

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

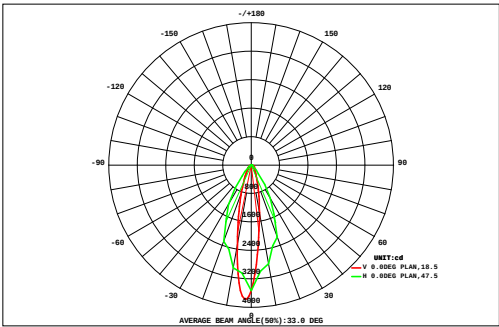
Maximum Intensity (Luminaire orientation as tested.)		2485.8 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of Imax	80.8V x 51.9H
	At 50% of Imax	47.5V x 18.5H
	At 90% of Imax	7.3V x 6.4H
Beam Flux	Total	999.6 lumens per klm.
	To 10% of Imax	746.5 lumens per klm.
	To 50% of Imax	331.2 lumens per klm.
	To 90% of Imax	33.0 lumens per klm.
Upward LOR		0.0 %
Downward LOR		100.0 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-11-06

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.6V I:0.1346A P:17.88W PF:1.000 Freq:50.00Hz Lamp Flux:1514.99x1 lm		
NAME: 8.01.017.0106 15°x55° LWL-WZB-W55-L3-S	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:202411007
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:84.71lm/W	
MODEL	LWL-WZB-W55-L3-S	Imax(cd)	3766
NOMINAL POWER(W)	17	AVAILABILITY(%)	75.3
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	1140
NOMINAL FLUX(lm)	1514.99	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	1515
TEST VOLTAGE(V)	220	θ @50%(H,V)	19,47DEG

		AREA FLUX DIAGRAM															UNIT:lm			Φ t	Φ a
VERTICAL (DEG)	72	0.00	0.00	0.00	0.01	0.03	0.09	0.25	0.39	0.50	0.55	0.51	0.43	0.31	0.19	0.08	0.02	0.01	0.00	3.37	0.00
	64	0.00	0.00	0.03	0.21	0.45	0.70	0.94	1.15	1.29	1.33	1.27	1.14	0.95	0.73	0.50	0.26	0.07	0.00	11.0	0.00
	56	0.00	0.03	0.23	0.54	0.86	1.15	1.43	1.71	1.95	2.06	1.93	1.69	1.42	1.13	0.84	0.53	0.23	0.04	17.8	0.00
	48	0.00	0.12	0.45	0.84	1.24	1.65	2.18	2.92	4.20	5.14	4.04	2.83	2.10	1.57	1.13	0.73	0.38	0.10	31.6	1.57
	40	0.02	0.27	0.65	1.08	1.58	2.30	3.38	5.28	9.73	13.3	8.58	4.70	3.04	2.06	1.38	0.87	0.47	0.15	58.8	28.2
	32	0.05	0.35	0.77	1.29	2.00	3.08	4.88	8.66	20.0	29.0	15.7	7.04	4.13	2.64	1.69	1.03	0.55	0.21	103	75.6
	24	0.08	0.41	0.88	1.49	2.37	3.72	6.35	12.2	29.9	45.1	23.7	9.88	5.32	3.18	1.97	1.17	0.63	0.24	148	123
		0.10	0.44	0.94	1.62	2.61	4.22	7.67	15.9	36.9	56.2	32.1	13.5	6.52	3.59	2.17	1.28	0.68	0.28	187	163
		0.11	0.47	0.99	1.71	2.78	4.56	8.73	19.1	43.8	65.3	37.4	15.9	7.19	3.76	2.25	1.32	0.70	0.28	216	194
		0.13	0.49	1.02	1.77	2.85	4.75	9.35	20.9	48.1	67.1	35.8	15.2	6.80	3.60	2.16	1.27	0.67	0.26	222	200
		0.11	0.46	0.96	1.66	2.69	4.36	7.85	16.3	37.4	52.1	28.8	12.4	6.02	3.32	2.03	1.21	0.64	0.25	179	155
	-24	0.08	0.40	0.86	1.47	2.34	3.65	6.02	11.4	28.3	41.2	21.4	9.20	4.95	2.93	1.82	1.09	0.59	0.23	138	113
-32	0.04	0.32	0.73	1.24	1.93	2.92	4.52	7.76	17.4	25.2	14.1	6.49	3.82	2.42	1.55	0.96	0.53	0.20	92.1	64.3	
-40	0.02	0.23	0.60	1.03	1.54	2.22	3.19	4.89	8.84	11.0	7.05	4.08	2.70	1.84	1.24	0.80	0.44	0.15	51.8	21.6	
-48	0.00	0.13	0.46	0.83	1.20	1.60	2.07	2.67	3.13	2.89	2.65	2.27	1.75	1.30	0.94	0.62	0.32	0.08	24.9	0.00	
-56	0.00	0.02	0.22	0.55	0.90	1.17	1.35	1.45	1.41	1.39	1.47	1.38	1.20	0.99	0.75	0.47	0.20	0.03	14.9	0.00	
-64	0.00	0.00	0.02	0.15	0.38	0.64	0.90	1.12	1.27	1.33	1.26	1.12	0.91	0.68	0.44	0.22	0.06	0.01	10.5	0.00	
-72	0.00	0.00	0.00	0.02	0.07	0.14	0.26	0.40	0.51	0.56	0.52	0.45	0.34	0.22	0.11	0.05	0.01	0.00	3.65	0.00	
	-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL(DEG)					16	24	32	40	48	56	64	72
Φ t	0.73	4.15	9.82	17.5	27.8	42.9	71.3	134	294	421	238	110	59.5	36.2	23.0	13.9	7.17	2.51	1514	---	
Φ a	0.00	0.00	0.00	0.00	0.00	0.21	31.1	109	277	407	218	81.9	16.8	0.00	0.00	0.00	0.00	0.00	---	1140	

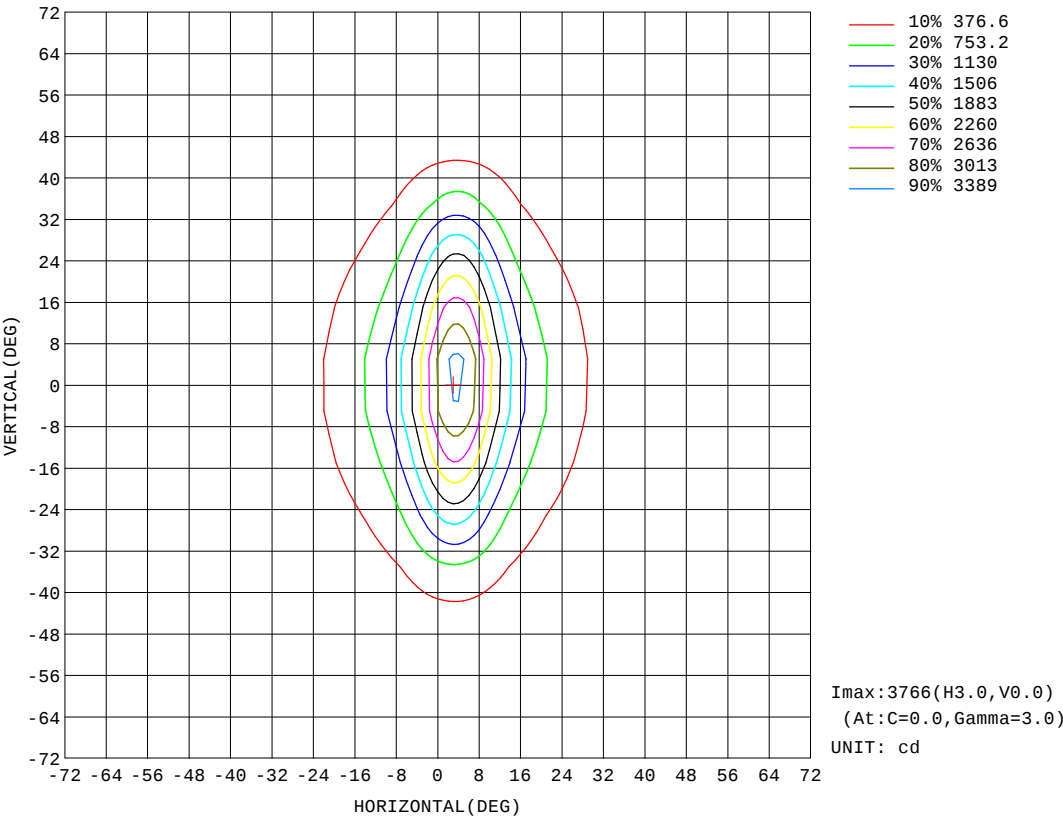
one-half-peak spread: U:23.4,D:24.4 , L:9.9,R:9.9 Beam Type: Type 4 x 5 (H x V)

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-11-06

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.354
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.6V I:0.1346A P:17.88W PF:1.000 Freq:50.00Hz Lamp Flux:1514.99x1 lm		
NAME: 8.01.017.0106 15°x55° LWW-WZB-W55-L3-S	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:202411007
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:

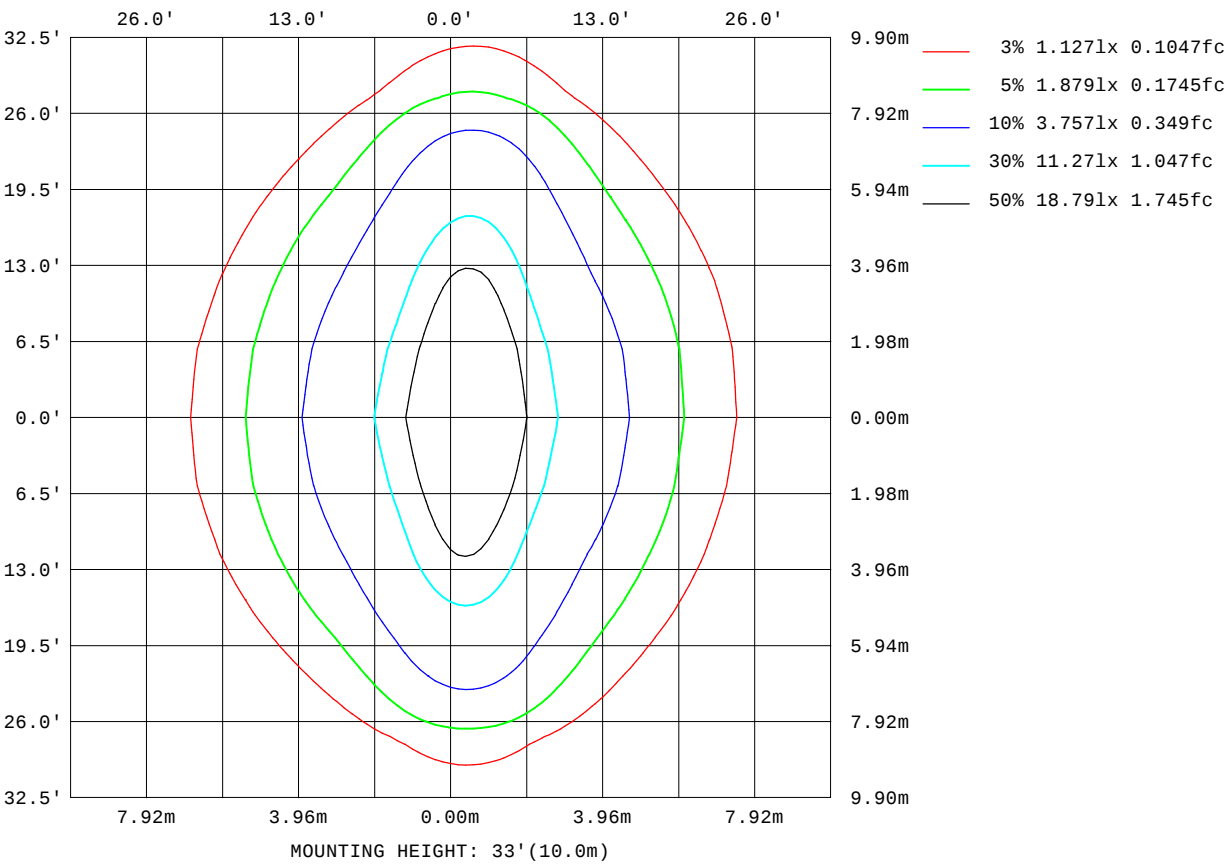


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V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

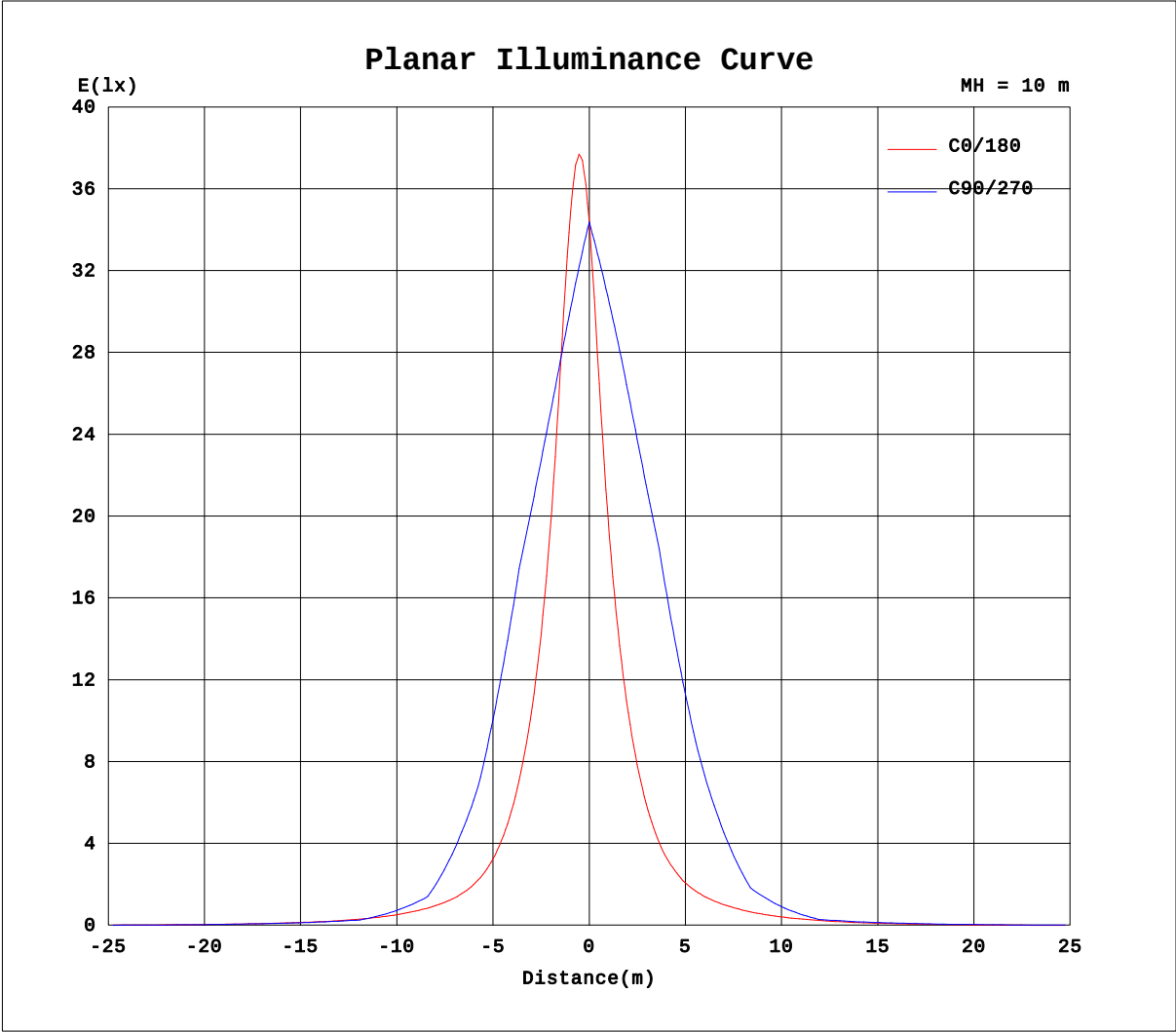
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Test Date:2024-11-06

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V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

Planar Illuminance Curve

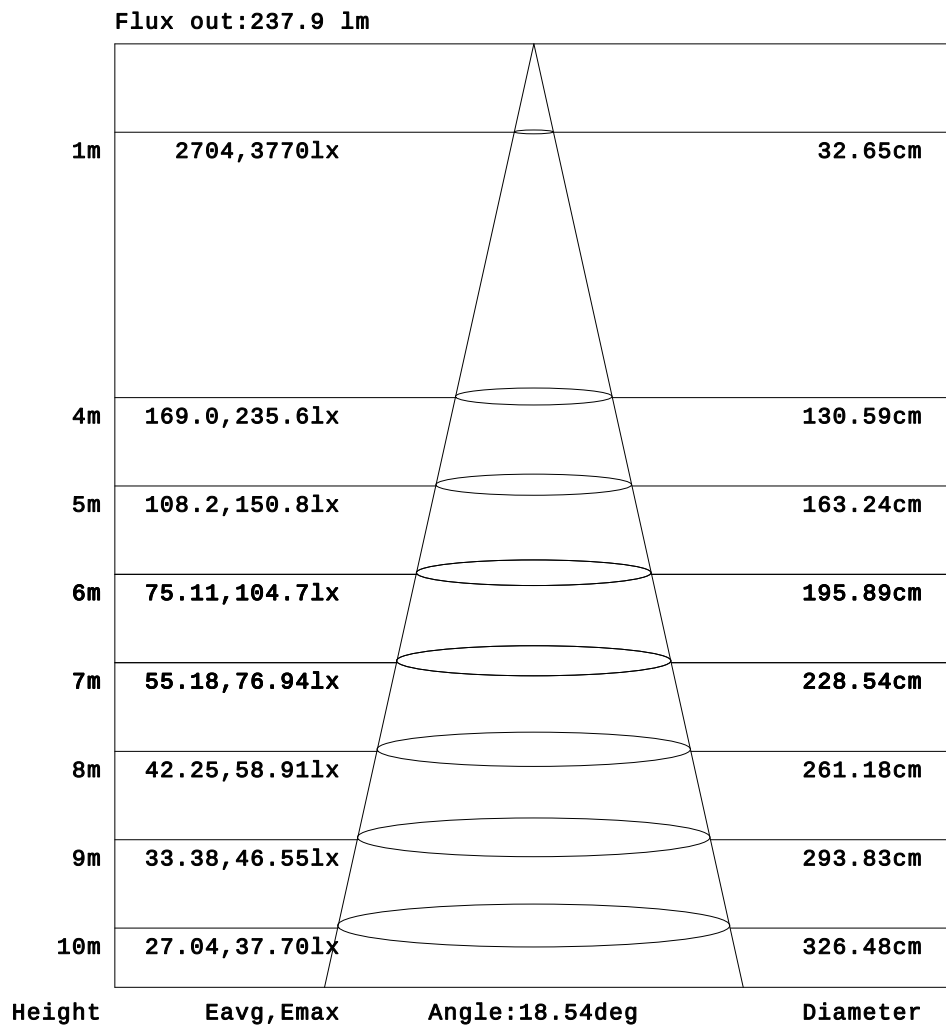


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Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
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Remarks:

AAI Figure

Test:U:220.6V I:0.1346A P:17.88W PF:1.000 Freq:50.00Hz Lamp Flux:1514.99x1 lm		
NAME: 8.01.017.0106 15°x55° LWW-WZB-W55-L3-S	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:202411007
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:



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

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-11-06

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.6V I:0.1346A P:17.88W PF:1.000 Freq:50.00Hz Lamp Flux:1514.99x1 lm		
NAME: 8.01.017.0106 15°x55° LWW-WZB-W55-L3-S	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:202411007
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:

Table--1

UNIT: cd

H(°)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
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	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	0.37	2.36	4.22	5.91	7.33	8.36
-70	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	1.54	5.47	9.16	12.4	15.1	17.0
-65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	4.16	8.31	12.5	16.7	21.0	26.5	31.6	36.1	39.6	42.2
-60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.84	9.98	18.3	26.7	35.1	42.8	49.7	55.9	61.3	65.3	67.9
-55	0.00	0.00	0.00	0.00	0.00	0.00	0.09	5.86	13.1	24.2	34.7	44.2	52.5	59.5	65.7	71.5	76.9	81.3	84.5
-50	0.00	0.00	0.00	0.00	0.00	0.00	1.56	14.5	28.6	42.7	55.1	65.2	73.0	78.9	84.1	89.3	94.3	98.9	102
-45	0.00	0.00	0.00	0.00	0.00	0.29	8.06	22.5	37.6	51.5	63.9	74.9	85.6	96.8	109	125	146	176	207
-40	0.00	0.00	0.00	0.00	0.00	2.68	19.4	36.7	52.3	65.5	77.2	88.9	103	119	140	168	208	267	319
-35	0.00	0.00	0.00	0.00	0.00	5.26	22.6	40.3	56.6	71.5	86.1	102	122	147	180	225	304	460	664
-30	0.00	0.00	0.00	0.00	0.00	13.8	33.0	50.6	67.0	83.3	101	123	150	187	234	307	447	736	1064
-25	0.00	0.00	0.00	0.00	0.30	14.6	34.2	52.7	70.7	89.1	110	135	166	210	271	367	547	943	1525
-20	0.00	0.00	0.00	0.00	3.12	23.3	43.0	62.1	81.5	103	128	158	198	254	341	481	760	1379	2153
-15	0.00	0.00	0.00	0.00	1.65	21.3	41.6	61.6	82.0	104	130	163	205	266	366	534	837	1447	2349
-10	0.00	0.00	0.00	0.00	6.77	27.7	48.3	69.2	90.8	115	145	183	232	311	445	679	1095	1861	2817
-5	0.00	0.00	0.00	0.00	3.66	24.6	45.5	66.6	88.5	113	142	178	226	303	440	684	1106	1859	2993
0	0.00	0.00	0.00	0.00	8.76	29.9	51.0	72.7	95.1	121	152	190	244	340	511	823	1352	2276	3532
5	0.00	0.00	0.00	0.00	3.85	24.7	45.7	66.9	88.7	113	142	178	226	303	443	693	1122	1879	3042
10	0.00	0.00	0.00	0.00	7.16	27.9	48.7	69.8	91.3	116	145	182	232	312	454	702	1128	1906	2937
15	0.00	0.00	0.00	0.00	2.04	21.9	42.1	62.3	82.8	105	131	163	205	268	374	553	866	1482	2450
20	0.00	0.00	0.00	0.00	3.93	24.0	43.5	63.0	82.7	104	129	159	199	258	353	501	786	1413	2284
25	0.00	0.00	0.00	0.00	0.50	16.0	35.2	53.7	72.0	90.6	112	137	169	215	282	387	577	995	1671
30	0.00	0.00	0.00	0.00	0.01	15.8	34.3	51.8	68.5	85.4	104	126	154	194	247	329	486	826	1281
35	0.00	0.00	0.00	0.00	0.00	6.99	24.7	41.9	58.0	73.0	88.2	105	126	154	191	244	335	521	803
40	0.00	0.00	0.00	0.00	0.00	5.16	22.2	38.7	53.6	66.7	79.0	92.0	108	128	153	187	239	324	415
45	0.00	0.00	0.00	0.00	0.00	0.99	10.4	25.5	40.2	53.4	65.3	76.2	87.4	100	116	135	163	205	257
50	0.00	0.00	0.00	0.00	0.00	0.00	4.61	18.4	32.3	45.0	56.0	64.8	71.9	78.3	85.2	92.8	101	108	114
55	0.00	0.00	0.00	0.00	0.00	0.00	1.02	7.76	16.4	27.2	37.3	46.1	53.7	60.6	67.3	74.0	80.4	86.2	90.7
60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.95	13.6	22.3	30.6	38.4	45.6	52.1	57.8	62.5	66.1	68.3
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.63	5.94	10.3	14.5	18.6	24.3	29.7	34.7	39.0	42.4	44.7
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.92	5.18	9.43	13.4	16.9	19.8	21.7
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	2.16	4.30	6.32	8.12	9.65	10.7
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(β) Range:-90 - 90DEG
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Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
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V(B) Range:-80 - 80DEG
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Humidity:83%
Test Distance:8.300m [K=1.0000]
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MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:

Table--2		UNIT: cd																	
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		8.77	8.54	7.87	6.96	5.81	4.51	3.05	1.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-70		17.5	16.9	15.4	13.5	11.1	8.46	5.47	2.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-65		43.0	42.2	40.3	37.6	34.1	30.1	25.6	20.4	15.0	10.9	6.57	2.32	0.00	0.00	0.00	0.00	0.00	0.00
-60		68.5	67.0	64.2	60.4	55.5	50.0	43.7	36.4	28.4	20.0	11.4	3.01	0.00	0.00	0.00	0.00	0.00	0.00
-55		85.2	83.3	79.6	74.8	69.2	63.6	57.6	51.0	43.6	35.0	25.4	14.8	5.97	0.23	0.00	0.00	0.00	0.00
-50		102	98.4	93.2	87.0	80.7	74.8	69.0	62.8	55.5	46.4	35.2	22.4	9.32	0.00	0.00	0.00	0.00	0.00
-45		211	185	154	130	113	98.5	86.4	76.1	66.5	56.6	45.5	32.8	18.9	5.29	0.00	0.00	0.00	0.00
-40		313	258	204	166	139	117	99.5	85.4	73.6	62.5	50.9	37.7	22.7	7.04	0.00	0.00	0.00	0.00
-35		700	519	341	245	191	154	127	106	88.6	74.0	60.4	46.5	31.2	14.8	1.13	0.00	0.00	0.00
-30		1038	696	429	297	226	179	145	119	97.4	79.9	64.5	49.2	33.2	16.0	0.29	0.00	0.00	0.00
-25		1631	1099	630	407	292	221	173	139	113	91.8	73.6	56.8	39.9	22.2	4.12	0.00	0.00	0.00
-20		2075	1270	711	459	325	241	187	148	120	95.9	75.9	57.6	39.6	21.1	2.34	0.00	0.00	0.00
-15		2555	1747	1004	620	411	288	214	168	135	108	85.0	65.2	46.2	27.2	7.83	0.00	0.00	0.00
-10		2818	1861	1098	677	438	298	220	173	138	110	85.9	65.0	45.1	25.5	5.73	0.00	0.00	0.00
-5		3308	2298	1352	822	514	339	243	188	149	118	92.6	70.6	50.0	30.0	9.97	0.00	0.00	0.00
0		3538	2277	1343	815	502	330	239	185	146	116	90.1	67.8	46.9	26.6	6.23	0.00	0.00	0.00
5		3395	2369	1389	844	527	348	249	192	152	121	94.4	71.8	50.8	30.5	10.2	0.00	0.00	0.00
10		2995	1986	1163	718	462	315	232	181	144	114	89.3	67.2	46.5	26.3	6.07	0.00	0.00	0.00
15		2756	1918	1090	668	441	310	230	180	143	114	89.9	68.5	48.3	28.4	8.49	0.00	0.00	0.00
20		2314	1448	797	506	356	264	204	162	130	104	81.5	61.4	42.0	22.6	3.13	0.00	0.00	0.00
25		1884	1299	724	455	323	245	192	154	125	101	79.8	60.9	42.5	23.8	4.90	0.00	0.00	0.00
30		1311	868	504	339	254	201	162	133	109	88.4	70.4	53.1	35.6	17.3	0.58	0.00	0.00	0.00
35		892	659	410	284	218	175	144	120	100	82.6	66.5	50.6	34.0	16.5	1.45	0.00	0.00	0.00
40		419	333	248	196	162	136	116	98.8	84.0	70.2	56.4	41.5	25.4	8.76	0.00	0.00	0.00	0.00
45		272	233	185	152	131	113	99.5	87.1	75.5	63.6	50.9	36.9	22.0	6.91	0.00	0.00	0.00	0.00
50		115	112	105	98.6	91.6	84.8	78.0	70.8	62.3	52.1	40.0	26.4	12.3	0.29	0.00	0.00	0.00	0.00
55		92.2	90.2	86.2	81.3	75.8	70.0	63.8	57.2	49.5	40.5	30.1	18.7	7.58	0.89	0.00	0.00	0.00	0.00
60		68.6	67.3	65.2	61.9	57.7	52.8	47.2	40.8	33.4	24.9	15.7	6.29	0.00	0.00	0.00	0.00	0.00	0.00
65		45.4	44.7	43.0	40.5	37.2	33.4	29.0	24.2	18.8	13.4	8.77	4.07	0.00	0.00	0.00	0.00	0.00	0.00
70		22.1	21.5	20.0	17.9	15.3	12.3	9.06	5.63	1.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75		11.1	10.8	10.2	9.17	7.92	6.47	4.87	3.16	1.37	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
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(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-11-06

V(β) Range:-80 - 80DEG
V(β) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks: