

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

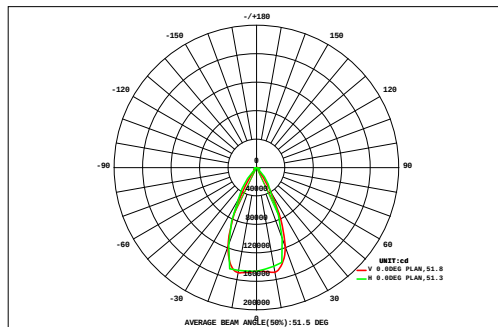
Maximum Intensity (Luminaire orientation as tested.)		1306.6 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of Imax At 50% of Imax At 90% of Imax	82.2V x 69.5H 51.3V x 51.8H 33.8V x 35.1H
Beam Flux	Total To 10% of Imax To 50% of Imax To 90% of Imax	996.6 lumens per klm. 856.1 lumens per klm. 635.2 lumens per klm. 285.9 lumens per klm.
	Upward LOR Downward LOR	0.0 % 99.7 %
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:2018-08-12

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
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:220.44V I:3.2812A P:713.99W PF:0.9871 Freq:50.37Hz Lamp Flux:114869x1 lm		
NAME: 720W-5050-60	TYPE:	WEIGHT:
SPEC.: 0.4x0.6	DIM.: 0.4x0.6	SERIAL No.:
MFR.: Lanyeeh	SUR.: 0.6x0.4	Shielding Angle:



DATA OF LAMP		Eff:160.88lm/W	
MODEL	5050	Imax(cd)	150086
NOMINAL POWER(W)	720	AVAILABILITY(%)	86.2
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	98963
NOMINAL FLUX(lm)	114869	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	114869
TEST VOLTAGE(V)	230	q @50%(H,V)	52,51DEG

		AREA FLUX DIAGRAM																UNIT:lm				F t	F a
		0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.04	0.04	0.04	0.03	0.02	0.02	0.02	0.01	0.01	0.00	0.28	0.00		
VERTICAL (DEG)	90	0.72	3.61	10.9	30.4	47.6	55.4	61.2	54.0	73.5	86.8	54.0	58.8	50.1	48.7	30.6	13.1	3.51	0.71	684	0.00		
	80	1.16	6.66	24.4	58.8	64.2	68.8	78.8	81.0	95.1	99.1	81.6	80.2	69.0	64.3	58.8	32.6	6.56	1.22	972	0.00		
	70	1.39	7.99	29.4	63.4	62.4	70.5	83.0	95.4	100	100	97.5	87.5	75.3	65.4	66.5	39.4	8.21	1.54	1055	0.00		
	60	1.69	8.48	23.9	44.1	61.3	81.5	102	119	130	131	123	109	88.5	67.5	50.2	30.0	9.33	1.94	1182	0.00		
	50	2.03	9.16	24.4	46.0	68.3	94.2	170	527	973	1029	638	228	109	78.4	53.7	30.1	10.4	2.32	4093	2974		
	40	2.35	9.96	26.1	49.3	75.5	126	503	1443	2251	2305	1595	637	170	89.3	58.3	31.1	11.6	2.64	9385	8514		
	30	2.65	11.0	29.9	55.8	83.7	208	1397	3356	4364	4357	3462	1598	294	100	64.8	34.2	12.6	2.84	19434	18738		
		2.84	11.7	32.2	61.4	90.3	323	1893	3810	4435	4428	3898	2063	414	108	71.8	37.3	13.3	2.94	21696	21016		
		2.98	12.2	33.2	63.2	92.6	363	1992	3825	4356	4393	3949	2112	417	109	73.6	38.0	13.5	2.99	21848	21171		
		3.00	12.3	31.4	57.2	86.8	223	1306	3034	4018	4101	3153	1320	217	98.7	65.2	34.6	13.0	2.92	17779	17060		
-30	2.84	12.1	31.2	55.9	83.9	155	596	1446	2092	2101	1438	555	149	90.2	59.8	31.9	12.4	2.71	8914	8008			
-40	2.69	11.8	32.6	56.0	80.6	106	115	320	642	615	302	113	104	82.1	56.1	30.3	11.8	2.50	2684	1434			
-50	2.59	11.3	37.5	58.5	76.8	102	131	158	183	170	138	122	99.4	75.1	56.1	30.9	11.0	2.36	1466	47.0			
-60	2.34	10.2	43.5	78.5	82.3	94.2	110	123	130	129	121	107	91.3	79.8	74.7	36.6	10.3	2.17	1326	0.00			
-70	2.05	8.85	41.5	80.2	82.7	87.1	99.2	103	120	117	101	96.8	85.5	80.6	77.0	34.0	8.87	1.93	1228	0.00			
-80	1.68	6.68	20.9	47.3	75.0	82.7	101	92.2	145	132	90.8	101	83.8	71.0	45.4	17.3	6.26	1.59	1122	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	35.0	154	473	906	1214	2241	8739	18586	24110	24296	19241	9386	2515	1309	963	501	163	35.31	114869	---			
F a	0.00	0.00	0.00	0.00	0.00	585	7457	17428	23107	23302	18200	8073	811	0.00	0.00	0.00	0.00	0.00	---	98963			

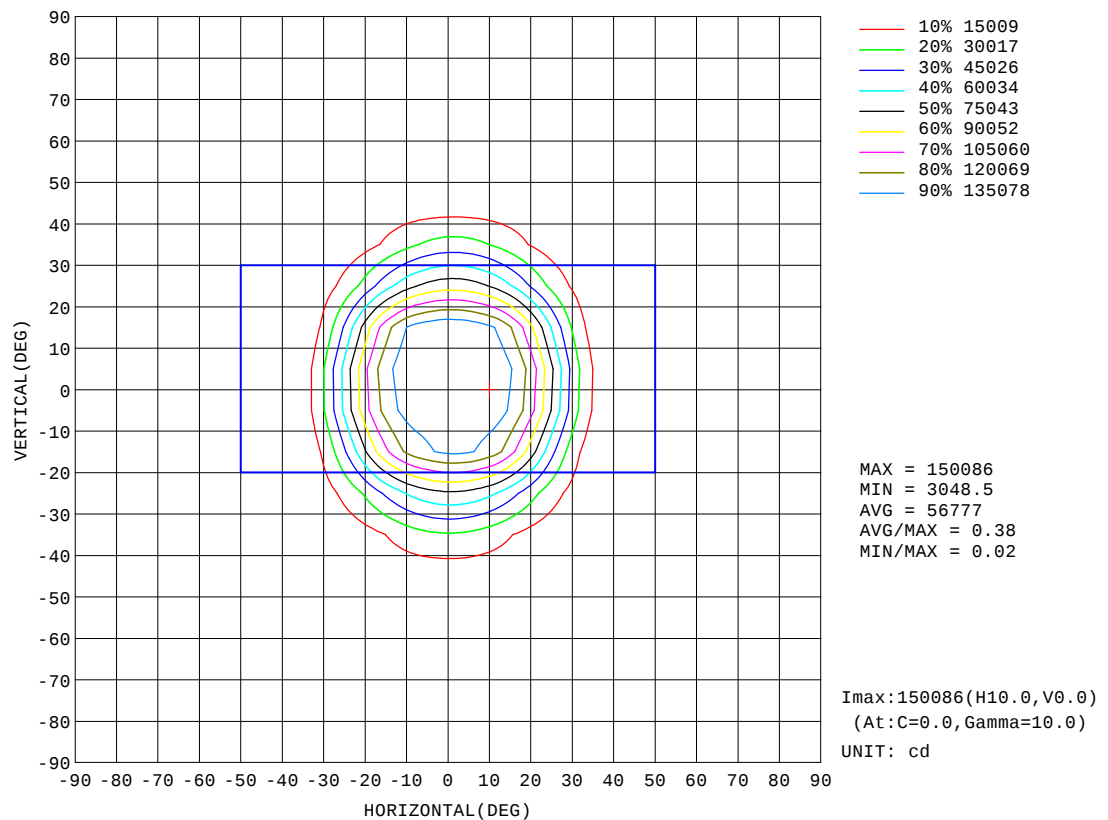
one-half-peak spread: U:40.0,D:11.5 , L:16.1,NEVA.8 Beam Type: Type 4 x 5 (H x V)

H_(b) Range:-90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:DAMIN
Test Date:2018-08-12

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

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SPEC.:0.4x0.6	DIM.: 0.4x0.6	SERIAL No.:
MFR.: Lanyeeh	SUR.:0.6x0.4	Shielding Angle:

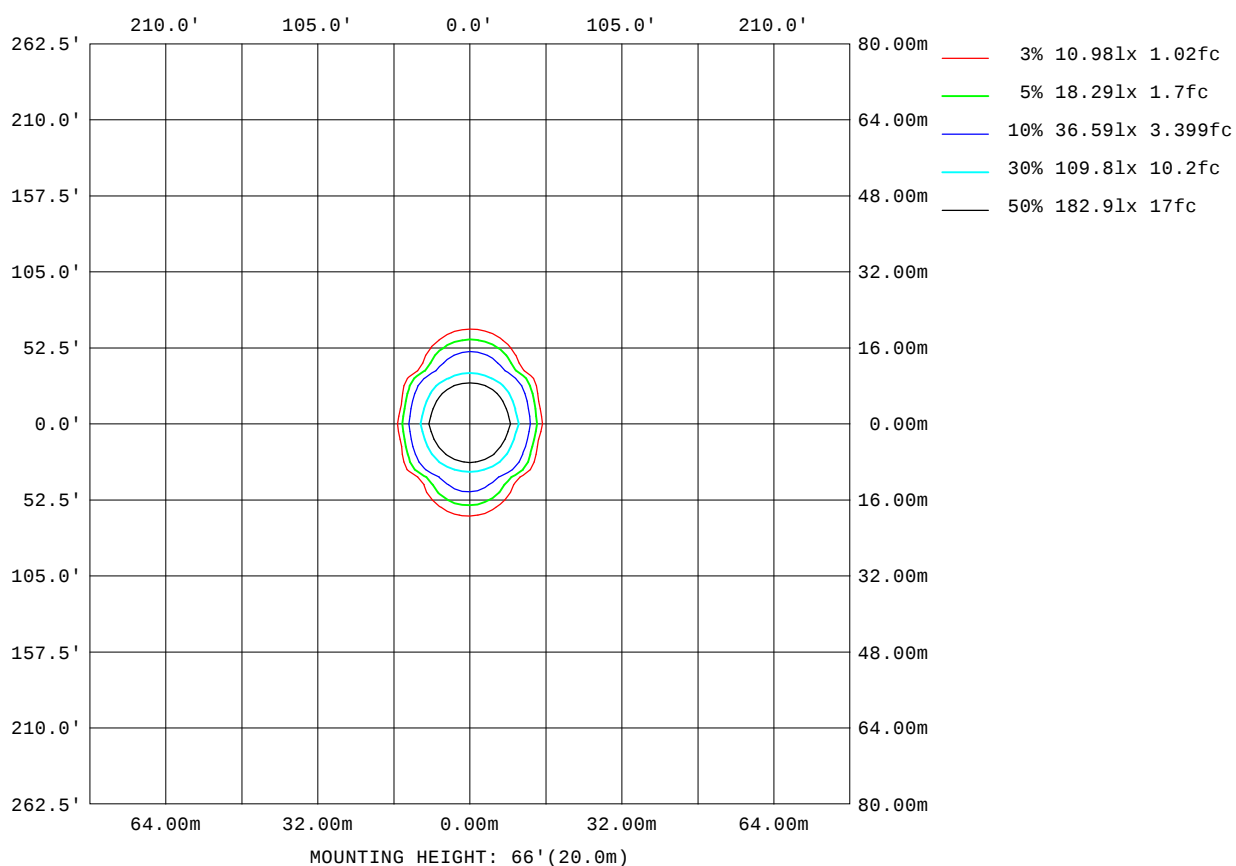


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Test Speed: HIGH
Temperature:30DEG
Operators:DAMIN
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Humidity:65.0%
Test Distance:8.230m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

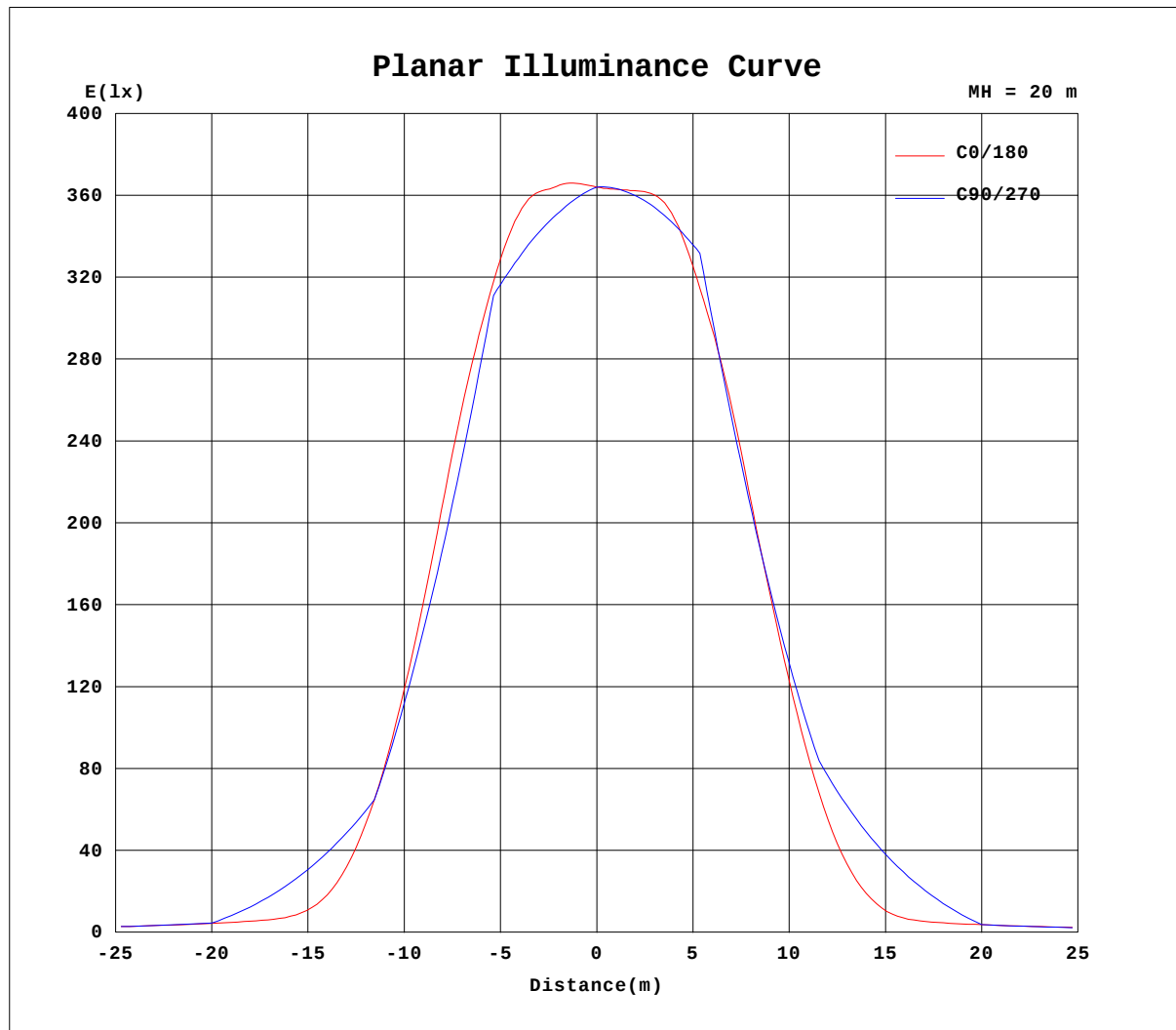
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SPEC.:0.4x0.6	DIM.: 0.4x0.6	SERIAL No.:
MFR.: Lanyeeh	SUR.:0.6x0.4	Shielding Angle:



H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 30DEG
Operators: DAMIN
Test Date: 2018-08-12

V(B) Range: -75 - 75DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.402
Humidity: 65.0%
Test Distance: 8.230m [K=1.0000]
Remarks:

Planar Illuminance Curve



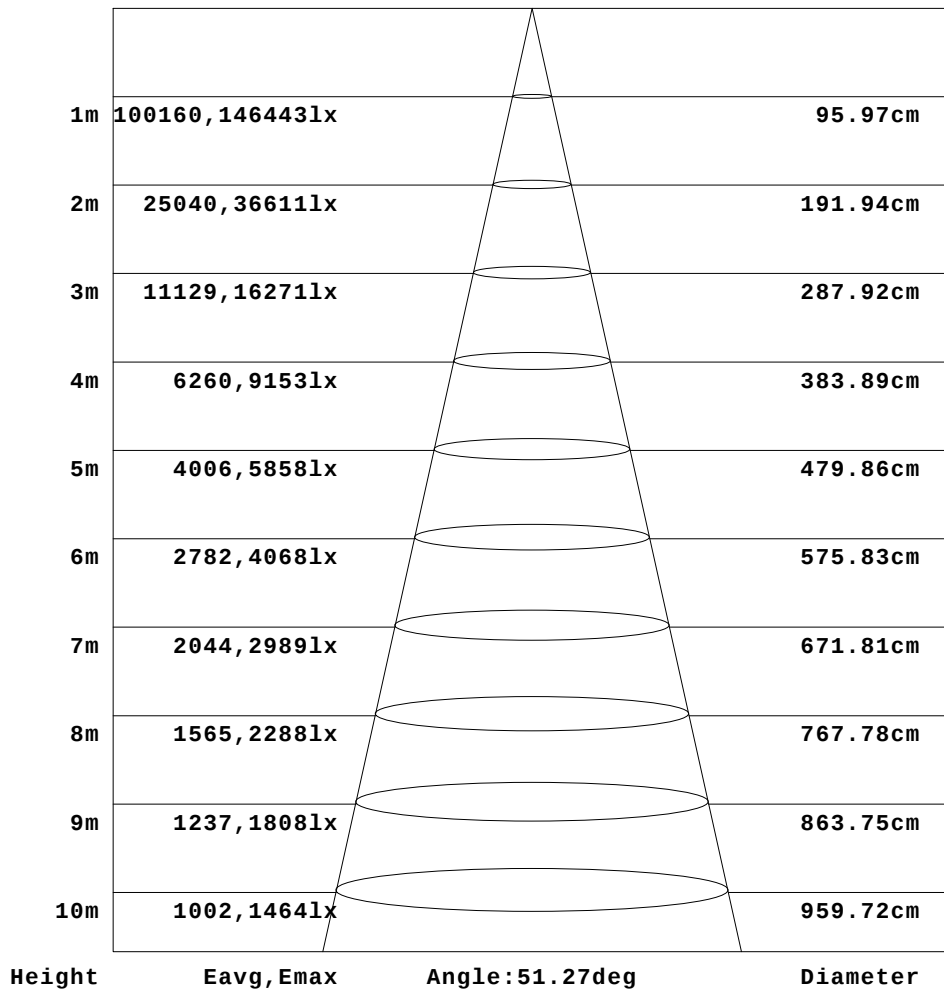
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H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 30DEG
Operators: DAMIN
Test Date: 2018-08-12

V(B) Range: -75 - 75DEG
V(B) Interval: 5.0DEG
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:220.44V I:3.2812A P:713.99W PF:0.9871 Freq:50.37Hz Lamp Flux:114869x1 lm		
NAME: 720W-5050-60	TYPE:	WEIGHT:
SPEC.:0.4x0.6	DIM.: 0.4x0.6	SERIAL No.:
MFR.: Lanyeeh	SUR.:0.6x0.4	Shielding Angle:

Flux out:74853 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: 2018-08-12

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V(B) Interval: 5.0DEG
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:220.44V I:3.2812A P:713.99W PF:0.9871 Freq:50.37Hz Lamp Flux:114869x1 lm																	
NAME: 720W-5050-60									TYPE:						WEIGHT:		
SPEC.:0.4x0.6									DIM.: 0.4x0.6						SERIAL No.:		
MFR.: Lanyeeh									SUR.:0.6x0.4						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	5.23	5.95	6.83	8.01	9.82	14.1	22.0	27.5	29.4	34.3	36.8	31.1	36.6	37.8	32.8	29.5	36.2	48.9	52.4
-70	5.71	6.66	8.09	9.59	12.6	23.0	34.0	35.5	34.1	37.3	35.5	33.0	37.2	36.8	33.8	32.4	38.5	46.7	47.6
-65	5.89	6.93	8.66	10.5	13.4	26.8	42.8	44.0	39.2	37.6	37.0	34.4	36.1	37.0	35.9	34.9	37.3	42.0	43.5
-60	6.38	7.79	10.1	12.1	17.1	37.8	54.9	50.5	42.8	38.8	36.8	35.9	35.9	36.8	37.4	37.6	38.0	38.8	39.0
-55	6.30	7.68	10.4	12.3	15.9	31.7	47.0	45.9	40.5	38.0	37.4	37.5	38.3	39.7	41.1	41.6	42.2	43.0	43.4
-50	6.55	8.42	11.7	13.2	18.4	33.3	41.3	38.8	36.7	36.8	37.8	39.4	41.2	43.3	45.0	45.9	46.7	47.6	47.8
-45	6.46	8.21	11.9	13.3	17.3	29.1	34.6	33.1	33.4	35.3	37.8	40.6	43.3	46.0	48.5	49.9	50.8	51.8	52.2
-40	6.37	8.69	12.8	14.1	19.0	28.9	32.6	32.5	34.1	36.7	39.7	43.0	46.8	55.6	76.5	107	139	162	168
-35	5.92	7.96	12.8	13.9	17.7	25.4	30.3	31.8	34.0	36.9	40.4	44.2	48.4	59.9	93.8	151	216	265	284
-30	5.83	8.62	13.5	14.8	18.8	24.7	28.8	31.8	35.0	38.4	42.5	46.8	52.6	73.7	132	221	315	382	400
-25	5.30	7.82	13.7	14.3	18.1	23.7	28.1	31.6	34.9	38.3	42.7	51.5	93.8	188	324	475	607	690	727
-20	5.26	9.05	14.0	15.0	19.3	24.7	28.9	32.7	36.1	39.8	44.9	64.9	165	350	578	785	941	1022	1056
-15	4.61	7.82	14.4	14.6	18.5	23.8	28.1	32.3	36.0	39.5	44.7	62.4	179	430	738	1021	1225	1327	1381
-10	4.82	9.28	14.1	14.9	19.7	25.2	29.9	34.6	38.0	41.4	47.5	95.6	287	596	928	1177	1333	1383	1408
-5	4.31	7.80	14.1	14.3	18.7	24.6	29.9	35.0	39.0	41.6	46.7	91.8	293	631	989	1250	1399	1424	1430
0	4.51	9.30	13.8	14.6	20.2	26.4	31.9	37.5	40.9	43.4	50.5	139	420	812	1183	1397	1493	1467	1456
5	3.87	7.43	13.6	13.8	18.2	24.2	29.6	34.7	38.8	41.2	46.0	90.5	296	644	1015	1288	1441	1462	1461
10	3.91	8.47	13.0	13.8	18.9	24.5	29.3	34.0	37.6	40.4	46.0	93.5	298	628	986	1255	1417	1457	1467
15	3.28	6.71	12.9	13.1	16.9	22.6	27.2	31.4	35.3	38.2	42.6	58.6	190	470	817	1135	1350	1440	1473
20	3.35	7.45	12.4	12.9	17.0	22.2	26.5	30.5	34.1	37.1	41.5	60.7	173	381	641	878	1048	1127	1153
25	2.82	5.80	12.0	11.9	14.8	20.0	24.3	28.1	31.7	34.7	38.3	46.1	93.0	199	360	538	692	789	834
30	2.85	6.26	11.7	11.7	14.5	19.6	23.6	27.1	30.5	33.5	36.9	40.6	46.2	72.7	150	264	386	479	517
35	2.50	5.02	10.8	11.0	13.2	18.1	23.1	26.0	28.7	31.4	34.3	37.4	41.3	54.6	100	173	256	324	358
40	2.63	5.46	10.6	10.8	13.4	18.9	23.9	26.0	28.0	30.3	32.9	35.5	38.7	48.9	76.2	115	157	188	201
45	2.31	4.37	9.26	10.2	12.1	17.1	23.4	25.2	26.5	28.3	30.4	32.5	34.6	36.6	38.7	40.4	41.6	42.7	43.6
50	2.55	4.74	9.09	10.1	12.4	19.9	28.7	30.2	28.7	28.7	29.7	31.0	32.5	34.0	35.7	36.9	37.7	38.6	39.3
55	2.42	3.90	7.36	9.68	11.4	18.6	31.4	35.6	31.4	28.9	28.4	28.9	29.7	30.8	32.2	33.0	33.5	34.2	35.0
60	2.60	4.08	7.18	9.72	11.8	22.7	38.0	39.6	32.6	28.7	27.3	27.1	27.4	28.1	29.0	29.3	29.6	30.1	30.8
65	2.56	3.53	5.72	8.25	9.93	16.3	29.3	35.1	31.3	28.6	30.6	27.5	26.9	29.0	28.7	27.6	27.5	30.8	33.8
70	2.74	3.64	5.45	7.39	9.29	15.0	25.0	29.7	28.4	28.6	33.6	27.0	27.3	30.1	27.9	25.4	26.4	33.1	37.2
75	2.75	3.25	4.34	5.87	7.70	10.2	17.0	23.8	26.3	27.4	37.0	28.4	26.3	31.1	28.3	24.1	23.6	32.5	40.1
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 - 90DEG
H_(b) Interval: 1.0DEG
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Humidity:65.0%
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Remarks:

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SPEC.:0.4x0.6									DIM.: 0.4x0.6						SERIAL No.:		
MFR.: Lanyeeh									SUR.:0.6x0.4						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	45.3	32.8	29.8	33.9	38.2	34.2	31.7	39.0	31.7	28.7	26.8	20.8	13.4	9.71	7.84	6.65	5.79	5.41
-70	41.1	33.2	32.6	35.4	37.3	33.6	33.5	38.2	33.2	33.4	34.1	28.0	17.0	10.8	9.20	7.36	6.12	5.64
-65	40.6	35.9	34.7	35.8	36.5	34.7	33.9	36.8	35.7	37.7	41.8	39.1	24.9	13.2	11.1	8.85	6.82	6.01
-60	38.0	37.4	37.0	36.6	35.5	35.0	35.1	36.1	38.4	43.5	50.5	45.5	26.5	14.0	12.4	9.15	7.01	6.23
-55	42.7	41.9	41.2	40.5	38.9	37.6	36.7	36.4	36.9	39.2	43.6	42.6	28.5	15.5	13.0	10.7	7.55	6.29
-50	47.0	46.1	45.2	43.8	41.7	39.8	38.1	36.7	35.9	36.3	38.3	35.5	23.8	15.2	13.1	10.5	7.30	6.18
-45	51.7	50.7	49.6	47.8	45.4	42.8	40.1	37.5	35.1	33.1	32.3	31.3	24.3	16.7	13.5	12.3	7.98	6.25
-40	156	130	97.7	69.1	51.5	45.4	42.1	39.1	36.2	33.8	32.2	29.7	22.6	16.4	13.8	11.9	7.30	5.82
-35	268	222	159	100	62.4	49.6	45.4	41.8	38.5	35.5	32.7	29.8	24.1	17.8	14.6	13.4	7.87	5.65
-30	366	290	194	112	64.8	51.8	47.2	43.2	39.4	36.0	32.2	28.2	22.9	17.4	14.7	13.4	6.99	5.15
-25	706	634	511	360	213	111	57.4	46.5	42.1	38.5	34.6	30.3	25.1	19.3	15.4	14.1	8.20	5.10
-20	1025	939	768	545	314	140	59.2	47.9	43.2	39.6	35.3	30.5	25.0	19.0	15.1	13.9	7.33	4.56
-15	1365	1287	1106	826	498	226	76.1	51.6	46.0	42.1	37.8	32.6	27.2	21.1	15.9	14.3	8.97	4.58
-10	1396	1343	1173	900	554	256	87.9	52.8	46.9	43.4	38.7	33.1	27.1	20.4	15.5	14.2	7.69	4.31
-5	1438	1428	1330	1101	745	390	139	58.7	49.8	46.1	41.8	35.7	29.5	22.5	16.4	14.4	9.43	4.69
0	1479	1501	1412	1177	787	400	133	57.9	50.7	47.4	42.6	35.9	29.0	21.6	15.8	14.3	8.06	4.38
5	1467	1458	1366	1137	777	410	147	59.5	50.0	46.0	41.8	35.6	29.4	22.4	16.2	14.2	9.48	4.74
10	1453	1404	1246	971	614	291	99.3	53.8	47.3	43.2	38.5	32.8	26.9	20.2	15.1	13.8	7.87	4.39
15	1452	1377	1214	934	593	287	100	53.8	46.7	42.0	37.6	32.3	26.9	20.8	15.5	13.6	9.14	4.72
20	1123	1039	871	634	380	176	70.3	48.7	43.2	39.0	34.8	30.0	24.8	18.6	14.2	13.0	7.50	4.31
25	817	742	612	438	264	134	65.1	46.8	41.6	37.6	33.9	29.6	24.9	18.8	14.2	12.5	8.37	4.54
30	488	404	286	168	86.7	54.4	46.7	42.4	38.3	34.8	31.3	27.5	22.7	16.8	13.0	12.0	6.96	4.17
35	347	298	221	140	79.1	51.1	43.6	40.0	36.5	33.5	30.8	28.4	24.2	17.1	12.9	11.3	7.34	4.22
40	192	163	123	83.3	55.0	43.0	39.0	36.2	33.4	31.0	29.2	28.1	23.1	15.2	11.7	10.4	5.95	3.75
45	43.5	42.8	42.0	41.2	39.5	37.6	35.7	33.5	31.4	29.5	28.2	28.5	24.9	15.7	11.5	9.90	6.06	3.75
50	39.1	38.4	37.8	37.1	35.8	34.3	32.9	31.6	30.7	30.6	32.3	33.4	25.1	13.7	10.3	8.61	4.98	3.32
55	34.9	34.2	33.7	33.5	32.7	31.5	30.6	30.2	30.3	31.4	35.4	39.1	30.2	14.8	10.0	8.16	4.96	3.26
60	30.4	29.9	29.6	29.6	29.0	28.3	28.2	28.7	30.0	33.5	40.6	43.4	28.9	12.1	8.88	6.60	4.06	2.88
65	33.6	30.3	27.3	27.8	29.1	29.2	27.2	28.4	30.7	29.9	33.8	36.3	26.2	12.1	8.09	6.29	4.02	2.88
70	35.8	29.2	24.8	26.6	29.5	29.3	26.0	29.5	30.4	27.5	29.1	27.0	17.3	8.75	6.60	4.91	3.40	2.67
75	39.5	31.0	22.8	24.3	28.8	30.7	25.3	28.0	32.7	24.8	23.7	20.1	12.9	7.55	5.72	4.30	3.24	2.62
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:2018-08-12

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.402

Humidity:65.0%

Test Distance:8.230m [K=1.0000]

Remarks: