

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

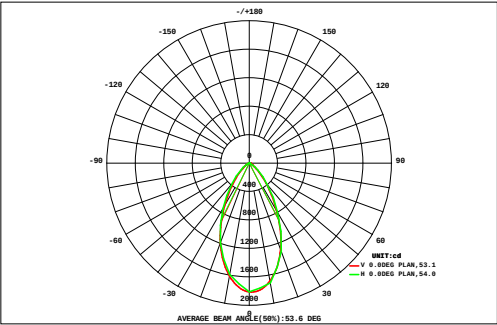
Maximum Intensity (Luminaire orientation as tested.)		1088.0 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of Imax	97.6V x 94.3H
	At 50% of Imax	54.1V x 53.1H
	At 90% of Imax	20.8V x 21.1H
Beam Flux	Total	999.8 lumens per klm.
	To 10% of Imax	911.3 lumens per klm.
	To 50% of Imax	527.1 lumens per klm.
	To 90% of Imax	97.8 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:2024-12-04

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:220.5V I:0.1189A P:14.93W PF:1.000 Freq:50.00Hz Lamp Flux:1665.38x1 lm		
NAME: 8.02.038.0043 LLS-WZB-W40-L6-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2024120024
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:111.57lm/W	
MODEL LLS-WZB-W40-L6-DIM	Imax(cd)	1812	
NOMINAL POWER(W)	15	AVAILABILITY(%)	91.3
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	1520
NOMINAL FLUX(lm)	1665.38	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	1665
TEST VOLTAGE(V)	220	θ @50%(H,V)	53,54DEG

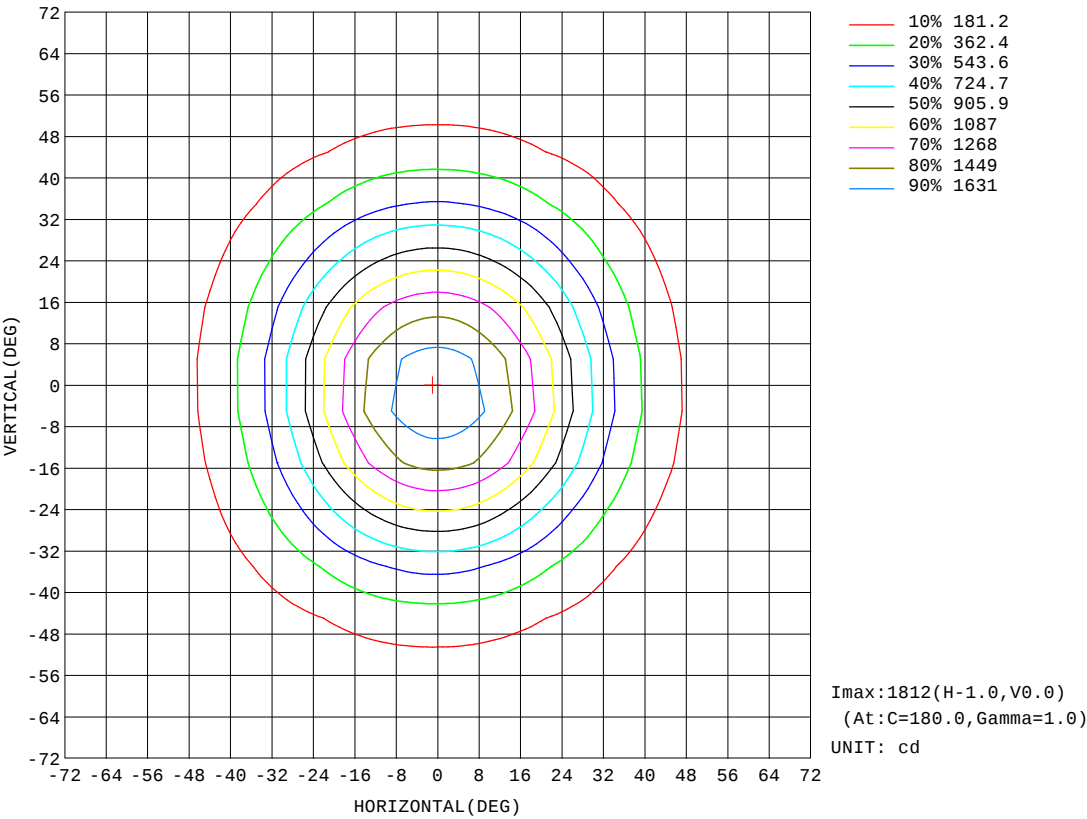
AREA FLUX DIAGRAM																	UNIT:lm			Φ t	Φ a
VERTICAL (DEG)	72	0.00	0.01	0.09	0.12	0.14	0.19	0.27	0.35	0.38	0.37	0.32	0.24	0.18	0.16	0.12	0.02	0.00	0.00	2.98	0.00
	64	0.02	0.09	0.13	0.24	0.39	0.59	0.81	1.01	1.09	1.08	0.95	0.75	0.53	0.35	0.21	0.13	0.06	0.00	8.43	0.00
	56	0.05	0.12	0.25	0.47	0.82	1.29	1.82	2.30	2.55	2.54	2.23	1.75	1.23	0.77	0.43	0.23	0.11	0.03	19.0	0.00
	48	0.07	0.17	0.40	0.81	1.49	2.45	3.56	4.58	5.17	5.15	4.51	3.48	2.38	1.43	0.77	0.37	0.16	0.06	37.0	22.6
	40	0.09	0.26	0.61	1.32	2.56	4.33	6.43	8.37	9.49	9.38	8.11	6.14	4.06	2.34	1.19	0.54	0.22	0.08	65.5	57.1
	32	0.11	0.34	0.86	1.96	3.97	6.93	10.5	13.8	15.7	15.5	13.3	9.95	6.43	3.60	1.77	0.76	0.30	0.10	106	99.6
	24	0.13	0.41	1.09	2.62	5.50	9.96	15.4	20.3	22.9	22.6	19.6	14.7	9.33	5.14	2.44	1.00	0.37	0.12	154	148
		0.14	0.45	1.24	3.09	6.66	12.4	19.5	25.6	29.0	28.8	25.1	19.1	12.2	6.59	3.07	1.24	0.44	0.14	195	190
		0.15	0.48	1.35	3.43	7.51	14.1	22.3	29.4	33.4	33.2	28.8	21.9	13.9	7.47	3.43	1.36	0.48	0.15	223	218
		0.16	0.51	1.44	3.62	7.92	14.9	23.4	30.7	34.9	34.5	29.6	22.1	13.9	7.34	3.34	1.31	0.46	0.14	230	226
		0.15	0.46	1.27	3.22	6.94	13.0	20.9	27.9	32.0	31.7	27.4	20.4	12.8	6.80	3.10	1.24	0.44	0.13	210	205
	-24	0.13	0.40	1.07	2.59	5.52	10.2	16.2	21.9	25.2	25.0	21.4	15.7	9.88	5.36	2.52	1.02	0.38	0.12	165	159
-32	0.11	0.33	0.84	1.96	4.05	7.23	11.2	15.1	17.3	17.2	14.7	10.8	6.85	3.77	1.82	0.77	0.30	0.10	115	108	
-40	0.09	0.26	0.63	1.38	2.72	4.63	6.92	9.06	10.3	10.1	8.60	6.36	4.11	2.31	1.15	0.52	0.21	0.07	69.4	61.4	
-48	0.07	0.19	0.43	0.87	1.59	2.57	3.68	4.69	5.19	5.06	4.31	3.25	2.16	1.26	0.66	0.32	0.14	0.05	36.5	23.6	
-56	0.05	0.11	0.25	0.46	0.79	1.22	1.71	2.13	2.35	2.32	2.02	1.57	1.08	0.68	0.39	0.20	0.10	0.02	17.4	1.04	
-64	0.03	0.08	0.14	0.25	0.40	0.60	0.82	1.00	1.08	1.06	0.93	0.73	0.51	0.33	0.19	0.13	0.04	0.01	8.33	0.00	
-72	0.01	0.03	0.09	0.12	0.16	0.21	0.28	0.35	0.36	0.35	0.30	0.23	0.17	0.15	0.09	0.03	0.01	0.00	2.94	0.00	
	-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL (DEG)					16	24	32	40	48	56	64	72
Φ t	1.56	4.72	12.2	28.6	59.1	107	166	219	248	246	212	159	102	55.8	26.7	11.2	4.22	1.30	1664	---	
Φ a	0.00	0.00	0.11	15.6	49.9	98.3	158	210	241	238	204	151	93.3	46.3	13.9	0.00	0.00	0.00	---	1520	

one-half-peak spread: U:27.9,D:26.5 , L:26.6,R:26.8 NEMA Beam Type: Type 5

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-12-04
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:220.5V I:0.1189A P:14.93W PF:1.000 Freq:50.00Hz Lamp Flux:1665.38x1 lm		
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SPEC.:	DIM.:	SERIAL No.:2024120024
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:

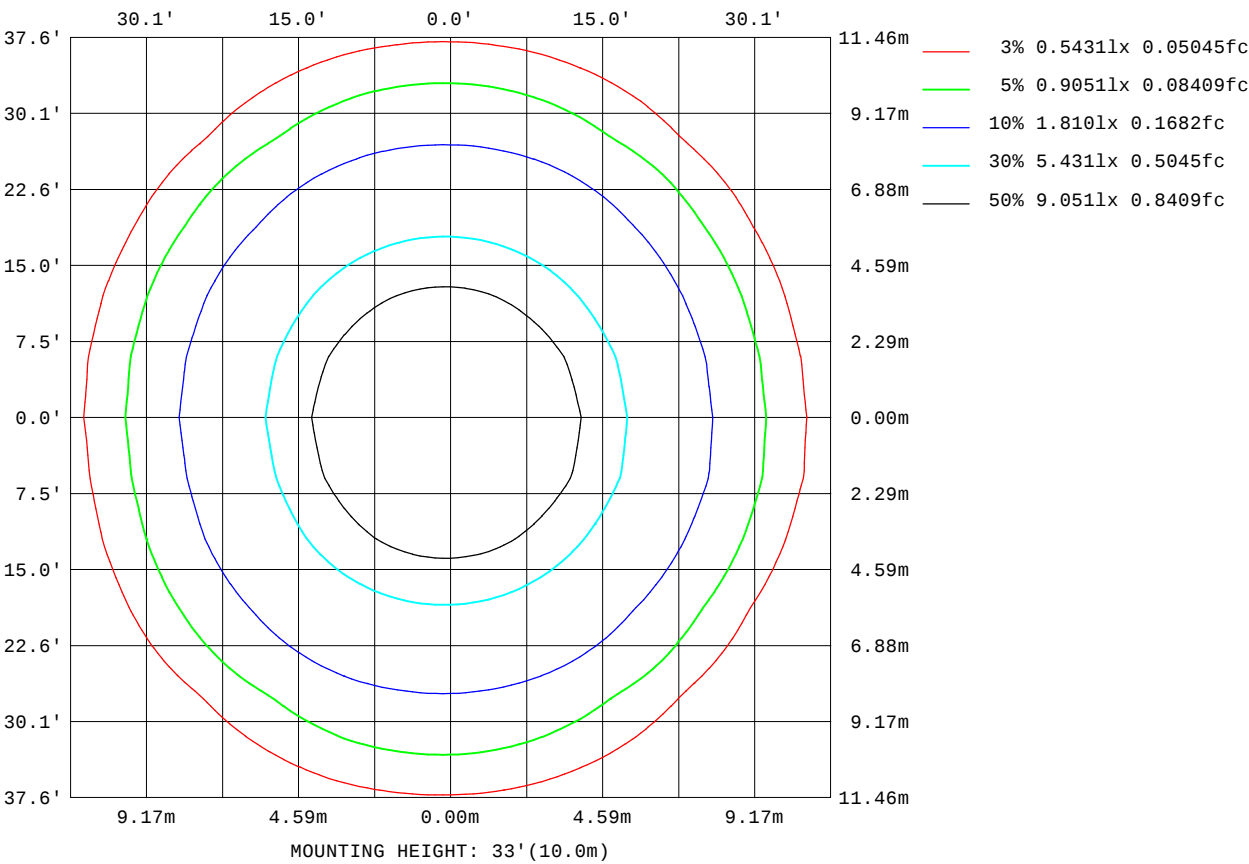


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V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

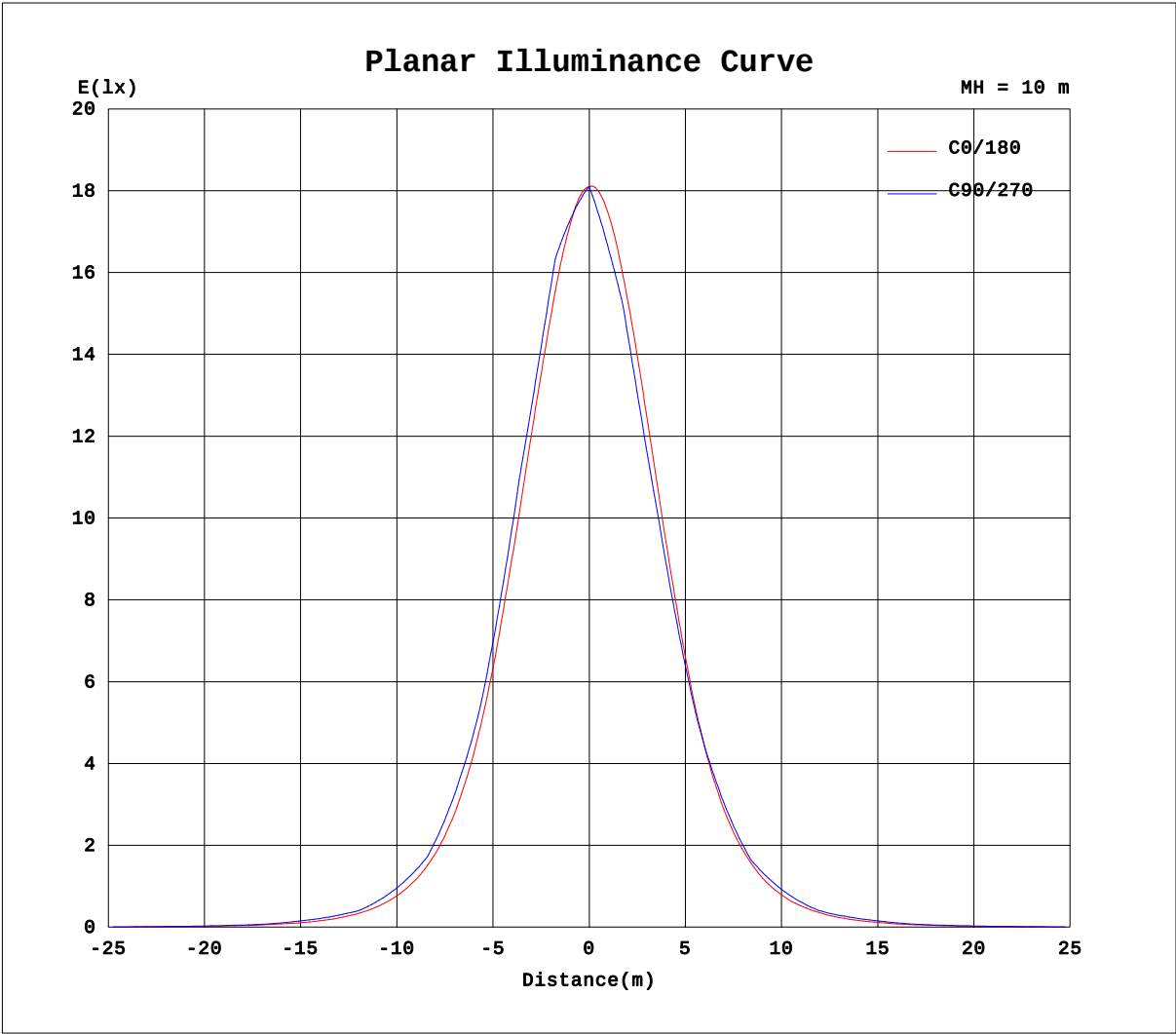
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Test Date:2024-12-04

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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

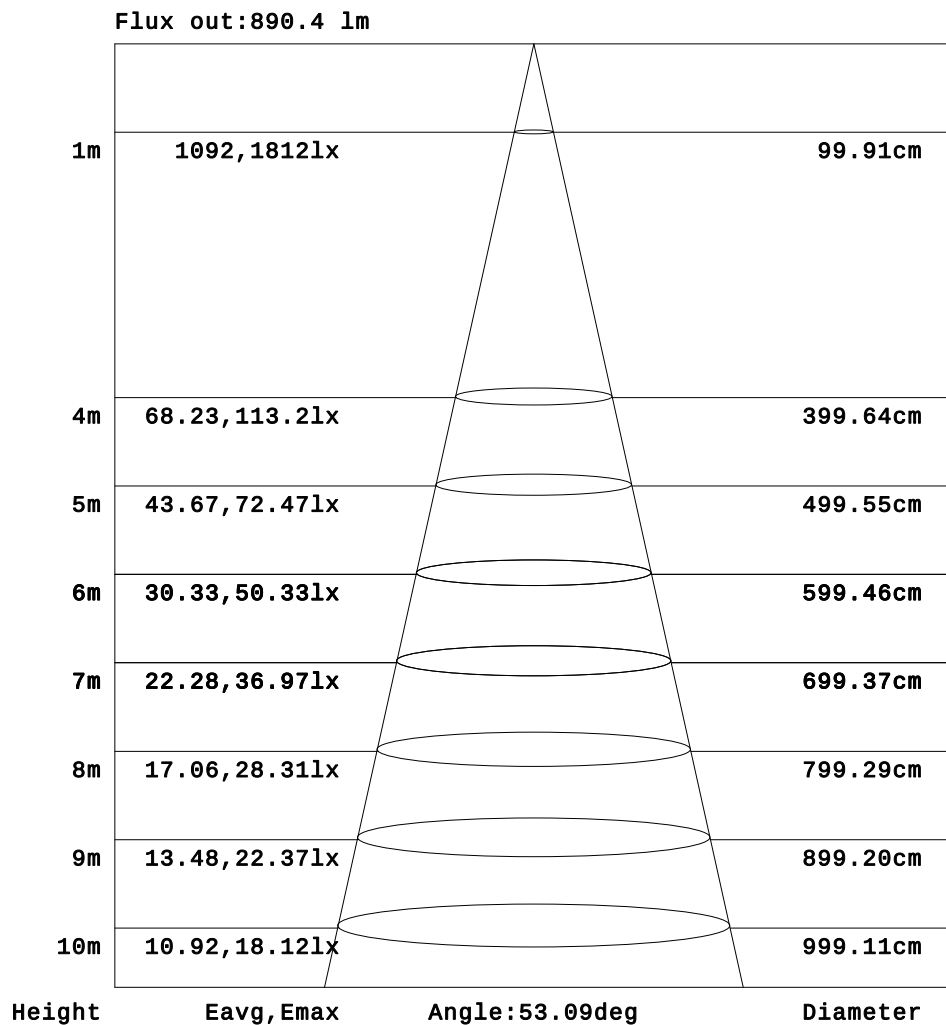


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AAI Figure

Test:U:220.5V I:0.1189A P:14.93W PF:1.000 Freq:50.00Hz Lamp Flux:1665.38x1 lm		
NAME: 8.02.038.0043 LLS-WZB-W40-L6-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2024120024
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:2024-12-04

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:220.5V I:0.1189A P:14.93W PF:1.000 Freq:50.00Hz Lamp Flux:1665.38x1 lm		
NAME: 8.02.038.0043 LLS-WZB-W40-L6-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2024120024
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:

Table--1																	UNIT: cd			
H(DEG) V(DEG)	-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	0.67	0.00	0.00	0.00	0.00	
-75	0.00	0.00	0.00	0.00	0.00	0.00	0.19	3.06	3.83	3.45	3.35	3.53	3.91	4.87	5.46	6.32	6.77	7.02	6.59	
-70	0.00	0.00	0.00	0.00	0.00	0.00	1.47	6.76	7.59	6.80	6.74	7.20	8.07	9.44	11.1	12.9	13.7	13.8	13.3	
-65	0.00	0.00	0.00	0.00	0.00	3.59	4.62	7.77	10.3	12.0	14.1	16.9	20.2	24.0	27.9	31.4	33.9	34.8	34.4	
-60	0.00	0.00	0.00	0.00	0.00	8.35	8.80	10.1	13.6	18.0	22.6	28.0	33.9	40.2	46.1	50.9	54.7	55.6	55.7	
-55	0.00	0.00	0.00	0.00	2.18	8.30	10.6	14.0	19.5	26.4	34.5	44.6	56.2	68.7	81.0	92.5	101	106	107	
-50	0.00	0.00	0.00	0.00	6.59	9.33	13.3	19.7	27.8	37.7	50.2	65.7	83.5	102	121	138	151	158	159	
-45	0.00	0.00	0.00	0.05	6.76	11.1	16.7	25.5	36.7	52.0	72.3	98.1	128	161	195	227	254	269	274	
-40	0.00	0.00	0.00	1.92	9.32	13.9	23.5	35.0	50.8	73.5	104	142	186	234	283	328	364	385	388	
-35	0.00	0.00	0.00	3.09	9.51	15.7	26.1	40.4	61.0	91.6	134	189	254	328	407	480	542	580	592	
-30	0.00	0.00	0.00	8.29	11.2	21.0	34.0	52.7	81.5	124	185	261	351	454	561	661	738	785	794	
-25	0.00	0.00	0.00	6.87	10.7	21.1	34.8	55.2	87.9	138	209	304	421	558	706	847	960	1033	1057	
-20	0.00	0.00	0.00	9.03	13.7	25.9	42.3	68.7	111	176	268	391	543	720	910	1084	1218	1300	1317	
-15	0.00	0.00	0.00	8.17	12.3	24.5	40.5	66.7	110	179	277	410	581	785	1006	1211	1371	1478	1515	
-10	0.00	0.00	0.01	9.59	15.2	28.4	47.2	79.0	132	216	333	492	696	937	1188	1409	1576	1684	1710	
-5	0.00	0.00	0.00	8.93	13.7	26.5	44.5	74.8	126	206	322	482	688	934	1191	1420	1599	1720	1762	
0	0.00	0.00	0.00	9.74	16.7	30.7	51.6	87.1	146	236	369	546	773	1035	1291	1512	1682	1788	1810	
5	0.00	0.00	0.00	9.07	14.0	26.9	45.2	76.1	127	208	324	483	688	930	1174	1390	1556	1664	1701	
10	0.00	0.00	0.01	9.67	15.9	29.2	48.8	81.6	135	219	337	494	695	926	1150	1343	1485	1567	1589	
15	0.00	0.00	0.00	8.69	13.0	24.9	41.4	68.3	112	180	277	408	574	768	966	1146	1281	1364	1392	
20	0.00	0.00	0.00	9.35	14.2	26.1	42.8	69.4	112	175	264	383	527	692	859	1010	1119	1180	1192	
25	0.00	0.00	0.00	7.20	11.3	20.9	34.4	54.7	87.1	135	203	294	405	532	666	791	888	948	966	
30	0.00	0.00	0.00	8.09	11.2	20.4	32.7	50.8	78.7	119	176	247	332	427	525	615	687	730	738	
35	0.00	0.00	0.00	3.57	9.93	15.5	25.5	39.0	59.2	88.5	129	180	242	311	384	451	509	544	555	
40	0.00	0.00	0.00	3.94	9.73	14.2	23.0	33.9	49.6	71.8	101	137	179	225	271	312	348	367	371	
45	0.00	0.00	0.00	0.59	7.84	11.1	16.7	24.9	35.9	50.9	70.7	95.6	125	156	188	218	244	259	264	
50	0.00	0.00	0.00	0.00	7.76	9.65	13.4	19.8	27.3	37.2	49.8	65.1	82.4	101	119	135	147	154	156	
55	0.00	0.00	0.00	0.00	3.08	7.39	10.7	14.0	18.8	25.3	33.5	43.5	55.0	67.3	79.5	90.8	99.7	105	106	
60	0.00	0.00	0.00	0.00	0.00	6.87	9.21	9.86	12.6	16.5	20.9	26.2	32.3	38.8	45.0	50.4	54.6	56.0	56.6	
65	0.00	0.00	0.00	0.00	0.00	2.65	4.58	6.22	9.70	11.6	13.4	16.0	19.2	23.1	27.2	31.2	34.2	35.4	35.4	
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.15	7.84	7.36	6.81	6.98	7.64	8.98	10.9	13.2	14.4	14.8	14.6	
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.43	3.73	3.78	3.43	3.46	3.73	4.31	5.26	6.42	7.08	7.50	7.19	
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	

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Humidity:83%
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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	6.57	5.87	4.98	4.20	3.68	3.64	4.00	4.11	2.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-70	12.9	11.4	9.61	8.14	7.27	7.35	8.24	7.87	3.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-65	33.8	31.0	27.7	23.9	20.2	17.2	14.8	12.7	8.80	5.18	4.88	2.21	0.00	0.00	0.00	0.00	0.00	0.00
-60	53.9	49.4	44.4	38.1	31.8	26.0	20.7	16.1	12.1	10.2	9.32	2.88	0.00	0.00	0.00	0.00	0.00	0.00
-55	105	97.8	87.5	75.7	62.9	50.5	39.5	30.1	22.4	16.7	12.8	7.74	4.54	0.27	0.00	0.00	0.00	0.00
-50	154	143	126	108	88.9	70.4	54.3	40.7	29.9	21.5	14.6	10.6	7.68	0.00	0.00	0.00	0.00	0.00
-45	267	248	219	187	153	119	90.1	65.5	46.5	32.4	22.0	14.6	10.2	3.95	0.00	0.00	0.00	0.00
-40	374	343	300	253	204	155	115	81.8	56.4	38.7	26.1	16.4	10.8	5.12	0.00	0.00	0.00	0.00
-35	575	532	467	392	314	239	175	123	83.6	55.3	36.1	23.0	13.8	8.88	0.62	0.00	0.00	0.00
-30	764	697	604	499	394	294	212	146	97.6	63.0	40.3	25.3	14.3	9.70	0.00	0.00	0.00	0.00
-25	1030	953	835	695	550	414	298	205	136	86.0	53.6	33.3	19.5	11.3	3.48	0.00	0.00	0.00
-20	1274	1166	1013	832	649	483	342	233	151	93.6	57.3	35.1	20.2	11.2	3.08	0.00	0.00	0.00
-15	1481	1379	1220	1022	810	607	432	295	191	119	71.9	43.2	25.5	13.4	7.22	0.00	0.00	0.00
-10	1659	1535	1353	1128	886	655	461	308	197	122	72.5	43.0	25.1	12.9	6.33	0.00	0.00	0.00
-5	1721	1604	1428	1209	964	722	511	346	223	137	82.0	48.4	28.4	14.7	8.70	0.00	0.00	0.00
0	1747	1611	1422	1194	941	696	489	326	208	127	75.1	44.3	25.5	13.0	6.23	0.00	0.00	0.00
5	1659	1548	1382	1176	940	706	501	338	219	135	80.7	47.7	27.9	14.5	8.33	0.00	0.00	0.00
10	1536	1425	1266	1067	842	626	442	296	191	118	70.2	41.9	24.2	12.5	5.43	0.00	0.00	0.00
15	1359	1270	1136	964	770	581	417	285	186	117	70.6	42.6	25.1	13.2	6.82	0.00	0.00	0.00
20	1153	1067	942	785	618	465	334	229	149	93.5	57.4	35.1	20.3	11.3	3.02	0.00	0.00	0.00
25	943	879	783	661	530	405	295	206	137	87.9	55.1	34.3	20.3	11.6	4.12	0.00	0.00	0.00
30	713	658	579	486	390	296	217	152	103	66.7	42.9	27.0	15.6	10.3	0.64	0.00	0.00	0.00
35	542	505	450	382	311	241	179	128	88.3	58.7	38.6	24.7	14.9	9.68	1.29	0.00	0.00	0.00
40	359	333	295	251	204	159	119	86.5	60.3	41.3	28.1	17.8	11.4	6.59	0.00	0.00	0.00	0.00
45	258	241	216	186	154	123	93.5	69.2	49.5	34.6	23.8	15.8	11.0	4.98	0.00	0.00	0.00	0.00
50	152	142	127	110	91.5	73.4	57.1	43.2	31.8	23.1	15.9	11.3	8.57	0.22	0.00	0.00	0.00	0.00
55	104	98.2	88.7	77.5	65.3	53.1	41.9	32.2	24.1	17.8	13.7	9.45	4.94	0.76	0.00	0.00	0.00	0.00
60	55.3	51.3	46.5	40.5	34.1	28.1	22.6	17.8	13.5	10.6	10.1	5.70	0.00	0.00	0.00	0.00	0.00	0.00
65	35.1	32.8	29.6	25.9	22.0	18.6	15.8	13.6	10.8	6.75	5.08	3.53	0.07	0.00	0.00	0.00	0.00	0.00
70	14.4	13.1	11.3	9.70	8.40	7.82	7.98	8.53	6.65	1.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	7.31	6.70	5.85	5.00	4.30	3.94	3.96	4.21	3.70	1.24	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:2024-12-04

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: