

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

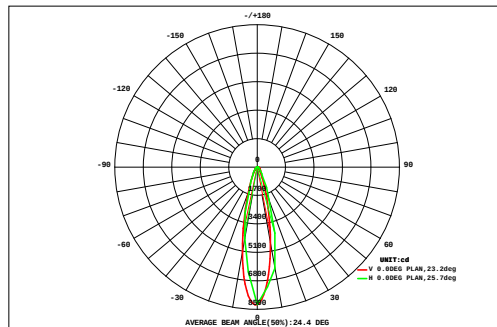
Maximum Intensity (Luminaire orientation as tested.)		3356.4 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of Imax	54.8V x 49.5H
	At 50% of Imax	25.5V x 23.2H
	At 90% of Imax	6.7V x 8.7H
Beam Flux	Total	999.8 lumens per klm.
	To 10% of Imax	692.8 lumens per klm.
	To 50% of Imax	315.3 lumens per klm.
	To 90% of Imax	33.5 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:27.1DEG
Operators:QC1
Test Date:2023-12-26

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:61%
Test Distance:8.300m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.7V I:0.5179A P:61.56W PF:0.9928 Lamp Flux:2448.49x1 lm		
NAME: 8.01.017.0030 30°LWW-WZB-W55-L12-RDM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2023120030
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:



DATA OF LAMP		Eff:39.77lm/W	
MODELLWW-WZB-W55-L12-RDM	Imax(cd)	8218	
NOMINAL POWER(W)	62	AVAILABILITY(%)	69.2
RATED VOLTAGE(V)	120	Avai. FLUX(lm)	1694
NOMINAL FLUX(lm)	2448.49	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	2448
TEST VOLTAGE(V)	119.7	θ @50%(H,V)	23,26DEG

AREA FLUX DIAGRAM																	UNIT:lm		Φ t	Φ a
45	0.64	0.81	1.00	1.20	1.40	1.61	1.79	1.94	2.04	2.05	1.98	1.84	1.65	1.45	1.23	1.03	0.84	0.66	25.2	0.00
40	0.78	0.98	1.20	1.44	1.69	1.95	2.19	2.38	2.49	2.48	2.36	2.15	1.89	1.63	1.36	1.12	0.90	0.71	29.7	0.00
35	0.81	1.05	1.35	1.71	2.16	2.68	3.25	3.78	4.14	4.19	3.90	3.40	2.83	2.29	1.80	1.41	1.09	0.84	42.7	0.00
30	0.96	1.25	1.64	2.13	2.76	3.50	4.31	5.05	5.46	5.40	4.88	4.12	3.32	2.59	1.97	1.50	1.14	0.87	52.9	0.00
25	0.96	1.29	1.78	2.48	3.53	5.15	7.47	10.2	12.4	12.6	10.7	8.03	5.61	3.87	2.70	1.93	1.40	1.02	93.1	63.2
20	1.12	1.55	2.22	3.22	4.81	7.37	11.0	15.2	17.8	17.2	13.8	9.78	6.46	4.25	2.87	1.99	1.41	1.02	123	97.0
15	1.07	1.51	2.18	3.33	5.46	9.66	17.2	27.7	36.8	38.0	30.4	20.1	11.5	6.45	3.88	2.50	1.69	1.18	221	198
10	1.24	1.80	2.71	4.38	7.74	14.7	26.8	42.4	53.4	51.2	38.0	23.4	12.3	6.61	3.87	2.45	1.62	1.13	296	275
5	1.12	1.60	2.37	3.75	6.50	12.3	23.7	40.3	55.0	57.4	45.4	28.8	15.6	8.11	4.55	2.79	1.83	1.25	312	292
0	1.26	1.85	2.84	4.71	8.66	17.1	32.7	52.4	65.5	61.8	44.5	25.9	13.4	6.93	3.96	2.47	1.65	1.15	349	329
-5	1.09	1.52	2.20	3.33	5.37	9.35	16.6	27.4	37.6	40.2	33.0	21.8	12.6	7.04	4.15	2.64	1.77	1.22	229	207
-10	1.18	1.66	2.41	3.64	5.77	9.53	15.2	21.6	25.5	24.0	18.2	12.0	7.59	4.81	3.16	2.16	1.50	1.07	161	137
-15	0.98	1.33	1.84	2.58	3.67	5.39	8.03	11.5	14.8	15.9	13.9	10.3	6.95	4.59	3.10	2.16	1.53	1.10	110	81.4
-20	1.01	1.36	1.85	2.50	3.28	4.15	4.82	4.98	4.66	4.29	4.04	3.87	3.39	2.79	2.20	1.66	1.25	0.94	53.1	12.2
-25	0.85	1.11	1.44	1.88	2.43	3.09	3.87	4.68	5.34	5.56	5.19	4.43	3.57	2.79	2.13	1.63	1.24	0.94	52.2	3.16
-30	0.85	1.09	1.36	1.69	2.04	2.33	2.50	2.56	2.52	2.46	2.41	2.32	2.14	1.87	1.54	1.26	1.01	0.79	32.7	0.00
-35	0.70	0.90	1.12	1.37	1.65	1.93	2.19	2.41	2.56	2.60	2.51	2.31	2.06	1.78	1.49	1.22	0.98	0.77	30.5	0.00
-40	0.68	0.84	1.03	1.21	1.38	1.51	1.61	1.66	1.67	1.65	1.59	1.52	1.41	1.28	1.14	0.97	0.80	0.63	22.6	0.00
-45	-45	-40	-35	-30	-25	-20	-15	-10	HORIZONTAL(DEG)	10	15	20	25	30	35	40	45			
Φ t	17.3	23.5	32.5	46.5	70.3	113	185	278	350	349	277	186	114	71.1	47.1	32.9	23.7	17.3	2235	---
Φ a	0.00	0.00	0.00	1.18	28.3	82.3	158	252	323	323	250	160	85.1	30.3	0.46	0.00	0.00	0.00	---	1694

one-half-peak spread: U:10.8,D:14.9 , L:11.3,R:12.1

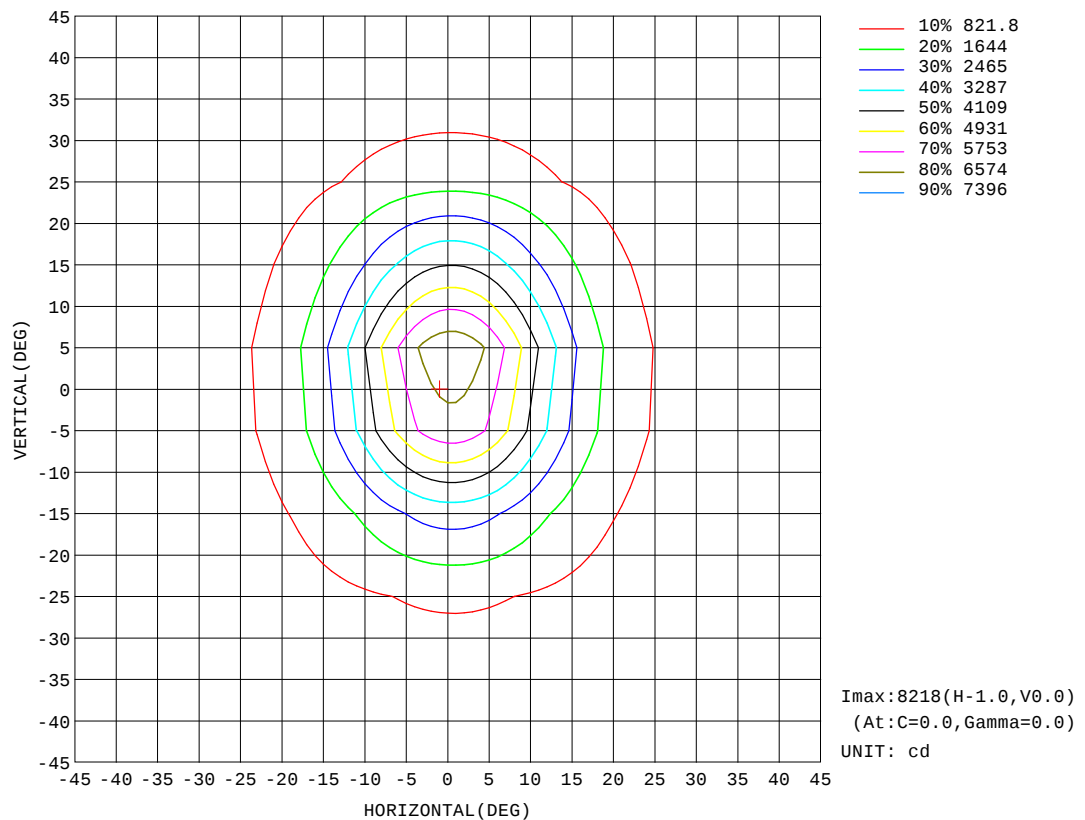
NEMA Beam Type: Type 4

H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:27.1DEG
 Operators:QC1
 Test Date:2023-12-26

V(B) Range:-80 - 80DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
 Humidity:61%
 Test Distance:8.300m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:119.7V I:0.5179A P:61.56W PF:0.9928 Lamp Flux:2448.49x1 lm		
NAME: 8.01.017.0030 30°LWW-WZB-W55-L12-RDM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2023120030
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

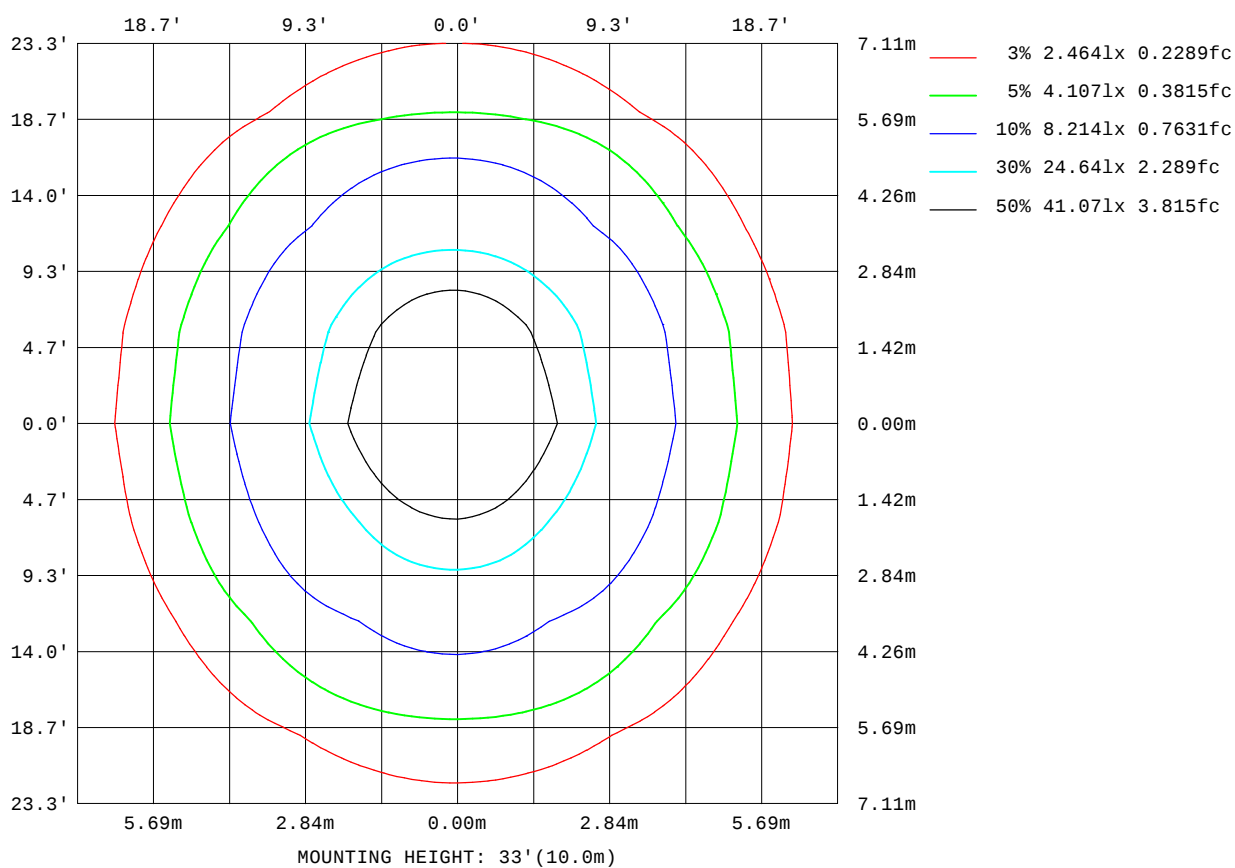


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ISOLUX DIAGRAM

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

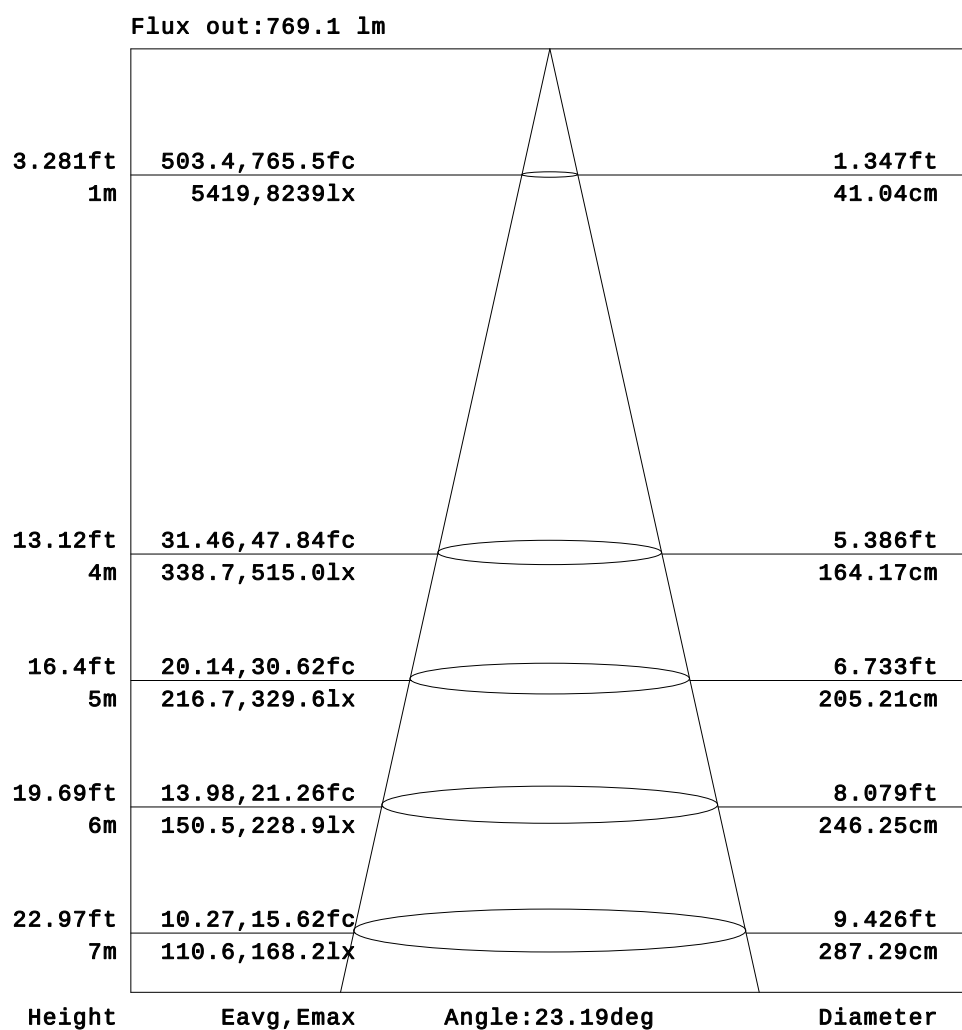


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:27.1DEG
Operators:QC1
Test Date:2023-12-26

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:61%
Test Distance:8.300m [K=1.0000]
Remarks:

AAI Figure

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DIM.:	SPEC.:	SERIAL No.:2023120030
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

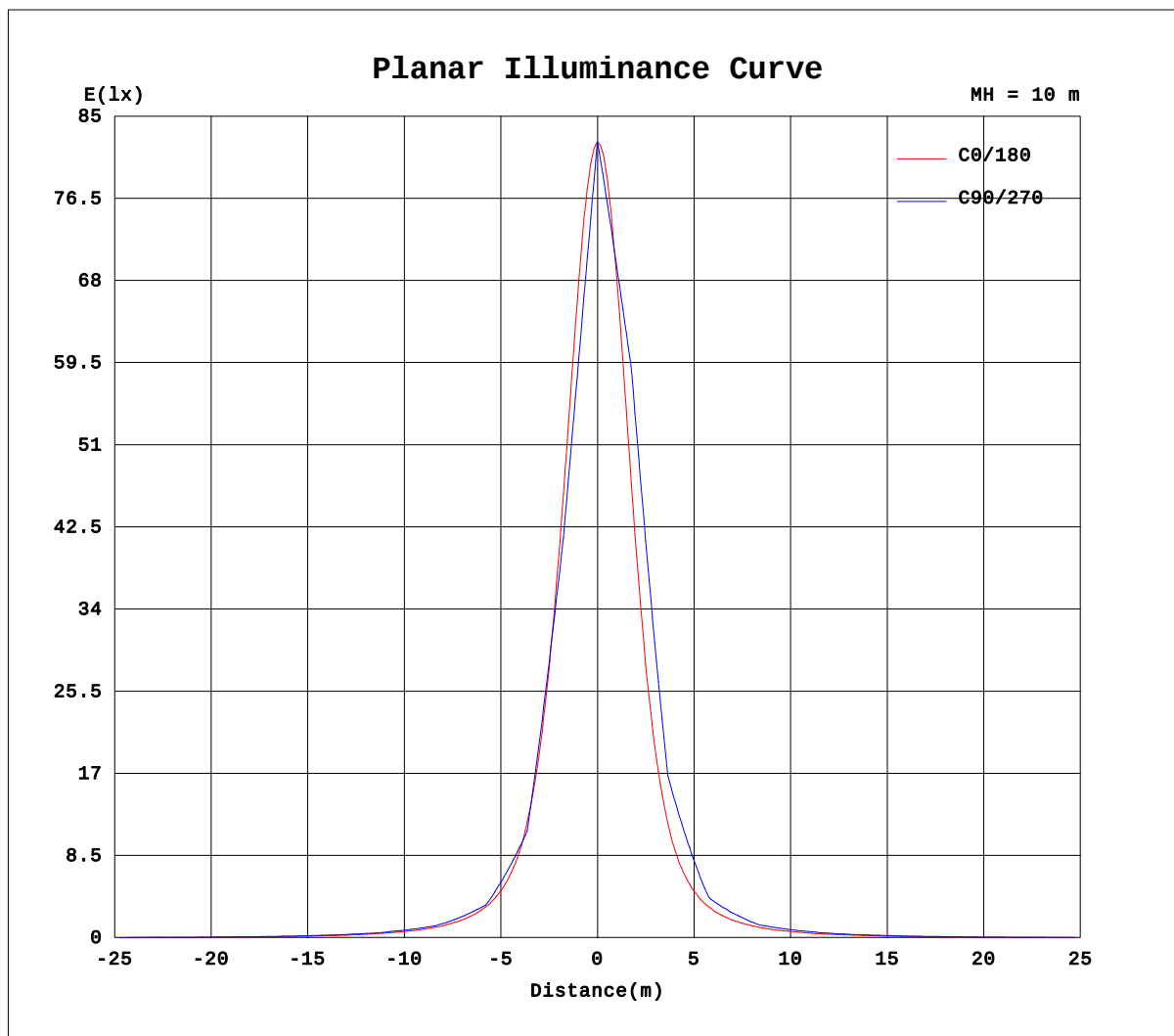


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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H(β) Interval: 1.0DEG
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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:61%
Test Distance:8.300m [K=1.0000]
Remarks:

Planar Illuminance Curve



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Test Distance:8.300m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

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DIM.:	SPEC.:	SERIAL No.:2023120030
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	0.10	3.28	6.13	8.92	11.4	13.5	16.9	18.9	20.5	21.6	22.0
-70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.14	7.83	13.4	19.0	23.8	28.6	34.6	38.5	41.6	43.5	44.0
-65	0.00	0.00	0.00	0.00	0.00	0.00	1.98	7.62	14.7	24.1	31.6	40.2	49.3	55.7	62.8	67.8	71.9	74.5	75.4
-60	0.00	0.00	0.00	0.00	0.00	0.00	5.83	18.1	32.2	44.0	52.5	65.9	77.6	86.0	93.1	99.0	103	106	107
-55	0.00	0.00	0.00	0.00	0.00	3.39	12.8	27.7	43.1	57.9	73.8	88.1	102	112	121	128	134	138	139
-50	0.00	0.00	0.00	0.00	0.00	9.73	25.2	43.9	60.1	78.9	100	116	130	142	152	161	166	171	172
-45	0.00	0.00	0.00	0.00	1.84	13.8	31.4	51.5	72.4	92.3	114	134	152	171	188	203	215	223	226
-40	0.00	0.00	0.00	0.00	6.96	25.0	45.1	67.3	92.8	114	136	158	182	208	231	251	267	277	280
-35	0.00	0.00	0.00	0.00	8.48	28.6	50.5	74.6	98.9	122	147	175	207	245	286	326	361	390	404
-30	0.00	0.00	0.00	0.33	18.1	39.7	65.5	91.2	115	140	169	204	247	299	356	416	470	511	528
-25	0.00	0.00	0.00	1.45	18.8	43.8	67.9	93.8	119	146	179	221	280	357	456	584	730	863	929
-20	0.00	0.00	0.00	6.46	29.9	56.0	81.1	106	133	163	204	258	340	450	603	809	1048	1255	1331
-15	0.00	0.00	0.00	5.22	27.7	54.0	79.4	105	132	165	209	271	367	517	768	1194	1811	2480	2830
-10	0.00	0.00	0.00	12.1	36.1	62.0	88.1	114	144	182	235	315	443	664	1070	1798	2853	3921	4334
-5	0.00	0.00	0.00	8.47	32.3	58.3	84.6	111	140	177	229	310	442	681	1157	2100	3639	5375	6273
0	0.00	0.00	0.00	13.9	38.7	65.1	91.5	118	149	189	249	347	514	840	1531	2917	5143	7385	8208
5	0.00	0.00	0.00	8.70	32.5	58.6	84.8	111	140	178	231	315	454	713	1243	2317	4100	6121	7177
10	0.00	0.00	0.00	12.4	36.5	62.5	88.6	115	145	185	241	327	473	742	1276	2313	3889	5512	6136
15	0.00	0.00	0.00	6.89	29.6	54.9	80.6	107	134	168	215	283	391	573	907	1522	2473	3528	4082
20	0.00	0.00	0.00	9.85	32.6	57.5	82.9	108	136	168	211	273	368	507	728	1059	1493	1889	2027
25	0.00	0.00	0.00	3.64	24.2	47.6	72.1	96.8	122	150	185	232	299	390	525	719	971	1216	1334
30	0.00	0.00	0.00	4.72	24.8	47.3	71.2	95.1	119	145	175	213	261	319	391	472	554	617	638
35	0.00	0.00	0.00	0.75	16.3	36.8	59.0	81.7	104	126	152	181	215	255	303	354	407	449	469
40	0.00	0.00	0.00	0.25	15.6	34.8	55.9	77.3	97.8	118	139	161	184	209	234	259	279	294	299
45	0.00	0.00	0.00	0.00	6.73	23.4	41.9	61.5	80.4	98.9	117	136	155	174	193	211	225	236	241
50	0.00	0.00	0.00	0.00	4.15	18.9	35.7	53.3	70.3	86.9	103	119	134	147	159	169	177	181	183
55	0.00	0.00	0.00	0.00	0.71	8.40	22.0	37.2	52.3	66.8	81.1	94.7	107	119	128	137	143	147	148
60	0.00	0.00	0.00	0.00	0.00	2.89	14.2	27.1	39.9	52.4	64.7	75.9	85.6	94.3	101	107	111	114	114
65	0.00	0.00	0.00	0.00	0.00	0.48	5.94	12.3	22.0	31.5	41.0	50.0	58.0	65.1	71.1	76.0	79.7	82.1	83.0
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75	7.70	14.5	21.1	27.4	33.3	38.6	43.0	46.8	49.5	51.2	51.7
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	3.17	6.57	9.89	13.1	16.1	18.8	21.1	23.0	24.5	25.5	25.9
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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$V(\beta)$ Range:-80 - 80DEG
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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	21.6	20.4	18.8	16.9	14.7	12.3	9.70	6.87	3.94	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-70	42.7	40.3	36.9	32.9	28.5	23.6	18.3	12.6	6.70	0.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-65	74.3	71.5	67.6	62.6	56.8	50.2	43.0	35.1	26.7	17.8	10.3	3.69	0.00	0.00	0.00	0.00	0.00	0.00
-60	105	101	96.3	90.1	82.7	74.2	64.6	54.2	43.1	31.3	17.9	5.43	0.00	0.00	0.00	0.00	0.00	0.00
-55	138	134	128	121	112	102	90.8	78.6	65.0	50.2	35.0	18.9	6.22	0.25	0.00	0.00	0.00	0.00
-50	170	164	158	149	138	126	112	97.6	81.0	63.2	46.0	26.3	9.60	0.00	0.00	0.00	0.00	0.00
-45	223	216	204	189	173	156	137	119	99.9	80.3	61.1	41.0	20.8	4.54	0.00	0.00	0.00	0.00
-40	275	262	245	224	202	179	155	133	111	89.6	68.5	47.6	24.6	5.43	0.00	0.00	0.00	0.00
-35	396	371	335	295	255	216	183	154	129	105	82.7	60.4	37.2	15.2	0.52	0.00	0.00	0.00
-30	510	467	411	350	290	240	199	165	137	112	87.9	64.2	40.7	17.0	0.00	0.00	0.00	0.00
-25	889	767	621	485	379	298	236	190	154	124	98.7	74.4	49.9	25.8	4.26	0.00	0.00	0.00
-20	1229	1011	774	574	431	328	252	198	158	126	100	74.9	49.5	25.1	3.34	0.00	0.00	0.00
-15	2606	1968	1322	856	570	401	295	223	175	138	110	83.9	58.1	32.7	9.41	0.00	0.00	0.00
-10	3772	2651	1650	998	628	425	305	226	175	138	110	82.8	56.5	30.5	6.91	0.00	0.00	0.00
-5	5627	3962	2362	1322	766	488	338	246	187	147	116	89.0	62.5	36.1	11.6	0.00	0.00	0.00
0	6903	4578	2559	1356	762	478	328	239	181	142	112	84.5	57.8	31.5	7.40	0.00	0.00	0.00
5	6413	4484	2639	1418	803	503	343	248	188	147	116	89.0	62.6	36.2	11.7	0.00	0.00	0.00
10	5238	3602	2118	1157	689	447	313	229	175	138	109	82.9	56.6	30.6	7.06	0.00	0.00	0.00
15	3698	2698	1715	1009	632	425	304	226	175	139	110	84.0	58.4	33.1	9.63	0.00	0.00	0.00
20	1807	1384	976	671	472	344	259	200	159	126	100	75.0	50.2	25.4	3.87	0.00	0.00	0.00
25	1247	1014	764	558	413	312	242	191	154	124	99.0	74.7	50.6	27.2	5.74	0.00	0.00	0.00
30	609	542	459	378	307	247	201	165	137	112	88.2	64.9	41.8	19.6	0.97	0.00	0.00	0.00
35	457	419	368	314	265	220	184	153	128	105	83.1	61.2	39.4	18.7	1.88	0.00	0.00	0.00
40	293	277	255	230	204	178	154	131	110	89.7	69.3	48.6	28.8	10.0	0.00	0.00	0.00	0.00
45	238	229	214	196	177	157	137	117	99.0	80.5	61.7	43.2	25.0	8.20	0.00	0.00	0.00	0.00
50	180	175	167	155	142	128	113	96.9	80.5	63.8	46.9	30.3	14.5	0.75	0.00	0.00	0.00	0.00
55	147	144	138	129	119	108	94.6	80.6	66.3	51.5	36.9	22.7	9.33	1.41	0.00	0.00	0.00	0.00
60	113	110	105	98.9	91.2	82.0	71.0	58.6	46.0	33.4	21.2	9.78	0.09	0.00	0.00	0.00	0.00	0.00
65	82.3	80.1	76.4	71.4	65.3	58.1	49.7	40.5	30.8	20.9	11.8	5.89	0.53	0.00	0.00	0.00	0.00	0.00
70	50.8	48.8	45.6	41.5	36.6	31.0	24.9	18.4	11.6	4.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	25.6	24.6	23.2	21.2	18.8	16.1	13.1	9.86	6.49	2.93	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

$H(\beta)$ Range:-90 - 90DEG
 $H(\beta)$ Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:27.1DEG
 Operators:QC1
 Test Date:2023-12-26

$V(\beta)$ Range:-80 - 80DEG
 $V(\beta)$ Interval: 5.0DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
 Humidity:61%
 Test Distance:8.300m [K=1.0000]
 Remarks: