

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

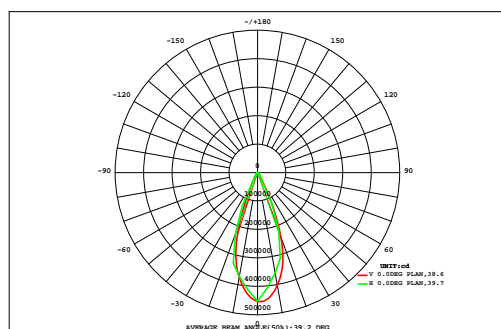
Maximum Intensity		2280.1 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	57.9V x 56.0H
	At 50% of Imax	39.7V x 38.6H
	At 90% of Imax	10.3V x 16.3H
Beam Flux	Total	993.7 lumens per klm.
	To 10% of Imax	849.1 lumens per klm.
	To 50% of Imax	566.8 lumens per klm.
	To 90% of Imax	72.6 lumens per klm.
	Upward LOR	0.0 %
	Downward LOR	99.4 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

H(_b) Range:-90 - 90DEG
H(_b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:DAMIN
Test Date:2020-04-06

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:8.230m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:11.284V I:0A P:0W PF:0.0000 Freq:49.96Hz Lamp Flux:198855x1 lm		
NAME: 1200W-5050-40	TYPE:	WEIGHT:
SPEC.:0.65x0.8	DIM.: 0.65x0.8	SERIAL No.:
MFR.: Lanyeeh	SUR.:0.65x0.8	Shielding Angle:



DATA OF LAMP		PHOTOMETRIC DATA	
MODEL	5050	Imax(cd)	453404
NOMINAL POWER(W)	1200	AVAILABILITY(%)	86.2
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	171469
NOMINAL FLUX(lm)	198855	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	198855
TEST VOLTAGE(V)	230	q @50%(H,V)	39,40DEG

		AREA FLUX DIAGRAM																UNIT:lm		F t	F a												
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00													
VERTICAL (DEG)	90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00													
	80	0.83	3.56	8.77	16.3	24.3	32.0	38.1	41.8	43.8	44.1	40.8	37.4	30.8	23.2	15.4	8.32	3.33	0.74	413	0.00												
	70	1.19	6.11	16.1	30.6	47.5	65.6	82.9	95.1	101	102	95.1	84.1	66.5	48.3	31.3	16.9	6.52	1.28	898	0.00												
	60	1.27	7.45	20.3	39.6	63.8	89.4	114	131	141	141	131	115	91.9	66.9	42.8	22.9	8.78	1.65	1230	0.00												
	50	1.42	8.94	24.7	49.9	82.8	115	141	162	175	173	159	139	117	87.2	54.8	28.5	11.3	2.14	1532	0.00												
	40	1.68	10.6	29.5	60.1	96.7	136	195	320	584	593	325	195	141	105	69.0	35.7	13.9	2.59	2916	0.00												
	30	1.95	12.3	34.5	69.6	109	165	436	1648	2987	3044	1838	536	178	124	82.2	42.6	16.2	2.94	11325	8364												
		2.26	14.0	39.9	77.4	117	212	1208	5583	9430	9498	5767	1295	236	140	93.6	48.9	17.9	3.08	33784	31972												
		2.47	14.9	42.4	81.0	123	261	2276	8100	11881	11830	7932	2338	302	150	99.9	52.2	18.6	3.12	45508	43895												
		2.63	15.6	43.5	82.5	126	291	2657	8631	12368	12250	8371	2443	304	153	101	52.9	18.7	3.12	47913	46367												
		2.72	15.9	41.8	79.8	122	223	1301	5435	8976	8796	5124	1046	226	141	93.7	48.7	17.8	3.07	31692	30008												
	-30	2.86	15.5	40.3	77.7	121	187	650	2259	3596	3457	1882	484	194	131	85.3	44.1	16.8	3.02	13246	10863												
	-40	3.05	15.1	38.6	74.8	118	164	184	182	324	361	224	173	165	121	76.7	39.9	15.8	3.09	2283	0.00												
	-50	3.42	14.8	36.5	69.8	111	156	197	240	264	244	219	189	151	109	68.4	36.5	14.8	3.39	2127	0.00												
	-60	3.27	13.2	31.9	59.3	92.2	127	161	187	203	202	186	158	125	90.6	58.8	32.5	13.7	3.37	1749	0.00												
	-70	2.95	11.2	26.2	47.7	72.3	98.0	123	141	151	150	140	122	97.2	72.1	48.7	27.5	12.0	3.13	1346	0.00												
-80	2.26	8.15	18.5	34.0	51.1	66.4	79.0	87.4	93.5	93.6	88.7	80.5	68.1	53.2	36.6	20.4	9.17	2.50	893	0.00													
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00													
		-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)																20	30	40	50	60	70	80	90
F t	36.2	187	493	950	1477	2388	9842	33243	51318	50979	32523	9435	2493	1614	1059	559	215	42.21	198855	---													
F a	0.00	0.00	0.00	0.00	0.00	0.00	6705	31165	48622	48421	30446	6110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	171469												

one-half-peak spread: U:19.7,D:20.3 , L:19.6,R:19.3

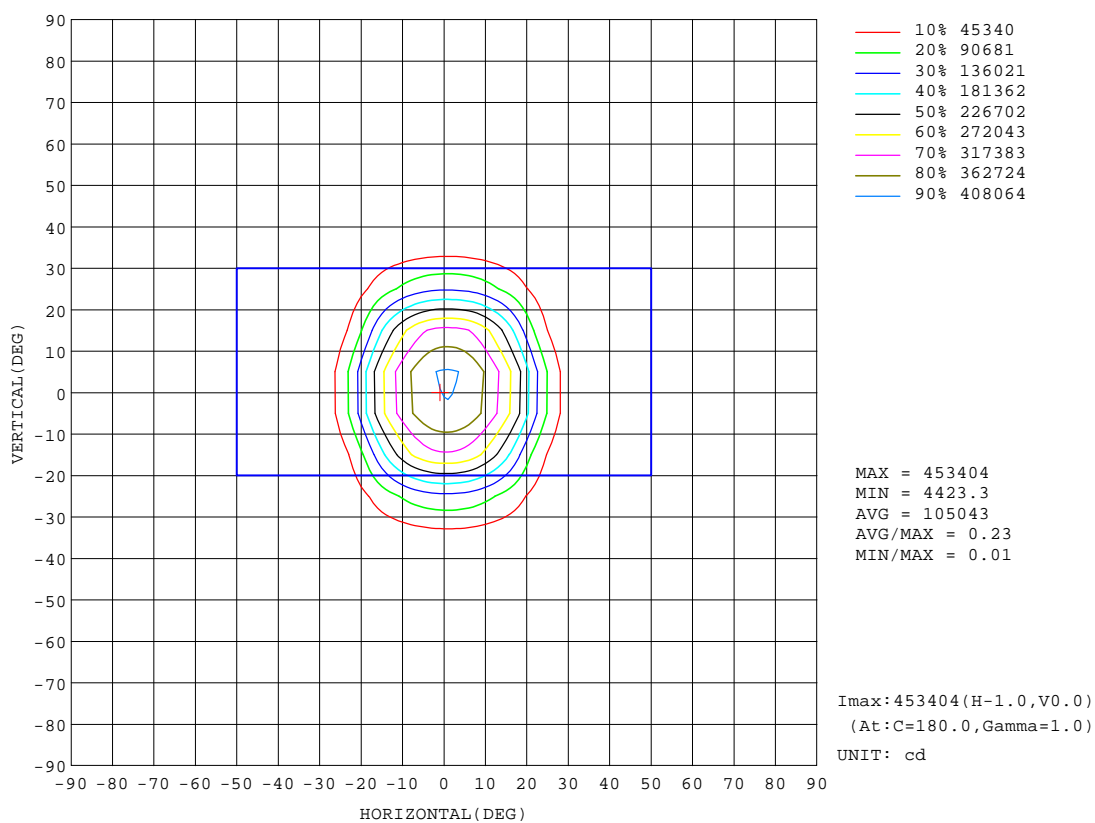
NEMA Beam Type: Type 4

H_b Range:-90 - 90DEG
H_b Interval: 1.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:DAMIN
Test Date:2020-04-06

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:8.230m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:11.284V I:0A P:0W PF:0.0000 Freq:49.96Hz Lamp Flux:198855x1 lm		
NAME: 1200W-5050-40	TYPE:	WEIGHT:
SPEC.:0.65x0.8	DIM.: 0.65x0.8	SERIAL No.:
MFR.: Lanyeeh	SUR.:0.65x0.8	Shielding Angle:

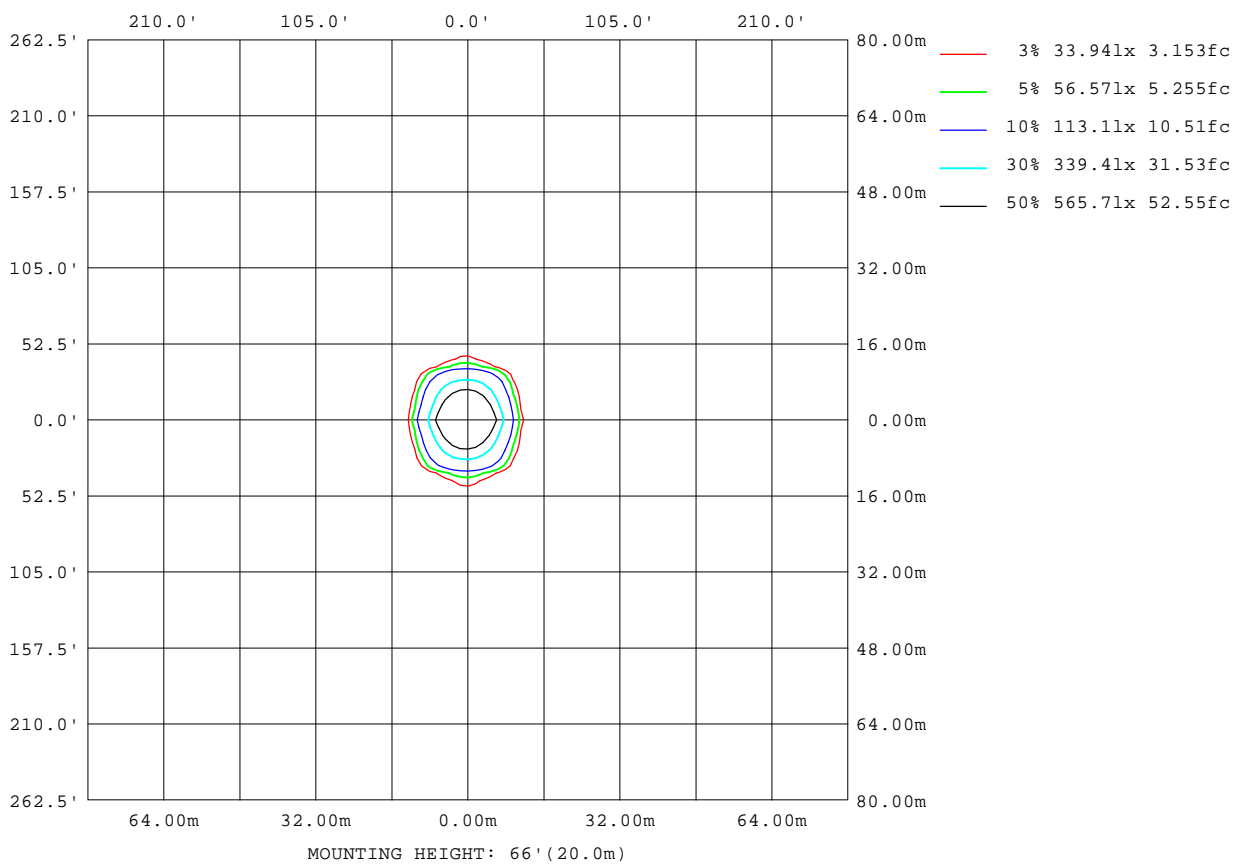


H(B) Range:-90 - 90DEG
H(B) Interval: 1.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:DAMIN
Test Date:2020-04-06

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:8.230m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

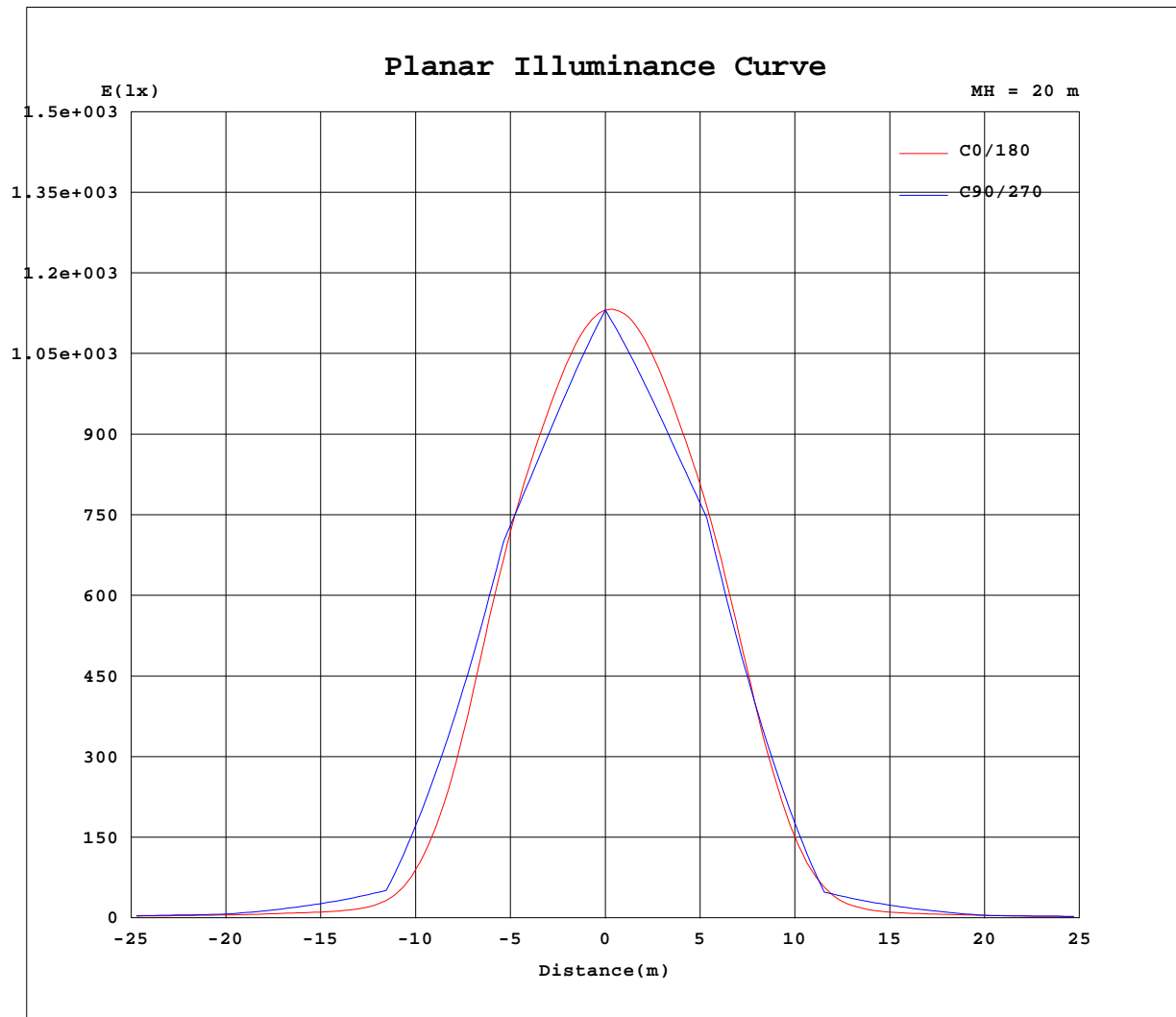
Test:U:11.284V I:0A P:0W PF:0.0000 Freq:49.96Hz Lamp Flux:198855x1 lm		
NAME: 1200W-5050-40	TYPE:	WEIGHT:
SPEC.:0.65x0.8	DIM.: 0.65x0.8	SERIAL No.:
MFR.: Lanyeeh	SUR.:0.65x0.8	Shielding Angle:



H_b Range:-90 - 90DEG
H_b Interval: 1.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:DAMIN
Test Date:2020-04-06

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:8.230m [K=1.0000]
Remarks:

Planar Illuminance Curve



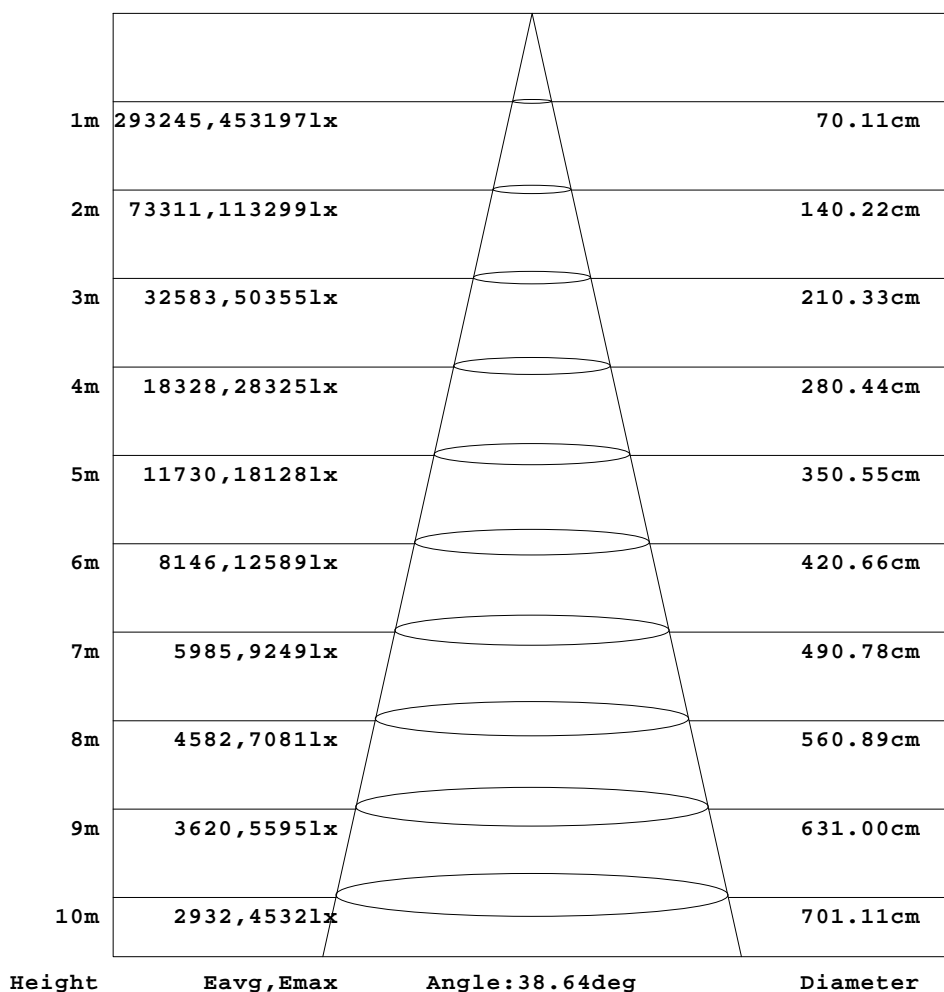
H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:DAMIN
Test Date:2020-04-06

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:8.230m [K=1.0000]
Remarks:

AAI Figure

Test:U:11.284V I:0A P:0W PF:0.0000 Freq:49.96Hz Lamp Flux:198855x1 lm		
NAME: 1200W-5050-40	TYPE:	WEIGHT:
SPEC.:0.65x0.8	DIM.: 0.65x0.8	SERIAL No.:
MFR.: Lanyeeh	SUR.:0.65x0.8	Shielding Angle:

Flux out:115526 lm



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: 1.0DEG
Test Speed: HIGH
Temperature: 30DEG
Operators: DAMIN
Test Date: 2020-04-06

V(B) Range: -75 - 75DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.402
Humidity: 65.0%
Test Distance: 8.230m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:11.284V I:0A P:0W PF:0.0000 Freq:49.96Hz Lamp Flux:198855x1 lm		
NAME: 1200W-5050-40	TYPE:	WEIGHT:
SPEC.:0.65x0.8	DIM.: 0.65x0.8	SERIAL No.:
MFR.:	SUR.:0.65x0.8	Shielding Angle:

Table--1

UNIT: ×100cd

H(°) \ V(°)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-75	7.65	8.00	8.85	9.78	11.2	13.6	16.2	18.8	21.2	23.3	25.0	26.3	27.3	28.4	29.2	29.6	30.1	30.8	31.1
-70	8.65	9.51	10.5	12.1	14.6	17.5	20.7	23.7	26.4	29.0	31.1	33.1	35.0	36.8	37.9	38.7	39.6	40.3	40.5
-65	9.40	10.2	11.4	12.9	15.7	19.1	22.6	26.2	29.6	32.7	35.7	38.4	41.2	43.8	45.9	47.3	48.2	49.4	49.9
-60	10.4	11.8	13.3	15.7	19.6	23.4	27.4	31.5	35.2	38.9	42.4	46.0	49.5	52.7	55.1	56.6	57.9	59.1	59.2
-55	10.4	11.5	13.0	15.4	19.3	23.6	28.0	32.8	37.4	41.7	46.0	50.1	54.0	57.7	60.7	63.3	65.2	67.0	67.9
-50	10.8	12.3	14.3	17.9	22.4	27.1	32.3	37.8	42.9	48.1	52.9	57.6	61.6	65.2	68.7	71.5	74.0	75.9	76.4
-45	10.7	11.9	13.7	17.1	21.9	26.9	32.3	38.5	44.5	50.4	56.0	61.3	65.9	69.9	73.6	77.8	80.9	83.5	85.1
-40	10.1	11.7	14.7	19.3	24.5	29.8	35.8	42.4	48.4	54.0	59.4	65.3	71.6	78.7	88.3	105	132	155	163
-35	8.94	10.1	12.8	17.4	22.9	28.4	34.2	41.1	47.7	53.4	58.6	64.2	71.8	81.7	93.5	117	159	210	241
-30	8.25	10.3	14.4	19.7	25.8	31.4	37.9	45.3	51.6	56.7	61.9	69.0	79.8	93.4	114	156	231	297	319
-25	7.14	8.70	12.5	17.8	23.6	29.6	35.9	43.2	49.4	54.5	60.9	69.2	86.6	156	345	657	954	1168	1249
-20	6.70	9.72	14.8	20.2	26.4	32.6	39.6	46.6	51.5	56.6	65.7	79.6	127	331	813	1407	1881	2138	2175
-15	5.29	7.70	12.5	18.2	24.2	30.6	37.5	44.9	49.7	53.7	63.0	76.3	110	292	829	1696	2466	2957	3112
-10	5.75	9.28	14.6	20.3	26.9	33.9	41.1	47.8	51.5	57.3	69.6	93.3	219	687	1569	2487	3142	3517	3577
-5	4.75	7.50	12.0	17.6	24.2	31.5	38.9	46.2	50.4	54.3	66.3	83.6	172	608	1522	2599	3350	3849	4056
0	5.39	8.94	14.0	19.9	27.2	35.1	42.4	49.0	51.7	59.1	73.5	110	355	1160	2383	3396	4015	4433	4525
5	4.23	7.06	11.4	16.8	23.5	31.0	38.5	45.7	49.9	53.7	66.0	83.7	174	618	1541	2634	3395	3904	4119
10	4.83	8.21	13.1	18.8	25.7	33.1	40.1	46.9	50.2	56.3	69.5	94.3	225	713	1616	2566	3234	3635	3707
15	3.72	6.39	10.5	15.9	22.2	29.3	36.3	43.4	48.1	52.0	62.2	76.8	115	321	886	1801	2600	3121	3303
20	4.17	7.32	11.8	17.1	23.4	29.9	36.6	43.4	47.7	52.9	62.9	77.7	130	354	857	1483	1967	2251	2299
25	3.08	5.48	9.19	14.0	19.4	25.3	31.5	38.4	44.2	48.8	55.2	63.9	82.1	159	358	684	990	1214	1301
30	3.41	6.26	10.3	14.9	20.2	25.6	31.7	38.6	44.4	48.9	54.0	60.4	70.1	83.9	104	146	216	283	299
35	2.57	4.67	7.92	12.1	16.7	21.7	26.9	33.1	39.1	44.0	48.5	53.4	59.9	68.8	80.2	103	142	193	220
40	2.93	5.40	8.79	12.8	17.1	21.8	26.8	32.6	37.9	42.7	46.9	51.3	56.3	62.3	70.3	85.8	110	133	139
45	2.18	3.98	6.71	10.2	14.1	18.3	22.5	27.4	32.7	37.7	42.0	45.4	48.4	50.7	52.6	55.0	56.3	57.5	58.3
50	2.75	4.77	7.48	10.8	14.3	18.2	22.1	26.6	30.9	35.1	38.6	41.6	44.3	46.5	48.5	50.2	51.0	52.1	52.5
55	2.44	3.80	5.90	8.58	11.7	15.1	18.4	22.1	25.8	29.2	32.5	35.4	38.2	40.6	42.7	44.4	45.1	45.9	46.8
60	2.86	4.37	6.34	8.78	11.8	14.6	17.5	20.5	23.4	26.1	28.9	31.5	34.0	36.5	38.4	39.3	39.7	40.6	41.1
65	2.85	3.75	5.25	7.11	9.45	12.0	14.4	17.1	19.5	21.7	23.9	26.0	27.9	29.8	31.5	32.4	32.7	33.2	33.9
70	3.26	4.25	5.55	7.17	9.18	11.4	13.4	15.6	17.4	19.0	20.7	22.1	23.3	24.7	25.5	25.8	25.9	26.5	26.8
75	3.39	3.83	4.75	5.83	7.24	8.99	10.7	12.4	13.9	15.0	16.2	17.2	17.7	18.4	19.0	19.0	18.9	19.2	19.6
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

H_b Range:-90 - 90DEGH_b Interval: 1.0DEG

Test Speed: HIGH

Temperature:30DEG

Operators:DAMIN

Test Date:2020-04-06

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.402

Humidity:65.0%

Test Distance:8.230m [K=1.0000]

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:11.284V I:0A P:0W PF:0.0000 Freq:49.96Hz Lamp Flux:198855x1 lm		
NAME: 1200W-5050-40	TYPE:	WEIGHT:
SPEC.:0.65x0.8	DIM.: 0.65x0.8	SERIAL No.:
MFR.: Lanyeeh	SUR.:0.65x0.8	Shielding Angle:

Table--2

UNIT: ×100cd

H(°) \ V(°)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-75	31.0	30.6	30.3	30.1	29.6	28.6	27.7	26.6	25.1	23.5	21.5	18.9	16.2	13.8	11.8	10.4	9.36	8.60
-70	40.0	39.3	38.8	38.0	36.4	34.6	32.9	31.0	28.7	26.5	23.8	20.7	17.8	14.9	12.7	11.1	9.87	9.32
-65	49.6	48.5	47.8	46.6	44.6	42.1	39.5	36.9	34.1	31.2	28.3	25.1	21.7	18.3	15.1	13.0	11.4	10.2
-60	58.3	57.1	56.0	53.9	50.8	47.5	44.1	40.7	37.1	33.8	30.4	26.6	22.8	19.0	15.6	13.5	11.7	10.9
-55	67.3	65.6	64.0	61.3	58.1	54.6	50.9	47.0	43.0	38.8	34.6	30.3	26.0	21.7	17.6	14.5	12.4	11.0
-50	75.1	72.8	70.2	66.3	62.6	58.8	54.5	50.2	45.4	40.4	35.4	30.3	25.8	21.0	16.8	13.8	11.8	10.9
-45	84.2	81.9	78.9	74.2	70.1	66.0	61.8	56.9	51.9	46.1	40.2	34.3	29.3	24.0	19.2	15.0	12.6	10.9
-40	149	122	99.4	84.2	75.7	69.1	62.9	57.6	52.2	46.4	40.1	33.9	28.5	23.0	17.9	13.7	11.0	10.0
-35	229	185	137	104	87.8	77.0	69.0	62.5	57.0	51.4	45.3	38.2	32.0	26.3	20.6	15.2	11.3	9.25
-30	282	206	144	108	90.4	78.2	69.2	62.8	57.5	51.7	44.8	37.3	31.0	24.9	18.9	13.2	9.47	8.38
-25	1206	1027	755	439	207	106	79.7	69.4	61.6	56.1	50.4	42.5	35.2	28.6	21.9	15.7	10.7	7.88
-20	2021	1644	1114	551	216	104	80.1	69.4	61.0	56.2	49.8	41.7	34.2	26.8	19.9	13.7	9.09	7.10
-15	3015	2606	1935	1081	427	153	93.9	77.6	65.6	60.1	55.5	47.2	39.1	30.9	23.1	16.5	10.8	6.79
-10	3349	2820	2054	1114	428	146	90.2	75.7	64.4	60.2	54.2	45.6	37.0	28.4	20.7	14.1	8.92	6.35
-5	3946	3511	2859	1899	877	278	111	83.8	70.1	63.3	59.2	50.7	41.9	32.6	24.0	16.9	10.9	6.64
0	4264	3733	2963	1798	728	204	99.5	81.8	67.9	63.6	58.0	49.0	39.3	29.8	21.4	14.4	8.97	6.13
5	4016	3585	2916	1936	885	278	111	83.2	69.8	63.2	59.1	50.7	41.8	32.6	23.9	16.9	10.8	6.65
10	3497	2956	2152	1163	436	145	89.3	74.8	64.1	60.1	54.3	45.6	36.9	28.4	20.7	14.1	8.99	6.33
15	3227	2827	2107	1192	452	154	92.2	75.9	64.7	60.0	55.4	47.3	38.9	30.8	22.9	16.4	10.7	6.80
20	2161	1770	1205	594	219	99.2	75.9	66.1	59.1	55.0	49.0	40.9	33.4	26.1	19.4	13.4	8.82	6.45
25	1261	1082	795	464	205	98.1	71.7	63.3	57.6	53.6	48.4	40.9	33.7	27.2	20.7	15.0	10.2	6.73
30	253	177	120	90.7	76.6	66.1	59.2	55.8	52.8	48.4	42.1	34.9	28.8	23.1	17.6	12.4	8.48	6.48
35	204	158	110	84.3	71.2	63.2	56.9	52.9	49.8	45.9	40.6	34.1	28.3	23.1	18.0	13.1	9.12	6.22
40	122	95.9	76.0	64.7	59.0	54.5	50.8	47.6	44.0	39.4	34.1	28.4	23.7	19.0	14.5	10.4	7.16	5.63
45	57.5	55.8	54.4	52.5	50.7	49.3	47.8	44.7	41.3	36.9	32.0	27.0	22.6	18.5	14.6	10.7	7.55	5.28
50	51.4	50.1	49.0	47.1	45.5	43.8	41.5	38.5	35.0	31.0	26.8	22.6	19.0	15.2	11.5	8.29	5.78	4.71
55	46.4	45.3	44.4	43.3	41.6	39.6	37.4	34.7	31.8	28.4	25.0	21.5	18.1	14.8	11.3	8.28	5.88	4.23
60	40.6	39.7	39.2	38.1	36.3	33.7	31.2	28.6	25.8	23.1	20.4	17.5	14.8	11.7	8.56	6.23	4.35	3.70
65	33.7	33.0	32.4	31.9	30.8	29.0	26.9	25.0	22.8	20.5	18.3	15.9	13.4	10.9	8.29	6.15	4.50	3.49
70	26.4	25.7	25.3	24.9	24.1	22.6	21.1	19.7	17.8	16.1	14.2	12.2	10.2	8.07	6.17	4.69	3.54	3.28
75	19.4	18.9	18.4	18.3	18.1	17.4	16.4	15.6	14.4	13.0	11.7	10.2	8.51	6.88	5.46	4.31	3.38	3.06
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

H_b Range:-90 - 90DEGH_b Interval: 1.0DEG

Test Speed: HIGH

Temperature:30DEG

Operators:DAMIN

Test Date:2020-04-06

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.402

Humidity:65.0%

Test Distance:8.230m [K=1.0000]

Remarks: