

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

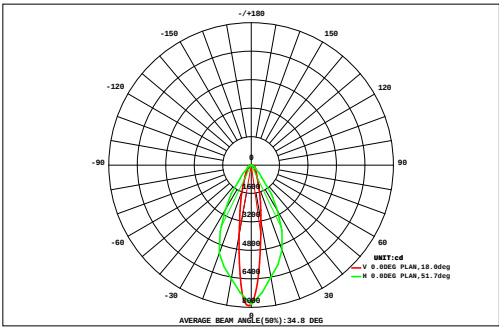
Maximum Intensity (Luminaire orientation as tested.)		2311.4 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of Imax	84.5V x 53.4H
	At 50% of Imax	50.9V x 18.0H
	At 90% of Imax	10.4V x 6.5H
Beam Flux	Total	999.5 lumens per klm.
	To 10% of Imax	724.3 lumens per klm.
	To 50% of Imax	320.5 lumens per klm.
	To 90% of Imax	32.9 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:2024-09-26

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.2V I:0.2906A P:62.34W PF:0.9741 Lamp Flux:3419.3x1 lm		
NAME: 8.01.017.0103 15x55° LWW-WZB-W55-L12-RDM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2024090120
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:



DATA OF LAMP		Eff:54.85lm/W	
MODELLWW-WZB-W55-L12-RDM	Imax(cd)	7903	
NOMINAL POWER(W)	62	AVAILABILITY(%)	72.8
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	2491
NOMINAL FLUX(lm)	3419.3	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	3419
TEST VOLTAGE(V)	220.2	θ @50%(H,V)	18,51DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm			Φ t	Φ a
	72	0.00	0.01	0.11	0.37	0.69	1.04	1.40	1.70	1.87	1.84	1.65	1.34	0.99	0.63	0.30	0.06	0.01	0.00	14.0	0.00
	64	0.01	0.18	0.57	1.13	1.80	2.47	3.08	3.55	3.81	3.79	3.51	3.03	2.42	1.71	1.05	0.51	0.13	0.00	32.8	0.00
	56	0.07	0.42	1.06	1.84	2.63	3.38	4.12	4.81	5.29	5.25	4.74	4.10	3.38	2.62	1.83	1.04	0.42	0.06	47.1	0.00
	48	0.17	0.70	1.51	2.43	3.39	4.49	5.87	7.94	11.3	11.1	7.69	5.78	4.48	3.41	2.45	1.51	0.71	0.17	75.0	6.05
	40	0.31	1.00	1.89	2.91	4.25	6.13	8.89	14.7	27.2	25.5	13.2	8.36	5.90	4.16	2.87	1.83	0.94	0.27	130	62.7
	32	0.42	1.17	2.17	3.49	5.39	8.18	12.7	25.6	58.2	51.2	21.0	11.6	7.74	5.18	3.39	2.12	1.14	0.39	221	158
	24	0.49	1.29	2.40	3.97	6.32	10.0	16.8	35.8	86.2	76.4	30.0	15.2	9.43	6.12	3.93	2.41	1.29	0.48	309	252
		0.52	1.36	2.57	4.31	6.91	11.4	21.3	45.9	103	98.3	42.0	20.0	11.1	6.91	4.35	2.63	1.42	0.55	385	333
		0.56	1.43	2.70	4.56	7.36	12.5	25.1	55.5	121	116	51.3	23.8	12.3	7.37	4.59	2.76	1.49	0.58	451	402
		0.60	1.50	2.80	4.73	7.67	13.3	27.4	61.3	132	118	51.5	23.6	12.1	7.30	4.56	2.74	1.46	0.55	473	424
		0.57	1.44	2.72	4.55	7.31	12.1	22.5	48.3	105	98.2	42.7	20.6	11.5	7.06	4.41	2.65	1.43	0.55	393	342
-24	0.49	1.31	2.48	4.09	6.46	10.1	16.6	34.3	84.9	83.3	33.9	16.9	10.2	6.49	4.10	2.51	1.34	0.50	320	263	
-32	0.39	1.16	2.18	3.58	5.55	8.37	12.8	23.7	55.4	57.5	25.3	13.3	8.63	5.64	3.67	2.30	1.23	0.44	231	169	
-40	0.28	0.98	1.92	3.08	4.62	6.69	9.57	15.7	29.5	29.3	15.7	9.75	6.81	4.65	3.17	2.01	1.05	0.31	145	76.3	
-48	0.16	0.77	1.65	2.60	3.74	5.15	6.84	8.98	10.6	9.57	8.11	6.55	5.05	3.73	2.66	1.63	0.76	0.14	78.7	3.16	
-56	0.04	0.42	1.21	2.11	3.03	3.81	4.37	4.65	4.41	4.57	4.77	4.38	3.79	3.07	2.17	1.23	0.45	0.05	48.5	0.00	
-64	0.00	0.13	0.60	1.31	2.10	2.85	3.50	3.99	4.27	4.29	3.99	3.46	2.79	2.05	1.31	0.66	0.17	0.02	37.5	0.00	
-72	0.00	0.02	0.15	0.51	0.95	1.40	1.83	2.18	2.38	2.40	2.19	1.83	1.39	0.92	0.51	0.19	0.04	0.00	18.9	0.00	
	-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL(DEG)				16	24	32	40	48	56	64	72	
Φ t	5.07	15.3	30.7	51.6	80.1	124	205	399	847	796	363	194	120	79.0	51.3	30.8	15.5	5.05	3411	---	
Φ a	0.00	0.00	0.00	0.00	0.00	17.2	130	346	807	756	310	115	10.3	0.00	0.00	0.00	0.00	0.00	---	2491	

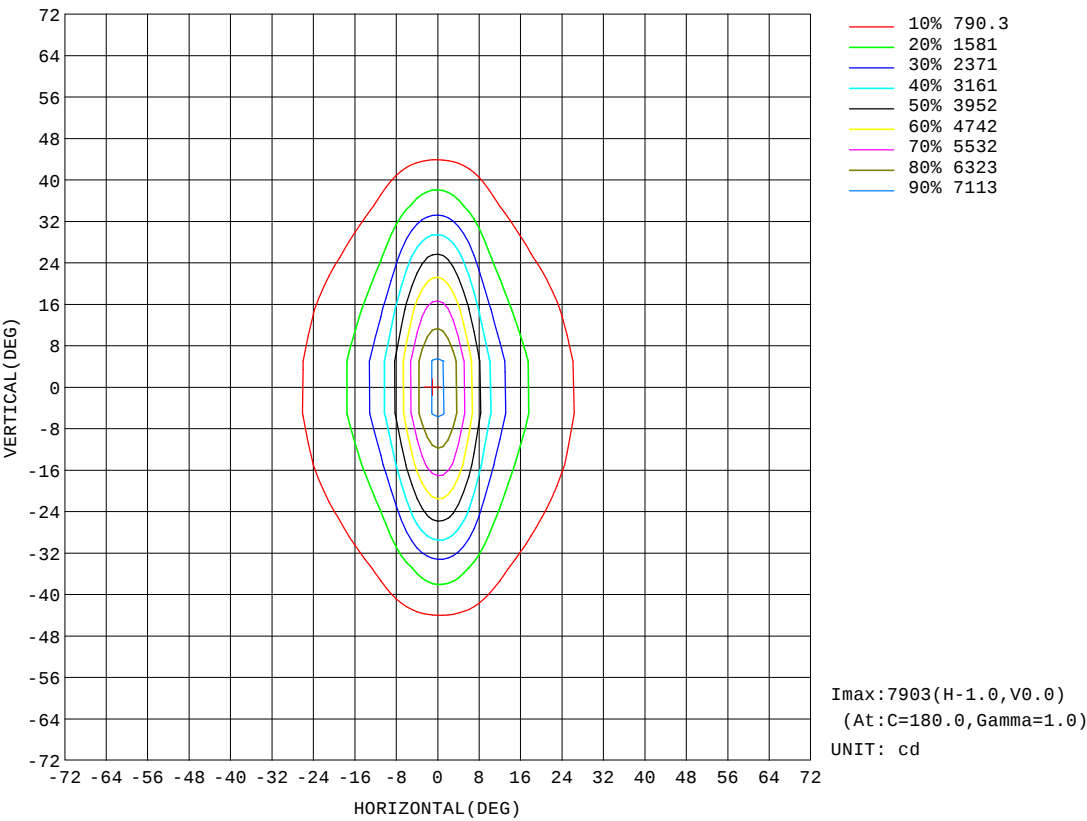
one-half-peak spread: U:25.6,D:25.7 , L:9.2,R:9.2 Beam Type: Type 4 x 5 (H x V)

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-09-26

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

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DIM.:	SPEC.:	SERIAL No.:2024090120
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

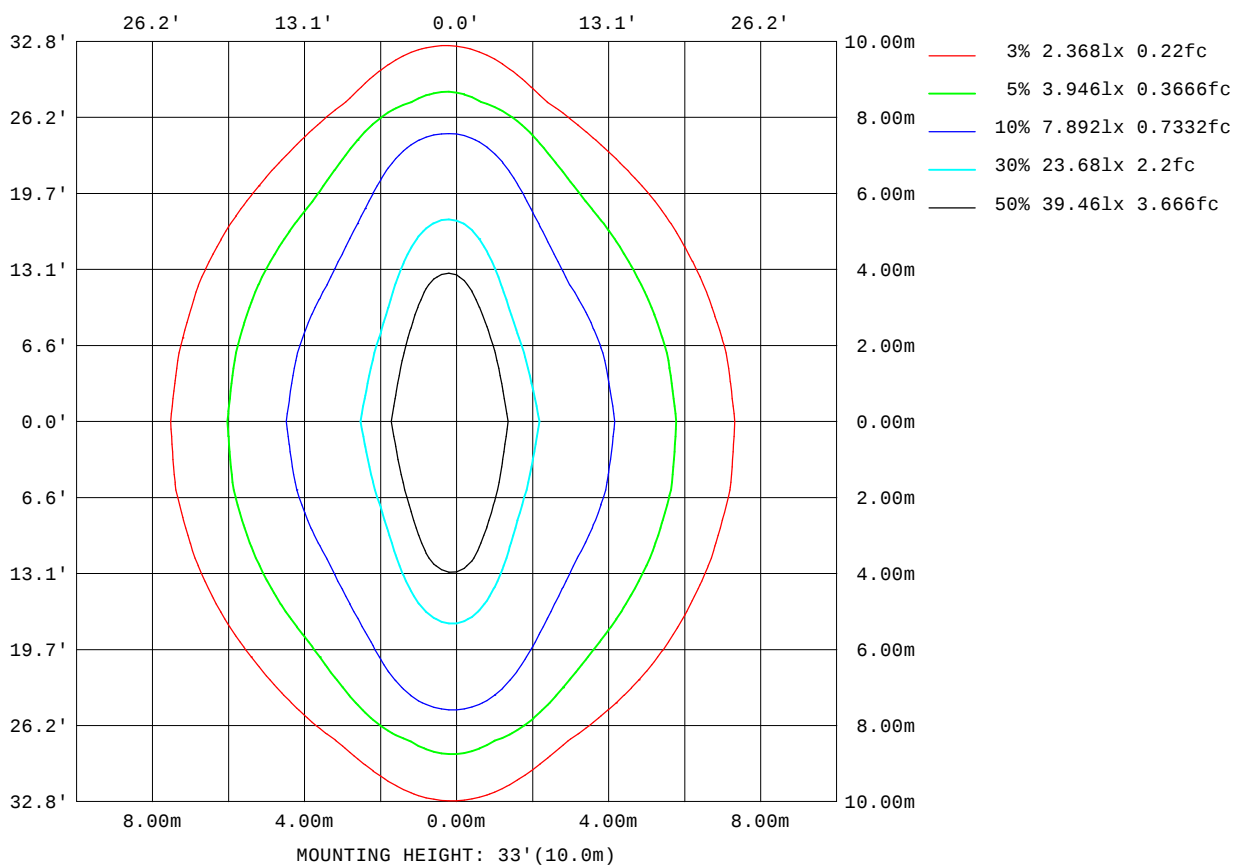


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ISOLUX DIAGRAM

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MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

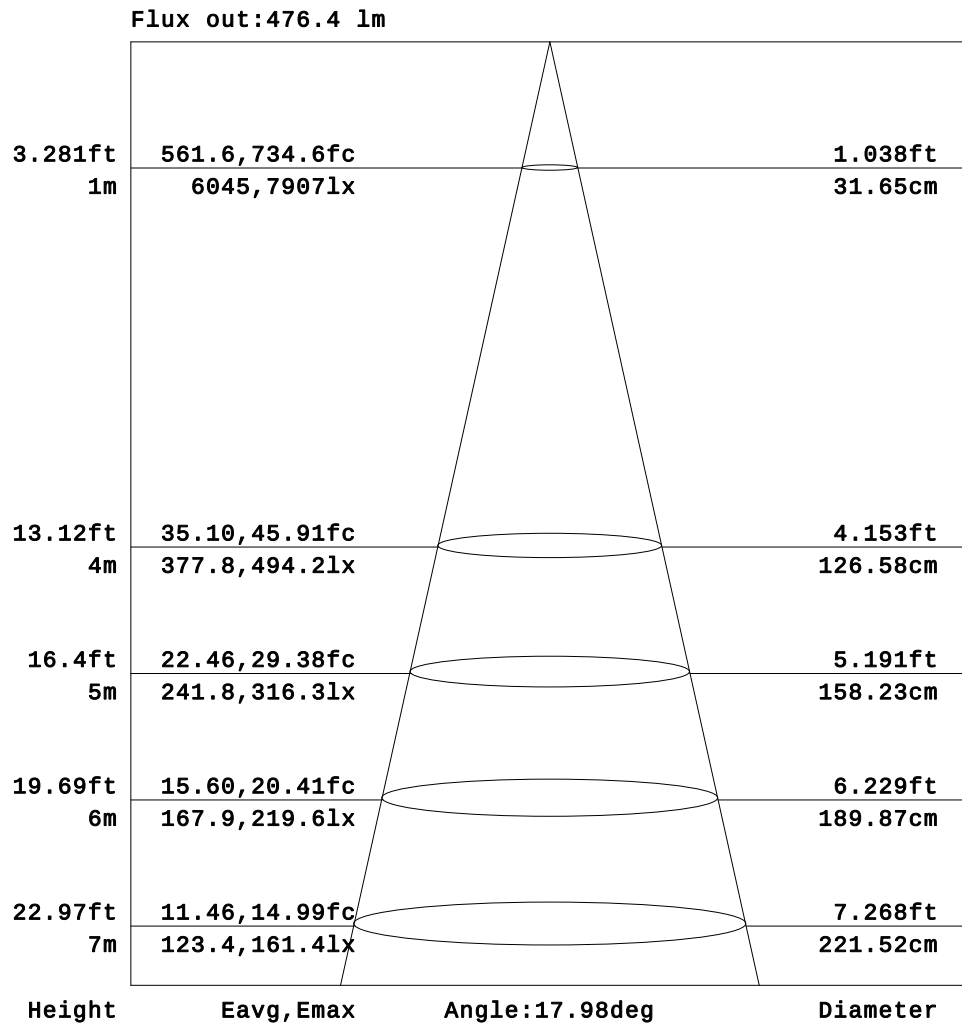


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H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
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Test Date:2024-09-26

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V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

AAI Figure

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DIM.:	SPEC.:	SERIAL No.:2024090120
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

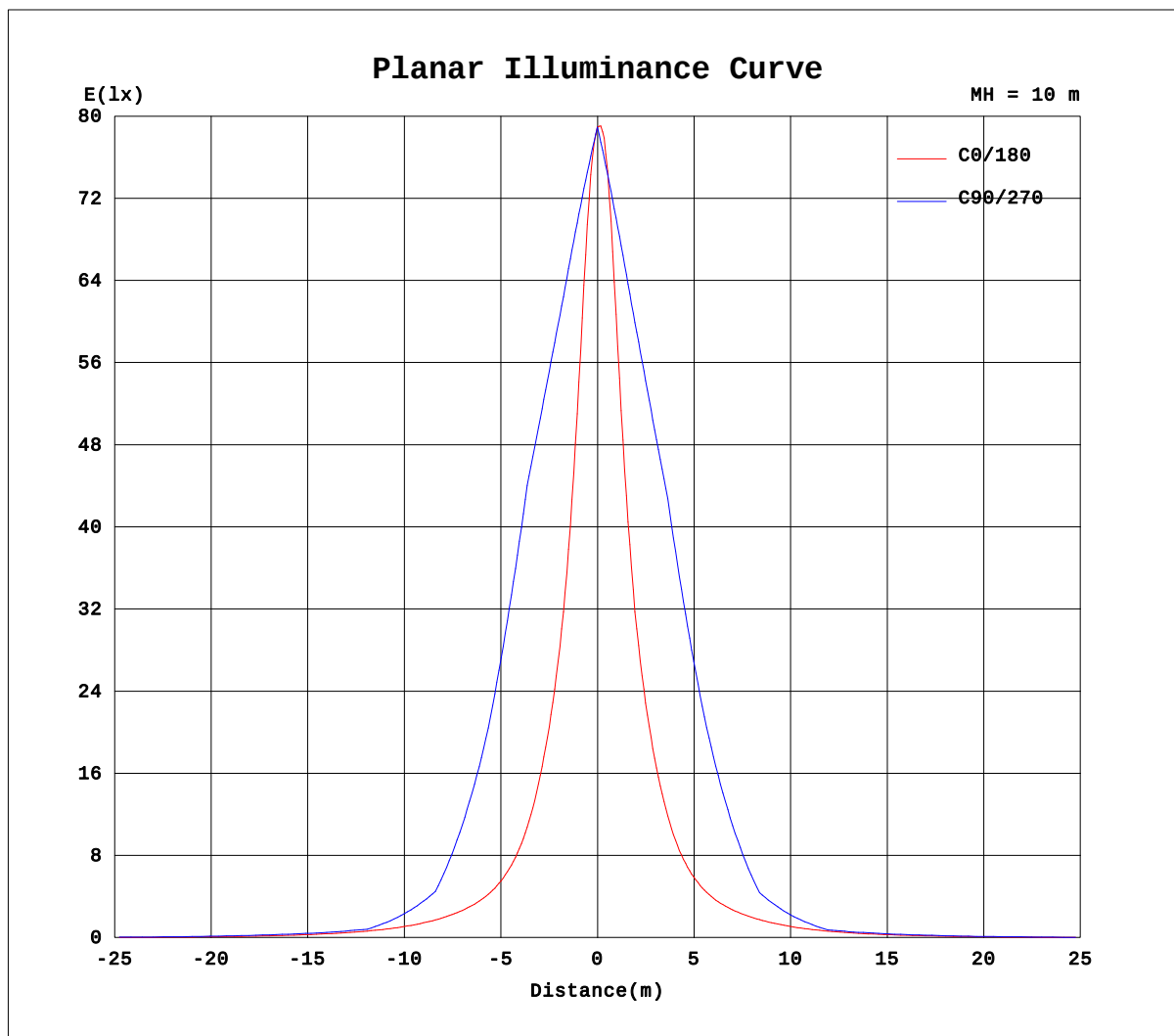


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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H(β) Interval: 1.0DEG
Test Speed: HIGH
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Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
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Remarks:

Planar Illuminance Curve



H(β) Range: -90 - 90DEG
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Test Speed: HIGH
Temperature: 28.0DEG
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Test Date: 2024-09-26

V(B) Range: -80 - 80DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity: 83%
Test Distance: 8.300m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

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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	0.20	2.92	5.01	5.83	
-75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.15	10.1	15.4	20.9	26.8	32.0	37.0	41.5	46.4	50.2	52.0	
-70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	9.22	22.6	33.3	44.5	55.8	66.1	75.9	84.6	91.7	96.5	98.3	
-65	0.00	0.00	0.00	0.00	0.00	0.00	5.69	15.6	32.4	52.6	71.8	89.1	105	119	132	143	152	157	160	
-60	0.00	0.00	0.00	0.00	0.00	0.62	15.4	36.8	64.0	91.2	118	141	161	178	193	205	214	220	222	
-55	0.00	0.00	0.00	0.00	0.00	8.06	28.2	56.1	89.1	117	146	171	194	212	228	243	256	266	271	
-50	0.00	0.00	0.00	0.00	0.92	20.7	51.5	88.9	126	156	184	212	235	252	269	286	303	316	320	
-45	0.00	0.00	0.00	0.00	5.46	29.6	64.7	102	139	169	202	235	271	307	349	401	477	590	664	
-40	0.00	0.00	0.00	0.00	15.7	50.2	92.8	132	167	195	231	272	321	377	448	541	693	910	1007	
-35	0.00	0.00	0.00	0.01	19.1	58.1	98.1	135	174	211	254	304	365	439	535	679	975	1561	1990	
-30	0.00	0.00	0.00	2.51	35.9	80.3	120	154	199	242	295	360	437	534	668	901	1447	2468	2973	
-25	0.00	0.00	0.00	4.59	36.5	78.9	120	160	205	253	311	382	471	591	762	1045	1689	3093	4135	
-20	0.00	0.00	0.00	15.7	55.0	94.3	138	183	230	285	354	436	548	706	942	1360	2365	4367	5267	
-15	0.00	0.00	0.00	11.0	49.2	90.6	134	182	230	287	357	444	563	744	1033	1532	2509	4493	5909	
-10	0.00	0.00	0.00	19.2	61.8	105	149	199	251	315	393	493	637	877	1278	1983	3273	5520	6486	
-5	0.00	0.00	0.00	14.2	54.3	98.3	142	190	242	304	381	477	617	855	1274	1996	3251	5609	7212	
0	0.00	0.00	0.00	22.8	64.9	109	153	201	255	321	403	509	672	965	1501	2392	3992	6747	7822	
5	0.00	0.00	0.00	14.3	53.9	97.2	141	188	239	300	376	471	610	848	1272	1999	3267	5642	7185	
10	0.00	0.00	0.00	19.9	60.3	103	146	194	245	308	383	480	624	862	1276	1993	3315	5580	6407	
15	0.00	0.00	0.00	11.2	48.3	90.3	132	176	223	279	347	432	549	730	1024	1536	2551	4571	5817	
20	0.00	0.00	0.00	15.4	53.0	94.3	135	177	222	275	343	424	534	692	930	1369	2431	4419	5084	
25	0.00	0.00	0.00	5.85	38.2	77.8	118	157	198	243	298	366	453	572	742	1035	1733	3200	4086	
30	0.00	0.00	0.00	7.29	38.8	77.5	117	153	191	231	280	339	414	510	641	887	1505	2594	2968	
35	0.00	0.00	0.00	1.19	24.4	58.4	96.2	133	167	201	239	284	340	409	501	648	978	1619	1991	
40	0.00	0.00	0.00	0.58	22.6	54.2	91.0	126	156	184	214	248	290	343	406	498	666	898	970	
45	0.00	0.00	0.00	0.00	9.70	34.6	65.8	99.3	130	158	185	212	241	274	314	365	448	571	637	
50	0.00	0.00	0.00	0.00	5.69	26.5	54.1	85.3	116	143	167	186	204	221	240	258	276	290	294	
55	0.00	0.00	0.00	0.00	1.06	11.5	31.7	56.2	81.5	106	129	149	167	185	201	217	231	242	246	
60	0.00	0.00	0.00	0.00	0.00	3.76	18.7	37.3	57.0	77.9	99.7	120	138	155	169	182	191	196	197	
65	0.00	0.00	0.00	0.00	0.00	0.62	7.68	16.7	30.4	45.0	60.3	75.0	88.7	102	113	123	131	136	138	
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	9.45	18.3	27.1	35.9	44.7	53.1	61.2	68.5	74.1	77.7	78.3	
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.85	8.25	12.7	17.1	21.5	25.7	29.8	33.6	36.6	38.6	39.2	
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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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	4.88	2.53	0.00	0.00	0.00	0.00	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	51.1	47.6	42.5	37.7	32.5	26.9	21.1	15.3	9.75	4.62	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-70	96.3	90.9	83.1	73.4	62.7	51.4	39.9	28.4	17.3	7.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-65	159	153	144	133	120	105	89.0	72.0	54.7	37.5	20.1	8.05	0.57	0.00	0.00	0.00	0.00	0.00
-60	220	212	201	187	171	152	131	109	85.1	60.9	34.4	12.2	0.02	0.00	0.00	0.00	0.00	0.00
-55	268	258	245	230	213	195	175	153	127	97.5	67.9	36.7	12.2	1.22	0.00	0.00	0.00	0.00
-50	314	300	283	265	248	230	211	188	157	123	88.3	49.7	18.1	0.38	0.00	0.00	0.00	0.00
-45	610	494	411	359	318	280	246	216	184	150	115	77.6	39.1	9.66	0.00	0.00	0.00	0.00
-40	861	649	515	434	372	315	268	232	199	163	128	90.1	46.3	11.1	0.00	0.00	0.00	0.00
-35	1685	1068	723	563	462	382	317	265	225	187	149	111	68.8	28.2	1.37	0.00	0.00	0.00
-30	2252	1300	847	646	518	420	343	282	235	195	156	116	74.0	30.4	0.08	0.00	0.00	0.00
-25	3305	1840	1105	798	618	491	395	321	263	216	174	132	89.8	46.1	7.60	0.00	0.00	0.00
-20	3718	1974	1201	866	661	519	415	334	271	220	175	131	88.2	43.9	6.19	0.00	0.00	0.00
-15	4684	2613	1565	1060	766	582	459	369	296	240	192	146	102	57.2	15.4	0.00	0.00	0.00
-10	4737	2692	1673	1111	784	589	464	372	297	239	190	144	98.3	52.7	11.2	0.00	0.00	0.00
-5	5659	3252	1993	1280	867	632	492	393	315	253	202	154	108	62.3	18.8	0.00	0.00	0.00
0	5487	3164	1969	1244	835	608	475	381	306	245	195	145	99.5	53.8	11.9	0.00	0.00	0.00
5	5578	3191	1962	1261	853	621	484	388	312	250	200	152	107	61.4	18.6	0.00	0.00	0.00
10	4569	2584	1620	1074	757	569	450	363	290	234	185	140	95.6	51.1	10.9	0.00	0.00	0.00
15	4431	2439	1478	1004	726	553	440	356	288	233	186	142	98.5	54.9	14.8	0.00	0.00	0.00
20	3381	1783	1100	798	612	485	393	321	261	212	169	126	84.0	41.7	5.67	0.00	0.00	0.00
25	3062	1642	995	725	566	455	372	305	251	206	166	125	84.7	43.6	8.39	0.00	0.00	0.00
30	2086	1143	749	578	470	388	320	265	221	183	146	109	68.9	30.0	1.22	0.00	0.00	0.00
35	1576	940	632	496	410	344	290	244	207	173	139	102	64.5	28.4	2.54	0.00	0.00	0.00
40	781	565	445	375	321	276	239	208	179	149	117	81.2	44.9	14.1	0.00	0.00	0.00	0.00
45	558	435	358	312	275	243	215	189	163	134	103	70.0	38.4	11.4	0.00	0.00	0.00	0.00
50	283	267	250	233	216	198	181	161	135	106	75.4	45.8	20.0	0.72	0.00	0.00	0.00	0.00
55	241	229	216	202	186	169	149	129	107	82.2	57.1	33.3	12.9	1.63	0.00	0.00	0.00	0.00
60	194	187	177	165	150	131	111	89.7	68.3	48.1	29.0	12.0	0.01	0.00	0.00	0.00	0.00	0.00
65	136	131	123	113	102	89.1	74.3	59.3	43.7	28.9	16.4	7.59	0.48	0.00	0.00	0.00	0.00	0.00
70	76.1	71.7	65.5	57.9	49.6	41.1	32.1	22.9	13.0	3.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	38.4	36.4	33.4	29.7	25.7	21.4	17.0	12.4	7.46	2.83	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:2024-09-26

V(β) Range:-80 - 80DEG
V(β) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks: