

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	1838.6 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	60.7V x 60.9H
	At 50% of Imax	44.4V x 44.8H
	At 90% of Imax	20.4V x 26.8H

Beam Flux	Total	1000.3 lumens per klm.
	To 10% of Imax	866.7 lumens per klm.
	To 50% of Imax	680.7 lumens per klm.
	To 90% of Imax	224.8 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

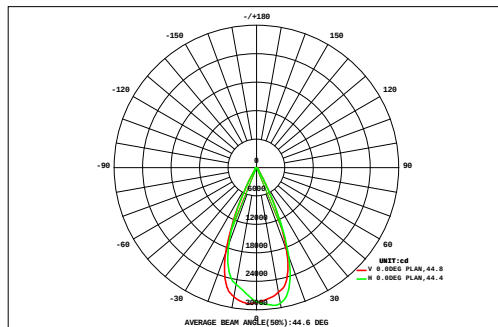
Luminaire Efficiency(Light Output Ratio)	100.0 %
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C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:DAMIN
Test Date:2018-08-06

g Range: 0 - 90DEG
g Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:8.230m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.16V I:0.4352A P:98.220W PF:0.9806 Freq:49.99Hz Lamp Flux:15956.1x1 lm		
NAME: 100W-5050-40	TYPE:	WEIGHT:
SPEC.:100W	DIM.: 300X150	SERIAL No.:
MFR.: Lanyeeh	SUR.:.3X.15	Shielding Angle:



DATA OF LAMP		Eff:162.45lm/W	
MODEL	5050	Imax(cd)	29337
NOMINAL POWER(W)	100	AVAILABILITY(%)	86.8
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	13844
NOMINAL FLUX(lm)	15956.1	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	15956
TEST VOLTAGE(V)	230	q @50%(H, V)	45,44DEG

90 80 70 60 50 40 30 -30 -40 -50 -60 -70 -80 -90	AREA FLUX DIAGRAM																UNIT:lm			F t	F a
	0.19	0.64	1.20	1.83	2.44	3.01	3.50	3.92	4.21	4.19	3.87	3.43	2.91	2.34	1.74	1.14	0.60	0.17	41.3	0.00	
	0.21	0.79	1.68	2.70	3.69	4.70	5.61	6.25	6.57	6.54	6.15	5.48	4.55	3.51	2.52	1.55	0.73	0.19	63.4	0.00	
	0.23	0.97	2.10	3.43	5.05	6.78	8.30	9.32	9.84	9.82	9.26	8.15	6.59	4.87	3.25	1.90	0.87	0.21	90.9	0.00	
	0.25	1.13	2.49	4.36	6.67	9.02	11.0	12.2	12.9	12.8	12.2	10.9	8.97	6.56	4.21	2.27	0.99	0.22	119	0.00	
	0.26	1.26	2.94	5.38	8.25	10.8	12.7	14.8	16.3	16.3	15.1	13.1	10.8	8.18	5.17	2.67	1.09	0.23	145	0.00	
	0.28	1.38	3.38	6.36	9.38	12.3	16.6	23.3	34.6	35.4	24.5	16.9	12.7	9.39	5.95	3.02	1.18	0.24	217	0.00	
	0.29	1.49	3.77	7.12	10.3	15.2	34.3	140	272	273	145	37.4	15.4	9.98	6.43	3.28	1.26	0.25	978	800	
	0.30	1.56	4.07	7.63	11.4	20.8	129	458	649	652	461	136	20.6	10.3	6.56	3.43	1.30	0.26	2573	2447	
	0.30	1.60	4.24	7.91	12.3	30.4	252	660	798	806	673	260	29.4	10.3	6.42	3.45	1.31	0.26	3556	3445	
	0.30	1.58	4.18	7.78	12.1	30.7	255	684	853	872	709	263	28.6	9.99	6.29	3.40	1.30	0.25	3742	3631	
	0.30	1.53	3.91	7.24	10.8	21.0	133	485	737	749	502	134	19.0	9.44	6.18	3.29	1.27	0.25	2824	2702	
	0.29	1.43	3.53	6.50	9.36	14.2	36.3	142	288	288	138	33.7	13.3	8.76	5.85	3.07	1.21	0.25	993	819	
	0.27	1.32	3.09	5.59	8.09	11.1	15.7	24.3	36.1	35.1	22.6	14.7	10.9	8.08	5.24	2.76	1.13	0.24	206	0.00	
	0.26	1.20	2.64	4.59	6.95	9.50	11.7	13.8	15.2	15.1	13.5	11.6	9.48	6.97	4.45	2.41	1.03	0.23	131	0.00	
	0.24	1.06	2.23	3.67	5.57	7.64	9.60	11.0	11.8	11.7	10.9	9.58	7.71	5.58	3.60	2.05	0.92	0.22	105	0.00	
	0.22	0.91	1.88	2.95	4.24	5.65	6.93	7.88	8.42	8.44	7.93	6.95	5.59	4.16	2.83	1.70	0.81	0.20	77.7	0.00	
	0.20	0.75	1.52	2.36	3.22	4.06	4.81	5.35	5.64	5.62	5.27	4.69	3.92	3.06	2.19	1.39	0.69	0.19	54.9	0.00	
	0.19	0.62	1.14	1.70	2.28	2.82	3.29	3.67	3.93	3.91	3.62	3.21	2.72	2.19	1.63	1.08	0.58	0.17	38.8	0.00	
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)				20	30	40	50	60	70	80	90	
F t	4.58	21.2	50.0	89.1	132	220	949	2704	3763	3804	2762	973	213	124	80.5	43.8	18.3	4.03	15956	---	
F a	0.00	0.00	0.00	0.00	0.00	0.00	736	2528	3593	3635	2586	766	0.00	0.00	0.00	0.00	0.00	0.00	---	13844	

one-half-peak spread: U:14.8,D:21.8 , L:25.4,R:19.6

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

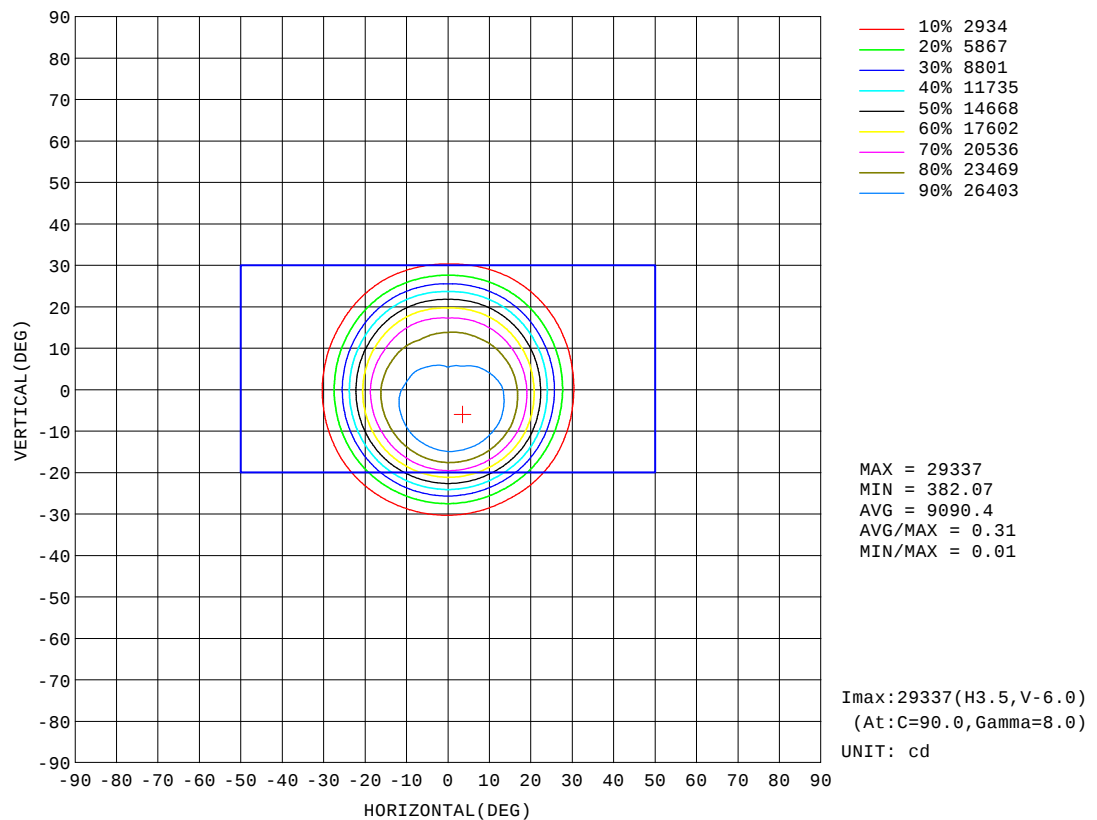
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Range: 0 - 90DEG
Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:8.230m [K=1.0000]
Remarks:

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ISOCANDELA DIAGRAM

Test:U:230.16V I:0.4352A P:98.220W PF:0.9806 Freq:49.99Hz Lamp Flux:15956.1x1 lm		
NAME: 100W-5050-40	TYPE:	WEIGHT:
SPEC.:100W	DIM.: 300X150	SERIAL No.:
MFR.: Lanyeeh	SUR.:.3X.15	Shielding Angle:

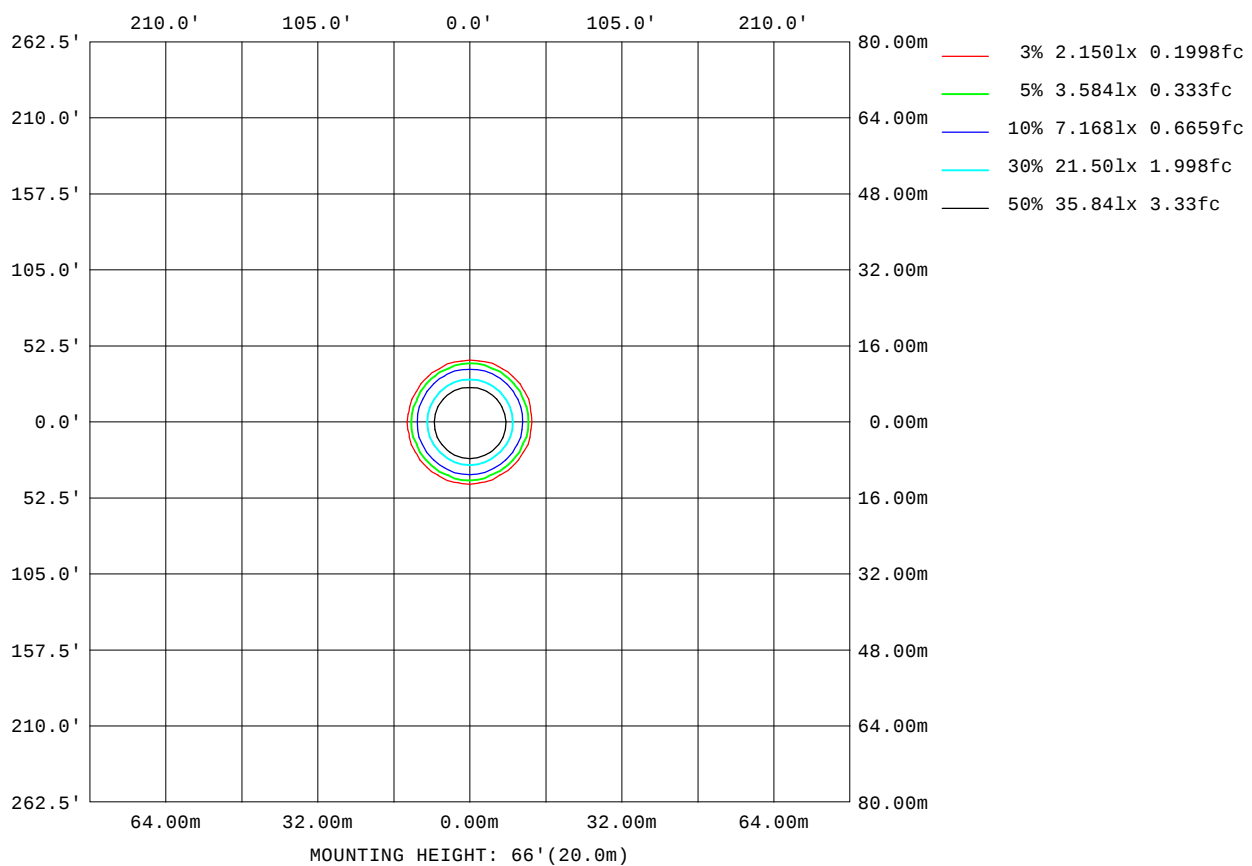


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Test Speed: HIGH
Temperature:30DEG
Operators:DAMIN
Test Date:2018-08-06

Range: 0 - 90DEG
Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:8.230m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

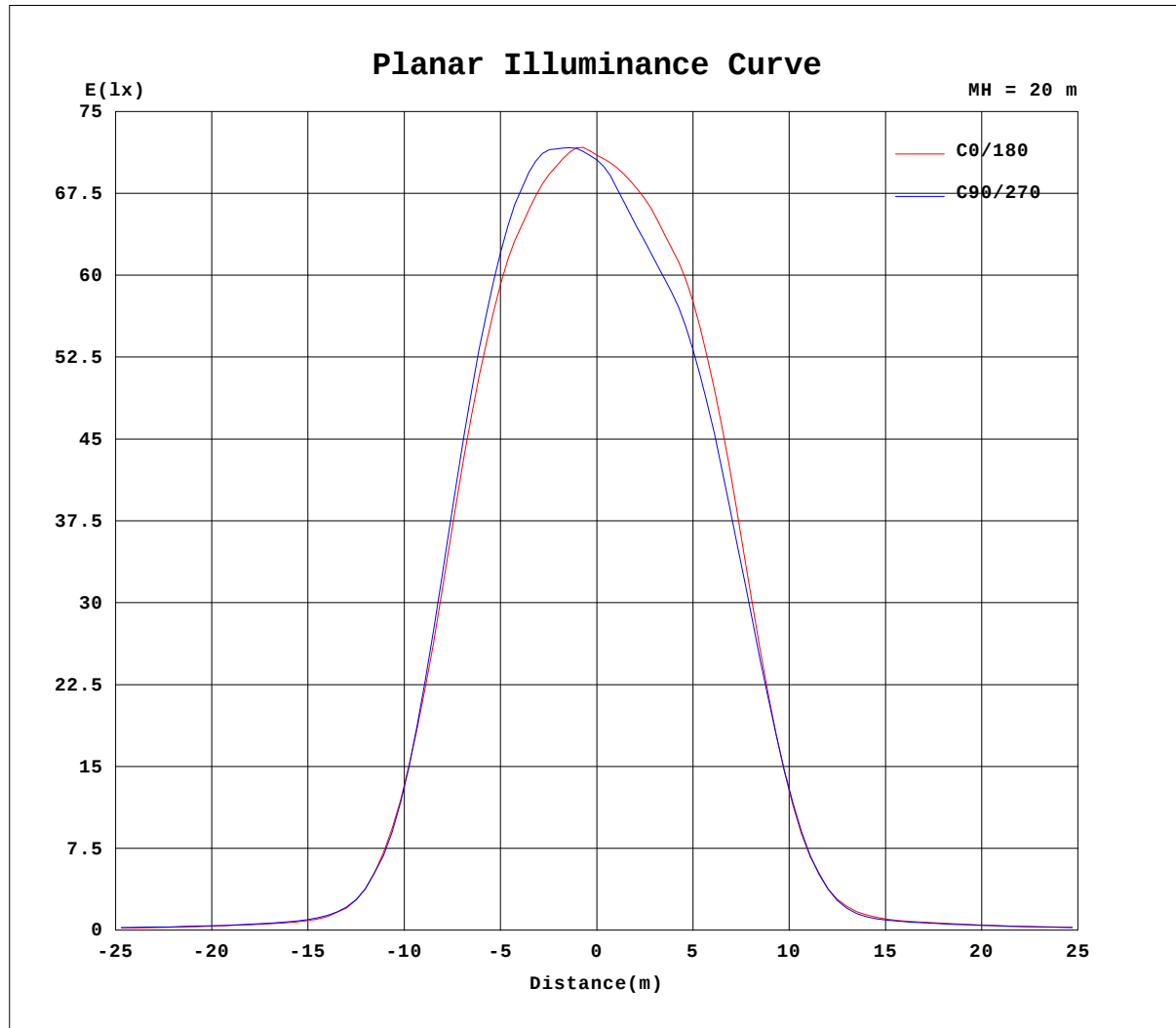
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SPEC.:100W	DIM.: 300X150	SERIAL No.:
MFR.: Lanyeeh	SUR.:.3X.15	Shielding Angle:



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 G0-2000B_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:8.230m [K=1.0000]
 Remarks:

Planar Illuminance Curve



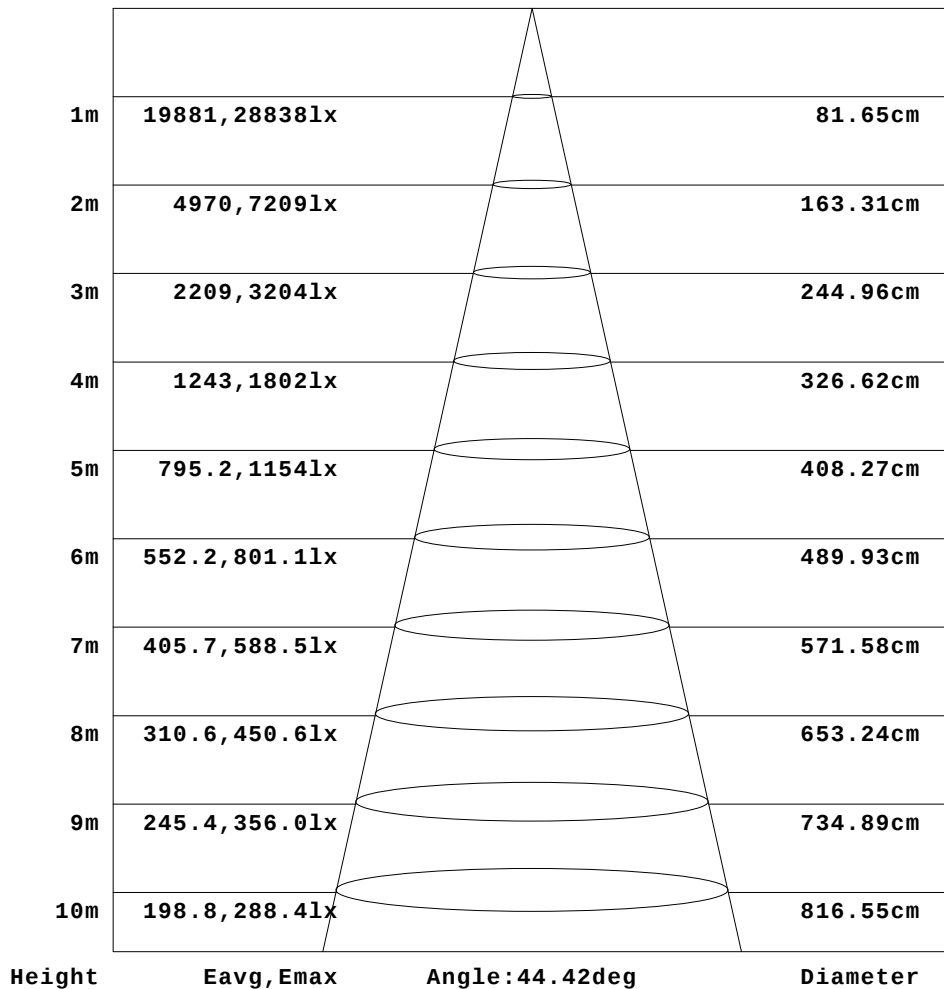
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 30DEG
Operators: DAMIN
Test Date: 2018-08-06

Range: 0 - 90DEG
Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.402
Humidity: 65.0%
Test Distance: 8.230m [K=1.0000]
Remarks:

AAI Figure

Test:U:230.16V I:0.4352A P:98.220W PF:0.9806 Freq:49.99Hz Lamp Flux:15956.1x1 lm		
NAME: 100W-5050-40	TYPE:	WEIGHT:
SPEC.:100W	DIM.: 300X150	SERIAL No.:
MFR.: Lanyeeh	SUR.:.3X.15	Shielding Angle:

Flux out:11254 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

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.402
 Humidity: 65.0%
 Test Distance: 8.230m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.16V I:0.4352A P:98.220W PF:0.9806 Freq:49.99Hz Lamp Flux:15956.1x1 lm																	
NAME: 100W-5050-40									TYPE:						WEIGHT:		
SPEC.:100W									DIM.: 300X150						SERIAL No.:		
MFR.: Lanyeeh									SUR.:.3X.15						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	6.49	6.72	6.95	7.18	7.42	7.65	7.88	8.16	8.44	8.72	9.00	9.28	9.56	9.75	9.94	10.1	10.3	10.5	10.7
-85	6.49	6.93	7.37	7.84	8.31	8.78	9.23	9.68	10.1	10.5	10.9	11.2	11.5	11.9	12.2	12.5	12.8	13.0	13.3
-80	6.49	7.13	7.87	8.62	9.36	10.1	11.0	11.6	12.3	12.8	13.3	13.7	14.0	14.4	14.8	15.1	15.3	15.5	15.6
-75	6.49	7.38	8.39	9.42	10.6	11.7	12.9	13.6	14.3	14.9	15.6	16.3	16.9	17.4	17.8	18.1	18.3	18.5	18.6
-70	6.49	7.63	8.92	10.3	11.9	13.3	14.2	15.1	16.1	17.1	18.1	19.1	20.1	20.9	21.5	22.0	22.3	22.5	22.5
-65	6.49	7.87	9.46	11.3	13.2	14.6	15.6	16.8	18.1	19.6	21.1	22.7	24.0	25.0	26.0	26.8	27.4	27.8	28.0
-60	6.49	8.11	10.0	12.4	14.3	15.9	17.2	18.6	20.5	22.6	24.6	26.4	28.1	29.7	31.0	32.1	33.0	33.5	33.8
-55	6.49	8.33	10.6	13.3	15.4	17.3	19.0	20.7	23.3	25.8	28.3	30.6	32.9	35.1	36.7	37.8	38.6	39.1	39.2
-50	6.49	8.55	11.2	14.2	16.5	18.8	21.0	23.4	26.1	29.2	32.1	34.9	37.5	39.5	40.7	41.8	42.8	43.5	43.9
-45	6.49	8.75	11.8	14.9	17.6	20.3	23.3	26.2	29.0	32.4	35.4	38.2	40.5	42.2	43.9	45.7	47.7	49.3	50.1
-40	6.49	8.93	12.4	15.7	18.8	22.0	25.6	29.1	32.1	34.9	38.1	40.9	43.4	46.3	51.1	55.6	59.1	61.5	62.2
-35	6.49	9.10	12.9	16.4	19.9	23.8	27.9	32.1	35.1	37.1	40.6	43.9	48.7	55.6	64.2	74.2	85.5	96.8	101
-30	6.49	9.26	13.3	17.1	21.0	25.5	30.3	34.9	37.9	40.3	43.2	48.6	57.0	70.5	94.6	143	216	291	325
-25	6.49	9.40	13.7	17.7	22.1	27.1	32.6	37.6	40.5	43.2	47.2	54.8	70.1	107	209	413	683	917	1008
-20	6.49	9.50	14.0	18.3	23.0	28.6	34.7	39.8	42.8	45.9	53.1	63.7	95.2	208	513	1018	1518	1854	1984
-15	6.49	9.58	14.3	18.8	23.9	29.9	36.6	41.7	44.7	49.1	58.4	75.4	143	409	1006	1719	2235	2520	2640
-10	6.49	9.63	14.5	19.1	24.6	31.1	38.3	43.4	46.4	52.7	63.0	88.3	215	675	1479	2184	2605	2809	2908
-5	6.49	9.66	14.6	19.4	25.1	32.0	39.6	44.8	47.8	55.9	66.8	99.8	291	888	1769	2409	2709	2840	2899
0	6.49	9.65	14.7	19.6	25.4	32.6	40.6	46.0	49.0	58.0	69.1	104	323	961	1859	2455	2670	2778	2841
5	6.49	9.67	14.7	19.5	25.3	32.4	40.2	45.5	48.6	56.7	67.7	98.3	284	881	1734	2321	2563	2657	2655
10	6.49	9.67	14.6	19.4	25.1	31.9	39.5	44.9	48.1	54.5	65.1	86.5	207	668	1431	2056	2374	2464	2500
15	6.49	9.63	14.5	19.1	24.6	31.1	38.4	43.9	47.2	51.8	61.7	75.4	136	393	984	1621	2042	2221	2261
20	6.49	9.57	14.3	18.8	24.0	30.1	36.9	42.7	46.2	49.5	57.0	66.9	89.3	194	511	1001	1423	1658	1714
25	6.49	9.47	14.0	18.3	23.2	28.9	35.2	41.2	44.7	47.6	52.0	60.6	70.8	96.8	198	415	693	895	959
30	6.49	9.35	13.7	17.7	22.2	27.5	33.2	39.1	42.8	45.8	48.7	53.6	62.1	70.2	85.6	130	210	288	316
35	6.49	9.20	13.3	17.1	21.2	25.9	31.1	36.4	40.8	43.5	46.2	48.8	53.2	60.7	66.1	71.6	79.1	88.1	91.8
40	6.49	9.03	12.8	16.5	20.1	24.2	28.9	33.6	38.1	41.3	44.0	45.8	47.7	50.2	54.8	60.1	62.8	64.5	65.1
45	6.49	8.85	12.2	15.8	18.9	22.5	26.5	30.6	34.8	38.6	41.4	43.5	44.8	45.7	47.1	49.0	51.1	52.8	53.6
50	6.49	8.64	11.6	15.0	17.8	20.8	24.2	27.7	31.3	34.9	38.0	40.5	42.5	43.6	44.1	44.8	45.5	46.2	46.5
55	6.49	8.43	11.0	14.2	16.7	19.1	21.9	24.8	28.0	31.0	33.7	36.2	38.3	40.1	41.4	42.2	42.5	42.6	42.6
60	6.49	8.20	10.4	13.2	15.6	17.6	19.7	22.0	24.6	27.2	29.6	31.7	33.6	35.1	36.2	37.1	37.8	38.1	38.2
65	6.49	7.96	9.76	12.0	14.4	16.3	17.8	19.5	21.4	23.3	25.3	27.3	28.9	30.2	31.0	31.7	32.3	32.6	32.7
70	6.49	7.71	9.17	10.9	13.0	14.9	16.4	17.4	18.6	19.9	21.3	22.6	23.9	25.0	25.7	26.2	26.6	26.7	26.6
75	6.49	7.45	8.60	9.86	11.4	13.0	14.6	15.6	16.4	17.1	18.0	18.8	19.7	20.2	20.7	21.1	21.3	21.5	21.5
80	6.49	7.20	8.05	8.94	9.89	10.9	12.1	13.0	13.7	14.4	14.8	15.3	15.7	16.2	16.7	17.1	17.5	17.7	17.9
85	6.49	6.99	7.51	8.08	8.67	9.27	9.88	10.3	10.8	11.2	11.6	11.9	12.3	12.6	12.9	13.3	13.6	13.9	14.1
90	6.49	6.77	7.05	7.33	7.62	7.90	8.18	8.41	8.63	8.85	9.08	9.30	9.53	9.69	9.85	10.0	10.2	10.3	10.5

C Range: 0 - 360DEG
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SPEC.:100W									DIM.: 300X150						SERIAL No.:		
MFR.: Lanyeeh									SUR.:.3X.15						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
-90	10.5	10.2	10.0	9.77	9.53	9.29	9.01	8.73	8.45	8.17	7.89	7.61	7.32	7.03	6.74	6.45	6.17	5.88
-85	13.0	12.6	12.3	11.9	11.6	11.2	10.9	10.5	10.1	9.74	9.32	8.89	8.39	7.87	7.35	6.84	6.36	5.88
-80	15.4	15.2	14.9	14.5	14.1	13.6	13.1	12.6	12.1	11.5	11.0	10.3	9.52	8.75	8.01	7.28	6.55	5.88
-75	18.4	18.1	17.8	17.3	16.9	16.3	15.7	15.0	14.2	13.3	12.5	11.7	10.8	9.73	8.67	7.70	6.75	5.88
-70	22.4	22.2	21.7	21.2	20.4	19.6	18.6	17.5	16.5	15.3	14.2	13.0	11.9	10.7	9.39	8.11	6.95	5.88
-65	27.9	27.6	27.0	26.2	25.1	23.8	22.3	20.8	19.2	17.7	16.1	14.6	13.1	11.6	10.1	8.54	7.15	5.88
-60	33.6	33.1	32.5	31.6	30.5	28.8	26.7	24.5	22.4	20.2	18.2	16.3	14.4	12.5	10.8	8.99	7.33	5.88
-55	38.9	38.2	37.4	36.3	34.9	33.1	31.1	28.6	25.9	23.1	20.4	18.1	15.8	13.5	11.5	9.43	7.50	5.88
-50	43.5	42.8	41.6	40.1	38.7	37.1	34.8	32.2	29.3	26.1	22.9	19.9	17.2	14.5	12.1	9.83	7.67	5.88
-45	49.0	47.2	45.2	43.6	42.4	40.1	38.1	35.6	32.4	28.9	25.4	21.8	18.6	15.5	12.8	10.2	7.82	5.88
-40	60.2	56.7	52.7	48.6	45.2	43.0	40.8	38.3	35.4	31.6	27.8	23.7	19.9	16.5	13.4	10.6	7.96	5.88
-35	94.5	82.3	69.4	58.7	51.9	46.7	43.2	40.5	37.8	34.1	29.9	25.5	21.2	17.4	13.9	10.9	8.09	5.88
-30	283	201	131	87.0	64.7	53.3	46.4	42.4	39.3	36.2	31.9	27.2	22.4	18.2	14.4	11.2	8.21	5.88
-25	914	674	394	192	96.7	64.4	51.6	44.6	40.3	37.4	33.6	28.6	23.5	18.9	14.9	11.4	8.30	5.88
-20	1875	1544	1023	509	197	85.9	58.6	48.0	41.5	38.2	34.9	29.8	24.4	19.5	15.3	11.6	8.38	5.88
-15	2569	2306	1780	1035	412	133	66.9	51.6	43.0	38.6	35.7	30.8	25.2	20.0	15.6	11.8	8.43	5.88
-10	2867	2692	2290	1540	693	211	77.5	54.3	44.4	38.8	36.1	31.6	25.7	20.4	15.8	11.9	8.46	5.88
-5	2913	2804	2501	1829	918	291	88.7	56.2	45.7	38.8	36.2	32.0	26.0	20.6	15.9	11.9	8.47	5.88
0	2862	2765	2516	1901	994	324	92.9	56.7	46.2	38.5	36.1	32.2	26.1	20.6	15.9	11.9	8.45	5.88
5	2664	2604	2372	1762	910	296	90.6	58.0	47.2	39.8	37.0	32.6	26.4	20.8	16.0	12.0	8.48	5.88
10	2496	2406	2090	1451	695	222	81.3	57.8	47.3	40.8	37.5	32.7	26.5	20.8	16.0	12.0	8.49	5.88
15	2223	2044	1625	1004	436	144	72.7	56.8	47.0	41.4	37.8	32.5	26.2	20.7	15.9	11.9	8.48	5.88
20	1655	1423	1007	542	220	94.0	66.3	54.9	46.3	41.7	37.6	31.9	25.8	20.4	15.7	11.8	8.44	5.88
25	895	699	443	220	106	72.8	60.7	52.4	45.8	41.6	36.9	31.1	25.1	19.9	15.4	11.7	8.38	5.88
30	295	222	142	94.1	72.5	62.0	55.2	50.0	45.1	40.9	35.6	29.9	24.2	19.3	15.0	11.5	8.29	5.88
35	91.0	83.6	74.9	66.6	60.2	54.9	50.5	47.0	44.2	39.3	34.0	28.3	23.1	18.5	14.5	11.3	8.18	5.88
40	64.5	62.5	59.6	55.9	52.5	49.6	46.7	44.4	41.3	37.0	31.9	26.6	21.9	17.6	14.0	11.0	8.05	5.88
45	53.3	52.2	50.7	49.4	47.4	45.3	43.6	41.3	38.1	34.4	29.4	24.7	20.5	16.6	13.5	10.6	7.91	5.88
50	46.5	46.1	45.4	44.4	43.2	42.0	40.1	37.6	34.6	30.8	26.7	22.7	18.9	15.6	12.9	10.2	7.76	5.88
55	42.5	42.2	41.6	40.8	39.7	38.2	36.2	33.6	30.4	27.2	24.1	20.6	17.3	14.6	12.3	9.80	7.58	5.88
60	38.1	37.8	37.3	36.5	35.3	33.5	31.3	28.9	26.4	23.8	21.2	18.4	15.9	13.8	11.6	9.33	7.41	5.88
65	32.5	32.2	31.5	30.6	29.5	28.1	26.3	24.5	22.5	20.5	18.5	16.4	14.6	12.9	10.8	8.83	7.21	5.88
70	26.5	26.2	25.7	25.0	24.2	23.1	21.9	20.5	19.1	17.6	16.2	15.0	13.5	11.8	9.96	8.34	7.01	5.88
75	21.4	21.1	20.8	20.3	19.8	19.1	18.2	17.2	16.3	15.4	14.5	13.5	12.0	10.5	9.08	7.87	6.80	5.88
80	17.7	17.4	17.0	16.5	16.0	15.4	14.8	14.2	13.6	13.0	12.3	11.5	10.3	9.23	8.27	7.40	6.59	5.88
85	13.8	13.5	13.1	12.7	12.3	11.9	11.5	11.2	10.8	10.3	9.88	9.40	8.75	8.12	7.51	6.93	6.39	5.88
90	10.3	10.1	9.88	9.68	9.47	9.27	9.02	8.76	8.51	8.26	8.01	7.75	7.44	7.13	6.81	6.50	6.19	5.88

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 G0-2000B_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:8.230m [K=1.0000]
Remarks: