

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

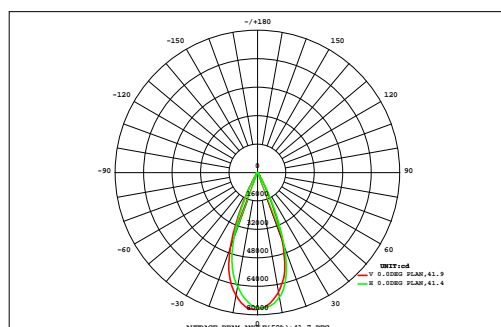
Maximum Intensity		2050.1 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	58.8V x 59.1H
	At 50% of Imax	41.4V x 41.9H
	At 90% of Imax	18.7V x 19.7H
Beam Flux	Total	1000.3 lumens per klm.
	To 10% of Imax	859.6 lumens per klm.
	To 50% of Imax	645.7 lumens per klm.
	To 90% of Imax	180.2 lumens per klm.
	Upward LOR	0.0 %
	Downward LOR	100.0 %
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:230.00V I:1.0459A P:237.11W PF:0.9857 Freq:49.99Hz Lamp Flux:37542.9x1 lm		
NAME: 240W-5050-40	TYPE:	WEIGHT:
SPEC.:240W	DIM.: 400X300	SERIAL No.:
MFR.: Lanyeeh	SUR.:.4X.3	Shielding Angle:



DATA OF LAMP		Eff:158.34lm/W	
MODEL	5050	Imax(cd)	76965
NOMINAL POWER(W)	240	AVAILABILITY(%)	86.0
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	32294
NOMINAL FLUX(lm)	37542.9	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	37543
TEST VOLTAGE(V)	230	q @50%(H,V)	42,41DEG

90 80 70 60 50 40 30 -30 -40 -50 -60 -70 -80 -90	AREA FLUX DIAGRAM															UNIT:lm		F t	F a	
	0.38	1.24	2.27	3.45	4.66	5.82	6.84	7.64	8.14	8.19	7.78	7.08	6.14	5.01	3.78	2.50	1.34	0.40	82.6	0.00
0.42	1.58	3.37	5.66	8.17	10.9	13.2	14.9	15.7	15.7	14.9	13.3	11.1	8.69	6.22	3.69	1.70	0.44	150	0.00	
0.46	1.98	4.54	7.85	11.8	16.1	19.9	22.6	24.2	24.4	23.1	20.6	16.6	12.4	8.54	4.95	2.11	0.48	223	0.00	
0.50	2.38	5.64	10.1	15.6	21.4	26.5	29.9	31.7	31.8	30.2	27.0	22.2	16.2	10.5	5.95	2.51	0.53	290	0.00	
0.54	2.74	6.73	12.5	19.5	26.2	31.5	36.2	39.5	39.8	37.0	32.4	26.7	20.0	12.7	6.77	2.83	0.57	354	0.00	
0.58	3.07	7.78	14.9	22.6	30.3	40.0	54.1	76.2	79.2	57.8	41.0	31.0	23.0	14.6	7.52	3.08	0.60	507	0.00	
0.60	3.33	8.71	16.8	25.2	36.5	72.9	281	575	591	316	86.9	37.5	24.5	15.8	8.14	3.25	0.62	2103	1596	
0.62	3.51	9.42	18.1	27.6	47.2	252	1004	1560	1578	1058	308	51.2	25.4	16.2	8.51	3.34	0.64	5971	5639	
0.63	3.60	9.82	18.8	29.4	64.0	510	1563	2106	2107	1619	601	73.7	25.7	15.9	8.59	3.35	0.64	8761	8473	
0.63	3.58	9.69	18.5	28.8	64.9	522	1606	2177	2215	1687	607	72.7	25.0	15.6	8.45	3.32	0.64	9067	8783	
0.62	3.45	9.06	17.1	25.8	47.2	270	1077	1719	1740	1133	305	48.2	23.5	15.2	8.12	3.24	0.63	6446	6125	
0.60	3.23	8.18	15.3	22.3	33.1	77.1	299	622	625	303	79.9	33.1	21.5	14.2	7.55	3.09	0.62	2169	1679	
0.57	2.96	7.18	13.1	19.3	26.2	36.6	54.0	77.5	76.7	52.5	36.0	26.5	19.4	12.7	6.80	2.89	0.59	471	0.00	
0.54	2.65	6.15	10.7	16.4	22.4	27.5	32.0	35.3	35.2	32.0	27.6	22.5	16.6	10.7	5.97	2.63	0.56	307	0.00	
0.50	2.31	5.16	8.64	13.1	18.1	22.6	25.8	27.5	27.4	25.6	22.5	18.2	13.3	8.72	5.13	2.34	0.52	248	0.00	
0.46	1.94	4.26	6.91	10.1	13.5	16.6	18.8	20.1	20.1	18.9	16.6	13.4	10.1	7.01	4.32	2.01	0.48	185	0.00	
0.42	1.57	3.26	5.28	7.29	9.31	11.2	12.5	13.2	13.2	12.5	11.2	9.44	7.45	5.47	3.43	1.64	0.44	129	0.00	
0.38	1.26	2.30	3.45	4.57	5.60	6.46	7.13	7.53	7.54	7.14	6.47	5.63	4.66	3.56	2.38	1.30	0.40	77.7	0.00	
-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL(DEG)				20	30	40	50	60	70	80	90	
F t	9.45	46.4	114	207	312	499	1963	6145	9136	9236	6436	2249	526	303	197	109	46.0	9.79	37543	---
F a	0.00	0.00	0.00	0.00	0.00	0.00	1383	5698	8707	8806	5993	1707	0.00	0.00	0.00	0.00	0.00	0.00	---	32294

one-half-peak spread: U:19.3,D:20.3 , L:21.5,R:20.6

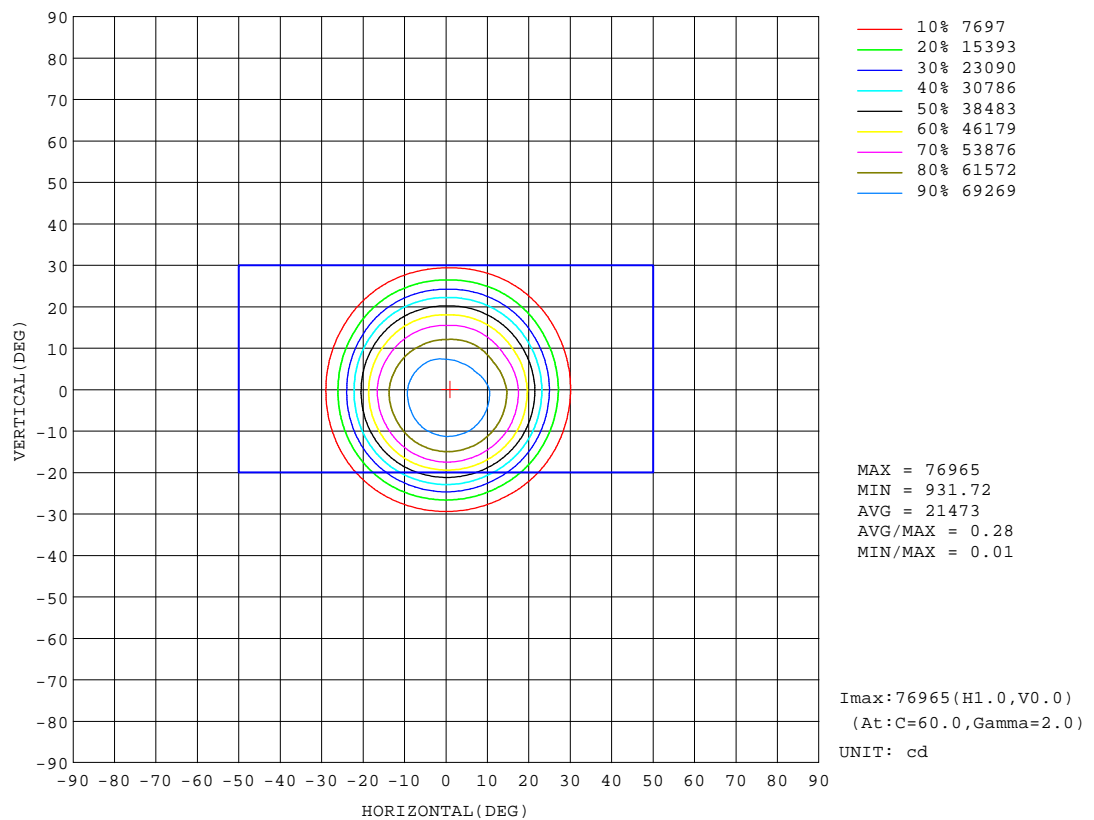
NEMA Beam Type: Type 4

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:230.00V I:1.0459A P:237.11W PF:0.9857 Freq:49.99Hz Lamp Flux:37542.9x1 lm		
NAME: 240W-5050-40	TYPE:	WEIGHT:
SPEC.:240W	DIM.: 400X300	SERIAL No.:
MFR.: Lanyeeh	SUR.:.4X.3	Shielding Angle:

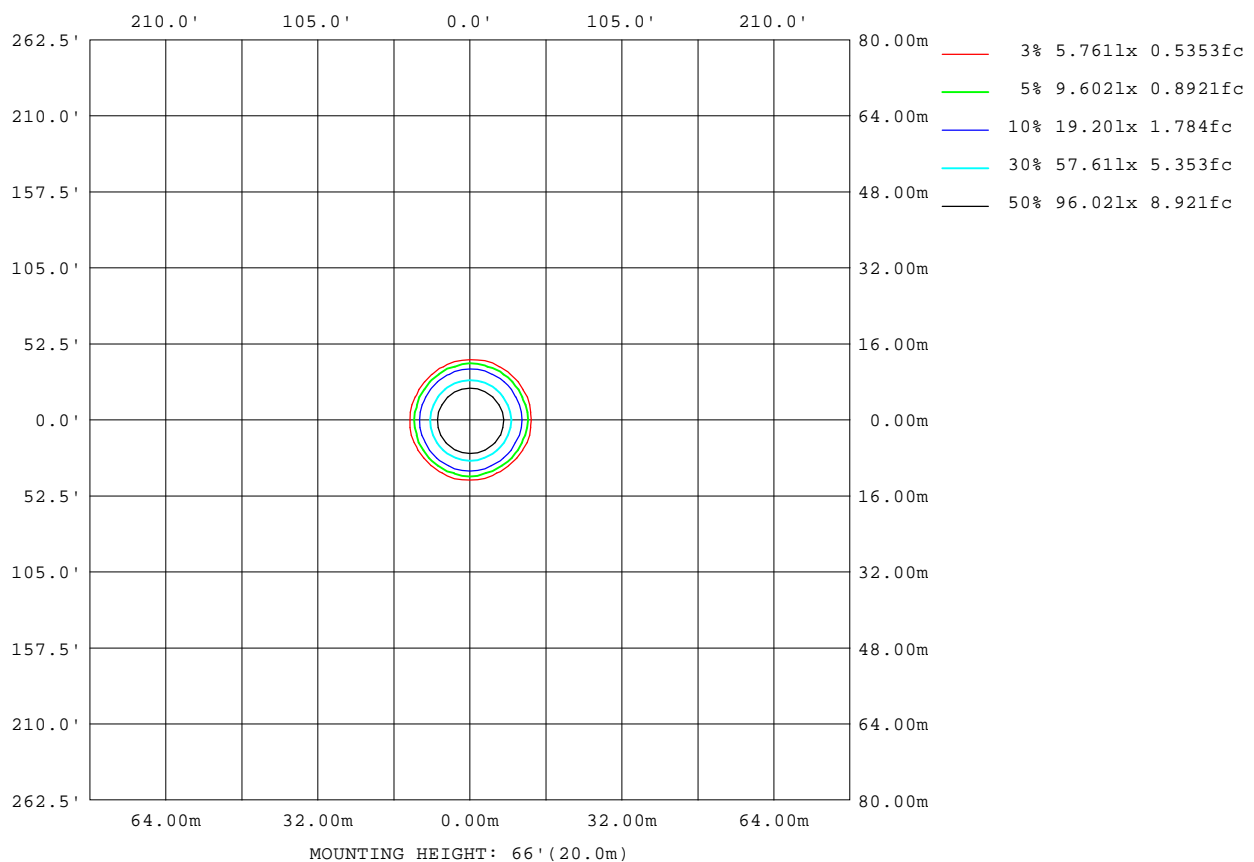


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deg Range: 0 - 90DEG
Interval: 1.0DEG
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Humidity:65.0%
Test Distance:8.230m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

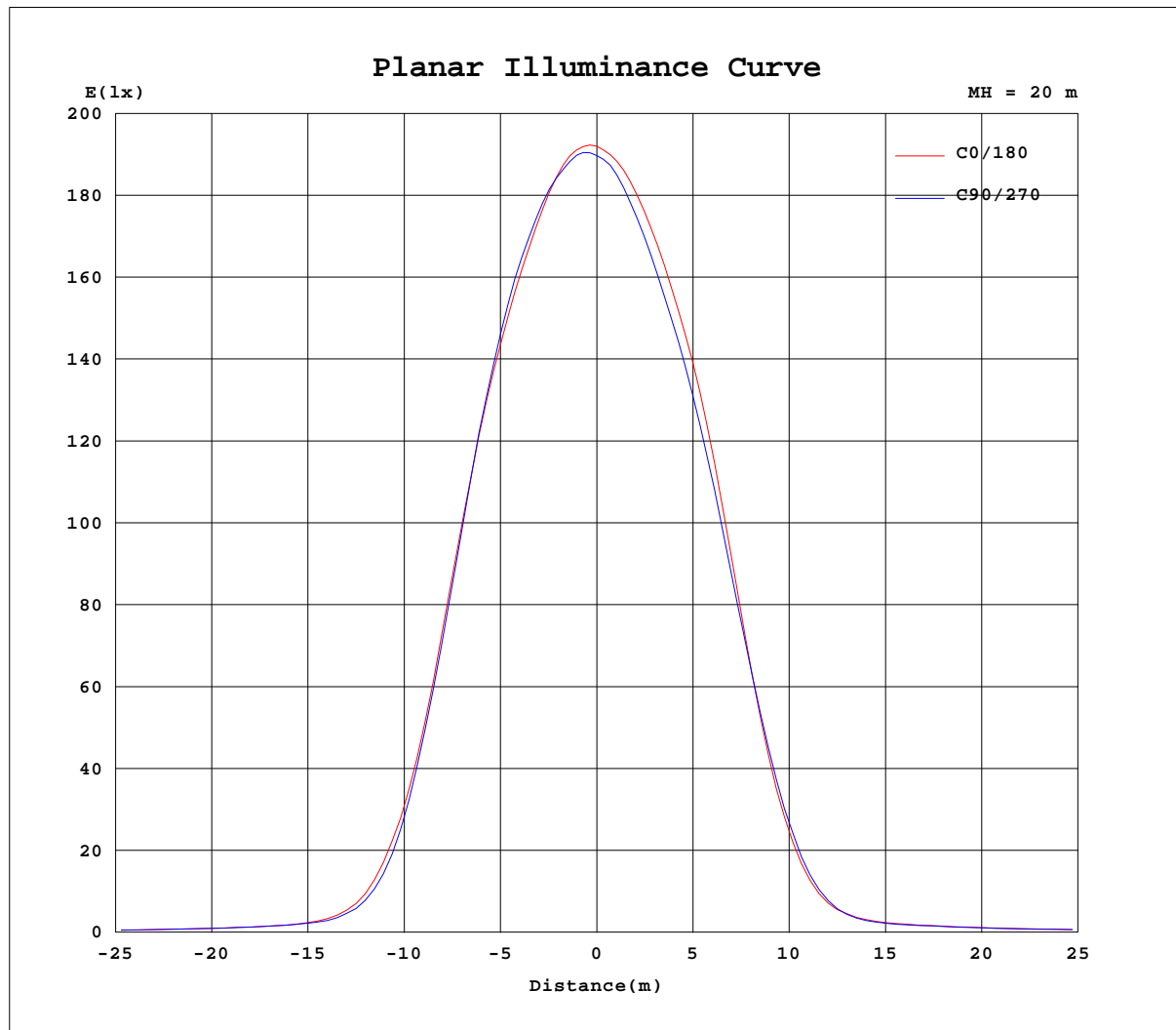
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C Interval: 30.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:DAMIN
Test Date:2018-08-06

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:

Planar Illuminance Curve



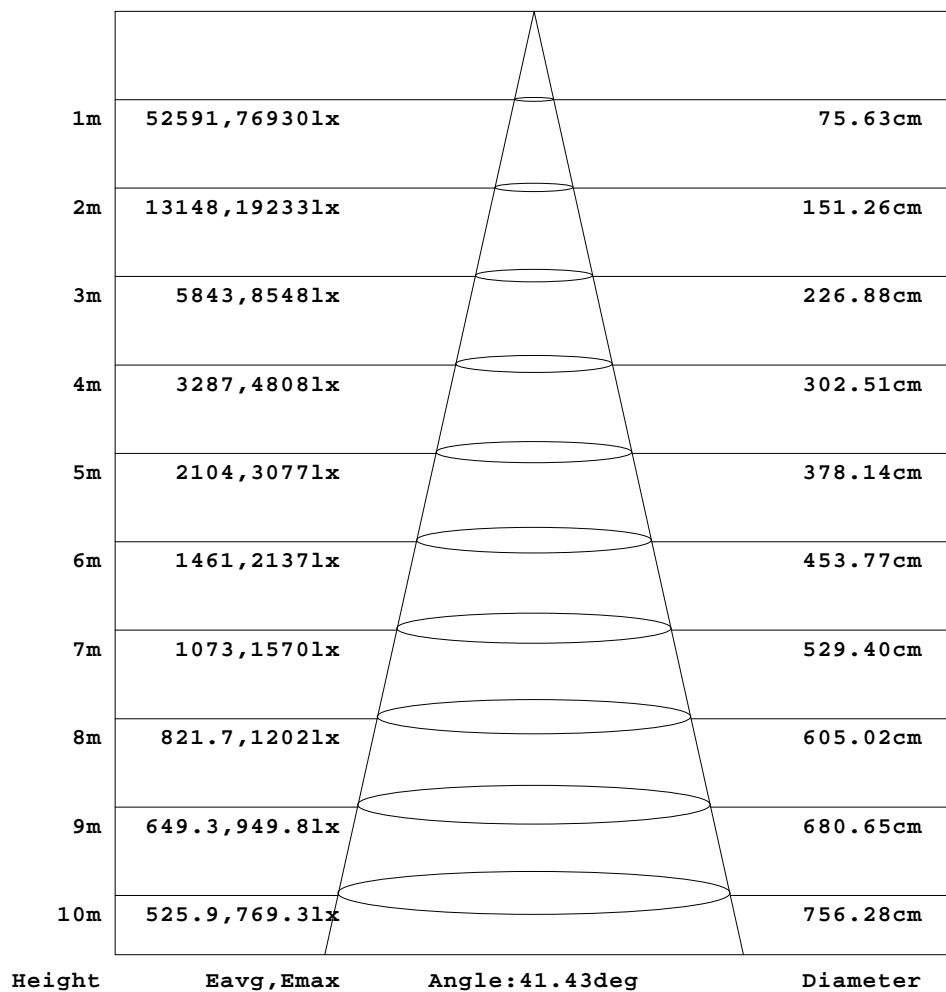
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 30DEG
Operators: DAMIN
Test Date: 2018-08-06

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:230.00V I:1.0459A P:237.11W PF:0.9857 Freq:49.99Hz Lamp Flux:37542.9x1 lm		
NAME: 240W-5050-40	TYPE:	WEIGHT:
SPEC.:240W	DIM.: 400X300	SERIAL No.:
MFR.: Lanyeeh	SUR.:.4X.3	Shielding Angle:

Flux out:24345 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:230.00V I:1.0459A P:237.11W PF:0.9857 Freq:49.99Hz Lamp Flux:37542.9x1 lm		
NAME: 240W-5050-40	TYPE:	WEIGHT:
SPEC.:240W	DIM.: 400X300	SERIAL No.:
MFR.: Lanyeeh	SUR.:.4X.3	Shielding Angle:

Table--1

UNIT: x10cd

H(DEC) V(DEC)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-90	13.3	13.7	14.0	14.4	14.8	15.2	15.5	15.9	16.2	16.6	16.9	17.3	17.6	17.7	17.8	17.9	18.0	18.1	18.2
-85	13.3	14.1	14.8	15.8	16.7	17.7	18.7	19.5	20.2	20.9	21.5	22.1	22.6	23.0	23.4	23.8	24.1	24.4	24.6
-80	13.3	14.4	16.0	17.6	19.3	21.1	23.1	24.7	26.0	27.2	28.3	29.2	29.9	30.9	31.9	32.8	33.6	34.1	34.5
-75	13.3	15.0	17.2	19.5	22.3	25.2	28.1	30.4	32.3	33.9	35.6	37.4	39.2	40.6	41.6	42.4	43.0	43.4	43.5
-70	13.3	15.6	18.4	21.8	25.5	29.4	32.8	35.1	37.5	40.2	42.8	45.4	48.1	50.1	51.7	52.9	53.8	54.3	54.4
-65	13.3	16.1	19.7	24.0	28.8	33.2	36.3	39.3	42.8	46.5	50.4	54.2	57.6	60.3	62.3	64.0	65.3	66.1	66.4
-60	13.3	16.7	21.0	26.3	32.0	36.4	40.2	43.9	48.6	53.6	58.3	62.8	67.0	70.7	73.7	76.1	77.9	79.1	79.5
-55	13.3	17.2	22.3	28.7	34.7	39.8	44.6	48.8	54.7	60.7	66.6	72.4	77.8	82.7	86.2	88.7	90.3	91.3	91.7
-50	13.3	17.7	23.6	31.0	37.4	43.6	49.3	54.7	61.0	68.3	75.7	82.3	88.2	92.6	95.4	97.6	99.3	100	101
-45	13.3	18.2	24.8	33.0	40.2	47.4	54.3	60.9	67.6	76.3	83.8	90.4	95.5	99.1	102	106	111	114	115
-40	13.3	18.6	26.1	34.8	43.1	51.3	59.5	67.7	75.4	82.7	90.7	97.0	102	109	119	130	138	144	146
-35	13.3	19.0	27.2	36.6	45.9	55.2	64.8	74.9	83.0	88.6	96.6	103	114	130	149	169	190	209	216
-30	13.3	19.3	28.2	38.3	48.5	59.0	70.4	81.9	90.0	96.4	102	114	134	162	207	301	447	594	656
-25	13.3	19.6	29.1	39.8	51.0	62.7	75.7	88.2	96.5	103	112	128	161	230	429	852	1472	1975	2185
-20	13.3	19.9	29.8	41.2	53.2	66.1	80.8	93.7	102	110	125	148	210	424	1047	2170	3323	4101	4389
-15	13.3	20.0	30.4	42.4	55.1	69.2	85.4	98.6	107	117	137	174	305	816	2111	3774	5116	5883	6162
-10	13.3	20.1	30.8	43.3	56.6	71.9	89.3	103	112	125	148	199	427	1347	3163	4992	6208	6878	7108
-5	13.3	20.2	31.0	43.9	57.8	74.0	92.5	106	116	132	157	221	548	1771	3853	5666	6720	7290	7541
0	13.3	20.2	31.0	44.2	58.5	75.4	94.8	109	119	138	163	229	587	1888	4067	5862	6820	7421	7682
5	13.3	20.2	31.1	44.2	58.3	75.0	93.9	108	118	135	160	218	532	1723	3762	5516	6505	7093	7213
10	13.3	20.2	30.9	43.8	57.7	73.8	92.1	106	117	131	154	197	403	1291	3010	4734	5811	6346	6499
15	13.3	20.1	30.6	43.1	56.6	71.9	89.5	104	114	126	147	176	277	748	1960	3516	4694	5326	5508
20	13.3	19.9	30.1	42.1	55.1	69.5	86.0	101	111	121	137	159	202	386	984	2019	3047	3700	3909
25	13.3	19.7	29.4	40.8	53.2	66.6	81.9	96.7	107	117	127	145	168	217	399	815	1386	1838	2008
30	13.3	19.4	28.5	39.4	51.0	63.2	77.1	91.4	102	111	120	131	148	167	198	276	429	577	644
35	13.3	19.0	27.5	37.7	48.4	59.6	71.9	85.0	96.5	105	113	121	130	144	158	171	187	204	212
40	13.3	18.6	26.4	35.9	45.7	55.8	66.5	78.1	89.3	98.5	107	113	118	124	133	143	150	154	155
45	13.3	18.2	25.2	34.0	42.7	51.8	61.1	70.9	81.0	91.0	99.2	106	110	113	117	121	126	129	131
50	13.3	17.7	23.9	31.8	39.6	47.6	55.7	63.9	72.8	81.7	89.8	97.0	103	107	109	111	113	114	115
55	13.3	17.2	22.5	29.4	36.6	43.4	50.2	57.1	64.8	72.4	79.4	85.7	91.4	96.5	100	103	104	105	105
60	13.3	16.6	21.2	26.9	33.3	39.2	45.0	50.7	57.2	63.6	69.7	75.0	79.7	83.7	87.1	90.1	92.3	93.7	94.5
65	13.3	16.1	19.8	24.4	29.8	35.2	39.9	44.7	49.7	54.9	60.0	64.8	69.2	72.5	74.9	77.0	78.7	80.0	80.7
70	13.3	15.5	18.5	22.0	26.2	30.6	35.0	38.7	42.6	46.6	50.4	54.2	57.8	60.4	62.3	63.7	64.8	65.4	65.6
75	13.3	14.9	17.2	19.7	22.6	25.9	29.4	32.4	35.2	37.9	40.8	43.9	46.8	48.4	49.6	50.6	51.4	51.9	52.0
80	13.3	14.3	15.8	17.5	19.4	21.4	23.6	25.5	27.4	29.2	30.8	32.3	33.8	35.3	36.6	37.7	38.6	39.2	39.6
85	13.3	13.9	14.6	15.5	16.5	17.4	18.5	19.5	20.4	21.3	22.1	22.8	23.5	24.1	24.7	25.2	25.7	26.0	26.3
90	13.3	13.5	13.8	14.0	14.2	14.5	14.7	15.1	15.4	15.8	16.2	16.6	16.9	17.1	17.3	17.5	17.6	17.8	18.0

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Test Distance:8.230m [K=1.0000]
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NAME: 240W-5050-40	TYPE:	WEIGHT:
SPEC.:240W	DIM.: 400X300	SERIAL No.:
MFR.: Lanyeeh	SUR.:.4X.3	Shielding Angle:

Table--2

UNIT: x10cd

H(DEC) V(DEC)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
-90	18.0	17.8	17.6	17.4	17.2	17.1	16.8	16.5	16.2	15.9	15.7	15.4	15.1	14.9	14.6	14.4	14.1	13.9
-85	24.4	24.1	23.8	23.5	23.1	22.6	22.3	21.9	21.4	20.8	20.2	19.4	18.3	17.3	16.4	15.5	14.7	13.9
-80	34.3	33.9	33.3	32.6	31.7	30.7	30.0	29.1	28.1	27.2	26.0	24.4	22.2	20.2	18.3	16.7	15.2	13.9
-75	43.3	42.9	42.3	41.5	40.7	39.7	38.2	36.4	34.7	33.0	31.6	29.7	26.6	23.3	20.4	17.9	15.8	13.9
-70	54.1	53.4	52.4	51.1	49.4	47.4	45.2	42.8	40.5	38.1	35.6	33.3	30.5	26.7	22.7	19.2	16.3	13.9
-65	66.2	65.5	64.1	62.3	60.0	57.0	53.6	50.1	46.7	43.3	39.9	36.7	33.4	29.8	25.0	20.5	16.8	13.9
-60	79.1	78.0	76.3	74.2	71.5	68.0	63.6	58.7	53.7	48.9	44.6	40.5	36.4	32.2	27.3	21.8	17.4	13.9
-55	90.9	89.5	87.5	85.0	81.8	77.9	73.2	67.9	61.9	55.5	49.4	44.6	39.6	34.6	29.3	23.1	17.9	13.9
-50	101	99.8	97.9	94.9	91.0	87.2	82.4	76.3	69.6	62.5	55.2	48.6	42.9	37.0	31.1	24.4	18.4	13.9
-45	114	111	107	104	101	95.8	90.4	84.9	77.1	68.9	61.2	52.9	45.9	39.4	32.8	25.6	18.8	13.9
-40	142	135	126	117	109	104	98.2	91.3	84.8	75.5	66.8	57.6	49.0	41.7	34.4	26.7	19.2	13.9
-35	208	187	165	144	127	114	106	97.9	90.2	82.2	72.2	62.1	52.0	43.8	35.9	27.7	19.6	13.9
-30	591	437	286	204	159	132	115	104	94.9	87.5	77.3	66.2	55.0	45.7	37.2	28.5	19.9	13.9
-25	1983	1469	866	440	234	161	128	111	99.3	90.6	81.8	69.9	57.8	47.3	38.4	29.2	20.2	13.9
-20	4149	3381	2249	1130	467	216	147	120	103	93.2	85.3	73.2	60.2	48.8	39.3	29.8	20.4	13.9
-15	5960	5268	3986	2304	942	340	171	128	107	95.1	87.5	75.9	62.2	50.0	40.1	30.3	20.6	13.9
-10	6969	6385	5308	3477	1572	515	202	136	112	96.3	88.7	78.0	63.7	50.9	40.7	30.6	20.7	13.9
-5	7444	6892	5930	4240	2098	700	234	142	115	96.8	89.4	79.4	64.7	51.5	41.0	30.7	20.7	13.9
0	7585	6999	6086	4475	2297	789	249	143	116	96.6	89.7	80.0	65.1	51.7	41.1	30.7	20.7	13.9
5	7013	6546	5675	4109	2083	708	238	145	118	99.2	91.5	80.9	65.7	52.1	41.4	30.9	20.8	13.9
10	6421	5910	4887	3315	1578	528	211	144	118	101	92.7	81.0	65.7	52.2	41.5	30.9	20.7	13.9
15	5384	4794	3703	2244	972	347	183	139	116	103	93.2	80.3	65.0	51.9	41.3	30.7	20.7	13.9
20	3753	3172	2216	1197	499	234	163	134	114	103	92.6	78.9	63.8	51.3	40.9	30.4	20.5	13.9
25	1897	1501	950	489	254	178	147	128	113	102	90.7	76.6	62.1	50.3	40.3	29.9	20.3	13.9
30	611	478	333	224	176	151	134	122	111	100	87.5	73.5	59.9	49.1	39.4	29.2	20.1	13.9
35	212	197	179	161	146	134	124	115	108	96.0	83.3	69.7	57.4	47.6	38.2	28.4	19.7	13.9
40	154	150	144	136	129	122	115	109	101	90.4	78.1	65.5	54.7	45.8	36.8	27.4	19.4	13.9
45	130	128	125	122	117	112	107	101	93.1	83.7	72.0	61.1	52.0	43.7	35.1	26.3	19.0	13.9
50	115	114	112	110	107	104	98.8	92.4	84.8	75.5	65.7	56.8	49.1	41.4	33.2	25.0	18.5	13.9
55	105	104	103	101	98.4	94.5	89.4	83.0	75.3	67.3	59.9	52.8	45.9	38.7	31.0	23.6	18.0	13.9
60	94.4	93.7	92.4	90.5	88.1	84.0	78.5	72.2	65.8	59.7	54.4	48.7	42.4	35.5	28.6	22.2	17.5	13.9
65	80.7	80.2	79.0	77.2	74.9	71.2	66.5	61.8	57.2	53.0	49.0	44.2	38.2	32.1	26.0	20.9	17.0	13.9
70	65.6	65.2	64.3	62.9	61.1	58.7	55.6	52.5	49.3	46.1	42.8	38.8	33.6	28.3	23.4	19.6	16.5	13.9
75	52.0	51.6	50.9	49.9	48.6	47.0	44.6	42.5	40.3	38.1	35.7	32.7	28.3	24.4	21.1	18.3	15.9	13.9
80	39.3	38.7	38.0	37.1	35.9	34.7	33.7	32.6	31.3	29.8	28.0	26.0	23.4	21.0	18.9	17.0	15.4	13.9
85	26.2	26.1	25.8	25.5	25.1	24.7	24.2	23.6	22.9	22.1	21.3	20.5	19.2	18.0	16.9	15.8	14.8	13.9
90	17.9	17.9	17.9	17.8	17.8	17.7	17.5	17.2	17.0	16.7	16.5	16.2	15.8	15.4	15.0	14.6	14.3	13.9

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: