

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity (Luminaire orientation as tested.)	937.8 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
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Beam Spread	At 10% of Imax	108.4V x 103.6H
	At 50% of Imax	58.5V x 55.1H
	At 90% of Imax	21.5V x 20.5H

Beam Flux	Total	999.7 lumens per klm.
	To 10% of Imax	910.9 lumens per klm.
	To 50% of Imax	507.6 lumens per klm.
	To 90% of Imax	89.2 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

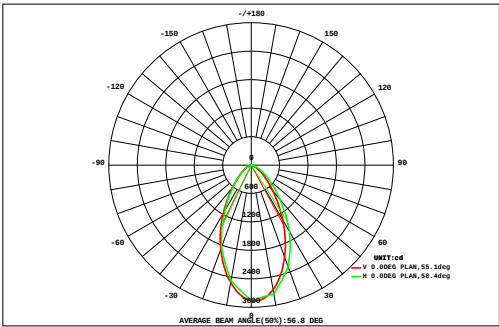
Luminaire Efficiency(Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:29.2DEG
Operators:QC1
Test Date:2024-04-18

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:62%
Test Distance:8.300m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:221.0V I:0.2894A P:62.39W PF:0.9753 Lamp Flux:3054.52x1 lm		
NAME: 8.01.017.0049 60°LWW-WZB-W55-L12-RDM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:202404000042
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:



DATA OF LAMP		Eff:48.96lm/W	
MODEL:W-WZB-W55-L12-RDM (		Imax(cd)	2865
NOMINAL POWER(W)	62	AVAILABILITY(%)	91.4
RATED VOLTAGE(V)	222	Avai. FLUX(lm)	2791
NOMINAL FLUX(lm)	3054.52	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	3055
TEST VOLTAGE(V)	221.0	θ @50%(H,V)	55,58DEG

AREA FLUX DIAGRAM																		UNIT:lm	Φ t	Φ a
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
80	0.00	0.00	0.00	0.08	0.30	0.62	1.04	1.41	1.61	1.60	1.36	0.99	0.58	0.29	0.08	0.00	0.00	0.00	9.97	0.00
70	0.00	0.00	0.06	0.50	1.36	2.44	3.61	4.60	5.18	5.20	4.65	3.66	2.46	1.32	0.47	0.07	0.00	0.00	35.6	0.00
60	0.00	0.00	0.27	1.19	2.66	4.78	7.29	9.58	11.0	11.1	9.78	7.51	4.95	2.77	1.24	0.32	0.01	0.00	74.5	39.9
50	0.00	0.03	0.54	1.84	4.18	7.86	12.5	17.3	20.5	20.7	17.8	13.1	8.37	4.57	2.05	0.66	0.05	0.00	132	115
40	0.00	0.07	0.79	2.52	5.94	11.7	20.1	29.7	36.5	37.1	31.1	21.6	12.8	6.66	2.88	0.95	0.12	0.00	220	208
30	0.00	0.11	0.98	3.10	7.69	16.2	30.0	45.7	56.9	58.2	48.6	32.8	18.2	8.73	3.66	1.19	0.18	0.00	332	322
20	0.00	0.14	1.10	3.51	9.02	20.2	38.6	58.8	73.5	75.9	63.6	42.9	23.2	10.5	4.25	1.36	0.23	0.00	427	418
10	0.00	0.14	1.12	3.61	9.46	21.7	42.0	64.3	81.8	85.2	70.9	48.0	26.0	11.6	4.56	1.47	0.26	0.00	472	463
0	0.00	0.12	1.07	3.42	8.98	20.5	39.7	61.4	78.3	81.5	68.1	46.0	24.9	11.2	4.47	1.45	0.26	0.00	451	442
-10	0.00	0.08	0.84	2.91	7.51	16.6	31.8	49.8	63.2	65.6	55.4	37.7	20.8	9.77	4.00	1.34	0.23	0.00	368	358
-20	0.00	0.02	0.48	2.03	5.29	11.5	21.8	34.0	43.1	44.8	37.9	26.3	15.1	7.50	3.23	1.12	0.17	0.00	254	242
-30	0.00	0.00	0.24	1.09	2.84	6.37	12.4	19.3	24.1	25.1	21.8	16.1	9.94	5.33	2.44	0.86	0.09	0.00	148	132
-40	0.00	0.00	0.11	0.81	1.85	3.19	5.51	9.67	11.9	12.4	11.2	8.84	5.96	3.47	1.69	0.53	0.04	0.00	77.2	50.2
-50	0.00	0.00	0.01	0.31	1.12	1.94	2.39	3.85	5.17	5.39	5.03	4.20	3.14	2.04	1.01	0.23	0.01	0.00	35.8	0.00
-60	0.00	0.00	0.00	0.02	0.29	0.69	0.99	1.48	2.06	2.18	2.10	1.82	1.39	0.88	0.34	0.04	0.00	0.00	14.3	0.00
-70	0.00	0.00	0.00	0.00	0.00	0.01	0.07	0.21	0.36	0.43	0.42	0.34	0.23	0.11	0.02	0.00	0.00	0.00	2.20	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	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
Φ t	0.00	0.71	7.61	26.9	68.5	146	270	411	515	533	450	312	178	86.8	36.4	11.6	1.64	0.00	3055	---
Φ a	0.00	0.00	0.00	0.93	44.4	127	252	394	498	516	433	295	159	64.4	6.67	0.00	0.00	0.00	---	2791

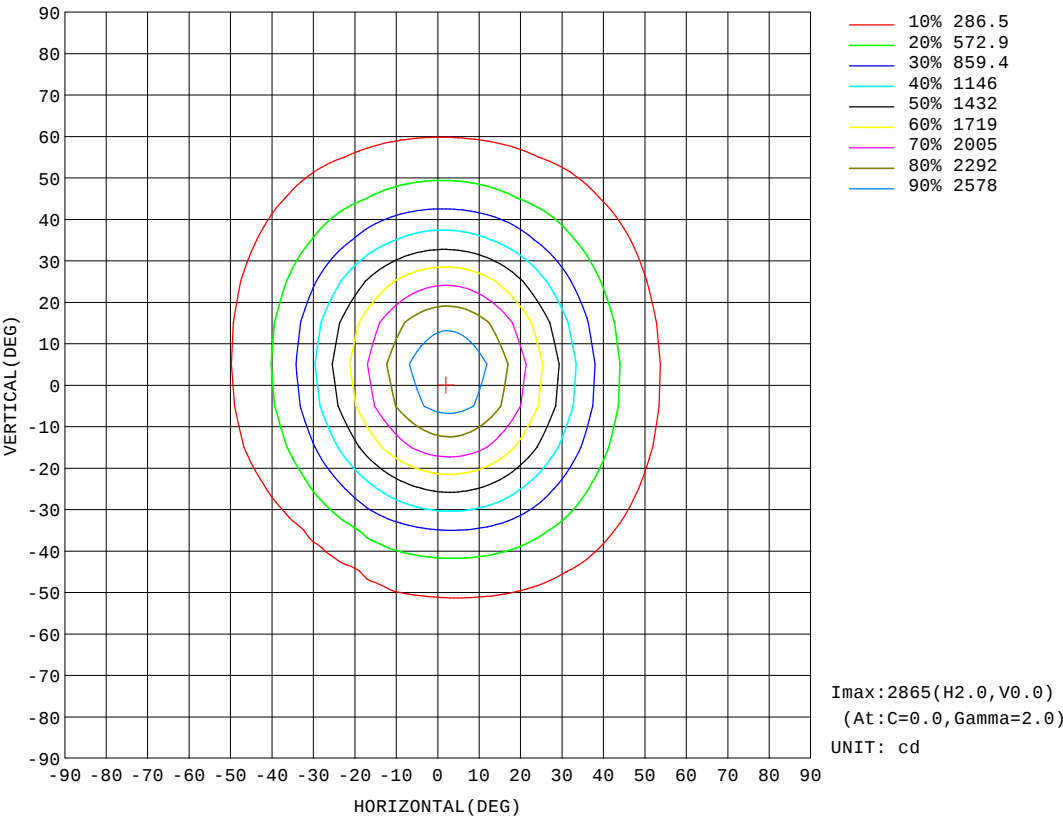
one-half-peak spread: U:25.9,D:33.0 , L:28.7,R:26.8 NEMA Beam Type: Type 6

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:29.2DEG
Operators:QC1
Test Date:2024-04-18

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:62%
Test Distance:8.300m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:221.0V I:0.2894A P:62.39W PF:0.9753 Lamp Flux:3054.52x1 lm		
NAME: 8.01.017.0049 60°LWW-WZB-W55-L12-RDM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:202404000042
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

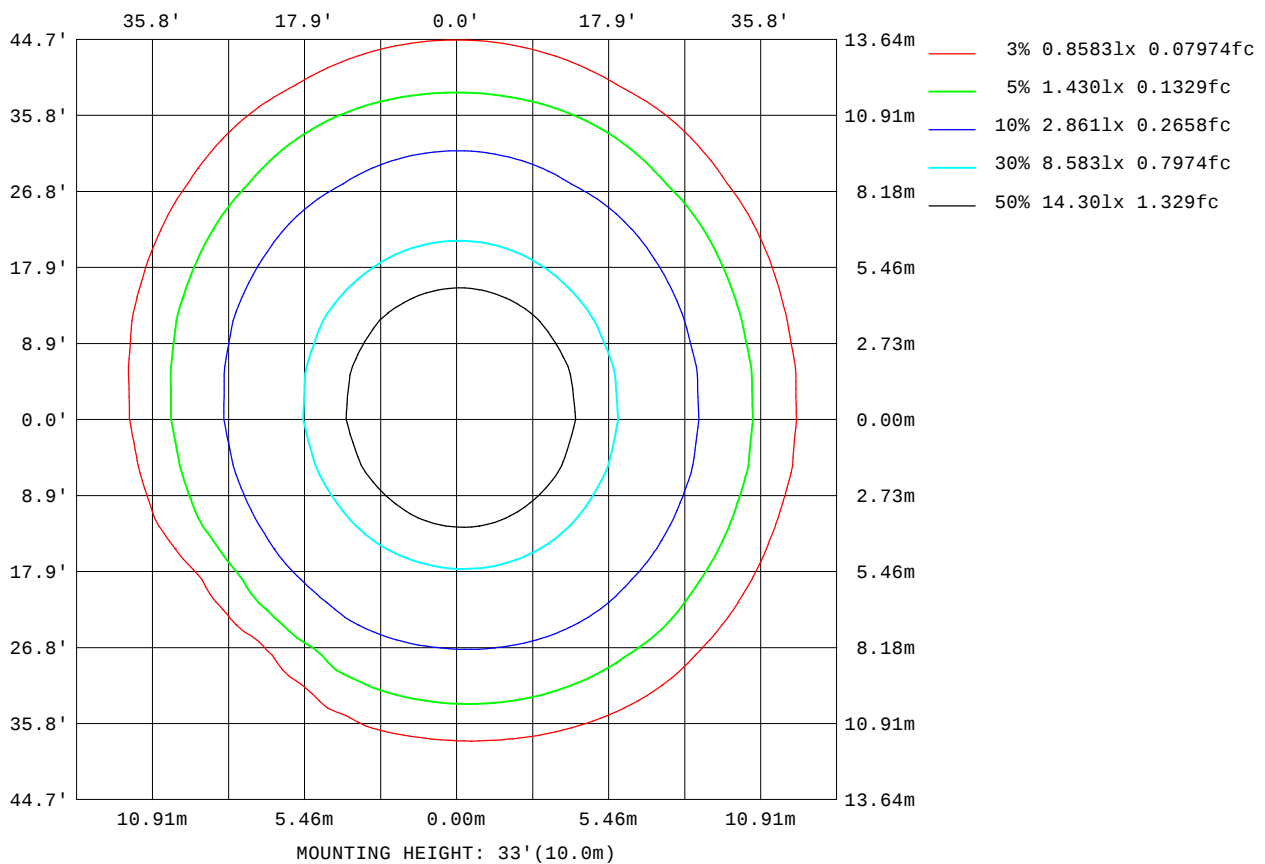


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V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:62%
Test Distance:8.300m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

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DIM.:	SPEC.:	SERIAL No.:202404000042
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

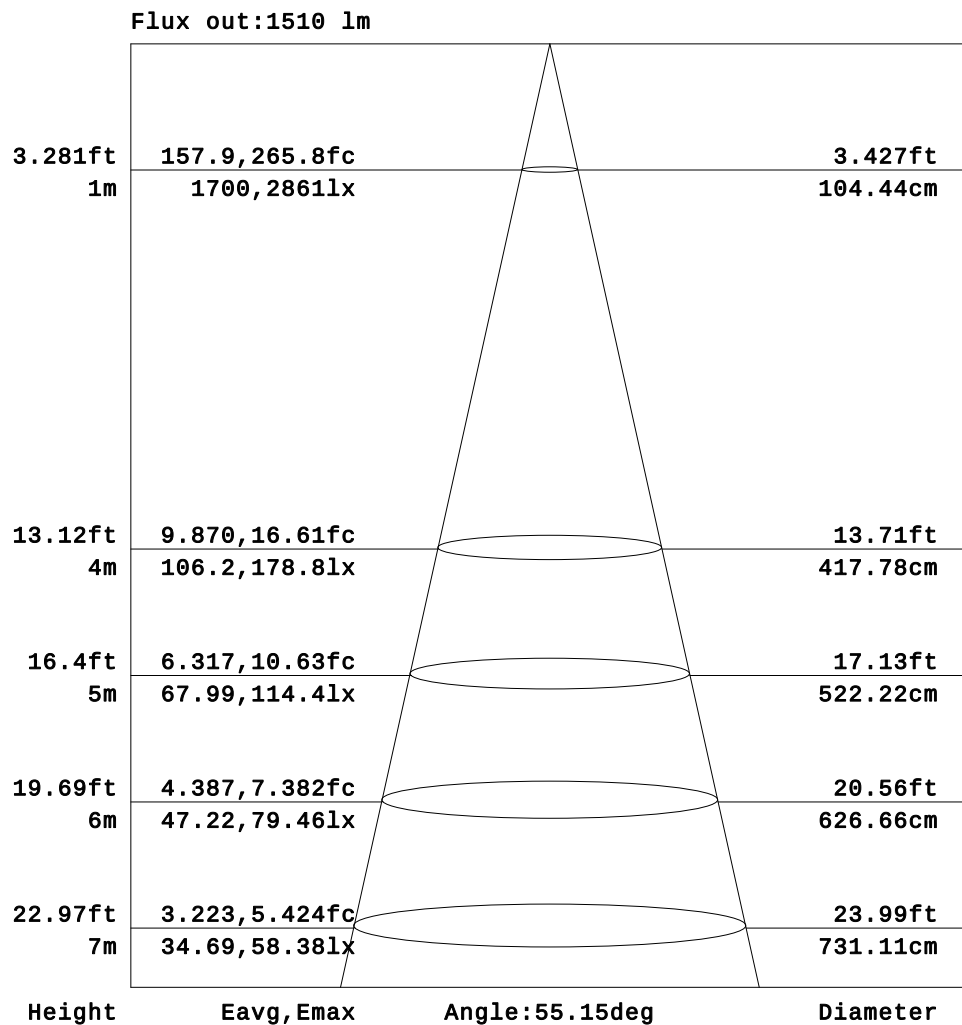


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:29.2DEG
Operators:QC1
Test Date:2024-04-18

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:62%
Test Distance:8.300m [K=1.0000]
Remarks:

AAI Figure

Test:U:221.0V I:0.2894A P:62.39W PF:0.9753 Lamp Flux:3054.52x1 lm		
NAME: 8.01.017.0049 60°LWW-WZB-W55-L12-RDM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:202404000042
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

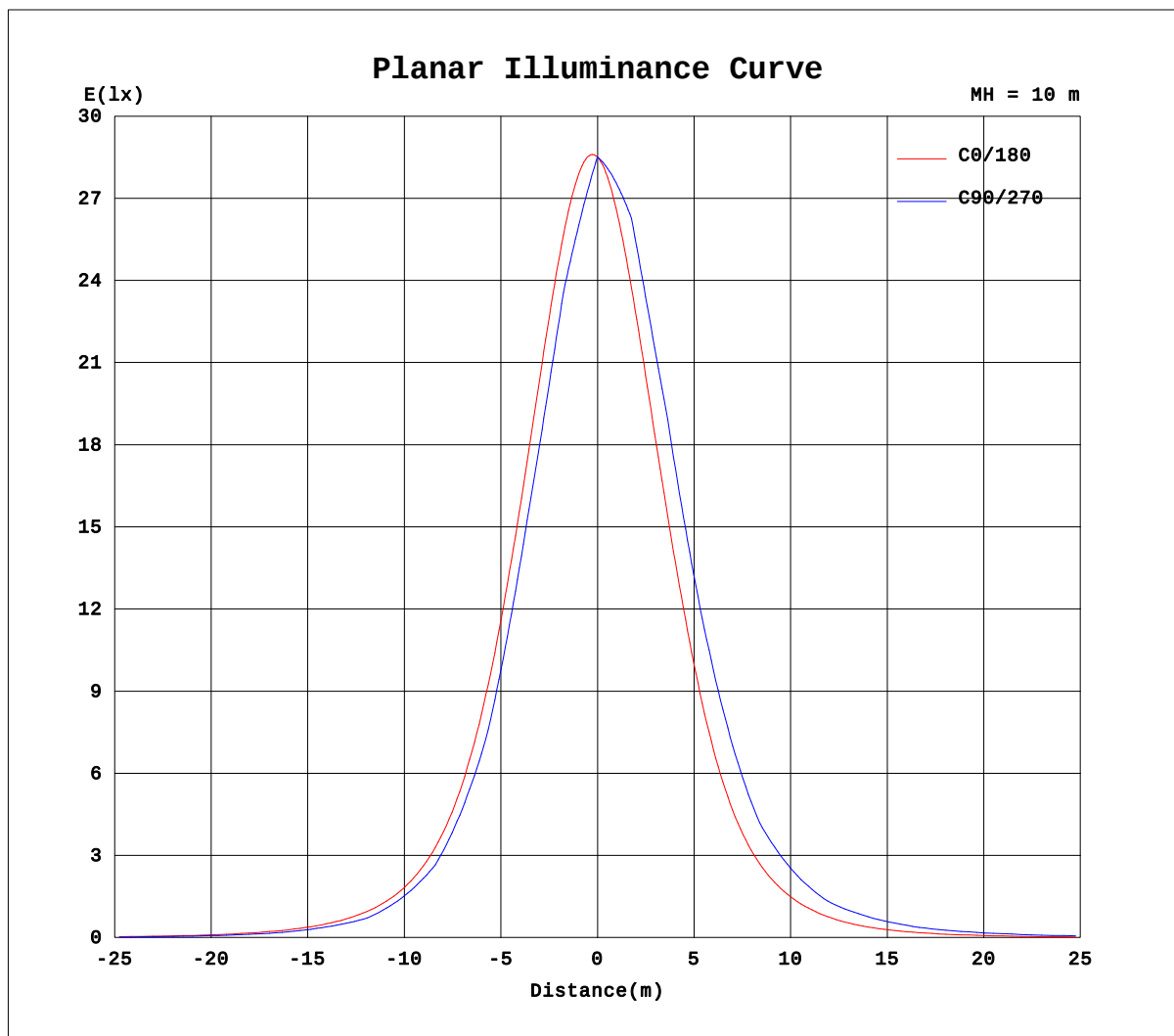


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:29.2DEG
Operators:QC1
Test Date:2024-04-18

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:62%
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: 29.2DEG
Operators: QC1
Test Date: 2024-04-18

V(β) Range: -80 - 80DEG
V(β) Interval: 5.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity: 62%
Test Distance: 8.300m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:221.0V I:0.2894A P:62.39W PF:0.9753 Lamp Flux:3054.52x1 lm		
NAME: 8.01.017.0049 60°LWW-WZB-W55-L12-RDM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:202404000042
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION 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	0.00	0.00	0.00	0.30	2.85	5.21	7.49	10.8	15.3	17.3	18.8
-70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.91	6.44	11.3	15.7	24.2	31.5	35.2	38.1
-65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	6.25	13.6	20.2	26.5	33.5	37.0	40.8	53.1	70.7	75.6	79.1
-60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.41	15.4	30.4	43.1	53.8	63.0	64.1	68.9	89.8	112	118	121
-55	0.00	0.00	0.00	0.00	0.00	0.00	3.82	13.4	30.9	48.9	64.7	78.0	90.4	94.7	108	142	179	190	197
-50	0.00	0.00	0.00	0.00	0.00	0.00	11.4	30.1	54.2	74.1	91.9	108	120	132	162	207	250	265	274
-45	0.00	0.00	0.00	0.00	0.00	4.71	19.4	41.6	64.3	87.0	112	134	163	208	264	338	388	416	433
-40	0.00	0.00	0.00	0.00	0.00	13.9	37.0	60.1	82.4	109	147	169	211	313	400	488	538	575	595
-35	0.00	0.00	0.00	0.00	0.01	15.7	38.3	62.2	90.7	134	183	244	335	441	553	668	751	816	854
-30	0.00	0.00	0.00	0.00	2.32	26.5	55.7	72.1	114	173	242	343	492	618	754	883	993	1077	1121
-25	0.00	0.00	0.00	0.00	8.71	32.1	61.4	103	152	225	314	431	590	761	947	1130	1288	1408	1476
-20	0.00	0.00	0.00	1.14	23.6	47.9	85.2	151	217	308	422	570	755	976	1216	1445	1637	1775	1842
-15	0.00	0.00	0.00	2.47	23.8	56.3	94.5	154	226	324	454	624	841	1099	1377	1643	1874	2051	2148
-10	0.00	0.00	0.00	10.1	37.1	78.3	121	183	270	388	547	757	1026	1332	1649	1942	2193	2378	2472
-5	0.00	0.00	0.00	5.55	35.9	74.7	118	179	265	385	547	765	1046	1370	1703	2020	2302	2525	2653
0	0.00	0.00	0.00	11.6	48.7	87.4	135	204	304	440	625	876	1192	1543	1889	2217	2511	2739	2857
5	0.00	0.00	0.00	7.17	41.5	79.1	124	190	282	409	582	816	1118	1462	1805	2128	2421	2657	2794
10	0.00	0.00	0.00	15.5	48.5	87.1	136	207	305	439	622	867	1179	1521	1854	2163	2435	2647	2755
15	0.00	0.00	0.00	8.43	40.1	77.0	122	185	272	392	550	763	1035	1347	1662	1954	2206	2402	2510
20	0.00	0.00	0.00	14.2	45.5	83.0	129	193	282	401	555	758	1013	1302	1592	1852	2066	2215	2282
25	0.00	0.00	0.00	6.01	34.2	68.7	110	165	241	340	465	626	830	1066	1313	1543	1737	1877	1946
30	0.00	0.00	0.00	8.15	35.8	69.7	110	164	235	324	434	570	737	929	1130	1317	1473	1578	1620
35	0.00	0.00	0.00	1.67	24.8	54.7	91.0	136	193	265	354	459	585	728	880	1025	1148	1236	1276
40	0.00	0.00	0.00	1.97	25.0	53.3	87.7	127	177	239	314	396	488	588	691	787	864	918	937
45	0.00	0.00	0.00	0.00	13.7	37.5	66.9	101	140	189	247	312	382	457	532	602	660	702	720
50	0.00	0.00	0.00	0.00	11.4	32.6	59.0	88.4	120	160	206	255	306	356	402	443	476	497	504
55	0.00	0.00	0.00	0.00	3.77	18.9	40.1	65.0	90.9	121	155	192	230	268	303	334	358	375	382
60	0.00	0.00	0.00	0.00	0.00	12.8	30.8	51.7	72.5	95.0	119	144	170	195	216	235	248	257	260
65	0.00	0.00	0.00	0.00	0.00	4.85	13.8	29.9	46.4	63.6	81.3	99.2	118	135	150	163	173	179	182
70	0.00	0.00	0.00	0.00	0.00	2.69	14.8	26.9	39.3	51.1	62.2	72.4	81.6	89.8	96.4	101	104	105	
75	0.00	0.00	0.00	0.00	0.00	0.41	6.08	12.3	18.4	24.4	31.1	38.0	44.3	49.9	54.5	57.9	59.9	60.8	
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.92	6.36	9.36	11.9	14.2	15.8	16.7	17.0
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
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Operators:QC1
Test Date:2024-04-18

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DIM.:	SPEC.:	SERIAL No.:202404000042
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION 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	19.7	19.9	19.6	18.8	17.6	16.0	14.0	11.6	8.92	5.95	1.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-70	39.6	39.7	38.9	37.2	34.5	31.2	27.2	22.2	16.7	10.4	2.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-65	80.8	81.0	79.6	76.6	72.1	66.5	59.8	52.1	43.3	33.9	21.4	10.5	4.70	0.00	0.00	0.00	0.00	0.00
-60	122	122	119	114	108	99.2	89.5	78.5	66.2	53.1	35.2	19.0	6.73	0.00	0.00	0.00	0.00	0.00
-55	199	198	191	181	168	152	135	117	99.0	79.7	59.7	37.2	19.1	5.98	0.00	0.00	0.00	0.00
-50	276	271	260	243	222	198	174	149	124	98.8	76.1	47.6	25.3	9.14	0.00	0.00	0.00	0.00
-45	437	428	407	376	338	296	250	206	167	131	99.6	70.7	41.6	18.4	2.69	0.00	0.00	0.00
-40	597	578	543	495	438	375	307	247	196	150	112	82.2	47.7	20.7	1.86	0.00	0.00	0.00
-35	860	833	776	698	608	510	412	326	254	192	141	102	67.0	34.5	8.99	0.00	0.00	0.00
-30	1118	1069	980	866	739	606	480	374	285	212	154	109	72.8	37.0	7.41	0.00	0.00	0.00
-25	1481	1421	1306	1150	972	788	617	471	354	260	186	130	88.0	51.4	19.2	0.01	0.00	0.00
-20	1829	1736	1576	1366	1131	899	690	517	380	275	194	132	88.4	51.8	18.9	0.00	0.00	0.00
-15	2153	2061	1886	1647	1374	1094	837	621	453	325	228	155	103	63.1	28.3	0.91	0.00	0.00
-10	2456	2329	2108	1822	1504	1182	890	652	468	332	229	154	101	59.7	24.3	0.00	0.00	0.00
-5	2658	2535	2307	2008	1671	1324	1000	728	520	367	255	172	112	68.1	31.1	1.72	0.00	0.00
0	2830	2664	2395	2063	1699	1331	991	712	503	352	244	162	103	60.9	24.5	0.01	0.00	0.00
5	2796	2658	2411	2097	1745	1382	1039	751	533	375	259	174	112	67.8	30.6	1.40	0.00	0.00
10	2728	2568	2310	1994	1645	1290	961	692	491	345	237	158	101	59.1	23.1	0.00	0.00	0.00
15	2506	2386	2170	1888	1568	1240	935	682	490	348	243	163	105	62.8	27.0	0.59	0.00	0.00
20	2255	2131	1926	1659	1359	1062	799	586	424	304	213	141	90.4	51.4	17.8	0.00	0.00	0.00
25	1936	1843	1679	1459	1210	962	737	552	407	296	210	142	91.8	53.5	20.7	0.01	0.00	0.00
30	1593	1500	1350	1163	960	766	594	453	341	250	176	119	76.7	41.7	11.8	0.00	0.00	0.00
35	1265	1203	1096	959	807	658	523	408	312	232	165	113	73.6	40.6	12.3	0.00	0.00	0.00
40	920	869	790	696	594	494	402	321	250	186	131	90.2	56.5	27.4	2.82	0.00	0.00	0.00
45	713	681	629	563	490	415	343	276	216	163	118	81.4	51.0	24.4	3.58	0.00	0.00	0.00
50	496	475	443	402	356	308	256	206	160	121	88.4	59.8	34.3	11.6	0.00	0.00	0.00	0.00
55	378	365	344	316	281	244	205	167	132	99.9	72.3	48.0	26.3	7.97	0.00	0.00	0.00	0.00
60	257	249	235	216	192	165	139	113	89.5	67.2	46.1	27.1	10.00	0.00	0.00	0.00	0.00	0.00
65	181	176	167	154	139	121	102	83.5	64.9	47.4	30.7	15.8	6.64	0.00	0.00	0.00	0.00	0.00
70	103	99.6	94.1	87.3	79.1	69.2	58.3	46.0	33.2	20.8	9.11	0.03	0.00	0.00	0.00	0.00	0.00	0.00
75	60.0	57.7	54.0	49.3	43.7	37.3	30.3	24.3	17.9	11.6	5.64	0.49	0.00	0.00	0.00	0.00	0.00	0.00
80	16.1	14.5	12.1	9.11	5.98	2.63	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:29.2DEG
Operators:QC1
Test Date:2024-04-18

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:62%
Test Distance:8.300m [K=1.0000]
Remarks: