

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity (Luminaire orientation as tested.)	2439.5 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
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Beam Spread	At 10% of Imax	86.1V x 49.7H
	At 50% of Imax	55.1V x 16.8H
	At 90% of Imax	16.7V x 6.3H

Beam Flux	Total	999.7 lumens per klm.
	To 10% of Imax	747.4 lumens per klm.
	To 50% of Imax	357.5 lumens per klm.
	To 90% of Imax	53.5 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

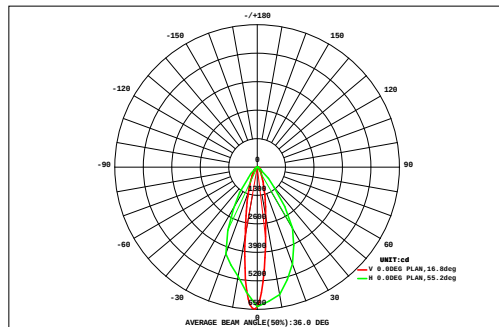
Luminaire Efficiency(Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-05-20

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:241.6V I:0.2753A P:62.59W PF:0.9411 Lamp Flux:2655.73x1 lm		
NAME: 8.01.017.0075 LWW-WZB-W55-L12-RDM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20240500074
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:



DATA OF LAMP		Eff:42.43lm/W	
MODELLWW-WZB-W55-L12-RDM	Imax(cd)	6479	
NOMINAL POWER(W)	62	AVAILABILITY(%)	75.4
RATED VOLTAGE(V)	242	Avai. FLUX(lm)	2001
NOMINAL FLUX(lm)	2655.73	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	2656
TEST VOLTAGE(V)	241.6	θ @50%(H,V)	17,55DEG

		AREA FLUX DIAGRAM															UNIT:lm				Φ t	Φ a
		0.00	0.01	0.13	0.36	0.64	0.93	1.21	1.44	1.56	1.51	1.31	1.03	0.73	0.44	0.18	0.03	0.00	0.00	11.5	0.00	
VERTICAL (DEG)	72	0.01	0.16	0.50	0.99	1.54	2.04	2.46	2.77	2.94	2.89	2.65	2.28	1.79	1.22	0.70	0.29	0.05	0.00	25.3	0.00	
	64	0.06	0.36	0.87	1.42	1.97	2.56	3.21	3.98	4.79	4.55	3.66	2.99	2.36	1.78	1.20	0.63	0.21	0.02	36.6	0.00	
	56	0.14	0.56	1.15	1.77	2.48	3.46	4.87	7.88	13.3	11.4	6.25	4.30	3.15	2.29	1.58	0.93	0.39	0.06	65.9	19.5	
	48	0.23	0.72	1.33	2.10	3.22	4.93	7.71	15.6	32.9	26.7	11.0	6.46	4.30	2.84	1.85	1.15	0.55	0.12	124	75.7	
	40	0.30	0.83	1.53	2.55	4.06	6.50	10.9	25.9	63.5	50.0	17.1	8.90	5.58	3.54	2.23	1.32	0.67	0.19	206	159	
	32	0.36	0.93	1.73	2.92	4.77	8.08	15.0	35.7	84.5	65.0	23.6	11.6	6.63	4.10	2.54	1.47	0.74	0.23	270	228	
	24	0.38	0.99	1.86	3.18	5.25	9.37	19.4	45.6	102	81.6	32.0	14.7	7.53	4.45	2.74	1.58	0.80	0.27	333	295	
	-24	0.40	1.03	1.93	3.32	5.52	10.1	21.9	50.9	112	91.0	36.6	16.3	7.94	4.61	2.83	1.64	0.83	0.28	369	331	
		0.40	1.03	1.94	3.31	5.51	9.94	20.8	47.8	108	87.7	34.5	15.4	7.70	4.52	2.79	1.61	0.82	0.27	354	316	
		0.37	0.97	1.86	3.16	5.12	8.57	15.5	34.9	82.8	70.7	26.2	12.4	6.90	4.17	2.58	1.52	0.78	0.26	279	237	
		0.34	0.88	1.67	2.78	4.45	7.17	11.8	27.0	70.7	60.9	20.5	9.77	5.91	3.71	2.31	1.36	0.70	0.21	232	186	
		-32	0.25	0.78	1.45	2.41	3.76	5.71	8.80	18.2	44.7	39.7	14.6	7.51	4.80	3.09	1.99	1.21	0.59	0.15	160	112
		-40	0.14	0.62	1.25	2.01	3.02	4.30	6.16	10.5	20.7	19.2	9.01	5.35	3.66	2.47	1.65	1.03	0.46	0.08	91.7	43.0
		-48	0.04	0.41	1.04	1.61	2.31	3.08	4.01	5.01	5.84	5.57	4.49	3.48	2.65	1.93	1.33	0.79	0.29	0.02	43.9	0.00
		-56	0.01	0.17	0.68	1.27	1.82	2.26	2.55	2.65	2.39	2.40	2.58	2.36	1.93	1.53	1.00	0.45	0.10	0.00	26.2	0.00
	-64	0.00	0.03	0.26	0.66	1.08	1.50	1.86	2.12	2.26	2.20	1.95	1.52	1.15	0.75	0.40	0.14	0.01	0.00	17.9	0.00	
-72	0.00	0.00	0.05	0.18	0.37	0.59	0.79	0.96	1.05	1.02	0.82	0.61	0.40	0.20	0.07	0.02	0.00	0.00	7.13	0.00		
		-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL(DEG)				16	24	32	40	48	56	64	72	
Φ t	3.43	10.5	21.2	36.0	56.9	91.1	159	339	755	624	249	127	75.1	47.6	30.0	17.2	7.99	2.15	2652	---		
Φ a	0.00	0.00	0.00	0.00	0.00	9.39	101	302	731	599	205	56.0	0.00	0.00	0.00	0.00	0.00	0.00	---	2001		

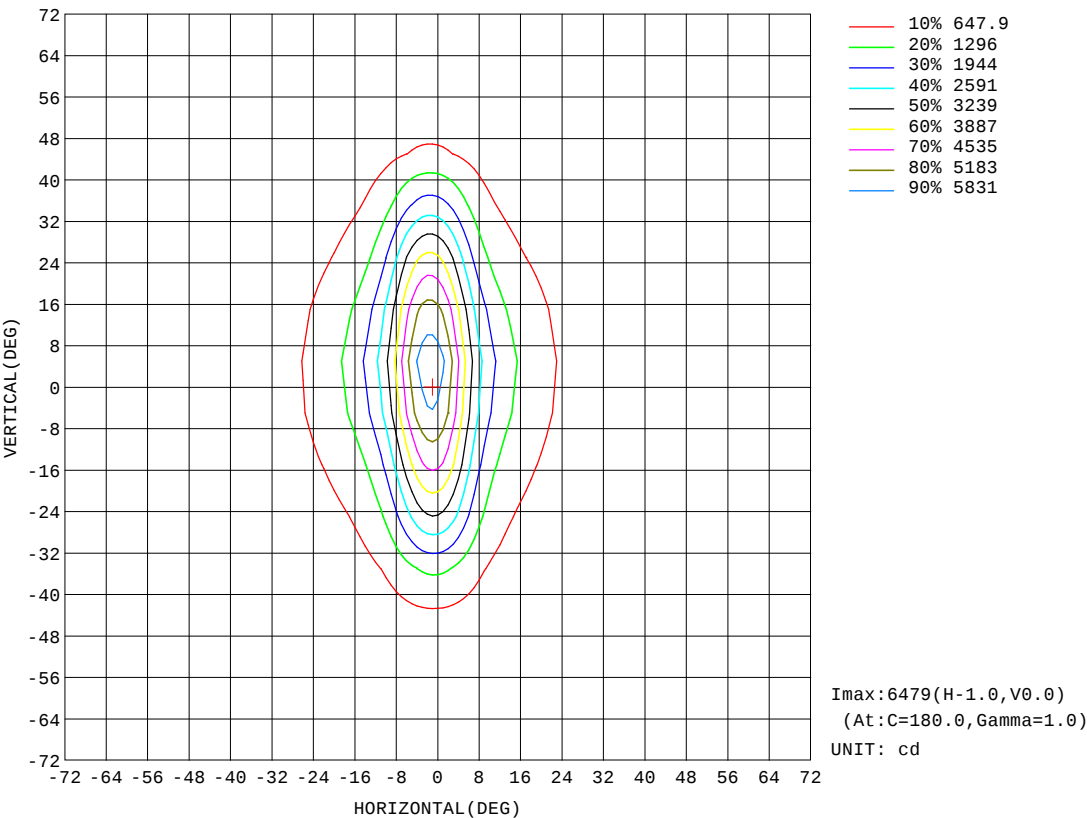
one-half-peak spread: U:25.1,D:30.4 , L:9.0,R:9.0 Beam Type: Type 4 x 5 (H x V)

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-05-20

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:

ISOCANDELA DIAGRAM

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NAME: 8.01.017.0075 LWW-WZB-W55-L12-RDM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20240500074
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

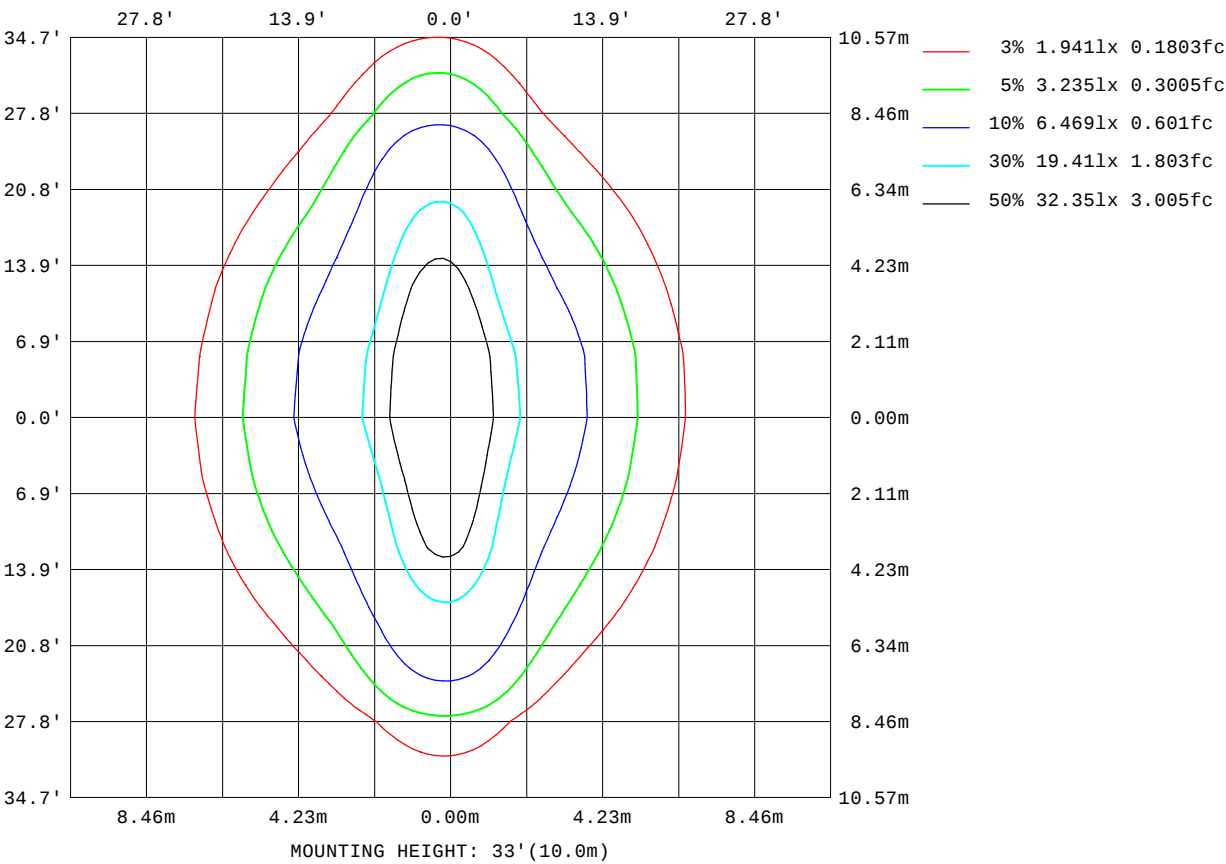


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ISOLUX DIAGRAM

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DIM.:	SPEC.:	SERIAL No.:20240500074
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

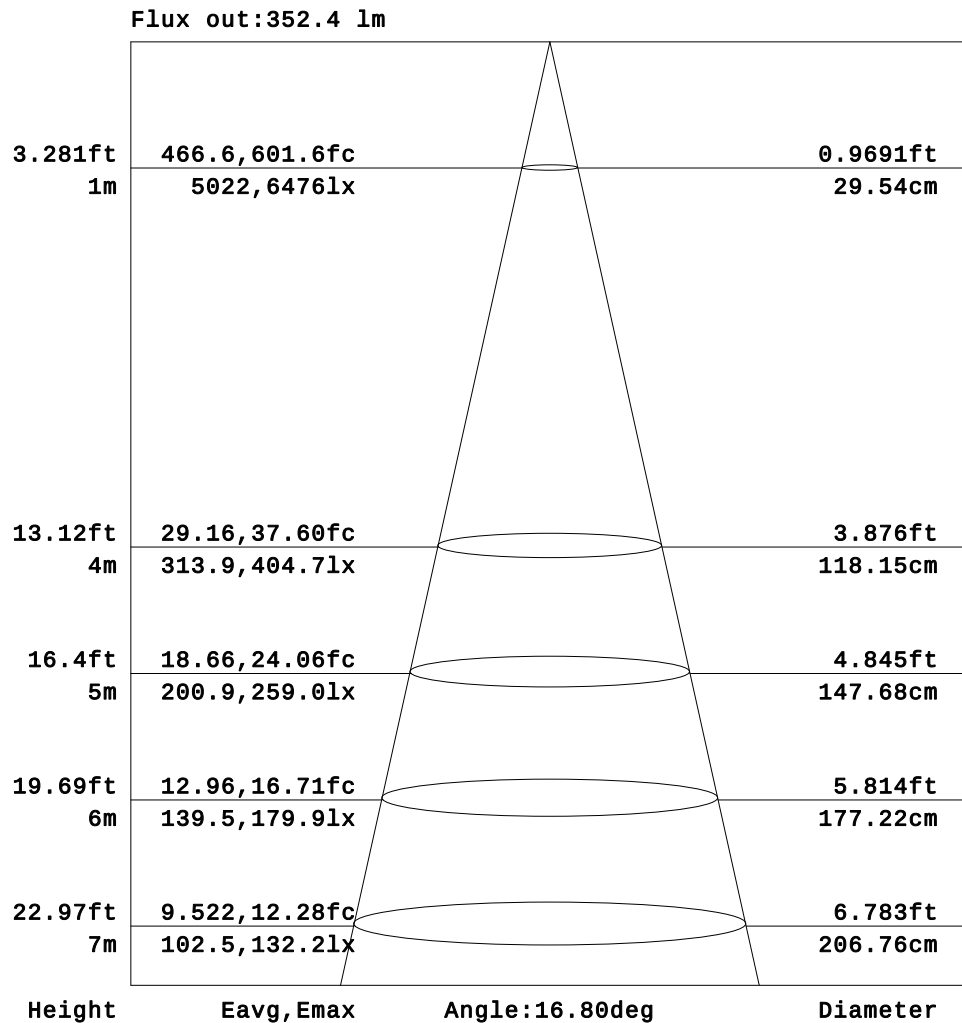


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H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-05-20

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:241.6V I:0.2753A P:62.59W PF:0.9411 Lamp Flux:2655.73x1 lm		
NAME: 8.01.017.0075 LWW-WZB-W55-L12-RDM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20240500074
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

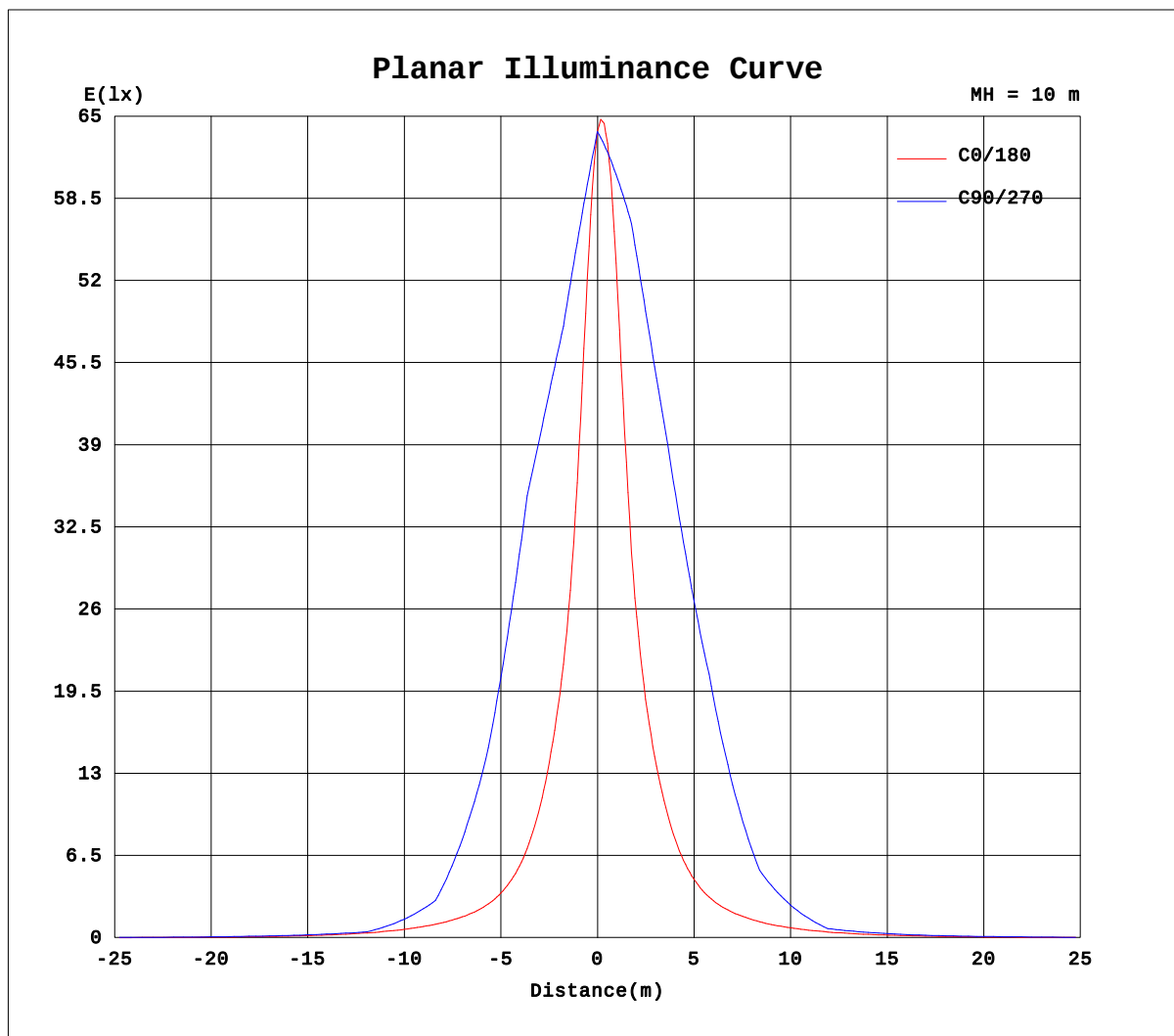


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
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Operators:QC1
Test Date:2024-05-20

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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:

Planar Illuminance Curve



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

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:241.6V I:0.2753A P:62.59W PF:0.9411 Lamp Flux:2655.73x1 lm		
NAME: 8.01.017.0075 LWW-WZB-W55-L12-RDM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20240500074
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	1.89	4.22	6.81	9.38	11.5	13.7	15.9	17.6	18.7	18.9
-70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.78	8.45	13.6	18.8	23.0	27.5	31.8	35.1	37.4	37.8
-65	0.00	0.00	0.00	0.00	0.00	0.00	0.01	6.11	13.8	24.1	33.5	42.5	50.7	58.0	64.6	70.0	74.3	76.9	77.2
-60	0.00	0.00	0.00	0.00	0.00	0.00	0.01	12.2	27.6	44.4	58.6	71.4	82.7	93.0	102	108	113	116	117
-55	0.00	0.00	0.00	0.00	0.00	2.36	10.8	29.6	50.5	70.1	84.6	99.5	112	121	130	138	144	149	149
-50	0.00	0.00	0.00	0.00	0.00	4.72	21.6	47.0	73.4	95.8	111	128	140	150	159	167	174	181	182
-45	0.00	0.00	0.00	0.00	1.09	13.4	37.0	65.7	88.6	111	127	149	169	191	215	247	301	385	420
-40	0.00	0.00	0.00	0.00	2.19	22.1	52.3	84.5	104	126	144	171	198	231	272	327	428	590	657
-35	0.00	0.00	0.00	0.00	8.80	35.9	64.9	92.6	115	142	167	203	241	290	354	463	722	1207	1419
-30	0.00	0.00	0.00	0.00	15.4	49.8	77.6	101	126	158	191	235	285	349	436	598	1017	1824	2180
-25	0.00	0.00	0.00	2.03	24.3	56.5	83.6	111	139	172	213	264	329	415	535	768	1391	2636	3198
-20	0.00	0.00	0.00	4.07	33.1	63.2	89.7	121	152	186	234	294	374	481	634	939	1766	3447	4216
-15	0.00	0.00	0.00	7.25	35.8	66.2	94.2	127	162	201	253	318	411	549	759	1147	2077	3886	4641
-10	0.00	0.00	0.00	10.4	38.5	69.2	98.7	133	171	216	272	343	449	617	884	1356	2389	4326	5067
-5	0.00	0.00	0.00	11.8	40.5	70.4	102	136	174	221	278	355	474	677	1027	1616	2791	4990	5723
0	0.00	0.00	0.00	13.1	42.4	71.6	105	139	177	225	284	367	499	738	1171	1877	3194	5654	6380
5	0.00	0.00	0.00	12.3	41.1	70.9	103	136	174	222	280	360	487	717	1132	1827	3123	5476	6149
10	0.00	0.00	0.00	11.5	39.8	70.2	101	133	172	218	275	352	476	697	1093	1778	3052	5298	5917
15	0.00	0.00	0.00	10.3	37.7	67.6	97.8	129	165	208	261	334	444	629	946	1513	2686	4774	5309
20	0.00	0.00	0.00	8.99	35.6	65.0	94.4	124	157	198	247	315	411	561	799	1248	2319	4249	4702
25	0.00	0.00	0.00	6.40	31.0	59.6	87.9	116	145	182	226	285	366	485	669	1027	1933	3552	3958
30	0.00	0.00	0.00	3.80	26.3	54.2	81.5	107	134	166	205	254	320	409	538	806	1546	2854	3215
35	0.00	0.00	0.00	1.90	20.9	46.9	74.0	98.7	122	148	180	220	273	342	440	631	1128	1974	2203
40	0.00	0.00	0.00	0.00	15.6	39.6	66.6	90.1	110	131	155	186	226	275	342	456	710	1095	1192
45	0.00	0.00	0.00	0.00	9.73	29.8	54.4	78.5	99.3	118	137	159	186	219	263	331	474	683	736
50	0.00	0.00	0.00	0.00	3.90	20.0	42.3	67.0	88.5	105	118	132	146	163	183	206	237	271	280
55	0.00	0.00	0.00	0.00	1.95	11.7	28.9	49.2	68.6	86.0	101	116	130	144	159	174	192	211	216
60	0.00	0.00	0.00	0.00	0.00	3.36	15.5	31.4	48.7	66.9	84.2	101	114	125	135	142	148	151	152
65	0.00	0.00	0.00	0.00	0.00	1.68	7.75	16.9	29.5	42.5	55.0	67.0	77.3	86.2	94.2	101	106	109	109
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.52	10.3	18.0	25.9	33.5	40.6	47.4	53.8	59.4	64.0	66.7	66.5
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.26	5.17	9.02	12.9	16.7	20.3	23.7	27.2	31.2	34.6	36.7	36.6
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	0.65	3.03	5.26	6.76	6.82
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(DEG) V(DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	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
-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
-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
-75	17.8	14.5	12.5	10.3	7.72	5.11	2.57	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-70	35.7	29.1	25.0	20.5	15.4	10.2	5.15	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-65	74.1	67.4	61.0	51.3	44.3	36.3	27.6	19.1	13.0	7.74	2.10	0.00	0.00	0.00	0.00	0.00	0.00
-60	113	106	96.9	82.1	73.3	62.4	50.1	38.1	26.0	15.5	4.21	0.00	0.00	0.00	0.00	0.00	0.00
-55	144	136	126	114	102	90.7	79.4	65.3	50.3	33.2	18.3	6.62	0.00	0.00	0.00	0.00	0.00
-50	176	166	156	145	131	119	109	92.4	74.5	50.8	32.3	13.2	0.00	0.00	0.00	0.00	0.00
-45	354	268	219	189	164	144	125	106	88.9	67.9	47.7	25.2	6.84	0.00	0.00	0.00	0.00
-40	532	370	282	233	198	168	142	119	103	84.9	63.2	37.2	13.7	0.00	0.00	0.00	0.00
-35	1057	598	394	305	248	203	167	138	117	95.8	72.6	47.3	22.2	3.68	0.00	0.00	0.00
-30	1582	826	505	376	298	238	192	156	130	107	82.0	57.5	30.7	7.35	0.00	0.00	0.00
-25	2197	1067	625	450	348	273	218	176	143	115	89.3	64.3	37.2	12.0	0.00	0.00	0.00
-20	2811	1307	745	525	397	308	244	196	157	124	96.6	71.0	43.7	16.7	0.00	0.00	0.00
-15	3112	1530	896	610	443	335	262	210	167	132	103	75.7	47.9	20.0	0.18	0.00	0.00
-10	3412	1753	1047	695	490	361	279	223	178	141	109	80.4	52.0	23.2	0.37	0.00	0.00
-5	3787	2009	1208	775	523	378	291	232	185	145	112	82.0	53.1	24.2	0.84	0.00	0.00
0	4163	2266	1370	854	557	394	302	241	191	149	114	83.6	54.3	25.2	1.32	0.00	0.00
5	4058	2204	1341	839	551	391	300	238	189	148	114	83.2	53.8	24.9	1.22	0.00	0.00
10	3953	2143	1312	825	544	389	299	236	188	147	113	82.8	53.4	24.7	1.12	0.00	0.00
15	3445	1819	1106	724	498	365	284	226	180	140	108	79.0	50.2	22.2	0.57	0.00	0.00
20	2937	1496	901	624	452	342	269	216	172	134	103	75.1	47.1	19.7	0.02	0.00	0.00
25	2496	1239	750	536	401	309	246	198	158	125	97.0	70.1	42.5	16.5	0.01	0.00	0.00
30	2054	982	600	448	351	276	223	180	145	116	90.6	65.0	38.0	13.3	0.00	0.00	0.00
35	1454	747	482	370	296	238	194	159	130	106	81.7	56.4	30.7	8.77	0.00	0.00	0.00
40	854	512	364	293	242	200	166	138	116	94.9	72.9	47.8	23.4	4.21	0.00	0.00	0.00
45	552	363	277	232	197	169	145	123	103	82.2	59.6	36.6	16.0	2.10	0.00	0.00	0.00
50	251	214	189	170	153	137	123	109	91.2	69.5	46.4	25.4	8.49	0.00	0.00	0.00	0.00
55	199	178	162	147	133	118	102	86.1	68.5	49.7	31.1	14.8	4.24	0.00	0.00	0.00	0.00
60	148	142	134	125	113	97.8	80.8	63.5	45.9	29.8	15.8	4.12	0.00	0.00	0.00	0.00	0.00
65	106	100	93.3	84.9	75.2	64.1	51.8	39.4	26.7	15.1	7.91	2.06	0.00	0.00	0.00	0.00	0.00
70	63.4	58.3	52.1	45.1	37.6	30.4	22.8	15.2	7.48	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	34.2	30.4	26.1	22.5	18.8	15.2	11.4	7.62	3.74	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	5.05	2.46	0.00	0.00	0.00	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
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

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-05-20

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: