

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

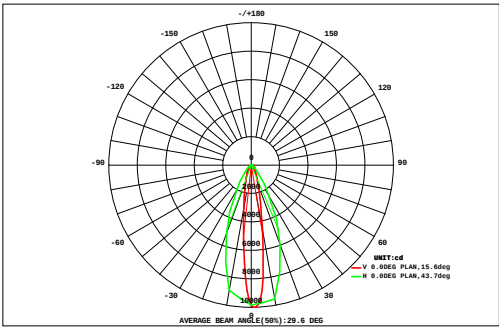
Maximum Intensity (Luminaire orientation as tested.)		2800.2 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of Imax	76.5V x 45.7H
	At 50% of Imax	43.6V x 15.6H
	At 90% of Imax	22.8V x 6.5H
Beam Flux	Total	999.7 lumens per klm.
	To 10% of Imax	720.9 lumens per klm.
	To 50% of Imax	348.7 lumens per klm.
	To 90% of Imax	95.9 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:2024-07-02

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:221.9V I:0.2861A P:61.80W PF:0.9734 Lamp Flux:3565.16x1 lm		
NAME: 8.01.017.0082 15x40° LWW-WZB-W55-L12-RDM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2024070002
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:



DATA OF LAMP		Eff:57.69lm/W	
MODELLWW-WZB-W55-L12-RDM	Imax(cd)	9983	
NOMINAL POWER(W)	62	AVAILABILITY(%)	72.1
RATED VOLTAGE(V)	222	Avai. FLUX(lm)	2571
NOMINAL FLUX(lm)	3565.16	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	3565
TEST VOLTAGE(V)	221.9	θ @50%(H,V)	16,44DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm			Φ t	Φ a
	72	0.00	0.01	0.04	0.23	0.56	0.91	1.26	1.55	1.76	1.81	1.69	1.48	1.18	0.85	0.49	0.17	0.02	0.00	14.0	0.00
	64	0.00	0.08	0.43	0.94	1.52	2.10	2.62	3.04	3.34	3.39	3.18	2.84	2.38	1.78	1.18	0.64	0.24	0.01	29.7	0.00
	56	0.02	0.29	0.83	1.51	2.26	3.04	3.83	4.65	5.33	5.44	4.89	4.13	3.36	2.55	1.78	1.07	0.49	0.11	45.6	0.00
	48	0.08	0.52	1.21	2.03	2.97	4.06	5.46	7.47	10.1	10.7	8.22	6.04	4.53	3.35	2.35	1.46	0.74	0.23	71.5	0.00
	40	0.18	0.73	1.54	2.51	3.70	5.28	7.80	12.5	21.3	23.8	14.9	9.01	6.05	4.23	2.88	1.81	0.96	0.34	119	32.8
	32	0.26	0.90	1.80	2.98	4.51	6.77	10.9	20.7	44.5	52.1	26.9	13.2	7.86	5.19	3.42	2.12	1.14	0.43	206	136
	24	0.33	1.03	2.03	3.38	5.35	8.48	15.0	32.7	86.5	105	45.1	18.3	9.79	6.10	3.87	2.35	1.25	0.49	347	282
		0.37	1.10	2.18	3.69	5.95	9.89	18.7	42.8	123	156	62.2	23.7	11.8	6.87	4.21	2.52	1.35	0.54	477	415
		0.39	1.15	2.25	3.85	6.31	10.8	21.0	48.5	140	179	70.7	27.0	13.0	7.29	4.40	2.62	1.41	0.57	541	481
		0.39	1.15	2.26	3.85	6.33	10.8	20.8	47.1	133	171	68.3	26.5	12.8	7.20	4.38	2.62	1.41	0.57	520	460
		0.35	1.09	2.18	3.69	5.88	9.47	17.1	38.5	116	153	59.8	22.1	11.1	6.55	4.08	2.49	1.36	0.55	455	391
	-24	0.30	0.99	1.98	3.31	5.10	7.82	13.1	27.6	73.2	91.6	40.5	16.5	8.93	5.64	3.65	2.26	1.22	0.49	304	238
	-32	0.21	0.83	1.70	2.87	4.38	6.40	9.82	18.1	39.5	47.8	25.0	12.0	7.14	4.73	3.19	2.02	1.09	0.41	187	116
-40	0.12	0.63	1.40	2.40	3.63	5.09	7.18	10.9	17.0	19.3	13.4	8.32	5.60	3.90	2.72	1.72	0.92	0.31	105	17.8	
-48	0.04	0.39	1.08	1.90	2.85	3.93	5.16	6.54	7.41	7.49	6.89	5.58	4.27	3.17	2.24	1.38	0.70	0.18	61.2	0.00	
-56	0.00	0.16	0.66	1.35	2.14	2.90	3.46	3.87	4.01	4.01	3.96	3.57	3.02	2.42	1.72	1.04	0.45	0.08	38.8	0.00	
-64	0.00	0.03	0.27	0.76	1.32	1.85	2.32	2.68	2.94	3.00	2.80	2.47	2.06	1.59	1.10	0.62	0.19	0.01	26.0	0.00	
-72	0.00	0.00	0.05	0.20	0.47	0.79	1.08	1.31	1.48	1.53	1.44	1.26	1.02	0.74	0.45	0.19	0.04	0.00	12.0	0.00	
	-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL(DEG)				16	24	32	40	48	56	64	72	
Φ t	3.05	11.1	23.9	41.5	65.2	100	167	330	830	1036	460	204	116	74.1	48.1	29.1	14.9	5.34	3559	---	
Φ a	0.00	0.00	0.00	0.00	0.00	0.00	51.9	258	774	982	397	108	0.00	0.00	0.00	0.00	0.00	0.00	---	2571	

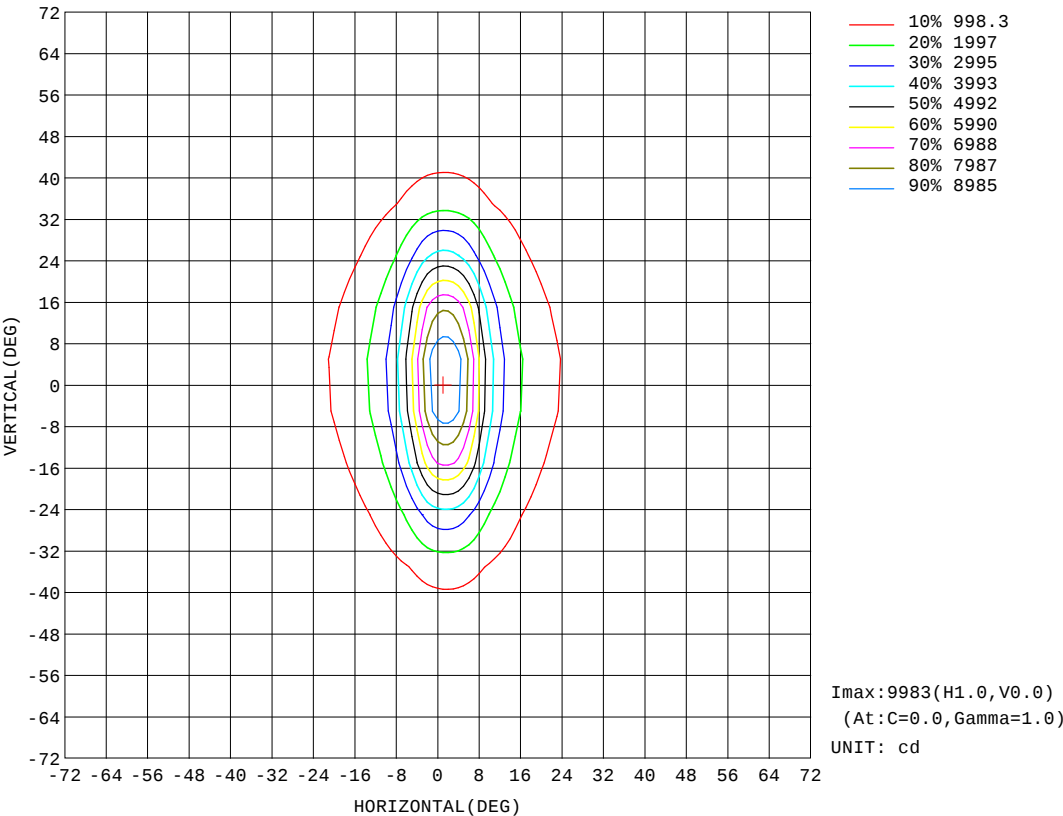
one-half-peak spread: U:20.8,D:23.1 , L:7.4,RNEMA Beam Type: Type 3 x 5 (H x V)

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-07-02

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: 8.01.017.0082 15x40° LWW-WZB-W55-L12-RDM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2024070002
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

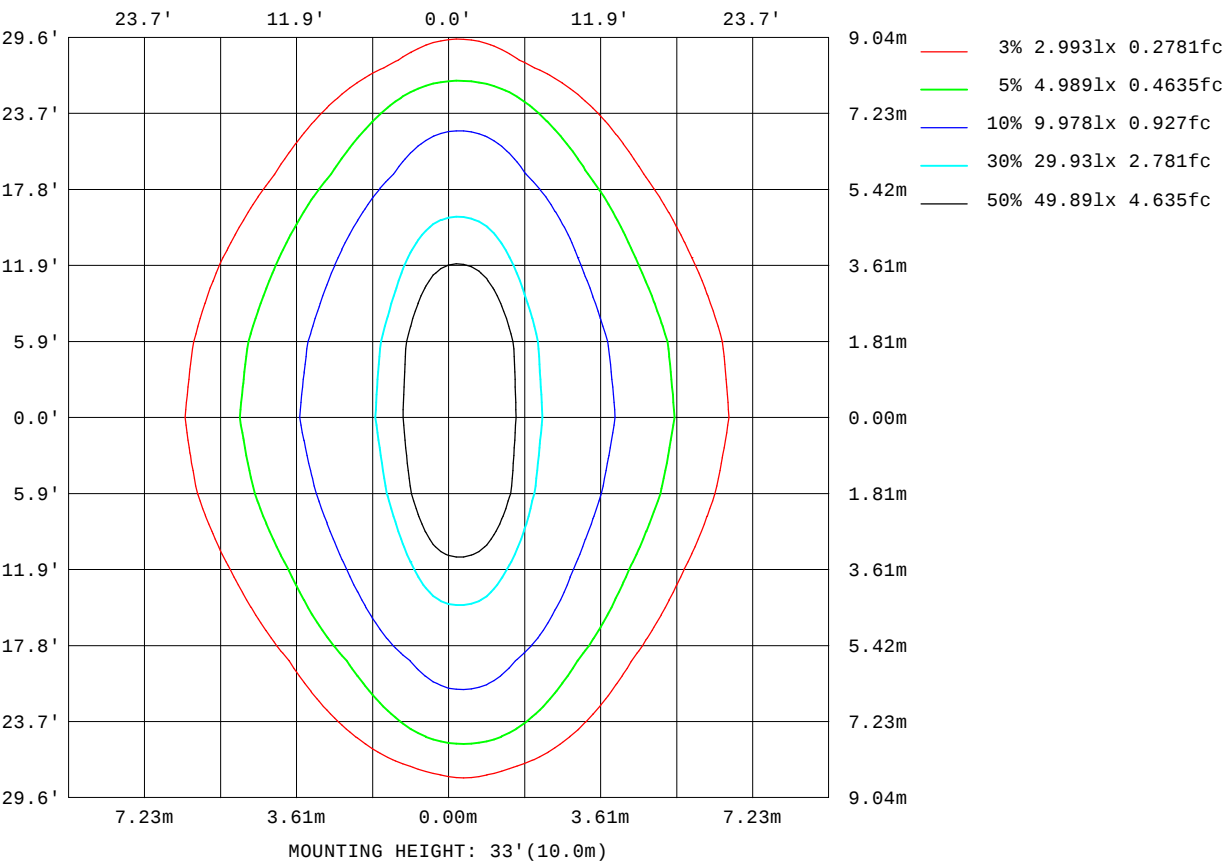


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ISOLUX DIAGRAM

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

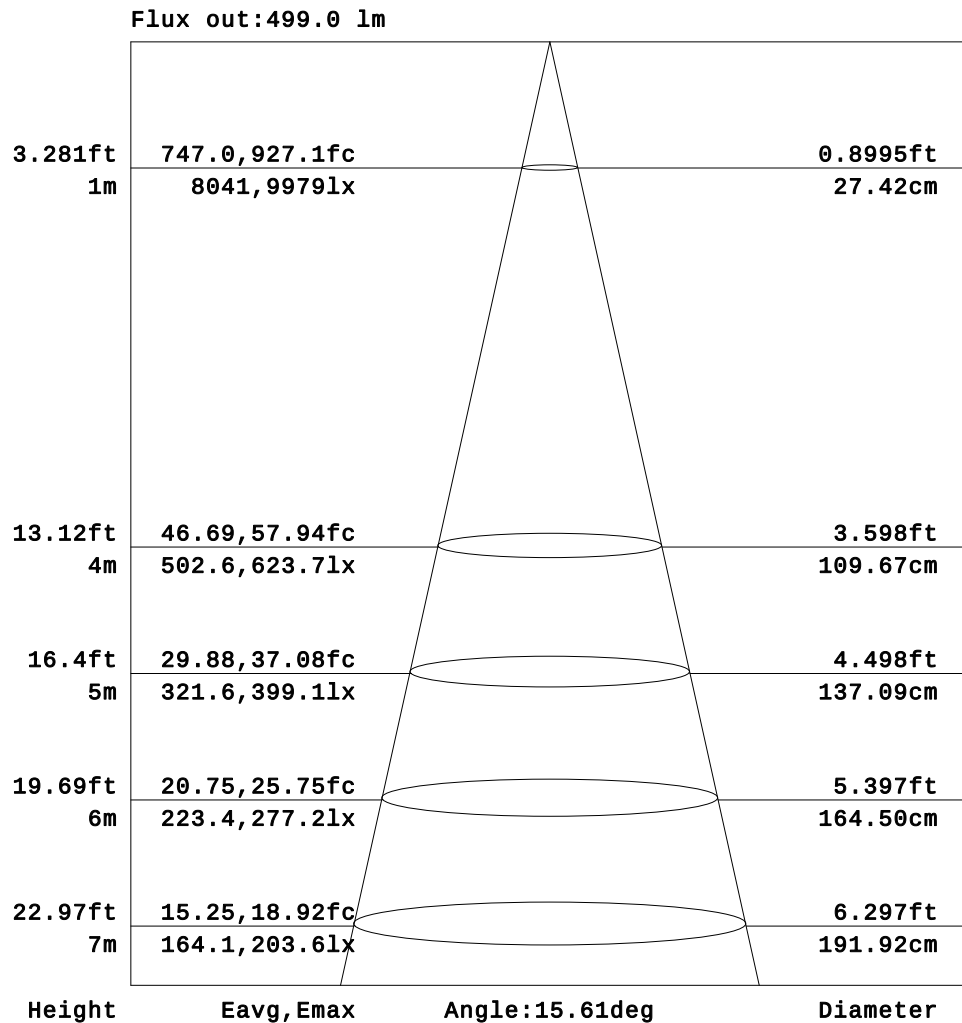


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Test Speed: HIGH
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Test Date:2024-07-02

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Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
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Remarks:

AAI Figure

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DIM.:	SPEC.:	SERIAL No.:2024070002
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

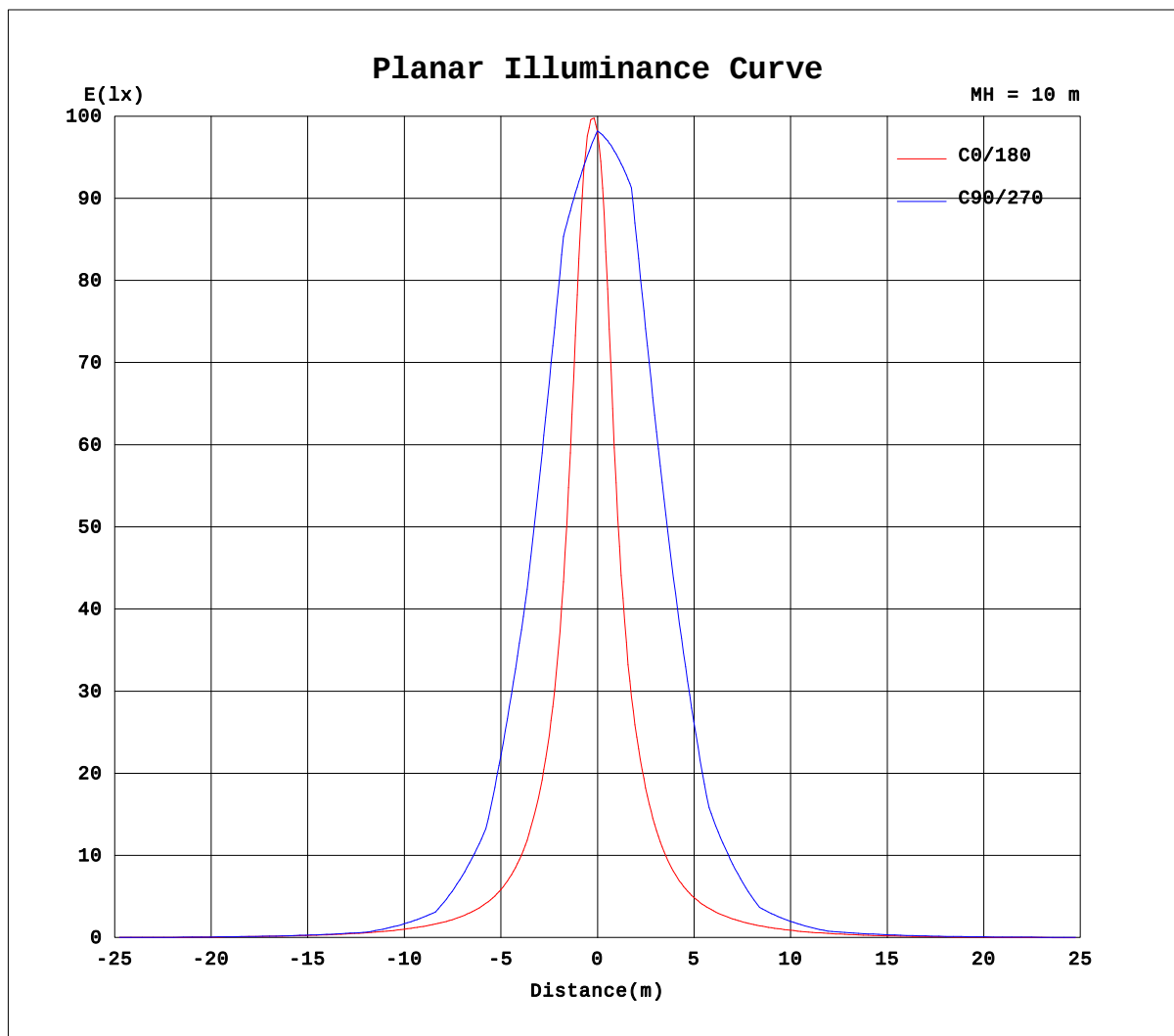


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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Remarks:

Planar Illuminance Curve



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LUMINOUS DISTRIBUTION INTENSITY DATA

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MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION 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	0.00	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	0.50	4.40	8.80	13.4	17.4	20.9	24.1	26.8	29.1	30.5	
-70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	8.81	17.6	26.9	34.7	41.9	48.2	53.7	58.2	61.1	
-65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.56	14.6	25.5	39.6	52.3	64.5	75.1	84.3	92.1	98.7	104	108	
-60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.1	29.2	50.0	70.3	87.1	102	115	127	136	144	150	155	
-55	0.00	0.00	0.00	0.00	0.00	0.30	10.3	27.9	51.5	75.3	98.0	120	139	155	169	182	194	205	212	
-50	0.00	0.00	0.00	0.00	0.00	0.60	20.5	44.8	73.8	101	126	153	177	195	211	228	245	260	269	
-45	0.00	0.00	0.00	0.00	0.00	10.8	35.5	64.5	95.8	123	152	182	212	239	273	316	367	432	486	
-40	0.00	0.00	0.00	0.00	0.00	21.0	50.5	84.2	118	145	177	211	247	284	336	403	489	604	702	
-35	0.00	0.00	0.00	0.00	5.17	33.4	65.1	98.8	133	167	203	243	287	337	412	529	719	1047	1375	
-30	0.00	0.00	0.00	0.00	10.3	45.8	79.6	114	148	188	229	275	327	390	488	655	949	1491	2047	
-25	0.00	0.00	0.00	0.00	18.6	53.3	90.2	126	164	207	252	305	369	455	594	847	1343	2398	3582	
-20	0.00	0.00	0.00	0.00	26.9	60.8	101	139	181	225	274	335	412	520	700	1039	1736	3306	5118	
-15	0.00	0.00	0.00	0.06	29.5	65.6	106	147	191	239	295	365	457	594	827	1259	2156	4303	7028	
-10	0.00	0.00	0.00	0.12	32.1	70.5	112	154	201	253	316	394	502	668	954	1479	2575	5300	8938	
-5	0.00	0.00	0.00	1.37	34.6	73.3	115	157	204	257	323	407	527	717	1046	1642	2823	5666	9380	
0	0.00	0.00	0.00	2.62	37.0	76.2	117	160	206	262	331	420	552	765	1138	1806	3070	6033	9822	
5	0.00	0.00	0.00	1.82	35.7	74.4	115	157	204	258	324	410	536	738	1092	1739	2976	5938	9690	
10	0.00	0.00	0.00	1.02	34.3	72.7	113	155	201	254	318	400	519	711	1046	1672	2881	5844	9558	
15	0.00	0.00	0.00	0.51	31.8	69.4	109	149	193	242	300	376	481	641	922	1446	2473	4904	7761	
20	0.00	0.00	0.00	0.00	29.3	66.1	105	144	185	230	283	353	442	572	798	1221	2064	3963	5963	
25	0.00	0.00	0.00	0.00	23.9	58.8	95.8	133	171	213	259	317	391	496	670	987	1595	2885	4202	
30	0.00	0.00	0.00	0.00	18.5	51.5	87.0	123	158	196	236	282	341	419	542	754	1127	1807	2441	
35	0.00	0.00	0.00	0.00	12.4	42.3	75.5	109	142	176	210	249	296	357	449	596	839	1256	1633	
40	0.00	0.00	0.00	0.00	6.25	33.1	63.9	96.2	127	156	185	216	252	296	356	438	551	705	825	
45	0.00	0.00	0.00	0.00	3.13	22.3	49.6	79.0	107	134	161	187	216	249	291	344	414	502	569	
50	0.00	0.00	0.00	0.00	0.00	11.5	35.3	61.9	87.8	112	136	159	181	202	225	250	277	299	313	
55	0.00	0.00	0.00	0.00	0.00	5.77	20.8	42.9	65.4	87.5	109	129	148	166	184	202	220	235	244	
60	0.00	0.00	0.00	0.00	0.00	0.00	6.21	24.0	43.0	62.5	82.1	100.0	116	130	143	154	163	171	175	
65	0.00	0.00	0.00	0.00	0.00	0.00	3.10	12.0	21.7	35.9	50.5	64.4	77.2	88.9	99.2	108	116	122	126	
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	9.25	19.0	28.9	38.5	47.3	55.4	62.5	68.7	73.6	76.6	
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	4.62	9.48	14.4	19.2	23.6	27.7	31.3	34.3	36.8	38.3	
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(DEG) V(DEG)	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	30.7	29.9	28.3	26.3	23.8	20.9	17.5	13.6	9.42	5.02	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-70	61.5	59.8	56.7	52.6	47.5	41.7	34.9	27.3	18.8	10.0	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-65	108	105	99.8	93.8	86.7	78.5	69.1	58.5	46.9	34.5	19.4	9.05	1.82	0.00	0.00	0.00	0.00	0.00
-60	154	149	143	135	126	115	103	89.8	75.0	58.9	38.1	18.1	3.64	0.00	0.00	0.00	0.00	0.00
-55	211	203	191	178	164	151	136	120	101	80.9	58.9	35.0	14.4	2.69	0.00	0.00	0.00	0.00
-50	268	257	240	221	203	186	169	151	127	103	79.7	52.0	25.3	5.38	0.00	0.00	0.00	0.00
-45	475	411	348	298	259	227	200	176	149	121	95.5	67.3	37.6	12.1	0.01	0.00	0.00	0.00
-40	681	565	455	374	316	268	230	201	171	139	111	82.7	50.0	18.7	0.01	0.00	0.00	0.00
-35	1307	936	649	481	380	312	262	225	191	158	126	94.9	61.5	28.2	2.67	0.00	0.00	0.00
-30	1934	1308	843	587	444	356	294	249	211	176	141	107	72.9	37.6	5.32	0.00	0.00	0.00
-25	3292	1965	1131	730	526	409	332	276	230	190	152	116	80.0	44.2	11.0	0.00	0.00	0.00
-20	4650	2623	1418	874	608	462	370	302	249	204	163	124	87.1	50.8	16.7	0.00	0.00	0.00
-15	6383	3402	1740	1046	707	519	406	327	265	216	172	132	92.9	55.1	19.5	0.00	0.00	0.00
-10	8116	4181	2062	1218	806	576	441	352	282	227	181	140	98.8	59.3	22.3	0.00	0.00	0.00
-5	8461	4358	2239	1326	868	611	462	363	290	233	185	141	99.8	60.0	22.7	0.00	0.00	0.00
0	8807	4535	2417	1433	930	647	482	375	299	239	188	143	101	60.6	23.0	0.00	0.00	0.00
5	8685	4463	2326	1380	900	631	473	370	294	235	186	141	99.5	59.7	22.4	0.00	0.00	0.00
10	8563	4391	2235	1326	870	615	464	365	289	231	183	140	98.3	58.7	21.8	0.00	0.00	0.00
15	6922	3650	1919	1149	770	560	433	344	276	222	175	133	93.2	54.8	19.0	0.00	0.00	0.00
20	5282	2909	1602	971	670	505	401	323	263	213	168	127	88.1	50.9	16.3	0.00	0.00	0.00
25	3758	2185	1271	811	580	449	362	297	244	199	158	119	81.8	46.1	13.0	0.00	0.00	0.00
30	2235	1461	939	650	489	394	323	270	225	185	147	111	75.5	41.2	9.83	0.00	0.00	0.00
35	1506	1042	716	525	412	340	285	240	202	166	132	98.7	65.4	33.6	5.02	0.00	0.00	0.00
40	777	623	494	401	335	286	246	211	180	148	118	86.3	55.3	26.0	0.22	0.00	0.00	0.00
45	542	456	380	322	278	243	212	184	156	128	99.9	71.4	43.8	17.6	0.11	0.00	0.00	0.00
50	308	290	267	243	221	200	177	156	133	108	82.3	56.5	32.3	9.30	0.00	0.00	0.00	0.00
55	241	230	215	199	183	166	147	127	106	84.3	62.0	40.1	19.5	4.65	0.00	0.00	0.00	0.00
60	174	170	163	155	146	133	116	98.5	79.7	60.5	41.8	23.6	6.67	0.00	0.00	0.00	0.00	0.00
65	125	122	117	111	103	92.9	80.4	67.2	52.4	37.3	22.9	11.8	3.33	0.00	0.00	0.00	0.00	0.00
70	76.5	74.1	70.6	66.0	59.9	53.0	44.9	35.9	25.1	14.1	4.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	38.3	37.0	35.3	33.0	30.0	26.5	22.5	17.9	12.5	7.06	2.01	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:2024-07-02

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: