

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity (Luminaire orientation as tested.)	2664.9 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
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Beam Spread	At 10% of Imax	77.2V x 47.7H
	At 50% of Imax	43.9V x 15.7H
	At 90% of Imax	23.0V x 5.9H

Beam Flux	Total	999.7 lumens per klm.
	To 10% of Imax	720.8 lumens per klm.
	To 50% of Imax	327.8 lumens per klm.
	To 90% of Imax	82.6 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

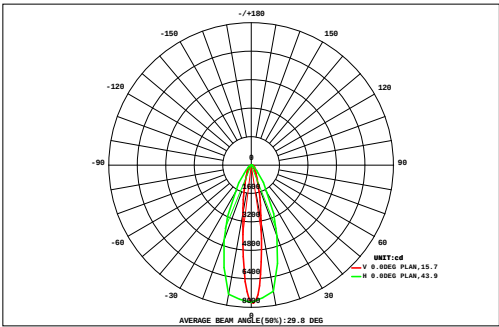
Luminaire Efficiency(Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-11-26

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:220.3V I:0.2912A P:62.58W PF:1.000 Freq:50.00Hz Lamp Flux:2909.66x1 lm		
NAME: 8.01.017.0109 15x40° LWW-WZB-W55-L12-RDM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:202411084
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:46.50lm/W	
MODELLWW-WZB-W55-L12-RDM	Imax(cd)	7754	
NOMINAL POWER(W)	63	AVAILABILITY(%)	72.3
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	2103
NOMINAL FLUX(lm)	2909.66	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	2910
TEST VOLTAGE(V)	220	θ @50%(H,V)	16,44DEG

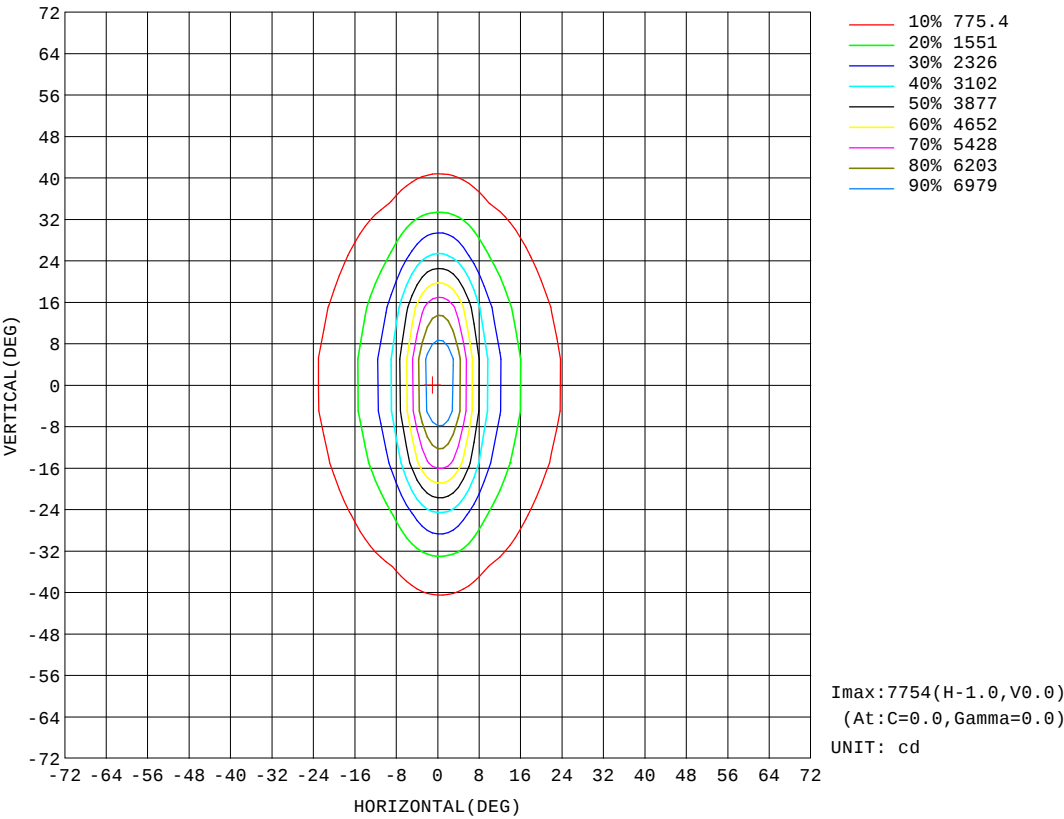
VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm			Φ t	Φ a
	72	0.00	0.01	0.07	0.29	0.58	0.87	1.14	1.35	1.47	1.47	1.35	1.14	0.87	0.57	0.29	0.06	0.01	0.00	11.5	0.00
	64	0.00	0.13	0.45	0.88	1.39	1.89	2.32	2.65	2.85	2.85	2.65	2.33	1.90	1.40	0.88	0.44	0.12	0.00	25.1	0.00
	56	0.04	0.31	0.77	1.36	2.01	2.71	3.41	4.05	4.51	4.52	4.08	3.47	2.79	2.08	1.41	0.81	0.34	0.05	38.7	0.00
	48	0.11	0.51	1.10	1.81	2.65	3.67	4.93	6.55	8.26	8.30	6.62	5.04	3.78	2.75	1.88	1.14	0.54	0.14	59.8	0.00
	40	0.22	0.72	1.41	2.29	3.40	4.94	7.37	11.4	17.3	17.2	11.2	7.25	4.92	3.41	2.27	1.39	0.70	0.21	97.6	25.0
	32	0.29	0.86	1.65	2.73	4.20	6.49	10.8	20.1	37.1	35.6	18.9	10.3	6.31	4.11	2.68	1.63	0.84	0.29	165	109
	24	0.34	0.95	1.82	3.04	4.87	8.02	14.8	32.5	74.5	70.1	30.2	14.0	7.82	4.84	3.05	1.83	0.96	0.35	274	223
		0.37	1.01	1.94	3.28	5.36	9.10	17.6	41.0	106	107	41.5	17.9	9.25	5.45	3.32	1.97	1.04	0.40	373	325
		0.39	1.05	2.02	3.43	5.71	9.92	19.8	46.7	122	123	47.1	19.9	10.0	5.75	3.46	2.04	1.08	0.41	425	378
		0.42	1.10	2.07	3.53	5.91	10.4	21.0	49.6	124	114	44.1	19.0	9.67	5.59	3.38	1.98	1.04	0.39	417	371
		0.39	1.04	2.00	3.40	5.54	9.38	18.2	42.8	111	106	39.8	17.3	9.00	5.32	3.24	1.92	1.01	0.38	377	328
	-24	0.33	0.95	1.83	3.03	4.78	7.70	13.8	29.2	66.4	69.2	30.3	13.9	7.64	4.73	2.98	1.79	0.94	0.34	260	209
	-32	0.25	0.81	1.58	2.64	4.08	6.22	10.1	18.7	36.2	38.0	19.9	10.4	6.24	4.05	2.62	1.59	0.83	0.29	165	109
	-40	0.16	0.65	1.34	2.24	3.39	4.90	7.27	11.2	16.4	16.1	11.1	7.17	4.80	3.31	2.18	1.33	0.67	0.19	94.4	25.2
	-48	0.08	0.48	1.10	1.83	2.71	3.73	5.05	6.44	7.15	6.68	5.89	4.67	3.50	2.56	1.70	1.04	0.47	0.08	55.2	0.00
-56	0.01	0.24	0.75	1.33	2.01	2.62	3.10	3.44	3.54	3.58	3.44	3.05	2.54	1.93	1.29	0.74	0.27	0.03	33.9	0.00	
-64	0.00	0.05	0.36	0.82	1.27	1.72	2.10	2.40	2.58	2.59	2.39	2.08	1.69	1.26	0.82	0.40	0.10	0.01	22.6	0.00	
-72	0.00	0.01	0.08	0.30	0.56	0.83	1.07	1.26	1.36	1.36	1.25	1.07	0.83	0.54	0.30	0.11	0.02	0.00	10.9	0.00	
	-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL(DEG)				16	24	32	40	48	56	64	72	
Φ t	3.41	10.9	22.3	38.2	60.4	95.1	164	331	742	727	322	160	93.6	59.7	37.8	22.2	11.0	3.55	2904	---	
Φ a	0.00	0.00	0.00	0.00	0.00	1.80	87.0	280	698	683	271	81.5	0.44	0.00	0.00	0.00	0.00	0.00	---	2103	

one-half-peak spread: U:21.6,D:22.6 , L:7.7,RNEM Beam Type: Type 4 x 5 (H x V)

H(β) Range:-90 - 90DEG	V(B) Range:-80 - 80DEG
H(β) Interval: 1.0DEG	V(B) Interval: 5.0DEG
Test Speed: HIGH	Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Temperature:28.0DEG	Humidity:83%
Operators:QC1	Test Distance:8.300m [K=1.0000]
Test Date:2024-11-26	Remarks:

ISOCANDELA DIAGRAM

Test:U:220.3V I:0.2912A P:62.58W PF:1.000 Freq:50.00Hz Lamp Flux:2909.66x1 lm		
NAME: 8.01.017.0109 15x40° LWW-WZB-W55-L12-RDM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:202411084
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:

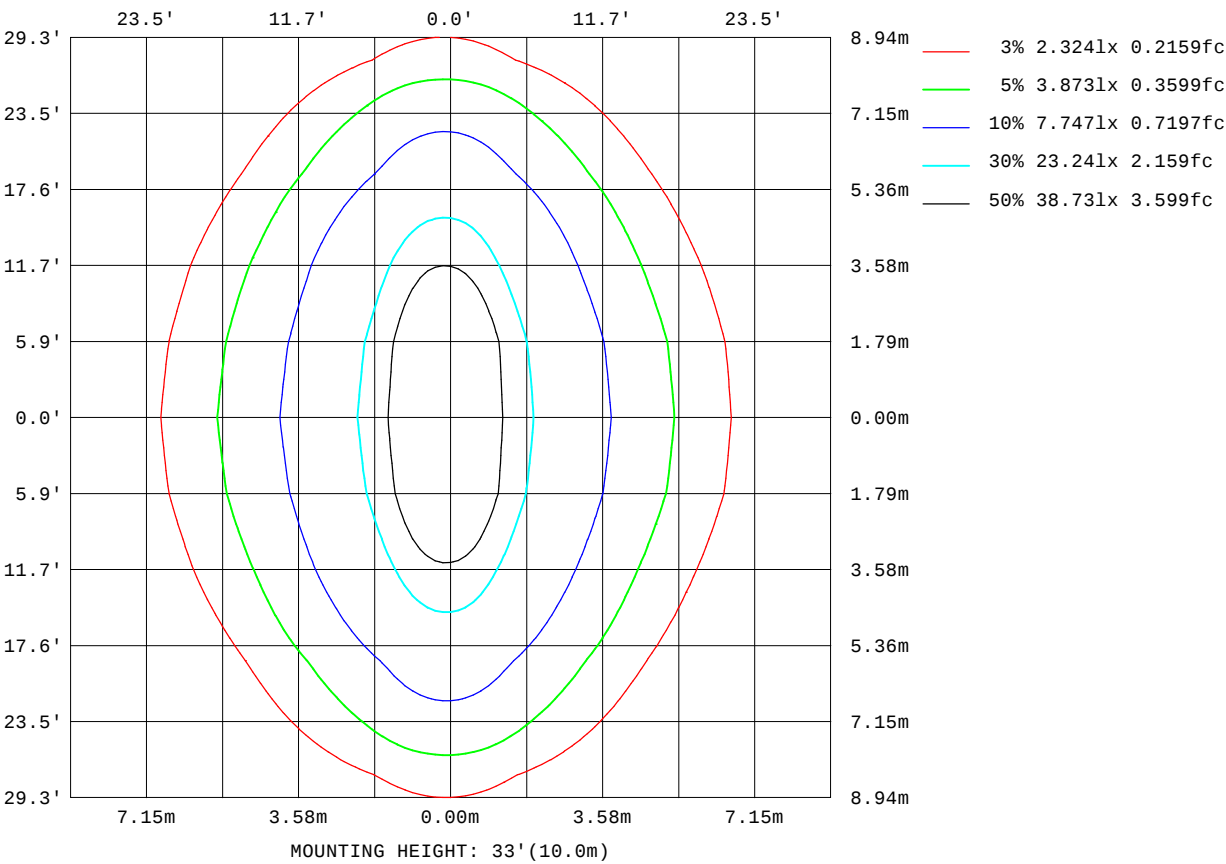


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-11-26

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:

ISOLUX DIAGRAM

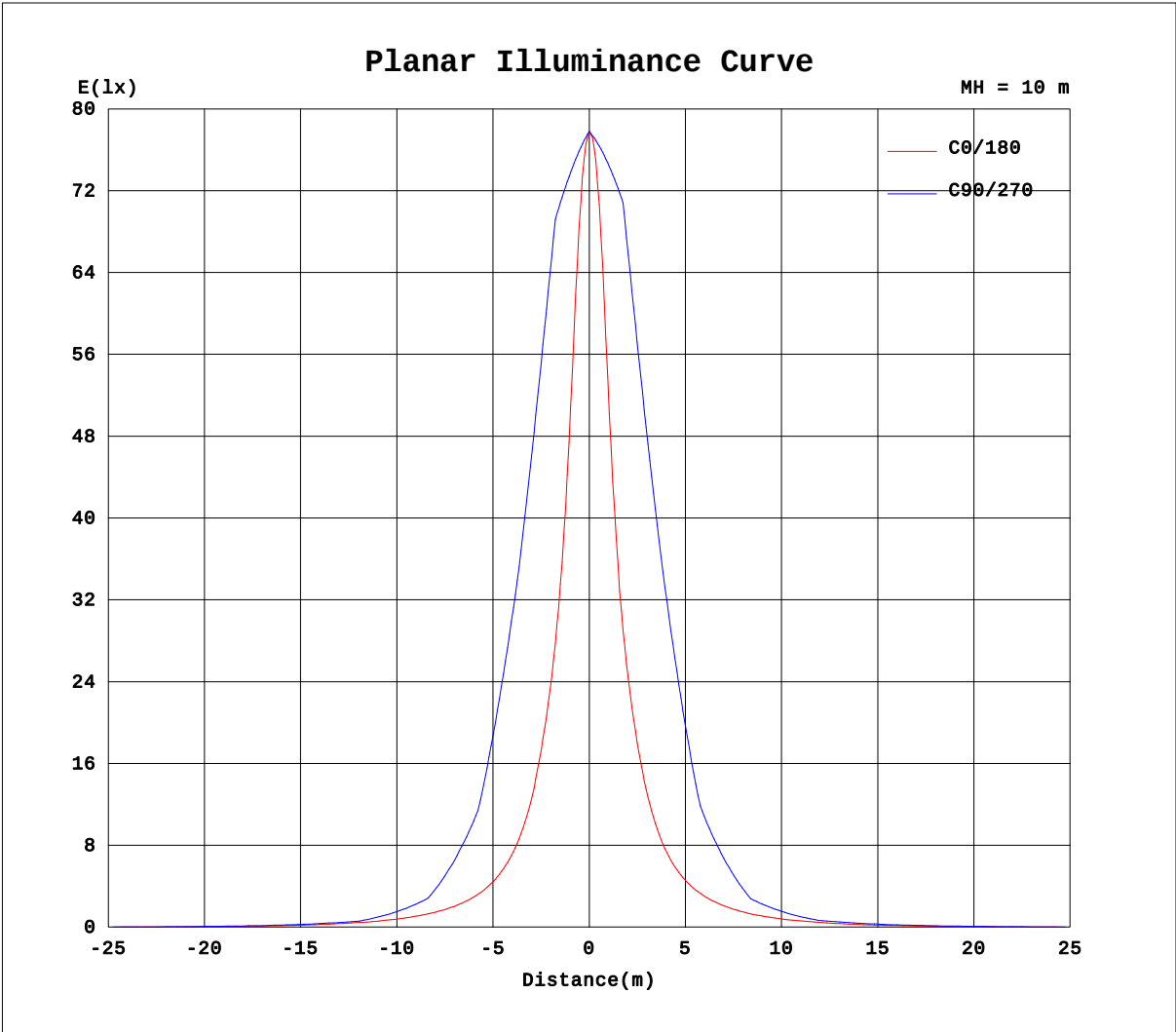
Test:U:220.3V I:0.2912A P:62.58W PF:1.000 Freq:50.00Hz Lamp Flux:2909.66x1 lm		
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SPEC.:	DIM.:	SERIAL No.:202411084
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-11-26

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:

Planar Illuminance Curve

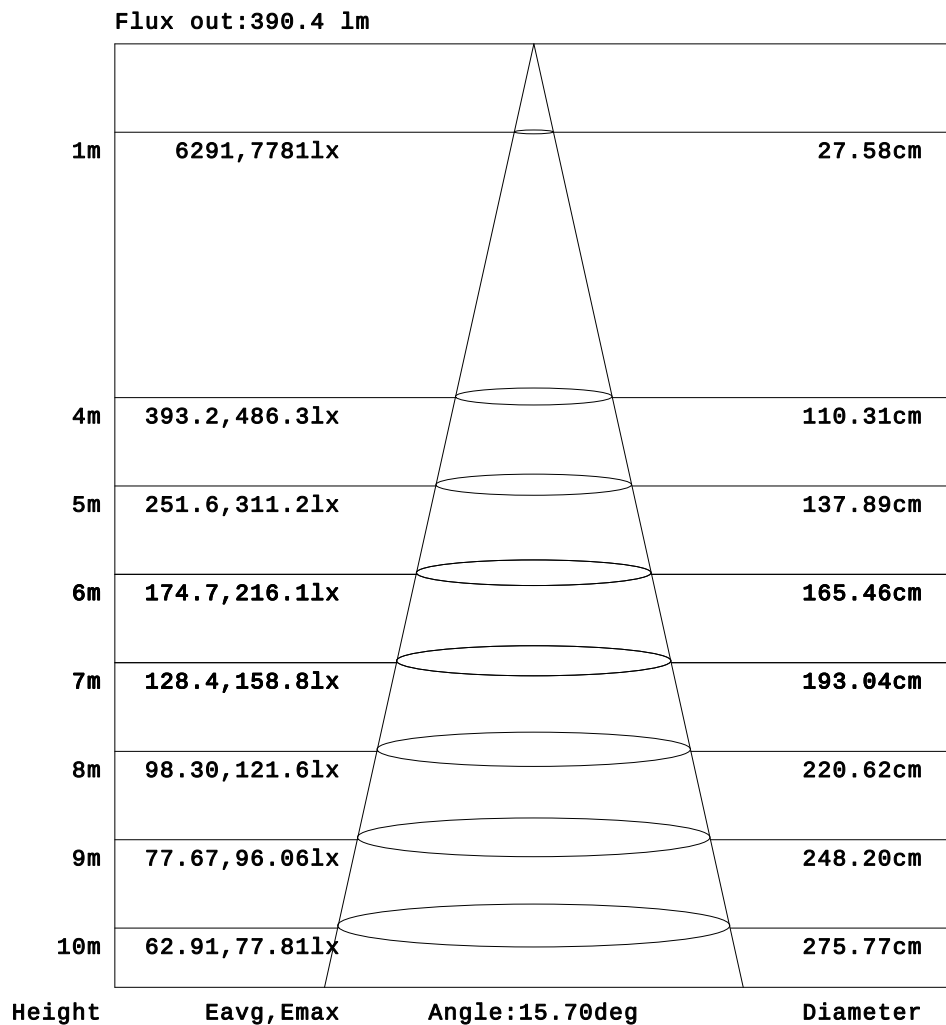


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-11-26

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:

AAI Figure

Test:U:220.3V I:0.2912A P:62.58W PF:1.000 Freq:50.00Hz Lamp Flux:2909.66x1 lm		
NAME: 8.01.017.0109 15x40° LWW-WZB-W55-L12-RDM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:202411084
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:2024-11-26

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:220.3V I:0.2912A P:62.58W PF:1.000 Freq:50.00Hz Lamp Flux:2909.66x1 lm		
NAME: 8.01.017.0109 15x40° LWW-WZB-W55-L12-RDM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:202411084
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:

Table--1																	UNIT: cd		
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.31	4.94	8.79	12.6	16.2	19.5	22.4	24.8	26.7	27.9	28.5
-70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.26	11.6	19.2	26.5	33.8	40.2	45.8	50.4	53.9	56.2	56.9
-65	0.00	0.00	0.00	0.00	0.00	0.00	1.44	8.83	18.0	32.1	43.6	54.2	63.8	72.5	79.8	85.9	90.9	94.3	95.7
-60	0.00	0.00	0.00	0.00	0.00	0.00	5.63	21.3	39.6	57.3	71.8	85.7	97.4	108	117	124	129	133	134
-55	0.00	0.00	0.00	0.00	0.00	2.90	14.6	34.0	55.1	74.4	93.5	112	127	141	153	165	176	184	188
-50	0.00	0.00	0.00	0.00	0.00	9.76	30.3	55.8	78.8	101	122	144	162	179	195	211	226	237	241
-45	0.00	0.00	0.00	0.00	1.27	15.1	39.7	66.8	92.6	115	140	167	194	222	257	300	349	402	436
-40	0.00	0.00	0.00	0.00	6.26	29.3	60.1	88.2	115	141	169	201	236	277	337	408	493	588	631
-35	0.00	0.00	0.00	0.00	8.56	36.3	65.2	95.0	124	154	186	224	268	325	408	534	716	994	1194
-30	0.00	0.00	0.00	0.02	21.6	54.2	83.1	112	143	178	218	264	322	400	524	722	1033	1520	1759
-25	0.00	0.00	0.00	1.42	22.3	54.4	85.6	117	150	187	230	282	351	448	608	889	1368	2270	2997
-20	0.00	0.00	0.00	7.97	36.1	66.1	100	134	170	211	260	325	414	546	783	1207	1974	3455	4227
-15	0.00	0.00	0.00	4.25	32.6	64.3	97.9	132	171	214	266	334	429	576	830	1308	2183	4070	5724
-10	0.00	0.00	0.00	11.5	41.6	74.7	109	145	187	235	296	376	494	684	1024	1684	2909	5684	7205
-5	0.00	0.00	0.00	6.62	36.4	69.5	104	139	180	227	286	367	482	667	992	1606	2733	5238	7483
0	0.00	0.00	0.00	13.1	44.1	77.9	113	149	190	240	305	396	529	750	1146	1885	3226	6164	7722
5	0.00	0.00	0.00	6.67	36.2	69.5	104	139	179	226	285	366	482	669	999	1621	2766	5318	7570
10	0.00	0.00	0.00	11.2	41.4	74.6	109	144	185	233	294	375	495	691	1040	1718	2987	5860	7369
15	0.00	0.00	0.00	4.33	32.6	64.7	98.0	132	170	212	265	335	434	587	850	1356	2276	4291	5961
20	0.00	0.00	0.00	7.88	36.3	68.0	101	134	169	210	261	329	423	566	813	1287	2118	3751	4511
25	0.00	0.00	0.00	1.46	25.6	55.5	86.7	118	151	188	231	284	357	461	630	939	1458	2451	3179
30	0.00	0.00	0.00	1.89	26.4	55.4	85.4	115	146	181	219	265	326	411	544	760	1095	1597	1818
35	0.00	0.00	0.00	0.01	15.6	41.8	70.0	97.9	126	156	187	225	270	330	417	551	746	1035	1226
40	0.00	0.00	0.00	0.00	14.7	39.4	65.9	91.6	117	143	170	200	236	278	337	409	496	592	627
45	0.00	0.00	0.00	0.00	5.16	24.6	48.2	71.9	95.4	119	142	167	194	224	261	307	358	414	444
50	0.00	0.00	0.00	0.00	1.22	19.0	40.0	61.6	83.0	104	124	144	164	184	204	224	242	255	260
55	0.00	0.00	0.00	0.00	0.01	7.52	23.2	41.5	60.2	78.8	96.9	115	132	148	163	177	190	200	204
60	0.00	0.00	0.00	0.00	0.00	0.39	13.6	28.7	44.6	60.9	76.9	92.8	106	118	127	136	142	146	148
65	0.00	0.00	0.00	0.00	0.00	0.00	5.35	12.8	22.6	35.1	47.4	59.4	70.2	79.6	87.6	94.1	99.8	104	105
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.37	14.1	22.6	30.6	38.2	44.9	50.6	55.4	59.2	61.7	62.6
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.83	6.19	10.4	14.5	18.4	21.8	24.8	27.1	29.3	30.7	31.3
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
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-11-26

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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	28.0	26.8	25.0	22.7	19.9	16.6	12.2	8.69	5.28	1.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-70	55.7	53.0	49.1	44.3	38.5	31.4	23.2	15.7	9.42	2.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-65	94.4	90.8	85.7	79.5	72.2	63.8	53.6	43.8	33.5	22.2	12.3	4.05	0.00	0.00	0.00	0.00	0.00	0.00	
-60	132	127	120	112	103	92.0	80.3	67.4	53.5	37.3	21.0	4.99	0.00	0.00	0.00	0.00	0.00	0.00	
-55	184	176	164	152	139	126	111	94.6	77.6	59.7	41.2	21.7	6.65	0.00	0.00	0.00	0.00	0.00	
-50	234	221	204	187	171	154	136	115	94.9	74.7	53.8	30.8	9.93	0.00	0.00	0.00	0.00	0.00	
-45	412	356	304	259	222	193	168	141	117	95.1	72.4	48.5	23.7	4.43	0.00	0.00	0.00	0.00	
-40	569	469	385	316	261	222	189	157	131	107	81.9	56.5	28.6	4.62	0.00	0.00	0.00	0.00	
-35	1059	764	561	423	332	270	226	187	154	126	98.5	71.7	44.0	17.3	0.29	0.00	0.00	0.00	
-30	1429	963	673	488	374	299	246	203	166	134	104	76.2	48.2	19.7	0.00	0.00	0.00	0.00	
-25	2466	1489	947	637	461	356	285	232	189	153	120	89.8	60.1	30.7	4.31	0.00	0.00	0.00	
-20	3064	1747	1069	699	498	381	301	242	197	157	123	91.5	60.2	29.7	3.09	0.00	0.00	0.00	
-15	4513	2391	1405	881	601	443	343	271	217	174	137	103	70.8	39.0	10.2	0.00	0.00	0.00	
-10	4955	2527	1475	922	628	459	353	275	219	174	136	102	68.4	36.1	7.09	0.00	0.00	0.00	
-5	5750	2963	1723	1052	700	502	379	295	234	186	145	110	76.0	43.1	12.7	0.00	0.00	0.00	
0	5170	2753	1624	1004	674	486	368	287	227	180	140	104	70.2	37.4	7.57	0.00	0.00	0.00	
5	5798	2983	1732	1057	704	504	381	296	234	186	146	110	76.3	43.3	12.9	0.00	0.00	0.00	
10	5035	2563	1492	933	635	463	355	277	220	175	137	103	68.9	36.5	7.40	0.00	0.00	0.00	
15	4638	2443	1435	899	615	453	350	276	221	177	139	105	71.6	39.7	10.6	0.00	0.00	0.00	
20	3183	1805	1101	722	516	395	312	251	203	161	126	93.2	61.3	30.7	3.57	0.00	0.00	0.00	
25	2560	1535	979	659	479	370	296	240	196	159	125	93.0	62.2	32.6	6.05	0.00	0.00	0.00	
30	1461	991	695	506	390	311	255	211	174	141	110	80.3	51.0	23.2	0.70	0.00	0.00	0.00	
35	1074	777	573	435	345	282	235	197	163	133	104	76.1	48.5	22.3	1.82	0.00	0.00	0.00	
40	563	466	386	321	271	231	198	168	139	113	86.9	60.7	35.2	11.8	0.00	0.00	0.00	0.00	
45	418	363	312	269	233	203	175	150	125	101	77.2	53.4	30.6	9.46	0.00	0.00	0.00	0.00	
50	253	238	221	202	183	163	143	123	102	80.0	58.0	36.8	17.1	0.57	0.00	0.00	0.00	0.00	
55	201	192	180	167	153	137	120	102	83.7	64.6	45.7	27.4	10.9	1.40	0.00	0.00	0.00	0.00	
60	146	141	134	126	116	105	90.2	74.1	57.8	41.4	25.9	11.1	0.01	0.00	0.00	0.00	0.00	0.00	
65	104	101	95.9	89.7	82.0	73.0	62.4	50.3	38.0	25.2	14.5	6.95	0.42	0.00	0.00	0.00	0.00	0.00	
70	61.5	58.8	55.0	50.1	44.1	37.3	29.8	21.7	13.1	4.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
75	30.9	29.7	27.9	25.6	22.7	19.4	15.7	11.6	7.44	2.92	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:2024-11-26

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: