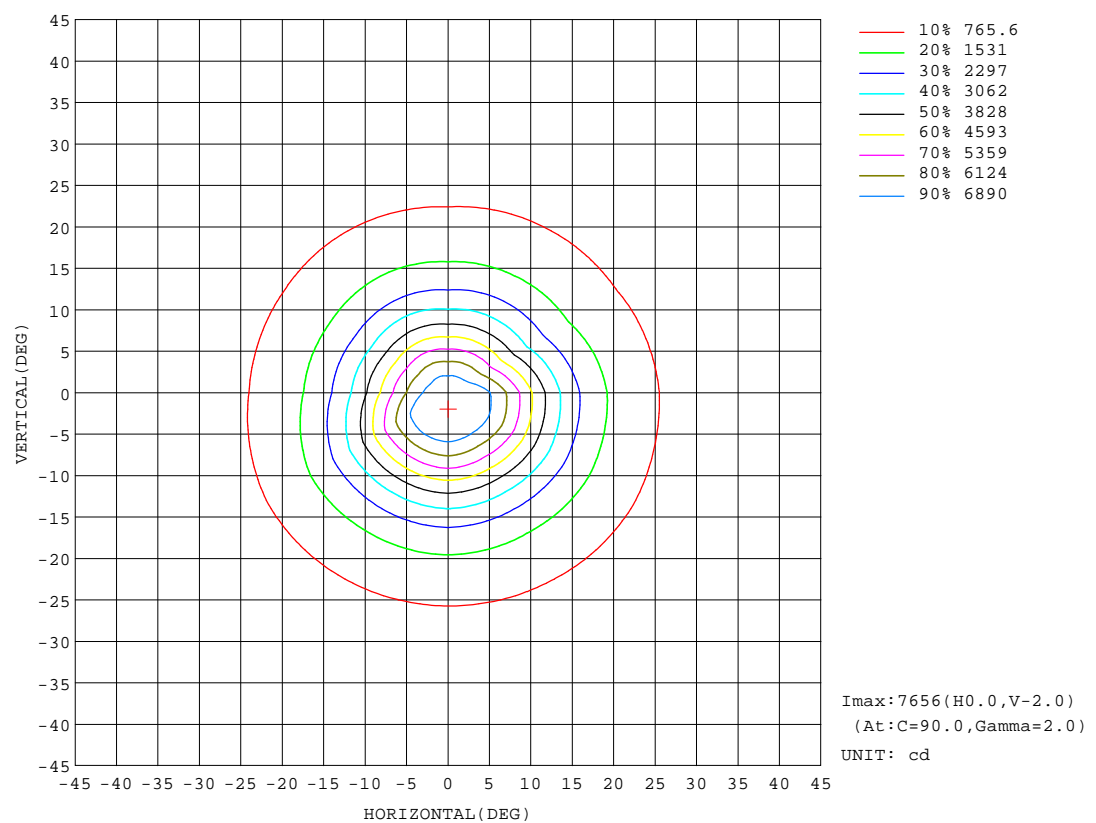
one-half-peak spread: U:10.2,D:10.3 , L:11.0,R:10.9 NEMA Beam Type: Type 4

H(_b) Range:-90 - 90DEG
H(_b) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:
Test Date:2024-05-20

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.: 20 X 20 Beam Angle	DIM.: 605MM	SERIAL No.:IES002405
MFR.:	SUR.:	Shielding Angle:

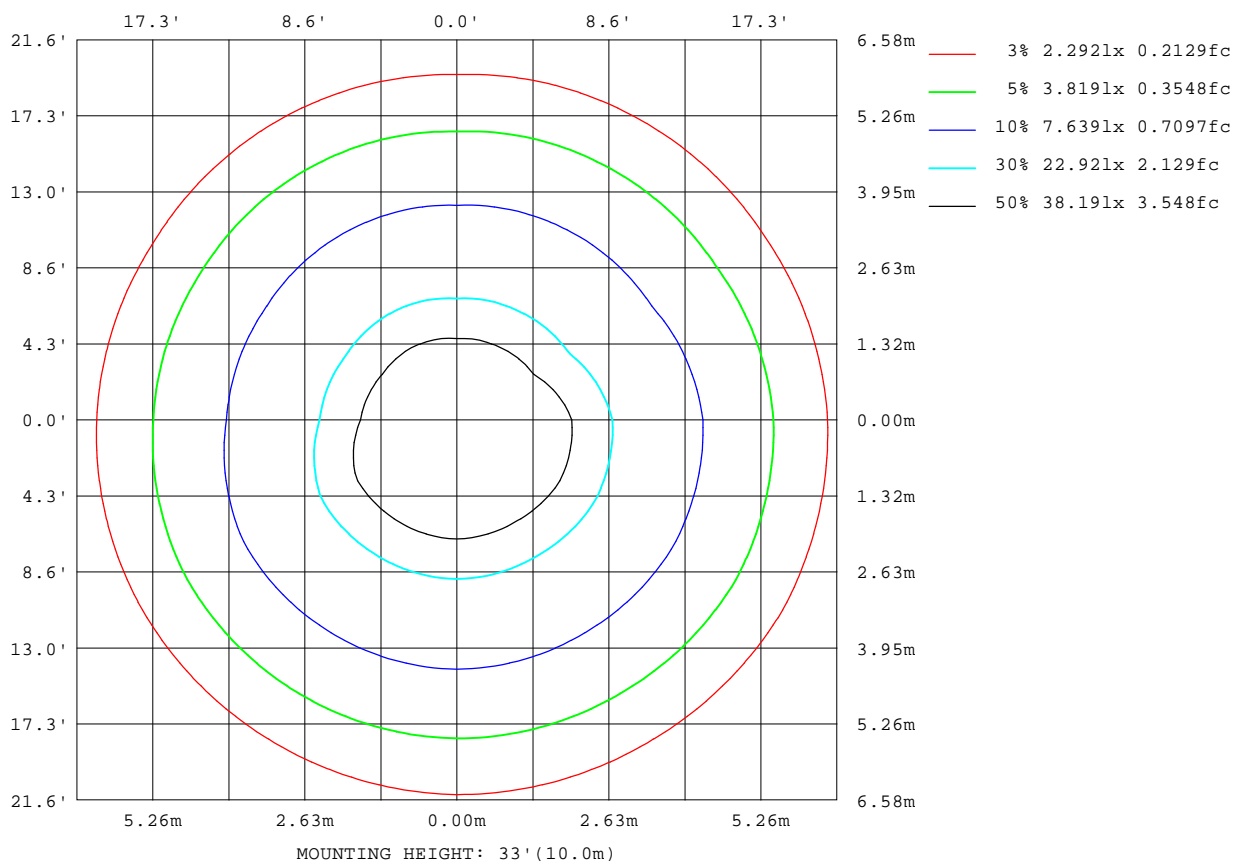


H(θ) Range:-90 - 90DEG
H(θ) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:
Test Date:2024-05-20

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

ISOLUX DIAGRAM

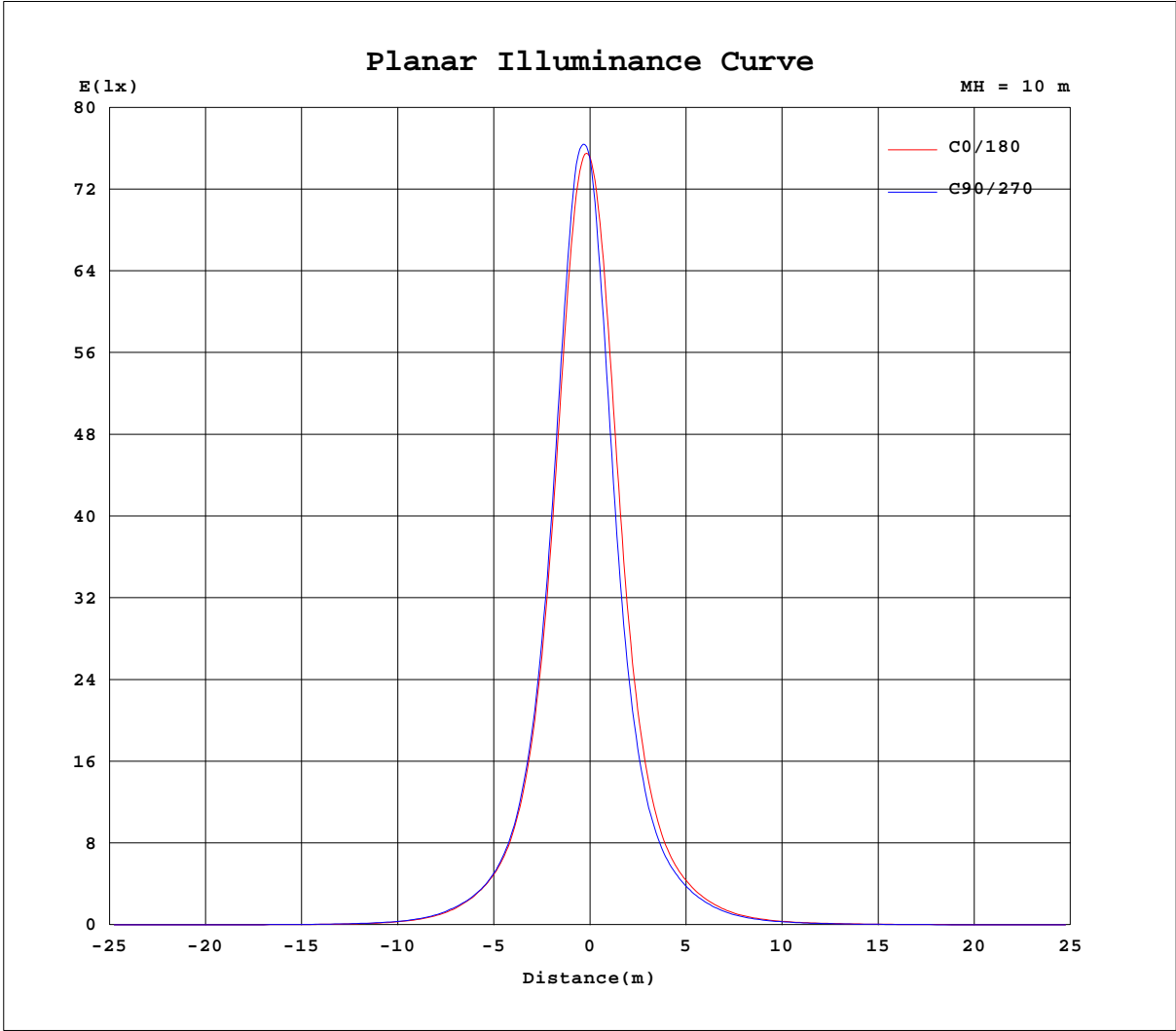
NAME: Mini Linear DC	TYPE:3000K	WEIGHT:
SPEC.:20 X 20 Beam Angle	DIM.: 605MM	SERIAL No.:IES002405
MFR.:	SUR.:	Shielding Angle:



H(θ) Range:-90 - 90DEG
H(θ) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:
Test Date:2024-05-20

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

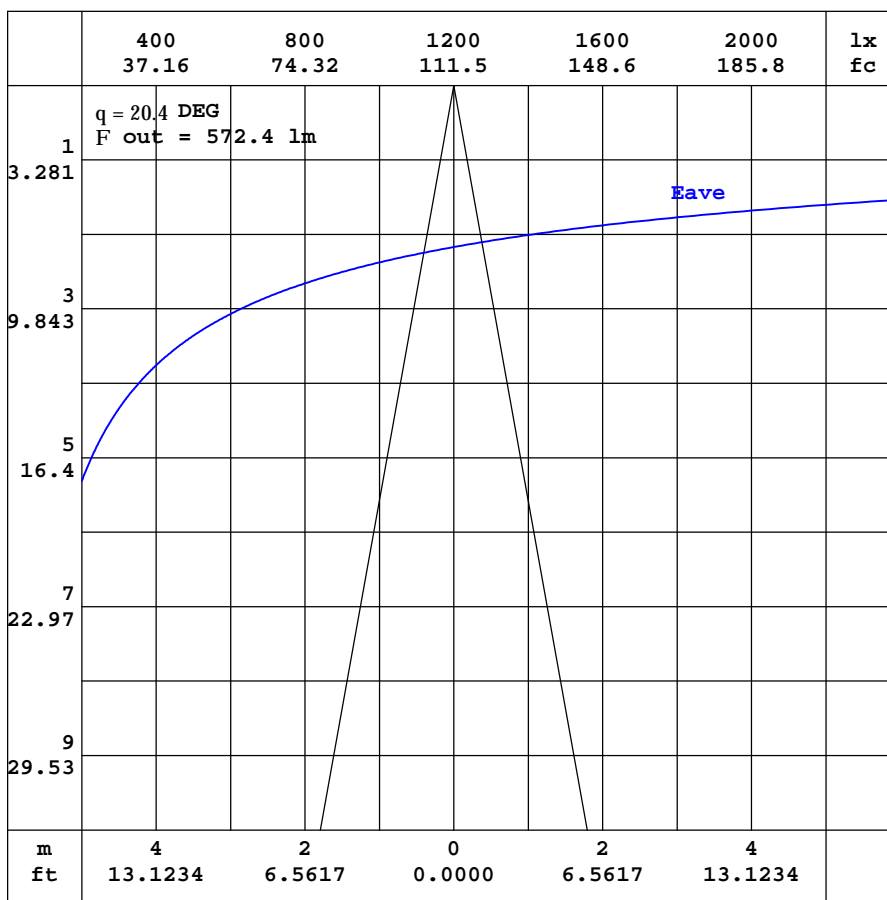


H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:
Test Date:2024-05-20

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.: 20 X 20 Beam Angle	DIM.: 605MM	SERIAL No.:IES002405
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:2024-05-20

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.: 20 X 20 Beam Angle	DIM.: 605MM	SERIAL No.:IES002405
MFR.:	SUR.:	Shielding Angle:

Table--1

UNIT: cd

H(DEC) V(DEC)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-180	6.70	6.06	5.61	5.43	5.55	6.03	6.97	8.46	10.4	12.4	14.0	15.0	15.4	15.4	15.3	15.0	14.5	14.1	13.9
-170	6.70	5.97	5.47	5.23	5.24	5.49	6.04	6.95	8.09	9.26	10.2	10.8	11.0	11.1	11.1	11.4	12.2	12.9	13.3
-160	6.70	5.90	5.36	5.05	4.94	4.95	5.09	5.39	5.75	6.08	6.27	6.28	6.35	7.47	8.69	9.78	10.6	11.2	11.4
-150	6.70	5.86	5.27	4.88	4.68	4.50	4.33	4.13	3.90	3.50	3.14	3.74	4.50	5.35	6.16	6.90	7.50	7.88	8.01
-140	6.70	5.84	5.20	4.77	4.46	4.19	3.86	3.42	2.83	2.55	2.56	2.70	2.97	3.30	3.66	4.05	4.36	4.55	4.61
-130	6.70	5.82	5.16	4.69	4.30	3.98	3.63	3.17	2.86	2.70	2.56	2.47	2.41	2.37	2.40	2.47	2.54	2.57	2.57
-120	6.70	5.82	5.15	4.62	4.21	3.83	3.48	3.22	3.16	3.08	2.98	2.88	2.78	2.68	2.59	2.51	2.46	2.41	2.38
-110	6.70	5.86	5.16	4.58	4.09	3.68	3.32	3.23	3.23	3.24	3.24	3.24	3.24	3.23	3.20	3.17	3.14	3.12	3.11
-100	6.70	5.91	5.20	4.56	3.98	3.45	2.97	2.98	3.02	3.05	3.09	3.11	3.13	3.15	3.18	3.20	3.21	3.23	3.24
-90	6.70	6.00	5.30	4.60	3.91	3.21	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.52	2.52	2.53	2.53
-80	6.70	6.12	5.48	4.78	4.03	3.24	2.38	2.31	2.32	2.36	2.40	2.44	2.49	2.53	2.58	2.62	2.65	2.67	2.67
-70	6.70	6.25	5.74	5.21	4.58	3.90	3.11	3.01	3.35	3.74	4.21	4.73	5.27	5.80	6.31	6.76	7.12	7.37	7.50
-60	6.70	6.41	6.19	5.94	5.71	5.32	4.90	4.93	6.09	7.54	9.21	11.1	13.1	15.1	17.0	18.7	19.9	20.8	21.1
-50	6.70	6.62	6.73	7.01	7.18	7.44	7.99	8.80	11.0	14.4	18.6	23.7	29.6	36.2	42.7	48.8	53.8	57.0	58.2
-40	6.70	6.88	7.40	8.19	8.97	10.3	12.4	15.2	18.8	25.0	34.8	48.3	66.2	88.4	113	138	159	174	180
-30	6.70	7.15	8.15	9.40	11.1	13.9	17.9	23.6	31.4	42.7	62.4	96.0	145	210	288	366	437	490	512
-20	6.70	7.38	8.84	10.6	13.3	17.6	23.8	33.4	45.7	67.7	106	172	278	416	595	821	1091	1335	1456
-10	6.70	7.60	9.44	11.7	15.3	20.9	29.5	41.6	58.9	91.1	148	249	407	641	1046	1800	2925	4214	4908
0	6.70	7.77	9.94	12.5	16.8	23.3	33.6	47.0	66.6	102	165	278	448	700	1143	2042	3730	6131	7512
10	6.70	7.75	9.81	12.3	16.2	22.3	31.4	44.1	61.4	92.0	145	234	375	568	842	1294	1997	2801	3074
20	6.70	7.69	9.55	11.8	15.1	20.2	27.5	38.3	51.2	71.9	105	159	240	356	492	644	800	923	964
30	6.70	7.58	9.16	11.1	13.7	17.5	22.9	30.2	39.7	51.8	69.1	95.0	132	178	234	298	349	383	393
40	6.70	7.43	8.67	10.3	12.2	14.8	18.2	22.7	28.3	35.6	44.8	56.3	69.8	85.8	103	119	133	142	144
50	6.70	7.25	8.19	9.41	10.7	12.3	14.3	16.7	19.8	23.7	28.2	33.2	38.8	44.5	49.4	54.2	57.7	59.6	59.9
60	6.70	7.09	7.75	8.49	9.36	10.2	11.2	12.4	13.9	15.4	17.3	19.2	21.4	23.4	25.1	26.7	27.9	28.6	28.8
70	6.70	6.97	7.29	7.76	8.19	8.64	9.05	9.54	10.1	10.7	11.3	11.8	12.3	12.9	13.4	13.8	14.1	14.2	14.3
80	6.70	6.84	6.97	7.12	7.29	7.51	7.69	7.84	7.99	8.12	8.25	8.38	8.50	8.60	8.69	8.75	8.79	8.80	8.79
90	6.70	6.71	6.71	6.71	6.72	6.72	6.73	6.71	6.69	6.68	6.66	6.65	6.63	6.62	6.61	6.59	6.58	6.57	6.55
100	6.70	6.58	6.46	6.35	6.25	6.15	6.06	5.96	5.86	5.78	5.70	5.63	5.57	5.53	5.51	5.49	5.49	5.48	5.48
110	6.70	6.46	6.24	6.05	5.88	5.74	5.64	5.54	5.48	5.44	5.43	5.42	5.42	5.43	5.44	5.45	5.46	5.46	5.45
120	6.70	6.35	6.06	5.81	5.63	5.51	5.47	5.47	5.50	5.59	5.72	5.88	6.05	6.23	6.42	6.59	6.72	6.81	6.83
130	6.70	6.27	5.90	5.64	5.48	5.46	5.50	5.69	5.97	6.37	6.87	7.45	8.07	8.69	9.31	9.86	10.3	10.6	10.7
140	6.70	6.20	5.79	5.52	5.45	5.51	5.76	6.21	6.95	7.89	8.97	10.1	11.3	12.3	13.1	13.8	14.2	14.5	14.6
150	6.70	6.13	5.70	5.46	5.46	5.66	6.14	6.99	8.21	9.73	11.3	12.8	14.0	14.9	15.5	15.9	16.2	16.3	16.4
160	6.70	6.09	5.64	5.44	5.50	5.84	6.56	7.76	9.40	11.3	13.0	14.4	15.4	15.8	16.2	16.5	16.7	16.9	17.1
170	6.70	6.06	5.62	5.43	5.54	5.98	6.87	8.30	10.2	12.2	13.8	15.0	15.5	15.8	15.8	15.6	15.5	15.4	15.6
180	6.70	6.06	5.61	5.43	5.55	6.03	6.97	8.46	10.4	12.4	14.0	15.0	15.4	15.4	15.3	15.0	14.5	14.1	13.9

H_(h) Range:-90 - 90DEG
H_(h) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:
Test Date:2024-05-20

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.: 20 X 20 Beam Angle	DIM.: 605MM	SERIAL No.:IES002405
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

H(DEG) V(DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-180	12.7	12.0	11.2	10.3	9.07	7.76	6.34	4.93	3.74	2.93	2.56	2.61	2.83	3.10	3.18	3.10	2.79	2.34	
-170	12.8	12.2	11.3	10.2	8.93	7.54	6.05	4.67	3.57	2.85	2.56	2.62	2.85	3.11	3.19	3.10	2.79	2.34	
-160	11.1	10.6	9.76	8.78	7.62	6.34	5.06	3.96	3.14	2.67	2.55	2.67	2.92	3.14	3.19	3.09	2.77	2.34	
-150	7.89	7.52	6.94	6.19	5.35	4.49	3.72	3.12	2.71	2.55	2.59	2.79	3.02	3.18	3.19	3.05	2.74	2.34	
-140	4.56	4.38	4.07	3.69	3.31	2.96	2.69	2.55	2.53	2.59	2.76	2.96	3.14	3.20	3.18	3.00	2.70	2.34	
-130	2.57	2.53	2.46	2.39	2.36	2.40	2.45	2.55	2.69	2.86	3.01	3.15	3.21	3.20	3.12	2.92	2.65	2.34	
-120	2.41	2.45	2.50	2.57	2.65	2.75	2.87	2.97	3.07	3.15	3.20	3.22	3.21	3.15	3.00	2.82	2.59	2.34	
-110	3.12	3.14	3.16	3.18	3.20	3.22	3.22	3.23	3.23	3.23	3.22	3.18	3.08	2.97	2.84	2.68	2.51	2.34	
-100	3.22	3.21	3.19	3.17	3.13	3.10	3.08	3.05	3.02	2.98	2.94	2.88	2.80	2.72	2.62	2.53	2.44	2.34	
-90	2.52	2.51	2.49	2.48	2.46	2.45	2.45	2.45	2.45	2.45	2.44	2.44	2.43	2.41	2.39	2.38	2.36	2.34	
-80	2.65	2.61	2.56	2.51	2.44	2.39	2.34	2.29	2.26	2.23	2.23	2.24	2.26	2.27	2.30	2.30	2.29	2.34	
-70	7.35	7.07	6.69	6.21	5.68	5.14	4.56	4.04	3.58	3.19	2.86	2.65	2.52	2.41	2.34	2.29	2.29	2.34	
-60	20.7	19.8	18.5	16.8	14.9	12.8	10.8	8.81	7.13	5.72	4.58	3.77	3.22	2.88	2.59	2.36	2.30	2.34	
-50	56.8	53.4	48.2	42.1	35.7	29.0	23.1	18.0	13.7	10.3	7.63	5.77	4.38	3.48	2.97	2.52	2.30	2.34	
-40	175	160	139	113	88.8	66.1	47.7	34.1	24.1	17.2	12.2	8.57	6.01	4.28	3.30	2.74	2.32	2.34	
-30	495	447	379	302	220	150	98.4	62.9	40.2	26.8	18.5	12.0	7.89	5.24	3.70	2.95	2.35	2.34	
-20	1342	1101	843	627	451	305	182	106	61.6	37.2	24.5	15.8	9.68	6.15	4.05	3.11	2.38	2.34	
-10	4228	3006	1880	1121	698	448	270	149	81.6	45.7	28.7	19.1	11.0	6.81	4.33	3.22	2.40	2.34	
0	6923	4668	2567	1392	804	503	299	165	88.3	48.5	30.3	20.7	11.6	7.11	4.47	3.28	2.42	2.34	
10	2782	2043	1335	898	615	407	250	144	82.4	48.6	31.7	21.4	12.6	7.89	5.02	3.60	2.56	2.34	
20	930	813	663	512	377	257	166	104	66.2	43.6	30.1	20.0	12.7	8.21	5.38	3.85	2.69	2.34	
30	387	355	302	243	183	135	97.4	70.3	50.5	36.4	26.1	17.7	12.0	8.12	5.55	4.00	2.79	2.34	
40	143	133	119	103	86.1	70.1	56.5	45.5	36.3	28.3	20.9	15.2	10.9	7.74	5.55	4.04	2.87	2.34	
50	59.5	57.4	53.8	49.5	44.4	38.8	33.7	28.6	24.2	20.3	16.5	12.7	9.63	7.22	5.46	4.01	2.94	2.34	
60	28.6	27.9	26.8	25.3	23.5	21.4	19.5	17.6	15.8	14.2	12.8	10.6	8.41	6.68	5.21	3.94	3.00	2.34	
70	14.3	14.1	13.8	13.4	12.9	12.4	11.9	11.4	10.8	10.2	9.69	8.83	7.41	6.12	4.92	3.88	3.01	2.34	
80	8.80	8.78	8.73	8.67	8.57	8.46	8.36	8.26	8.15	8.01	7.86	7.63	6.59	5.60	4.69	3.82	3.02	2.34	
90	6.56	6.56	6.57	6.57	6.58	6.58	6.61	6.63	6.65	6.67	6.70	6.72	5.99	5.26	4.53	3.80	3.07	2.34	
100	5.48	5.48	5.49	5.50	5.52	5.55	5.62	5.68	5.75	5.85	5.95	6.01	5.53	5.01	4.44	3.80	3.11	2.34	
110	5.45	5.45	5.44	5.43	5.42	5.41	5.41	5.41	5.43	5.46	5.53	5.49	5.16	4.78	4.33	3.78	3.12	2.34	
120	6.80	6.71	6.58	6.41	6.21	6.02	5.85	5.69	5.56	5.46	5.44	5.19	4.88	4.57	4.20	3.73	3.12	2.34	
130	10.6	10.3	9.84	9.29	8.65	8.01	7.36	6.79	6.30	5.92	5.48	4.99	4.66	4.38	4.07	3.67	3.10	2.34	
140	14.5	14.2	13.8	13.1	12.2	11.2	10.0	8.82	7.74	6.60	5.51	4.83	4.43	4.18	3.93	3.58	3.07	2.34	
150	16.3	16.1	15.8	15.4	14.8	13.9	12.6	11.1	8.77	6.75	5.37	4.56	4.16	3.96	3.77	3.48	3.02	2.34	
160	16.9	16.8	16.6	16.3	15.9	15.3	13.1	10.6	8.20	6.22	4.86	4.10	3.79	3.69	3.58	3.38	2.96	2.34	
170	15.4	15.6	15.9	15.2	13.8	12.1	10.2	8.27	6.40	4.87	3.89	3.43	3.33	3.40	3.38	3.25	2.88	2.34	
180	12.7	12.0	11.2	10.3	9.07	7.76	6.34	4.93	3.74	2.93	2.56	2.61	2.83	3.10	3.18	3.10	2.79	2.34	

H(h) Range:-90 - 90DEG
H(h) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:
Test Date:2024-05-20

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: