

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

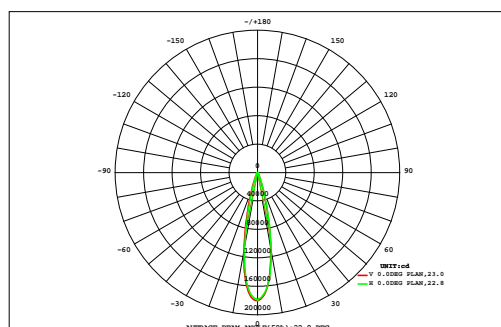
Maximum Intensity		4806.8 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	40.5V x 40.9H
	At 50% of Imax	22.8V x 23.0H
	At 90% of Imax	9.7V x 10.2H
Beam Flux	Total	1000.7 lumens per klm.
	To 10% of Imax	751.5 lumens per klm.
	To 50% of Imax	445.5 lumens per klm.
	To 90% of Imax	108.5 lumens per klm.
	Upward LOR	0.0 %
	Downward LOR	100.1 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:DAMIN
Test Date:2018-08-06

g Range: 0 - 90DEG
g Interval: 1.0DEG
g 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:229.97V I:1.0487A P:237.78W PF:0.9859 Freq:49.99Hz Lamp Flux:37422.1x1 lm		
NAME: 240W-5050-20	TYPE:	WEIGHT:
SPEC.:240W	DIM.: 400X300	SERIAL No.:
MFR.: Lanyeeh	SUR.:.4X.3	Shielding Angle:



DATA OF LAMP		Eff:157.38lm/W	
MODEL	5050	Imax(cd)	179879
NOMINAL POWER(W)	240	AVAILABILITY(%)	74.9
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	28045
NOMINAL FLUX(lm)	37422.1	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	37422
TEST VOLTAGE(V)	230	q @50%(H,V)	23,23DEG

VERTICAL(DEG)	AREA FLUX DIAGRAM																UNIT:lm		F t	F a
	0.43	1.46	2.77	4.32	6.03	7.77	9.20	10.1	10.6	10.6	10.3	9.51	8.19	6.51	4.77	3.12	1.71	0.52	108	0.00
90	0.43	1.46	2.77	4.32	6.03	7.77	9.20	10.1	10.6	10.6	10.3	9.51	8.19	6.51	4.77	3.12	1.71	0.52	108	0.00
80	0.50	2.02	4.41	7.51	11.1	14.7	17.8	19.7	20.6	20.6	19.7	17.8	15.0	11.5	8.09	4.86	2.28	0.59	199	0.00
70	0.57	2.63	6.10	10.7	16.1	21.8	26.8	30.1	31.8	31.9	30.2	26.8	22.0	16.5	11.2	6.48	2.88	0.67	295	0.00
60	0.64	3.22	7.66	13.8	21.3	29.1	35.9	40.4	42.8	43.0	40.9	36.4	29.7	21.9	14.3	7.90	3.42	0.74	393	0.00
50	0.71	3.74	9.13	16.9	26.3	35.3	42.5	48.0	51.3	51.9	49.7	44.7	37.0	27.5	17.4	9.17	3.86	0.80	476	0.00
40	0.77	4.17	10.5	19.6	30.2	39.8	48.7	58.4	68.0	70.5	63.4	52.5	42.8	32.1	19.8	10.3	4.20	0.85	577	0.00
30	0.81	4.50	11.5	21.7	32.8	44.1	62.3	112	200	217	136	72.7	48.3	34.0	21.4	11.0	4.43	0.89	1035	0.00
20	0.85	4.72	12.2	22.9	34.4	49.7	108	434	1267	1301	517	138	53.6	33.9	21.9	11.4	4.56	0.91	4016	2958
10	0.86	4.82	12.5	23.4	35.2	56.1	194	1286	3991	3961	1380	244	57.9	32.5	21.5	11.4	4.59	0.92	11318	10572
0	0.86	4.81	12.4	23.0	34.2	55.2	211	1383	4014	4048	1430	245	55.0	31.2	21.0	11.3	4.56	0.92	11585	10863
-10	0.85	4.68	11.8	21.6	31.5	45.6	124	558	1484	1444	554	131	45.8	30.5	20.5	11.0	4.49	0.91	4524	3605
-20	0.82	4.44	11.0	19.8	28.5	37.1	58.5	134	261	257	131	59.1	38.8	29.2	19.4	10.4	4.32	0.89	1105	46.7
-30	0.78	4.11	9.87	17.5	25.5	33.0	40.4	50.4	60.4	60.0	50.2	41.8	34.9	27.1	17.6	9.53	4.08	0.85	488	0.00
-40	0.72	3.70	8.64	15.0	22.4	29.6	35.5	39.9	42.6	42.9	40.8	37.2	31.4	23.5	15.2	8.47	3.75	0.80	402	0.00
-50	0.65	3.22	7.36	12.5	18.6	24.9	30.4	34.3	36.6	36.9	35.2	31.4	25.7	19.1	12.6	7.36	3.33	0.73	341	0.00
-60	0.58	2.69	6.01	10.1	14.6	19.3	23.4	26.3	27.9	28.0	26.7	23.9	19.7	14.9	10.2	6.16	2.83	0.67	264	0.00
-70	0.51	2.11	4.58	7.52	10.7	13.8	16.5	18.3	19.3	19.4	18.5	16.8	14.2	10.9	7.71	4.73	2.28	0.60	188	0.00
-80	0.45	1.55	3.01	4.67	6.30	7.86	9.15	10.1	10.5	10.6	10.2	9.30	8.01	6.43	4.78	3.18	1.74	0.53	108	0.00
-90	0.43	1.46	2.77	4.32	6.03	7.77	9.20	10.1	10.6	10.6	10.3	9.51	8.19	6.51	4.77	3.12	1.71	0.52	108	0.00
-90 -80 -70 -60 -50 -40 -30 -20 HORIZONTAL(DEG) 20 30 40 50 60 70 80 90																				
F t	12.3	62.6	151	273	406	565	1094	4293	11640	11654	4543	1238	588	409	270	148	63.3	13.8	37422	---
F a	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3163	10700	10713	3425	43.5	0.00	0.00	0.00	0.00	0.00	0.00	---	28045

one-half-peak spread: U:11.7,D:11.2 , L:11.5,R:11.7

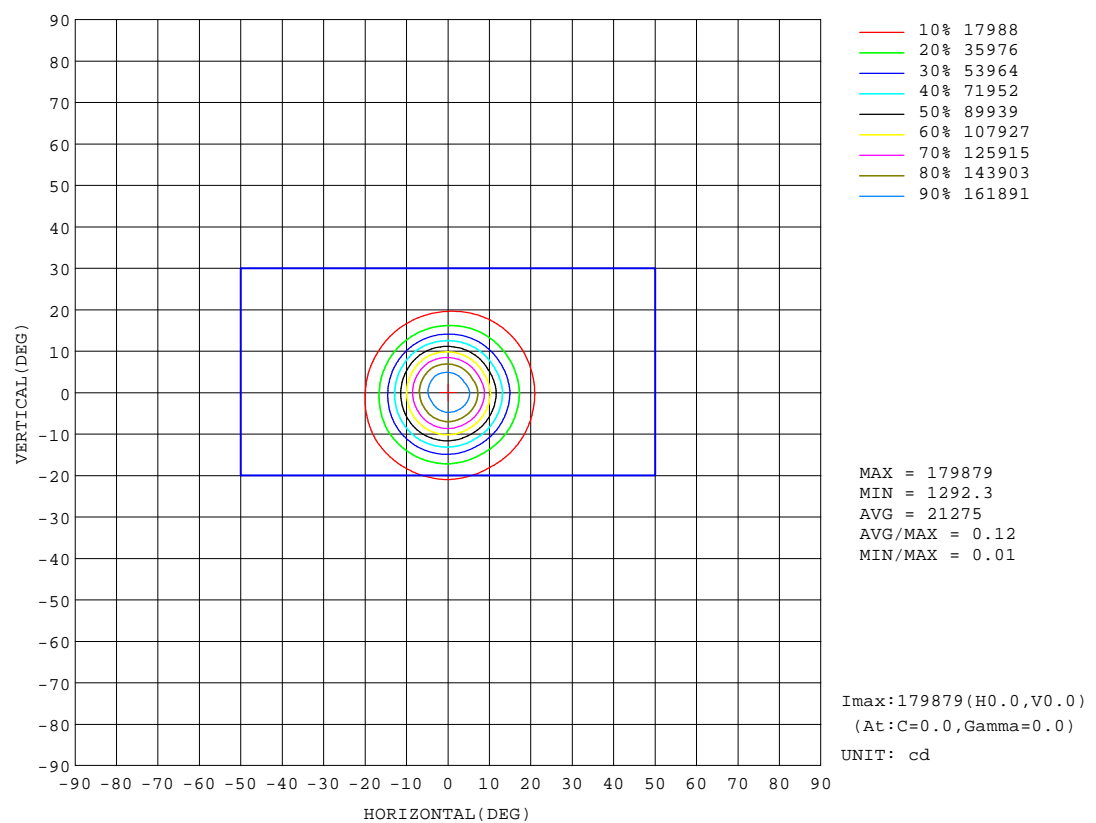
NEMA Beam Type: Type 3

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:30DEG
 Operators:DAMIN Test
 Date:2018-08-06

g Range: 0 - 90DEG
 g Interval: 1.0DEG
 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:229.97V I:1.0487A P:237.78W PF:0.9859 Freq:49.99Hz Lamp Flux:37422.1x1 lm		
NAME: 240W-5050-20	TYPE:	WEIGHT:
SPEC.:240W	DIM.: 400X300	SERIAL No.:
MFR.: Lanyeeh	SUR.:.4X.3	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:DAMIN
Test Date:2018-08-06

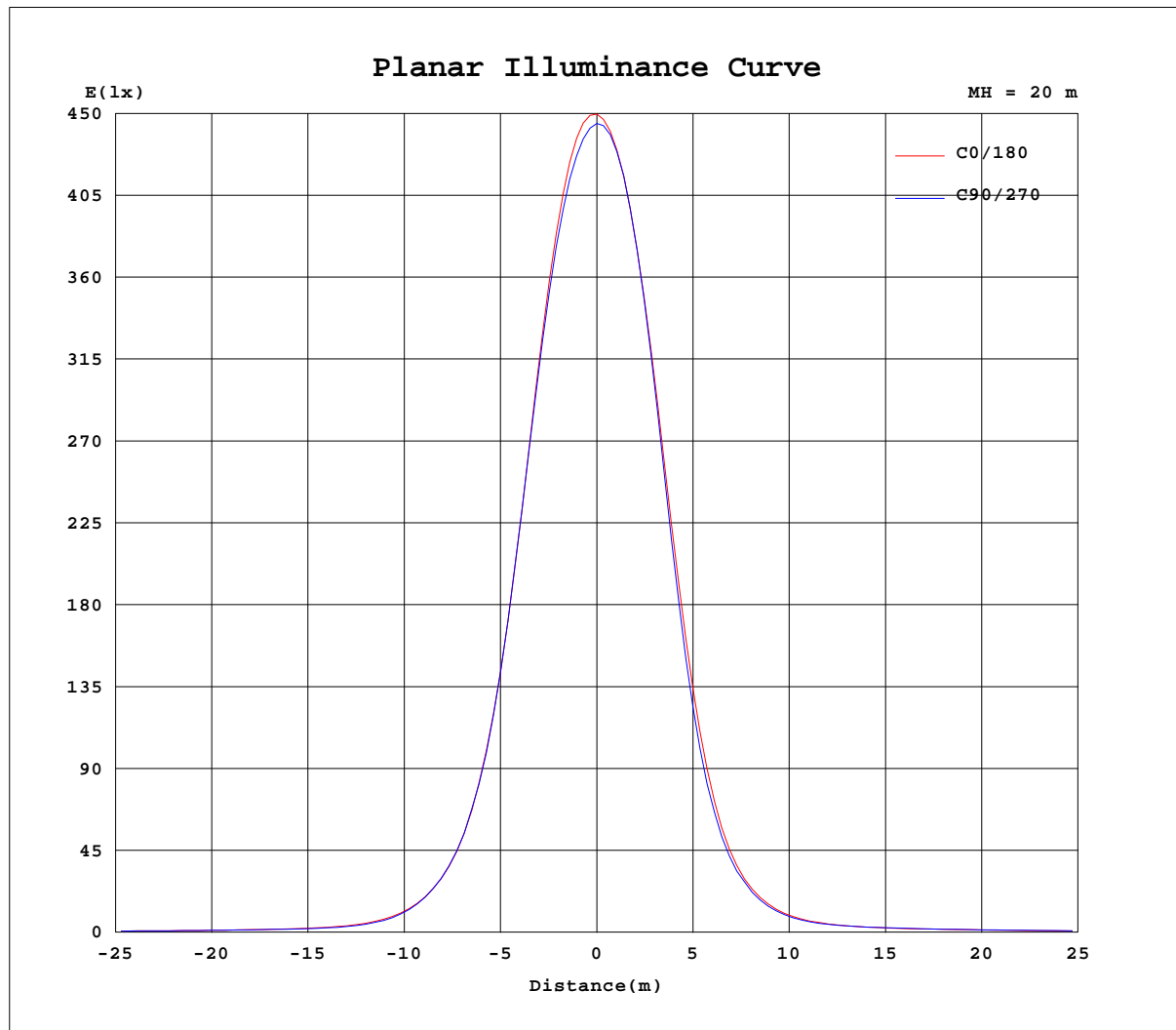
deg Range: 0 - 90DEG
Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:8.230m [K=1.0000]
Remarks:

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Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:8.230m [K=1.0000]
Remarks:

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Planar Illuminance Curve



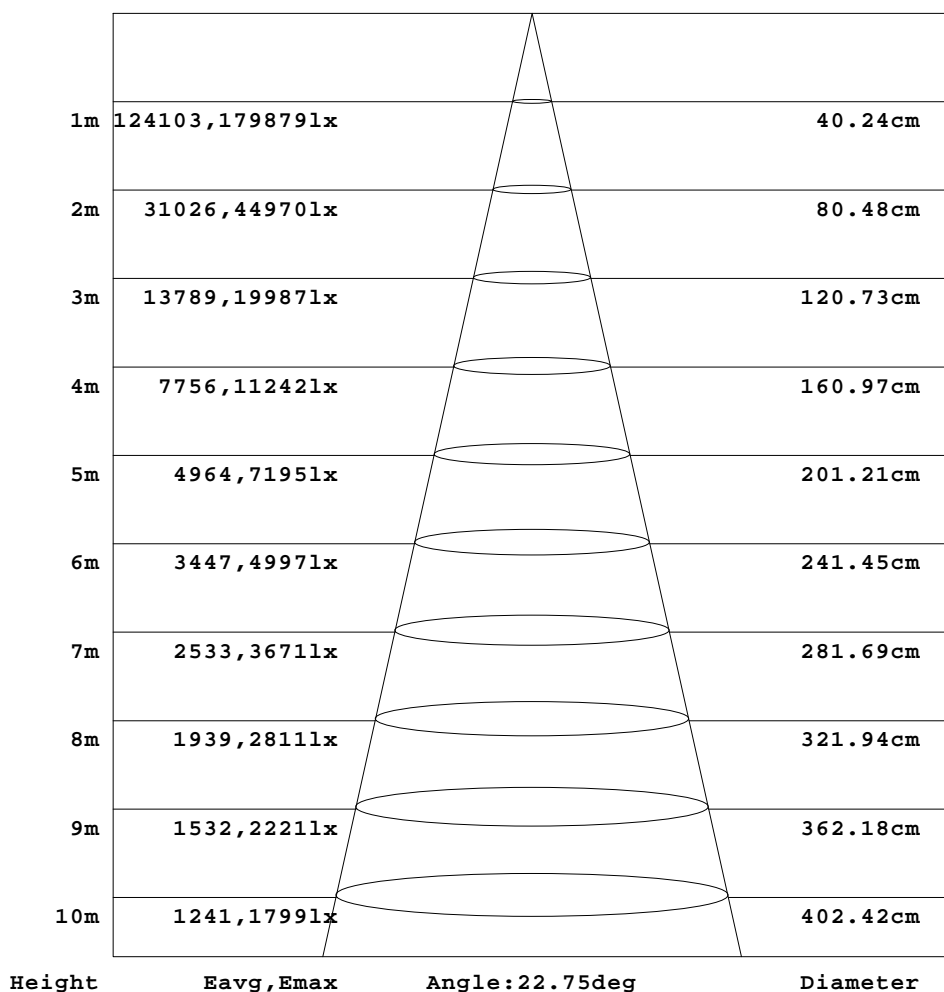
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 30DEG
Operators: DAMIN
Test Date: 2018-08-06

deg Range: 0 - 90DEG
Interval: 1.0DEG
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:229.97V I:1.0487A P:237.78W PF:0.9859 Freq:49.99Hz Lamp Flux:37422.1x1 lm		
NAME: 240W-5050-20	TYPE:	WEIGHT:
SPEC.:240W	DIM.: 400X300	SERIAL No.:
MFR.: Lanyeeh	SUR.:.4X.3	Shielding Angle:

Flux out:17615 lm



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

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:30DEG
 Operators:DAMIN
 Test Date:2018-08-06

g Range: 0 - 90DEG
 g Interval: 1.0DEG
 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:229.97V I:1.0487A P:237.78W PF:0.9859 Freq:49.99Hz Lamp Flux:37422.1x1 lm		
NAME: 240W-5050-20	TYPE:	WEIGHT:
SPEC.:240W	DIM.: 400X300	SERIAL No.:
MFR.: Lanyeeh	SUR.:.4X.3	Shielding Angle:

Table--1

UNIT: ×100cd

H(DEC) V(DEC)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-90	1.53	1.59	1.65	1.70	1.76	1.82	1.88	1.92	1.96	2.00	2.04	2.08	2.12	2.13	2.14	2.15	2.16	2.17	2.18
-85	1.53	1.63	1.75	1.93	2.12	2.32	2.51	2.65	2.78	2.90	3.02	3.12	3.22	3.29	3.35	3.39	3.43	3.45	3.47
-80	1.53	1.68	1.97	2.28	2.60	2.93	3.28	3.53	3.76	3.97	4.17	4.37	4.57	4.70	4.81	4.89	4.95	4.99	5.00
-75	1.53	1.77	2.20	2.63	3.10	3.56	3.97	4.30	4.63	4.96	5.28	5.57	5.84	6.01	6.14	6.25	6.33	6.39	6.41
-70	1.53	1.88	2.42	2.99	3.59	4.11	4.59	5.04	5.48	5.89	6.28	6.63	6.96	7.21	7.40	7.56	7.67	7.73	7.75
-65	1.53	1.98	2.63	3.35	4.03	4.65	5.21	5.75	6.28	6.78	7.26	7.73	8.16	8.50	8.75	8.95	9.10	9.19	9.21
-60	1.53	2.08	2.85	3.69	4.46	5.18	5.83	6.44	7.07	7.69	8.30	8.87	9.39	9.83	10.2	10.4	10.6	10.8	10.8
-55	1.53	2.18	3.07	4.01	4.88	5.68	6.43	7.12	7.87	8.62	9.34	10.0	10.6	11.1	11.4	11.7	12.0	12.1	12.2
-50	1.53	2.27	3.28	4.31	5.29	6.18	7.04	7.83	8.66	9.54	10.4	11.1	11.6	12.0	12.4	12.7	13.0	13.2	13.3
-45	1.53	2.34	3.47	4.60	5.65	6.66	7.65	8.57	9.44	10.4	11.2	11.9	12.4	12.9	13.3	13.6	13.8	14.0	14.1
-40	1.53	2.41	3.65	4.87	6.00	7.14	8.26	9.31	10.3	11.2	12.0	12.6	13.2	13.6	14.0	14.4	14.9	15.3	15.4
-35	1.53	2.48	3.81	5.11	6.33	7.61	8.85	10.0	11.1	11.8	12.6	13.3	13.8	14.4	15.3	16.5	17.7	18.6	18.9
-30	1.53	2.54	3.95	5.32	6.64	8.04	9.42	10.7	11.8	12.6	13.1	13.8	14.8	16.2	18.7	22.3	27.0	31.8	33.9
-25	1.53	2.59	4.06	5.49	6.93	8.45	9.95	11.3	12.5	13.3	13.8	14.6	16.3	19.9	26.8	40.2	58.7	76.7	84.6
-20	1.53	2.63	4.16	5.64	7.18	8.80	10.4	11.9	13.1	13.9	14.7	16.0	18.9	26.9	46.4	84.0	138	192	216
-15	1.53	2.66	4.23	5.76	7.38	9.11	10.8	12.4	13.7	14.5	15.8	17.6	23.1	39.3	82.3	168	310	466	532
-10	1.53	2.67	4.28	5.84	7.54	9.36	11.2	12.8	14.1	15.2	16.7	19.4	28.0	55.0	129	310	620	964	1106
-5	1.53	2.68	4.31	5.89	7.65	9.53	11.4	13.2	14.6	15.7	17.5	20.9	32.3	66.9	170	444	944	1421	1608
0	1.53	2.68	4.31	5.91	7.70	9.64	11.6	13.4	14.9	16.2	18.2	21.8	33.9	68.6	178	492	1075	1609	1799
5	1.53	2.68	4.31	5.91	7.70	9.64	11.6	13.4	14.9	16.2	18.1	21.4	31.7	61.6	151	405	913	1430	1609
10	1.53	2.67	4.28	5.88	7.64	9.55	11.5	13.3	14.8	16.1	17.9	20.5	27.8	48.2	103	246	546	910	1049
15	1.53	2.65	4.23	5.80	7.52	9.39	11.3	13.2	14.7	15.9	17.4	19.5	23.8	35.1	63.7	127	239	382	451
20	1.53	2.61	4.16	5.69	7.34	9.16	11.0	12.8	14.4	15.6	16.9	18.6	21.0	26.6	39.0	62.9	99.7	143	164
25	1.53	2.57	4.06	5.55	7.11	8.85	10.6	12.4	14.0	15.2	16.3	17.6	19.2	21.8	26.5	34.3	46.3	58.3	64.1
30	1.53	2.52	3.94	5.38	6.84	8.47	10.2	11.9	13.5	14.7	15.8	16.7	17.8	19.1	21.0	23.8	27.0	30.1	31.6
35	1.53	2.46	3.79	5.17	6.52	8.03	9.61	11.2	12.8	14.1	15.1	16.0	16.8	17.6	18.4	19.4	20.7	21.7	22.2
40	1.53	2.39	3.62	4.92	6.17	7.54	9.00	10.5	11.9	13.3	14.3	15.1	15.8	16.5	17.1	17.6	18.1	18.5	18.8
45	1.53	2.32	3.43	4.63	5.79	7.01	8.32	9.64	11.0	12.2	13.4	14.2	14.9	15.4	15.9	16.4	16.7	16.9	17.0
50	1.53	2.24	3.23	4.33	5.40	6.46	7.59	8.77	9.95	11.1	12.2	13.1	13.8	14.4	14.8	15.1	15.4	15.6	15.7
55	1.53	2.15	3.01	3.99	4.97	5.90	6.86	7.86	8.89	9.88	10.8	11.7	12.5	13.1	13.5	13.8	14.0	14.1	14.2
60	1.53	2.05	2.78	3.64	4.49	5.32	6.13	6.96	7.81	8.66	9.46	10.2	10.9	11.4	11.8	12.1	12.3	12.5	12.5
65	1.53	1.95	2.56	3.27	3.99	4.71	5.39	6.07	6.77	7.44	8.10	8.73	9.30	9.72	10.0	10.3	10.4	10.5	10.5
70	1.53	1.84	2.34	2.88	3.48	4.06	4.64	5.21	5.75	6.28	6.79	7.27	7.72	8.03	8.26	8.42	8.53	8.58	8.57
75	1.53	1.73	2.12	2.52	2.95	3.40	3.84	4.29	4.74	5.16	5.55	5.92	6.26	6.46	6.60	6.70	6.77	6.80	6.79
80	1.53	1.64	1.89	2.16	2.45	2.74	3.05	3.35	3.66	3.96	4.26	4.54	4.80	4.93	5.02	5.08	5.12	5.13	5.11
85	1.53	1.60	1.68	1.82	1.97	2.12	2.27	2.44	2.60	2.76	2.92	3.06	3.20	3.28	3.34	3.39	3.43	3.45	3.46
90	1.53	1.56	1.58	1.61	1.64	1.66	1.69	1.74	1.79	1.84	1.89	1.94	2.00	2.02	2.04	2.06	2.09	2.11	2.13

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C Interval: 30.0DEG
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SPEC.:240W									DIM.: 400X300						SERIAL No.:		
MFR.: Lanyeeh									SUR.:.4X.3						Shielding Angle:		

Table--2

UNIT: ×100cd

H(DEC) V(DEC)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
-90	2.16	2.15	2.14	2.12	2.11	2.10	2.07	2.04	2.01	1.98	1.95	1.92	1.90	1.88	1.87	1.85	1.83	1.82
-85	3.47	3.46	3.44	3.40	3.36	3.30	3.20	3.08	2.97	2.84	2.72	2.59	2.46	2.32	2.19	2.07	1.94	1.82
-80	5.01	5.00	4.96	4.89	4.81	4.70	4.50	4.29	4.07	3.83	3.59	3.35	3.05	2.77	2.51	2.28	2.05	1.82
-75	6.41	6.38	6.32	6.23	6.12	5.97	5.71	5.41	5.10	4.77	4.41	4.06	3.66	3.26	2.84	2.48	2.15	1.82
-70	7.76	7.72	7.64	7.51	7.33	7.10	6.76	6.39	6.00	5.60	5.17	4.72	4.23	3.73	3.19	2.68	2.25	1.82
-65	9.22	9.18	9.06	8.90	8.67	8.33	7.88	7.39	6.88	6.37	5.84	5.32	4.77	4.17	3.53	2.89	2.34	1.82
-60	10.8	10.7	10.6	10.3	10.0	9.62	9.08	8.48	7.83	7.17	6.51	5.87	5.25	4.58	3.86	3.10	2.43	1.82
-55	12.3	12.2	12.0	11.8	11.4	10.9	10.3	9.62	8.85	8.03	7.20	6.42	5.68	4.96	4.16	3.30	2.51	1.82
-50	13.3	13.3	13.2	13.0	12.7	12.2	11.6	10.8	9.89	8.92	7.94	6.98	6.10	5.29	4.43	3.50	2.59	1.82
-45	14.1	14.0	13.9	13.7	13.6	13.2	12.7	11.9	10.9	9.83	8.67	7.56	6.51	5.58	4.68	3.68	2.66	1.82
-40	15.4	15.1	14.7	14.2	14.1	13.8	13.5	12.8	11.9	10.7	9.39	8.12	6.92	5.86	4.90	3.84	2.73	1.82
-35	18.5	17.5	16.6	15.8	15.0	14.5	14.0	13.5	12.7	11.5	10.1	8.65	7.32	6.12	5.09	3.98	2.80	1.82
-30	31.4	26.3	21.4	18.4	16.6	15.4	14.7	14.0	13.2	12.1	10.6	9.13	7.68	6.35	5.24	4.10	2.86	1.82
-25	75.6	56.8	38.8	26.6	19.9	16.9	15.5	14.4	13.6	12.6	11.1	9.53	8.00	6.56	5.36	4.19	2.91	1.82
-20	188	134	83.2	46.8	27.7	19.6	16.3	14.9	13.9	12.9	11.5	9.87	8.26	6.74	5.46	4.27	2.95	1.82
-15	449	296	170	85.8	41.5	23.7	17.7	15.3	14.1	13.2	11.8	10.1	8.46	6.88	5.55	4.33	2.98	1.82
-10	939	600	310	140	60.6	29.5	19.1	15.8	14.2	13.3	11.9	10.3	8.60	6.98	5.60	4.37	3.00	1.82
-5	1440	951	460	192	78.6	34.8	20.5	16.3	14.3	13.4	12.0	10.3	8.67	7.03	5.62	4.39	3.01	1.82
0	1643	1110	536	215	86.0	37.2	21.1	16.5	14.3	13.4	12.0	10.3	8.68	7.03	5.62	4.38	3.01	1.82
5	1407	905	443	187	78.5	36.0	21.6	17.1	14.9	13.8	12.3	10.5	8.79	7.09	5.65	4.39	3.01	1.82
10	891	561	287	135	61.9	32.2	21.4	17.5	15.3	14.1	12.5	10.6	8.82	7.10	5.65	4.38	3.00	1.82
15	399	273	157	84.0	45.1	27.9	20.8	17.5	15.7	14.3	12.5	10.6	8.78	7.06	5.62	4.35	2.98	1.82
20	156	120	79.7	49.2	32.7	24.5	20.1	17.5	15.9	14.3	12.4	10.5	8.66	6.97	5.56	4.30	2.95	1.82
25	63.5	53.9	41.6	31.7	25.2	21.5	19.4	17.4	15.9	14.1	12.2	10.3	8.47	6.82	5.48	4.23	2.91	1.82
30	32.0	30.0	26.7	23.7	21.2	19.4	18.1	17.1	15.6	13.8	11.8	9.94	8.20	6.64	5.36	4.14	2.86	1.82
35	22.5	22.1	21.2	20.0	18.8	17.9	17.2	16.3	15.0	13.2	11.3	9.50	7.86	6.41	5.22	4.02	2.80	1.82
40	18.9	18.7	18.3	17.8	17.4	16.9	16.2	15.2	14.0	12.4	10.6	8.98	7.46	6.14	5.03	3.88	2.73	1.82
45	17.1	17.1	16.9	16.7	16.3	15.7	14.9	13.9	12.8	11.5	9.88	8.39	7.03	5.85	4.79	3.71	2.66	1.82
50	15.8	15.8	15.6	15.3	14.9	14.2	13.5	12.6	11.5	10.3	9.06	7.74	6.56	5.53	4.53	3.53	2.58	1.82
55	14.2	14.2	14.0	13.7	13.2	12.7	11.9	11.1	10.2	9.19	8.19	7.08	6.07	5.16	4.25	3.33	2.50	1.82
60	12.5	12.4	12.2	11.9	11.5	11.0	10.4	9.64	8.87	8.08	7.28	6.40	5.57	4.74	3.93	3.12	2.42	1.82
65	10.5	10.4	10.3	10.0	9.73	9.32	8.80	8.23	7.64	7.02	6.40	5.72	5.00	4.30	3.59	2.90	2.33	1.82
70	8.57	8.52	8.41	8.24	8.02	7.73	7.35	6.93	6.49	6.02	5.52	4.99	4.40	3.82	3.22	2.68	2.24	1.82
75	6.80	6.78	6.71	6.61	6.47	6.29	6.01	5.70	5.37	5.01	4.63	4.23	3.77	3.29	2.84	2.46	2.14	1.82
80	5.14	5.13	5.10	5.05	4.97	4.86	4.66	4.44	4.21	3.97	3.70	3.39	3.06	2.76	2.49	2.26	2.04	1.82
85	3.48	3.49	3.48	3.46	3.43	3.39	3.27	3.14	3.00	2.85	2.69	2.54	2.41	2.28	2.15	2.04	1.93	1.82
90	2.13	2.12	2.11	2.11	2.10	2.10	2.06	2.01	1.97	1.93	1.89	1.85	1.84	1.84	1.83	1.83	1.82	1.82

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:DAMIN
Test Date:2018-08-06

g Range: 0 - 90DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:8.230m [K=1.0000]
Remarks: