

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

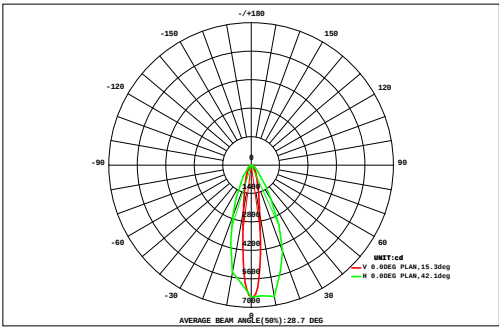
Maximum Intensity (Luminaire orientation as tested.)		2755.5 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of Imax	75.8V x 46.9H
	At 50% of Imax	42.1V x 15.5H
	At 90% of Imax	17.7V x 6.5H
Beam Flux	Total	999.8 lumens per klm.
	To 10% of Imax	705.3 lumens per klm.
	To 50% of Imax	331.6 lumens per klm.
	To 90% of Imax	80.7 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:2024-06-18

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:222.0V I:0.2865A P:61.46W PF:0.9664 Lamp Flux:2381.68x1 lm		
NAME: 8.01.017.0084 15x40° LWW-WZB-W55-L12-RDM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2024060057
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:



DATA OF LAMP		Eff:38.75lm/W	
MODELLWW-WZB-W55-L12-RDM	Imax(cd)	6563	
NOMINAL POWER(W)	62	AVAILABILITY(%)	70.7
RATED VOLTAGE(V)	222	Avai. FLUX(lm)	1683
NOMINAL FLUX(lm)	2381.68	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	2382
TEST VOLTAGE(V)	222.0	θ @50%(H,V)	15,42DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm			Φ t	Φ a
	72	0.00	0.01	0.14	0.40	0.70	1.01	1.28	1.50	1.64	1.63	1.50	1.29	1.01	0.70	0.40	0.14	0.01	0.00	13.3	0.00
	64	0.00	0.15	0.49	0.92	1.38	1.83	2.23	2.56	2.77	2.77	2.57	2.25	1.85	1.37	0.90	0.48	0.16	0.00	24.7	0.00
	56	0.05	0.31	0.77	1.33	1.94	2.58	3.24	3.95	4.54	4.55	3.98	3.30	2.63	1.97	1.36	0.80	0.35	0.06	37.7	0.00
	48	0.11	0.48	1.05	1.72	2.49	3.40	4.57	6.29	8.59	8.71	6.48	4.77	3.55	2.58	1.77	1.08	0.53	0.14	58.3	0.60
	40	0.20	0.65	1.31	2.11	3.11	4.44	6.53	10.6	18.0	18.2	10.8	6.77	4.61	3.20	2.12	1.29	0.65	0.20	94.8	38.5
	32	0.25	0.75	1.47	2.44	3.72	5.61	9.05	17.8	37.7	37.5	17.9	9.47	5.87	3.84	2.50	1.52	0.78	0.27	158	110
	24	0.29	0.83	1.60	2.68	4.26	6.80	12.0	26.8	70.7	72.5	28.8	13.2	7.42	4.60	2.87	1.70	0.88	0.32	258	214
		0.31	0.86	1.66	2.82	4.57	7.57	14.0	31.7	90.6	103	39.4	17.1	8.87	5.16	3.11	1.82	0.95	0.37	334	293
		0.33	0.89	1.70	2.89	4.72	7.95	15.1	34.0	97.9	114	43.2	18.5	9.37	5.31	3.16	1.84	0.97	0.37	362	322
		0.34	0.92	1.73	2.90	4.70	7.87	14.8	33.0	92.8	101	37.9	16.5	8.54	4.95	3.00	1.75	0.91	0.34	334	293
		0.31	0.85	1.63	2.72	4.26	6.72	11.7	25.5	72.6	84.5	32.0	13.9	7.55	4.57	2.82	1.67	0.87	0.33	275	231
-24	0.25	0.75	1.46	2.40	3.70	5.59	8.80	16.5	38.4	48.0	22.4	10.6	6.24	4.03	2.60	1.56	0.81	0.29	174	127	
-32	0.16	0.62	1.25	2.08	3.11	4.51	6.59	10.6	19.9	23.9	13.7	7.67	4.96	3.38	2.24	1.37	0.72	0.24	107	53.9	
-40	0.08	0.47	1.03	1.73	2.56	3.57	4.86	6.62	8.98	9.44	7.23	5.20	3.78	2.72	1.83	1.13	0.57	0.15	61.9	0.82	
-48	0.03	0.30	0.81	1.37	2.04	2.76	3.47	4.13	4.42	4.14	3.94	3.41	2.76	2.09	1.42	0.86	0.37	0.05	38.4	0.00	
-56	0.00	0.11	0.48	0.96	1.47	1.90	2.25	2.52	2.63	2.63	2.54	2.26	1.89	1.47	1.03	0.59	0.20	0.02	25.0	0.00	
-64	0.00	0.01	0.16	0.49	0.81	1.14	1.42	1.64	1.79	1.82	1.68	1.46	1.19	0.87	0.56	0.27	0.06	0.01	15.4	0.00	
-72	0.00	0.00	0.02	0.10	0.23	0.40	0.56	0.69	0.78	0.80	0.73	0.61	0.46	0.30	0.15	0.06	0.01	0.00	5.89	0.00	
	-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL(DEG)					16	24	32	40	48	56	64	72
Φ t	2.71	8.96	18.7	32.1	49.8	75.7	122	236	575	639	277	138	82.5	53.1	33.8	19.9	9.81	3.18	2377	---	
Φ a	0.00	0.00	0.00	0.00	0.00	0.00	48.6	188	536	600	233	75.8	1.91	0.00	0.00	0.00	0.00	0.00	---	1683	

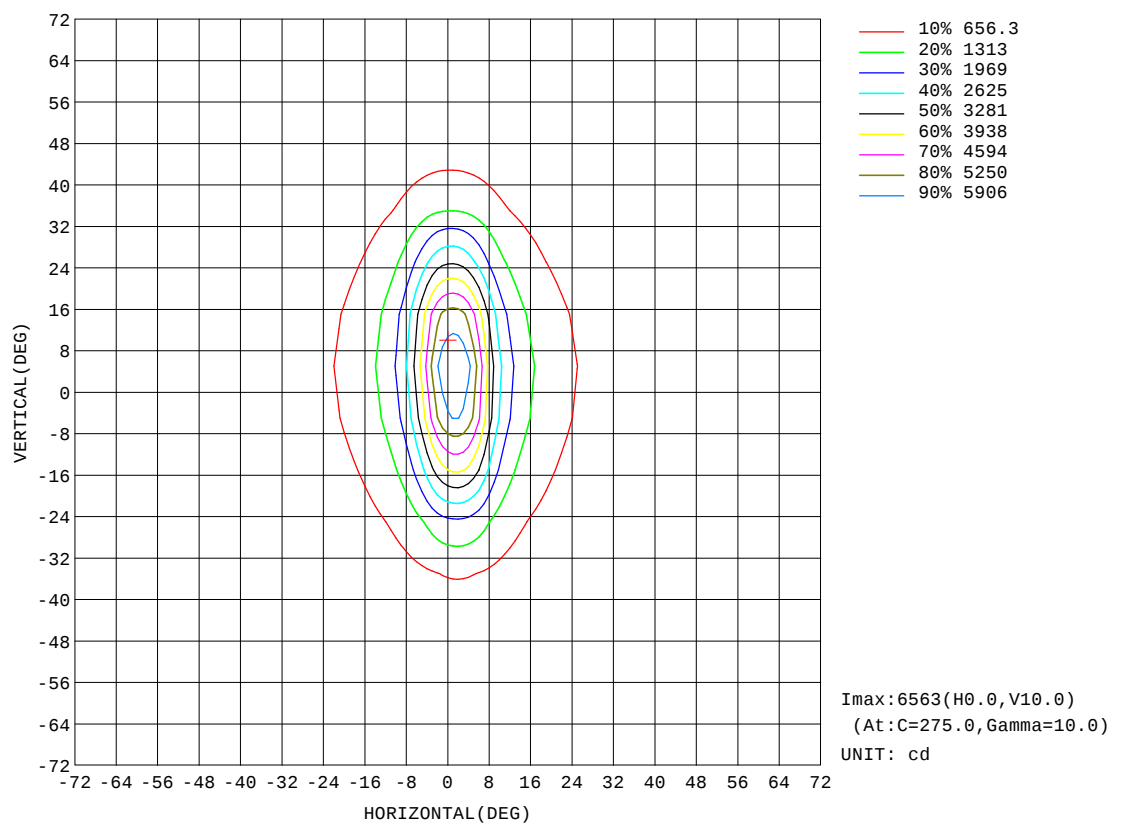
one-half-peak spread: U:27.5,D:14.9 , L:7.7,RNEMA Beam Type: Type 4 x 5 (H x V)

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-06-18

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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NAME: 8.01.017.0084 15x40° LWW-WZB-W55-L12-RDM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2024060057
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

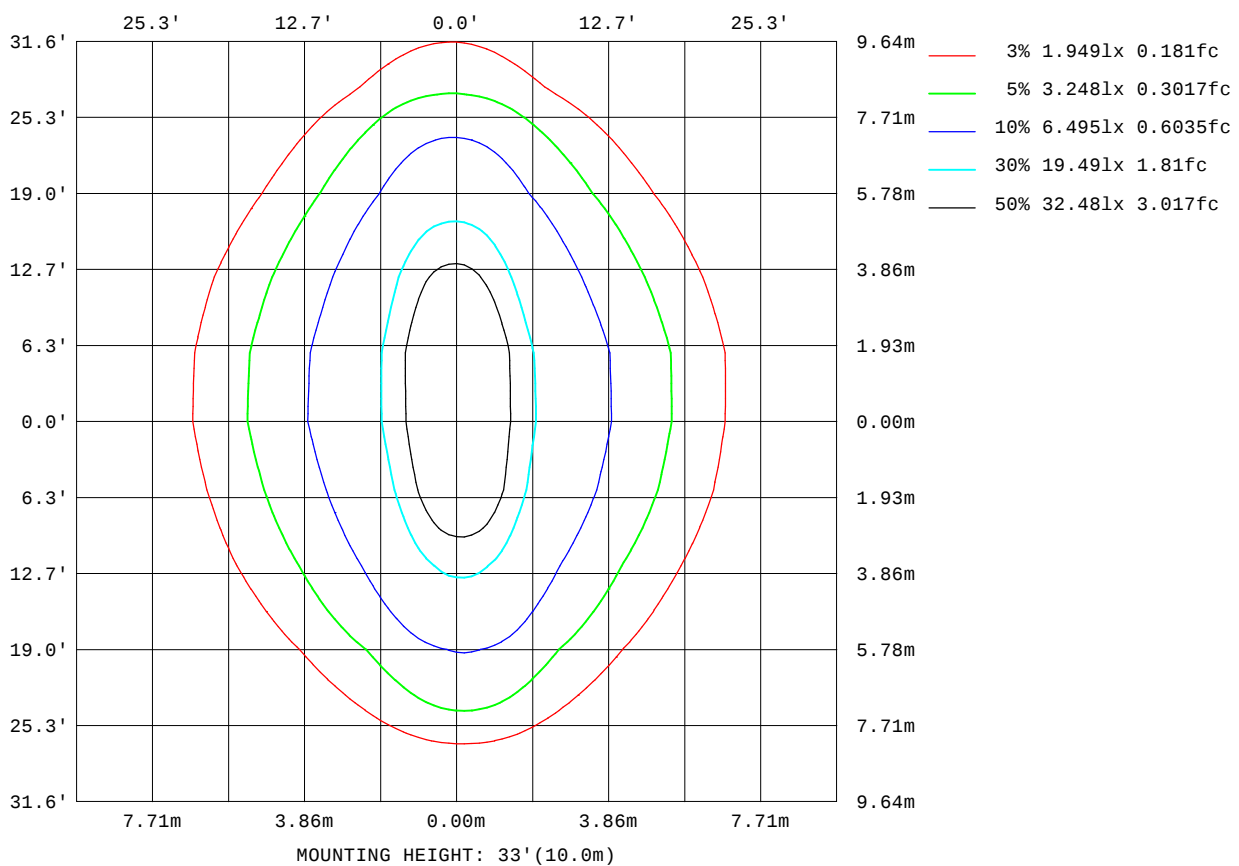


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Remarks:

ISOLUX DIAGRAM

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DIM.:	SPEC.:	SERIAL No.:2024060057
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

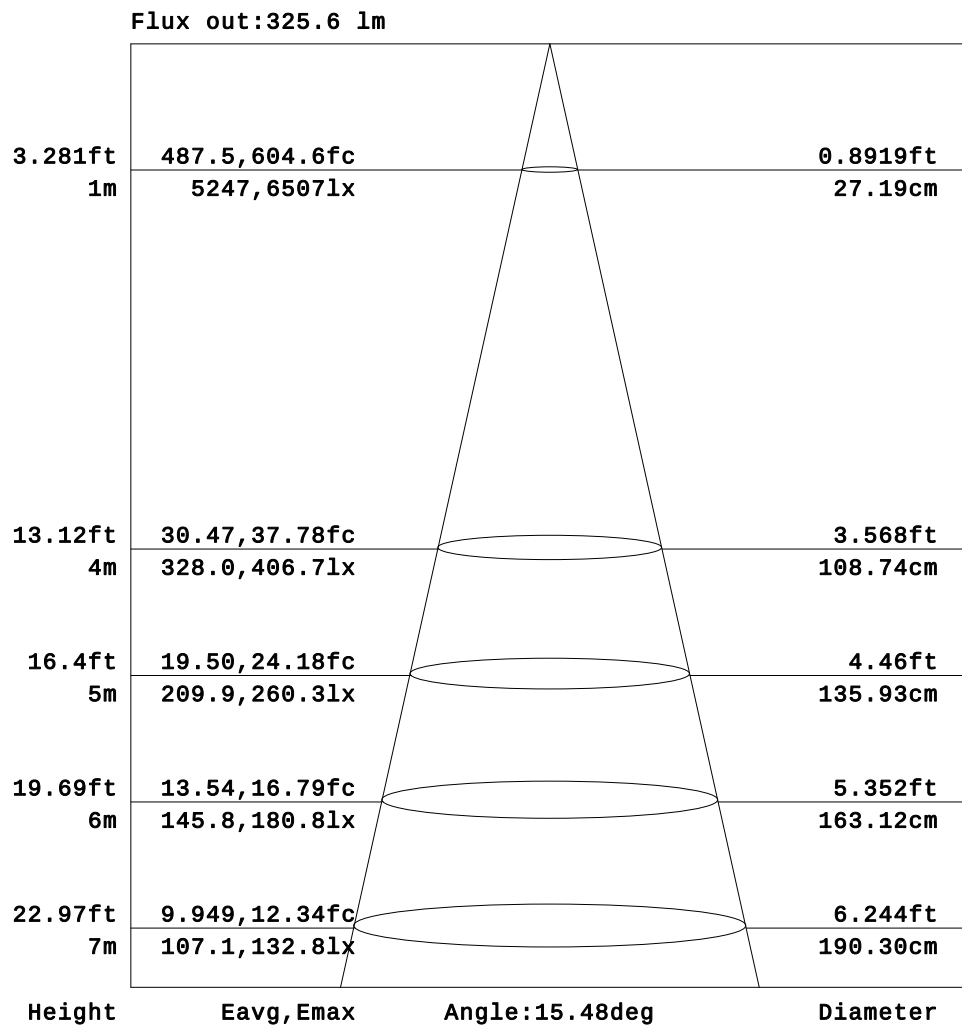


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H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-06-18

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:

AAI Figure

Test:U:222.0V I:0.2865A P:61.46W PF:0.9664 Lamp Flux:2381.68x1 lm		
NAME: 8.01.017.0084 15x40° LWW-WZB-W55-L12-RDM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2024060057
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

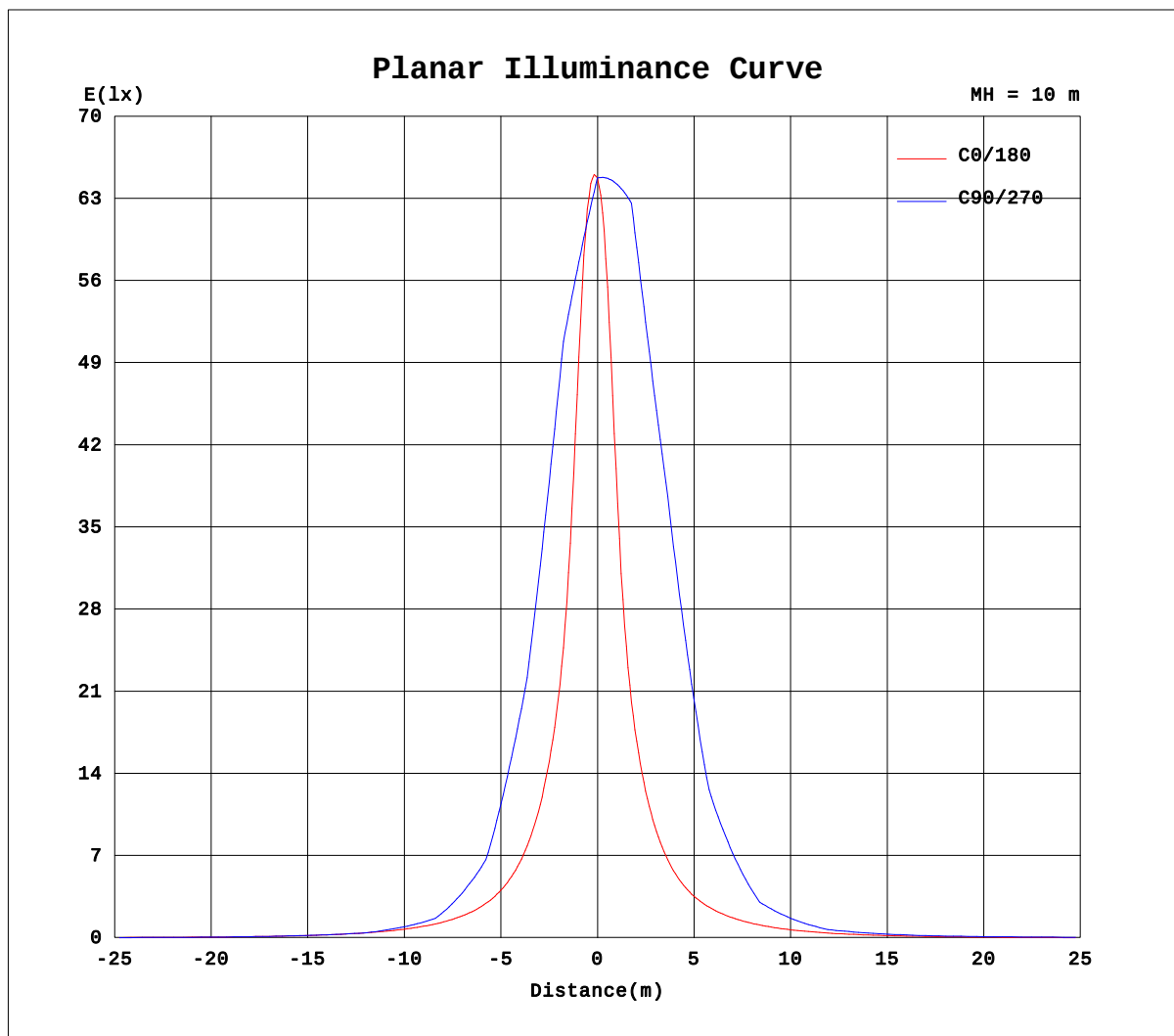


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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H(β) Interval: 1.0DEG
Test Speed: HIGH
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Operators:QC1
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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:

Planar Illuminance Curve



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Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

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DIM.:									SPEC.:			SERIAL No.:2024060057					
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	0.75	3.13	5.43	7.61	9.51	11.1	12.5	13.6	14.3
-70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.35	7.19	11.9	16.0	19.7	22.9	25.5	27.5	28.7
-65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.45	8.74	15.9	22.2	29.6	36.8	42.9	48.3	52.8	56.5	59.4	61.3
-60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.56	19.5	34.6	45.0	55.1	64.3	72.1	78.8	84.3	88.7	92.2	94.2
-55	0.00	0.00	0.00	0.00	0.00	0.06	6.23	17.3	34.7	50.8	64.8	78.1	89.6	99.2	108	115	122	127	130
-50	0.00	0.00	0.00	0.00	0.00	1.32	15.3	34.0	56.5	72.4	90.1	106	119	130	140	149	158	164	167
-45	0.00	0.00	0.00	0.00	0.00	6.52	23.4	45.0	67.4	86.5	107	125	143	162	180	199	222	248	267
-40	0.00	0.00	0.00	0.00	0.42	17.1	39.5	66.3	87.3	107	131	151	175	202	227	258	297	341	371
-35	0.00	0.00	0.00	0.00	2.92	21.8	46.4	71.2	96.3	119	145	169	198	234	275	330	413	549	690
-30	0.00	0.00	0.00	0.00	9.70	37.7	62.8	85.7	115	140	168	198	235	281	341	430	575	825	1033
-25	0.00	0.00	0.00	0.00	13.5	38.8	66.5	91.9	120	148	180	216	260	317	398	529	769	1267	1824
-20	0.00	0.00	0.00	1.46	26.3	49.9	80.0	107	136	168	205	249	306	380	496	702	1107	1979	2686
-15	0.00	0.00	0.00	0.91	24.0	51.1	79.4	107	138	172	211	259	320	408	547	793	1291	2483	3937
-10	0.00	0.00	0.00	4.96	32.1	60.9	89.8	119	152	190	234	290	365	480	673	1026	1785	3702	5351
-5	0.00	0.00	0.00	2.97	28.5	57.2	86.5	116	149	187	232	290	371	492	698	1062	1786	3627	5820
0	0.00	0.00	0.00	8.87	36.0	65.3	94.9	125	160	200	250	319	416	569	836	1306	2246	4665	6491
5	0.00	0.00	0.00	3.63	29.5	58.4	88.0	118	152	191	239	303	392	529	765	1182	2010	4136	6447
10	0.00	0.00	0.00	7.81	34.4	63.4	92.9	123	159	200	250	317	413	563	824	1296	2310	4850	6563
15	0.00	0.00	0.00	2.46	27.2	55.3	84.3	114	147	185	230	288	368	486	687	1052	1807	3669	5496
20	0.00	0.00	0.00	5.83	30.9	58.9	87.4	117	149	186	230	287	362	472	661	1021	1800	3528	4525
25	0.00	0.00	0.00	0.90	21.9	48.1	75.6	104	134	168	205	250	310	392	524	764	1249	2309	3218
30	0.00	0.00	0.00	1.47	23.0	48.3	74.8	102	131	163	196	236	286	353	459	648	1006	1626	1939
35	0.00	0.00	0.00	0.01	14.1	37.2	62.3	88.8	116	143	171	203	242	291	363	481	686	1046	1307
40	0.00	0.00	0.00	0.00	14.1	36.0	60.1	86.1	111	134	158	185	215	253	305	378	484	622	680
45	0.00	0.00	0.00	0.00	5.23	23.6	44.9	68.5	91.6	113	135	157	180	208	241	287	347	426	474
50	0.00	0.00	0.00	0.00	2.42	19.4	38.7	60.7	81.1	101	119	137	155	174	194	216	239	260	268
55	0.00	0.00	0.00	0.00	0.21	8.18	23.7	42.5	61.0	78.6	95.7	111	126	141	155	170	186	199	206
60	0.00	0.00	0.00	0.00	0.00	2.35	15.7	32.1	47.8	63.5	78.5	91.5	103	114	123	131	138	142	144
65	0.00	0.00	0.00	0.00	0.00	0.28	6.41	14.7	27.4	39.7	51.7	62.7	72.5	81.4	89.2	95.9	102	106	108
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.55	11.9	20.8	29.5	37.8	45.5	52.4	58.4	63.4	67.4	70.6	71.6
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40	5.06	9.49	13.9	18.1	22.0	25.6	28.8	32.3	35.3	37.7	38.8
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	0.60	2.61	4.29	5.53	5.96
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	0.00	0.00	0.00	0.00	0.00	0.00	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	14.2	13.5	12.3	10.9	9.26	7.38	5.30	3.01	0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-70	28.3	26.6	24.1	21.2	17.8	14.0	9.72	5.08	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-65	60.9	58.5	55.0	50.9	46.1	40.5	34.2	27.2	19.8	13.9	7.91	1.83	0.00	0.00	0.00	0.00	0.00	0.00	
-60	92.9	89.2	84.4	78.9	72.3	64.6	55.9	46.5	36.3	25.7	13.2	1.74	0.00	0.00	0.00	0.00	0.00	0.00	
-55	129	125	118	111	102	92.9	82.6	71.4	59.3	46.0	31.0	15.0	4.82	0.00	0.00	0.00	0.00	0.00	
-50	165	158	149	139	128	117	105	91.6	77.2	60.6	42.8	22.7	7.03	0.00	0.00	0.00	0.00	0.00	
-45	263	238	212	189	169	152	134	115	96.9	78.9	59.6	38.8	18.0	3.27	0.00	0.00	0.00	0.00	
-40	353	306	265	231	203	179	157	132	110	89.6	68.6	46.8	22.0	3.37	0.00	0.00	0.00	0.00	
-35	668	509	385	309	257	217	186	157	130	106	83.9	60.9	36.3	13.5	0.06	0.00	0.00	0.00	
-30	930	650	469	363	291	242	204	171	141	114	90.0	65.8	41.4	15.5	0.00	0.00	0.00	0.00	
-25	1708	1067	672	476	363	290	239	198	163	132	104	77.6	51.6	25.5	3.28	0.00	0.00	0.00	
-20	2264	1271	777	535	400	316	257	210	172	138	107	79.0	51.6	25.4	2.04	0.00	0.00	0.00	
-15	3601	1917	1074	698	494	372	294	235	190	152	119	89.3	61.0	33.7	8.78	0.00	0.00	0.00	
-10	4327	2079	1177	760	529	392	305	240	192	152	118	88.2	59.3	31.5	6.47	0.00	0.00	0.00	
-5	5178	2591	1437	905	613	441	335	261	207	164	128	96.5	66.8	38.1	11.8	0.00	0.00	0.00	
0	5017	2435	1425	906	613	439	331	259	204	161	124	92.6	62.5	33.8	7.60	0.00	0.00	0.00	
5	5604	2765	1560	982	659	468	351	272	214	169	131	99.1	68.6	39.3	12.4	0.00	0.00	0.00	
10	5026	2401	1402	899	612	442	335	259	205	161	125	93.2	62.7	33.7	7.58	0.00	0.00	0.00	
15	4674	2351	1334	857	590	431	331	260	207	164	127	95.7	65.6	36.9	10.7	0.00	0.00	0.00	
20	3346	1726	1025	683	490	374	296	237	190	151	117	86.0	56.7	29.0	4.43	0.00	0.00	0.00	
25	2700	1497	903	614	449	349	279	226	184	148	116	86.2	57.8	30.8	6.71	0.00	0.00	0.00	
30	1539	949	637	464	361	290	238	197	163	132	103	74.9	47.8	22.4	1.22	0.00	0.00	0.00	
35	1141	761	534	403	321	264	220	184	152	124	97.6	71.4	45.8	21.8	2.25	0.00	0.00	0.00	
40	588	458	367	303	255	217	186	158	130	106	81.9	57.5	33.7	12.2	0.00	0.00	0.00	0.00	
45	437	360	300	255	220	191	165	142	118	96.5	74.4	52.0	30.1	10.5	0.01	0.00	0.00	0.00	
50	256	235	213	192	173	154	135	116	97.7	78.3	58.1	37.4	18.1	1.62	0.00	0.00	0.00	0.00	
55	201	189	175	160	146	131	115	98.6	82.0	64.7	47.2	29.6	12.9	2.33	0.00	0.00	0.00	0.00	
60	142	137	130	122	113	102	88.5	74.4	59.5	44.0	29.3	14.8	1.51	0.00	0.00	0.00	0.00	0.00	
65	106	103	97.8	91.6	84.3	75.6	65.3	54.2	42.3	29.9	18.2	8.84	1.99	0.00	0.00	0.00	0.00	0.00	
70	70.1	67.1	63.1	58.1	52.1	45.3	37.7	29.5	20.2	11.0	2.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
75	38.1	36.2	33.6	30.3	26.7	23.4	19.6	15.6	11.1	6.39	2.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
80	5.51	4.36	2.85	1.07	0.00	0.00	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:2024-06-18

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: