

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

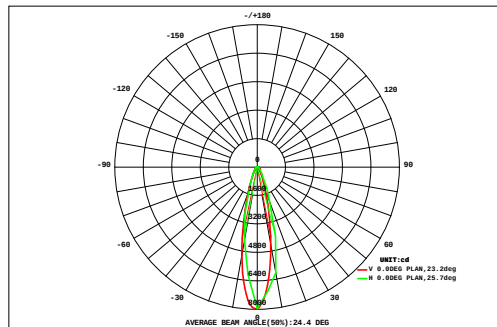
Maximum Intensity (Luminaire orientation as tested.)		3371.0 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of Imax	54.8V x 49.3H
	At 50% of Imax	25.6V x 23.2H
	At 90% of Imax	6.8V x 8.8H
Beam Flux	Total	999.8 lumens per klm.
	To 10% of Imax	696.1 lumens per klm.
	To 50% of Imax	317.7 lumens per klm.
	To 90% of Imax	34.9 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:27.1DEG
Operators:QC1
Test Date:2023-12-27

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:277.8V I:0.2237A P:60.09W PF:0.9668 Lamp Flux:2362.36x1 lm		
NAME: 8.01.017.0030 30°LWW-WZB-W55-L12-RDM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2023120035
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:



DATA OF LAMP		Eff:39.31lm/W	
MODELLWW-WZB-W55-L12-RDM	Imax(cd)	7964	
NOMINAL POWER(W)	60	AVAILABILITY(%)	69.5
RATED VOLTAGE(V)	278	Avai. FLUX(lm)	1642
NOMINAL FLUX(lm)	2362.36	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	2362
TEST VOLTAGE(V)	277.8	θ @50%(H,V)	23,26DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.61	0.78	0.95	1.15	1.34	1.54	1.72	1.87	1.95	1.96	1.89	1.75	1.57	1.37	1.16	0.97	0.79	0.62	24.0	0.00
45	0.74	0.94	1.15	1.38	1.63	1.89	2.12	2.30	2.39	2.37	2.25	2.05	1.80	1.54	1.29	1.06	0.85	0.67	28.4	0.00
40	0.78	1.01	1.30	1.65	2.09	2.60	3.16	3.69	4.04	4.07	3.79	3.28	2.72	2.19	1.71	1.34	1.04	0.80	41.3	0.00
35	0.92	1.21	1.58	2.07	2.68	3.41	4.21	4.94	5.35	5.27	4.75	3.98	3.19	2.48	1.88	1.43	1.09	0.83	51.3	0.00
30	0.92	1.25	1.72	2.41	3.44	5.05	7.37	10.1	12.2	12.4	10.5	7.79	5.42	3.72	2.58	1.84	1.33	0.97	91.0	62.9
25	1.08	1.50	2.15	3.14	4.71	7.27	10.9	15.1	17.6	17.0	13.5	9.49	6.24	4.09	2.75	1.91	1.35	0.97	121	95.4
20	1.03	1.45	2.11	3.24	5.32	9.51	17.0	27.4	36.2	37.3	29.7	19.1	10.9	6.19	3.71	2.39	1.61	1.12	215	194
15	1.19	1.73	2.62	4.27	7.57	14.4	26.4	41.8	52.5	50.1	36.9	21.9	11.7	6.34	3.69	2.33	1.55	1.07	288	268
10	1.07	1.53	2.29	3.63	6.31	12.0	23.2	39.4	53.6	55.7	43.9	27.6	14.9	7.75	4.34	2.66	1.75	1.19	303	283
5	1.20	1.77	2.74	4.55	8.41	16.6	31.8	50.9	63.4	59.6	42.8	24.9	12.8	6.60	3.77	2.36	1.57	1.09	337	318
0	1.04	1.46	2.12	3.21	5.18	9.02	16.1	26.5	36.3	38.7	31.7	20.9	12.0	6.71	3.95	2.51	1.68	1.16	220	199
-5	1.13	1.60	2.32	3.50	5.57	9.14	14.5	20.7	24.4	22.9	17.3	11.5	7.22	4.58	3.01	2.05	1.42	1.01	154	130
-10	0.94	1.28	1.77	2.49	3.53	5.18	7.73	11.1	14.2	15.3	13.4	9.88	6.64	4.37	2.96	2.06	1.46	1.05	105	78.1
-15	0.98	1.31	1.78	2.40	3.15	3.99	4.62	4.78	4.47	4.12	3.88	3.70	3.25	2.67	2.09	1.59	1.20	0.90	50.9	11.5
-20	0.82	1.07	1.39	1.81	2.34	2.99	3.73	4.52	5.15	5.34	4.99	4.26	3.42	2.67	2.04	1.56	1.19	0.90	50.2	2.80
-25	0.81	1.04	1.31	1.62	1.96	2.25	2.43	2.48	2.45	2.38	2.32	2.24	2.06	1.79	1.48	1.20	0.96	0.75	31.6	0.00
-30	0.67	0.86	1.07	1.31	1.58	1.84	2.10	2.31	2.46	2.49	2.40	2.21	1.96	1.69	1.41	1.16	0.93	0.73	29.2	0.00
-35	0.64	0.81	0.98	1.16	1.31	1.43	1.52	1.58	1.58	1.56	1.51	1.43	1.33	1.21	1.08	0.92	0.75	0.60	21.4	0.00
-40	0.64	0.81	0.98	1.16	1.31	1.43	1.52	1.58	1.58	1.56	1.51	1.43	1.33	1.21	1.08	0.92	0.75	0.60	21.4	0.00
-45	0.64	0.81	0.98	1.16	1.31	1.43	1.52	1.58	1.58	1.56	1.51	1.43	1.33	1.21	1.08	0.92	0.75	0.60	21.4	0.00
-45 -40 -35 -30 -25 -20 -15 -10 HORIZONTAL(DEG) 10 15 20 25 30 35 40 45																				
Φ t	16.6	22.6	31.3	45.0	68.1	110	181	271	340	339	267	178	109	68.0	44.9	31.3	22.5	16.4	2162	---
Φ a	0.00	0.00	0.00	1.14	27.7	80.6	155	246	315	313	241	153	81.1	28.5	0.22	0.00	0.00	0.00	---	1642

one-half-peak spread: U:10.7,D:15.1 , L:11.3,R:12.0

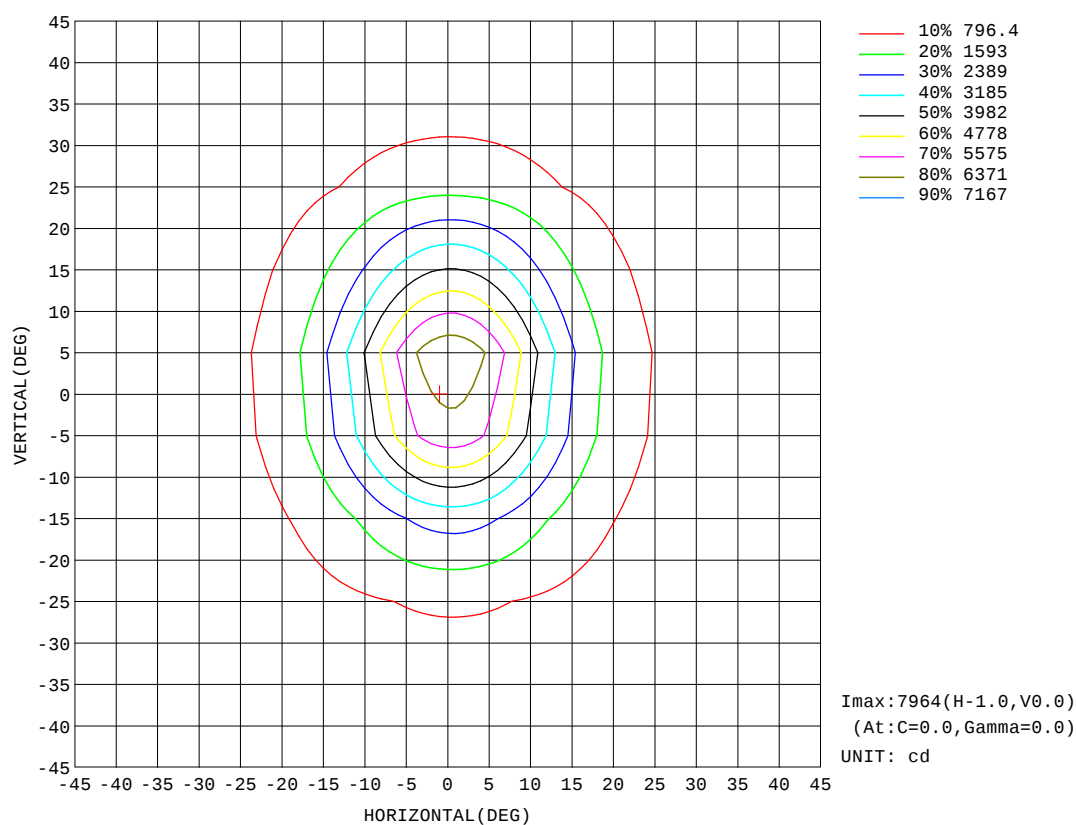
NEMA Beam Type: Type 4

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:27.1DEG
Operators:QC1
Test Date:2023-12-27

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

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NAME: 8.01.017.0030 30°LWW-WZB-W55-L12-RDM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2023120035
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

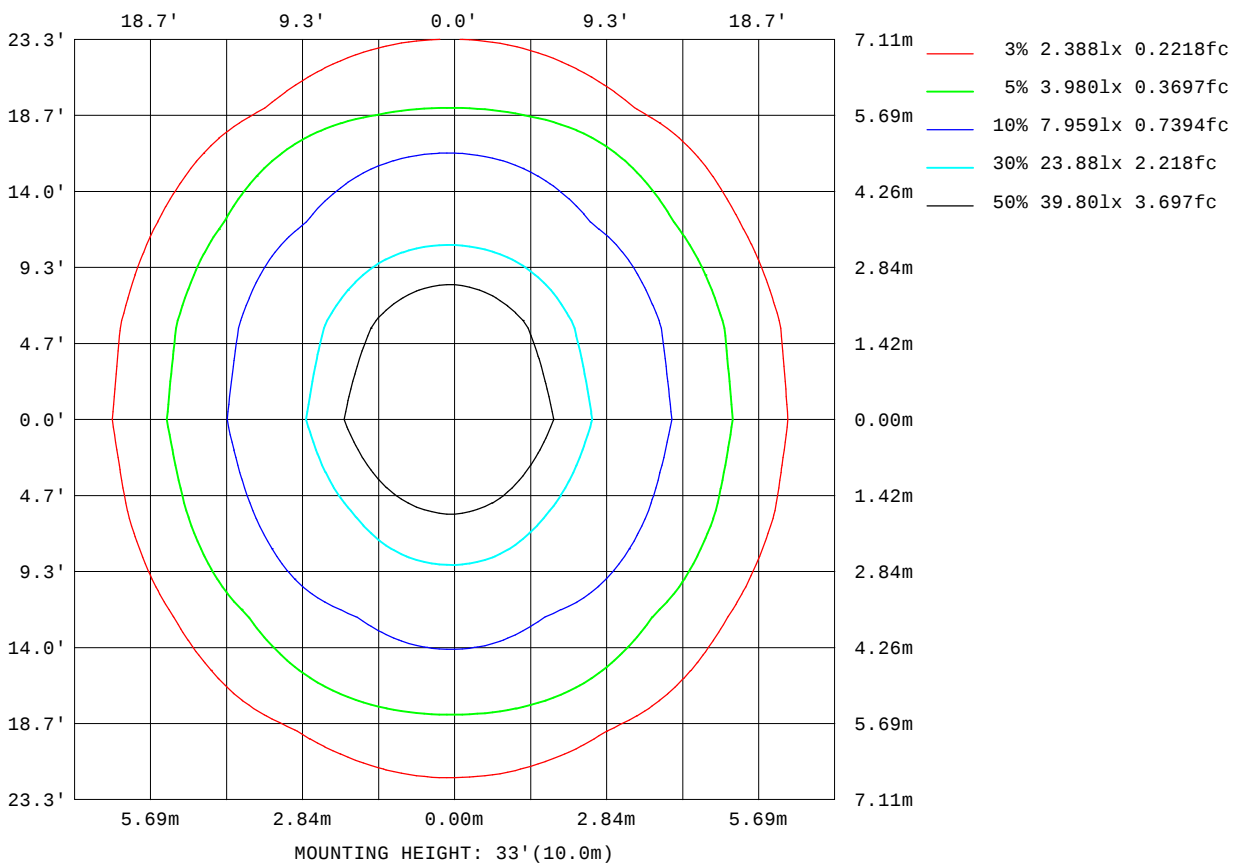


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Operators:QC1
Test Date:2023-12-27

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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:

ISOLUX DIAGRAM

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DIM.:	SPEC.:	SERIAL No.:2023120035
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

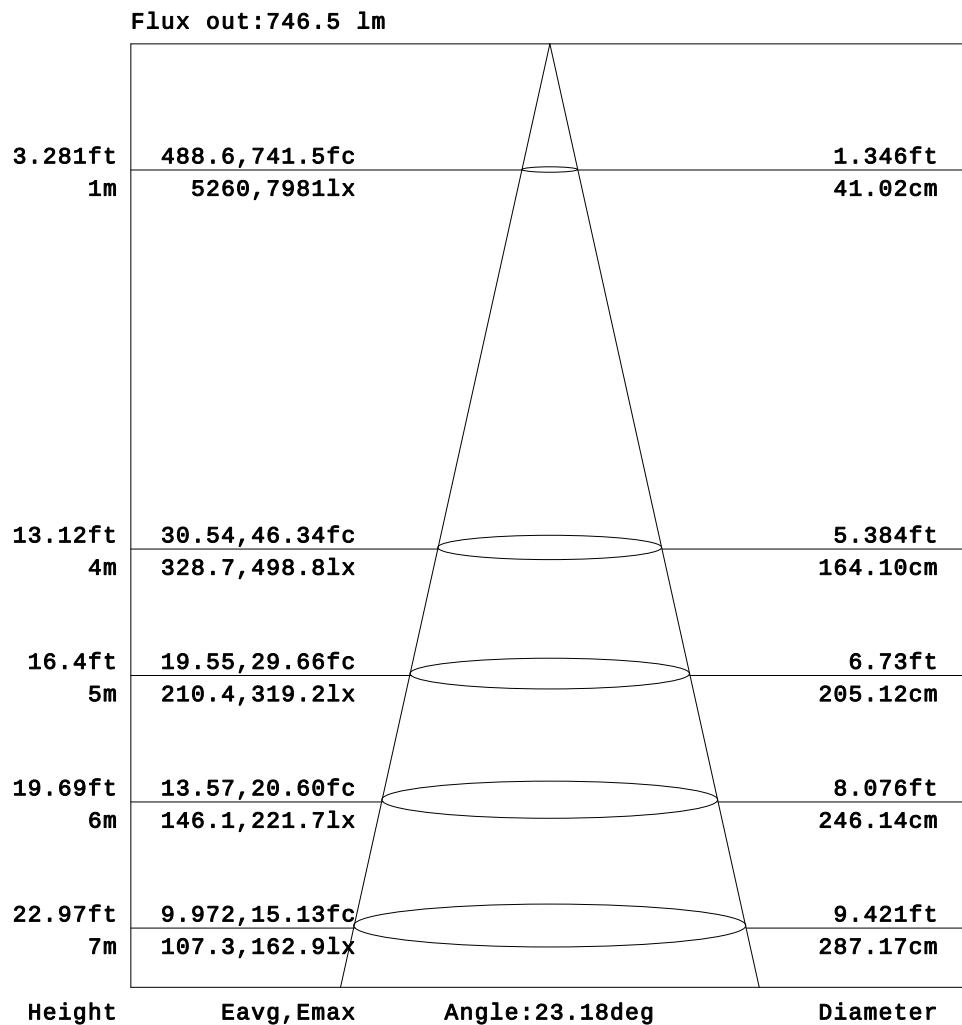


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H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:27.1DEG
Operators:QC1
Test Date:2023-12-27

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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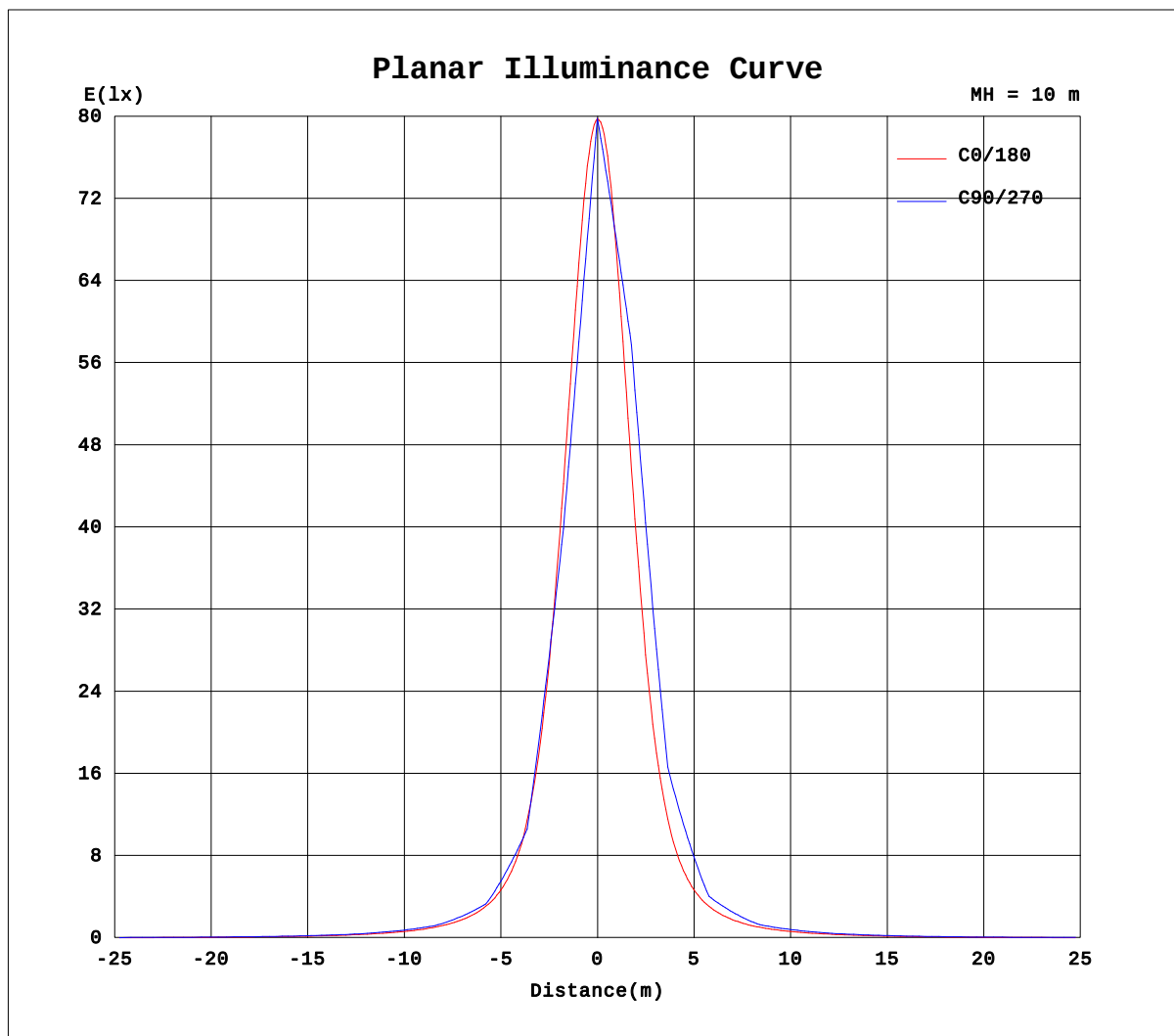


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:27.1DEG
Operators:QC1
Test Date:2023-12-27

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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V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
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LUMINOUS DISTRIBUTION INTENSITY DATA

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DIM.:	SPEC.:	SERIAL No.:2023120035
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	2.13	4.81	7.28	10.2	11.8	15.3	17.2	18.8	19.9	20.3
-70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.51	10.6	15.6	21.2	24.9	31.4	35.1	38.1	40.0	40.5
-65	0.00	0.00	0.00	0.00	0.00	0.00	1.14	6.50	13.2	21.3	28.2	37.0	45.5	51.2	58.3	63.2	67.2	69.7	70.7
-60	0.00	0.00	0.00	0.00	0.00	0.00	4.12	15.5	29.2	40.0	48.5	62.2	72.3	80.4	87.3	93.1	97.5	100	101
-55	0.00	0.00	0.00	0.00	0.00	2.50	10.8	24.6	39.9	55.5	69.4	83.3	95.5	105	114	122	127	131	132
-50	0.00	0.00	0.00	0.00	0.00	7.85	22.8	39.2	56.6	77.0	95.3	110	123	134	144	153	159	163	164
-45	0.00	0.00	0.00	0.00	1.02	11.6	27.8	49.1	69.1	89.0	109	127	145	163	179	193	205	213	216
-40	0.00	0.00	0.00	0.00	5.08	22.1	41.3	67.0	88.8	109	130	151	175	198	220	239	254	265	267
-35	0.00	0.00	0.00	0.00	6.32	26.5	47.8	72.1	95.0	117	141	168	199	235	274	313	348	376	388
-30	0.00	0.00	0.00	0.01	14.1	39.2	63.6	86.9	110	134	163	196	237	287	345	402	454	495	508
-25	0.00	0.00	0.00	0.94	17.0	41.2	65.5	89.1	113	140	172	213	269	343	440	562	703	830	893
-20	0.00	0.00	0.00	5.62	28.2	52.5	76.6	101	127	157	196	249	327	433	580	777	1008	1206	1278
-15	0.00	0.00	0.00	3.90	25.8	50.3	75.0	99.9	126	158	201	261	353	498	740	1150	1743	2386	2719
-10	0.00	0.00	0.00	10.2	33.2	58.1	83.3	109	138	175	226	303	428	640	1034	1735	2745	3773	4164
-5	0.00	0.00	0.00	6.66	29.3	54.3	79.6	105	133	169	220	298	426	658	1123	2035	3534	5209	6062
0	0.00	0.00	0.00	11.7	35.3	60.7	86.0	112	141	181	239	333	496	814	1491	2841	5014	7193	7953
5	0.00	0.00	0.00	6.70	29.3	54.2	79.4	105	133	170	222	303	439	693	1213	2265	4018	5989	6994
10	0.00	0.00	0.00	10.2	33.0	57.9	83.0	109	138	177	231	316	458	724	1258	2276	3833	5429	6024
15	0.00	0.00	0.00	4.97	26.6	50.6	75.2	100	127	161	206	273	380	559	887	1498	2440	3484	4014
20	0.00	0.00	0.00	7.83	29.4	53.0	77.4	102	129	161	204	264	358	494	713	1045	1480	1872	1999
25	0.00	0.00	0.00	2.27	21.4	43.7	67.0	91.0	116	143	178	224	289	379	513	706	957	1201	1313
30	0.00	0.00	0.00	3.01	22.0	43.4	66.1	89.5	113	138	168	205	252	309	380	460	541	604	624
35	0.00	0.00	0.00	0.30	13.9	33.4	54.4	76.5	98.6	121	145	174	207	246	293	344	396	437	455
40	0.00	0.00	0.00	0.00	13.3	31.5	51.3	72.4	92.7	112	133	154	177	201	226	250	269	283	286
45	0.00	0.00	0.00	0.00	5.20	20.6	38.1	57.0	75.7	93.6	112	130	148	167	185	202	217	227	230
50	0.00	0.00	0.00	0.00	2.34	16.4	32.1	49.3	65.9	81.8	97.5	113	127	140	152	161	169	173	174
55	0.00	0.00	0.00	0.00	0.27	6.76	19.2	33.7	48.2	62.3	76.0	89.0	101	112	122	129	135	139	141
60	0.00	0.00	0.00	0.00	0.00	1.06	11.7	24.1	36.2	48.3	59.8	70.3	79.5	87.9	94.8	100	104	107	107
65	0.00	0.00	0.00	0.00	0.00	0.02	4.73	10.7	19.1	28.4	37.4	45.8	53.4	60.2	66.1	70.7	74.3	76.5	77.4
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	5.78	12.2	18.4	24.4	30.1	35.0	39.3	42.9	45.5	47.1	47.5
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.25	5.43	8.61	11.6	14.5	17.0	19.3	21.1	22.5	23.4	23.8
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	0.00	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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DIM.:	SPEC.:	SERIAL No.:2023120035
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	19.9	18.8	17.2	15.4	13.3	10.9	8.42	5.70	2.92	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-70	39.4	37.0	33.8	29.9	25.7	20.9	15.8	10.3	4.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-65	69.7	66.9	63.1	58.3	52.8	46.4	39.4	31.7	23.7	15.5	9.03	2.76	0.00	0.00	0.00	0.00	0.00	0.00
-60	99.0	95.4	90.6	84.6	77.4	69.2	60.0	50.0	39.4	28.2	15.5	3.57	0.00	0.00	0.00	0.00	0.00	0.00
-55	131	127	121	114	106	95.9	85.2	73.2	60.4	46.4	31.8	16.3	5.08	0.00	0.00	0.00	0.00	0.00
-50	161	157	149	141	130	119	106	91.4	75.9	58.8	42.2	23.3	7.48	0.00	0.00	0.00	0.00	0.00
-45	213	205	193	180	164	148	130	112	94.1	75.1	56.5	37.2	17.8	3.13	0.00	0.00	0.00	0.00
-40	262	249	233	213	192	170	148	126	105	83.6	63.6	43.6	21.3	3.09	0.00	0.00	0.00	0.00
-35	381	356	321	282	243	206	175	147	122	99.2	77.1	55.7	33.3	12.4	0.02	0.00	0.00	0.00
-30	492	449	394	336	277	230	190	157	130	106	82.3	59.3	36.8	13.9	0.00	0.00	0.00	0.00
-25	855	737	594	465	362	284	225	181	147	118	93.1	69.2	45.4	22.3	2.40	0.00	0.00	0.00
-20	1179	969	738	548	411	312	240	189	151	120	94.4	69.2	44.9	21.6	1.41	0.00	0.00	0.00
-15	2500	1885	1262	816	543	382	280	212	166	131	104	78.1	53.0	28.7	6.58	0.00	0.00	0.00
-10	3616	2535	1576	949	597	404	288	214	165	131	103	76.8	51.3	26.5	4.21	0.00	0.00	0.00
-5	5421	3807	2257	1261	730	466	322	234	177	139	109	82.8	57.2	32.0	8.71	0.00	0.00	0.00
0	6663	4405	2449	1294	726	456	312	227	172	133	105	78.6	52.8	27.6	4.78	0.00	0.00	0.00
5	6222	4330	2502	1358	767	480	327	236	178	139	109	82.8	57.2	31.9	8.73	0.00	0.00	0.00
10	5113	3460	1989	1110	659	427	298	218	166	131	102	76.7	51.3	26.5	4.26	0.00	0.00	0.00
15	3616	2617	1624	970	606	407	290	216	166	131	103	78.1	53.2	28.8	6.52	0.00	0.00	0.00
20	1772	1346	943	647	452	330	248	191	151	120	94.0	69.6	45.2	21.9	1.42	0.00	0.00	0.00
25	1222	987	737	538	395	298	230	182	146	117	92.6	69.1	45.7	23.1	2.94	0.00	0.00	0.00
30	593	524	442	363	291	235	191	156	129	105	81.8	59.3	36.8	15.8	0.00	0.00	0.00	0.00
35	442	404	353	300	252	209	174	145	120	98.1	76.9	55.7	34.8	15.0	0.64	0.00	0.00	0.00
40	280	264	242	217	192	167	144	123	103	83.1	63.5	43.7	24.5	6.74	0.00	0.00	0.00	0.00
45	227	218	204	186	167	148	129	110	92.2	74.2	56.3	38.4	21.0	5.34	0.00	0.00	0.00	0.00
50	172	166	158	147	134	120	106	90.0	74.3	58.1	41.9	26.1	10.8	0.00	0.00	0.00	0.00	0.00
55	140	136	130	122	111	100	87.9	74.4	60.7	46.5	32.6	19.0	6.88	0.29	0.00	0.00	0.00	0.00
60	106	103	98.2	92.1	84.3	75.2	64.9	53.3	41.3	29.3	17.8	6.69	0.00	0.00	0.00	0.00	0.00	0.00
65	76.7	74.4	70.6	65.8	59.6	52.6	44.8	35.9	26.8	17.5	9.98	4.41	0.00	0.00	0.00	0.00	0.00	0.00
70	46.6	44.4	41.2	37.2	32.4	27.0	21.1	14.9	8.49	1.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	23.4	22.5	21.0	19.0	16.7	14.1	11.2	8.08	4.90	1.60	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:27.1DEG
 Operators:QC1
 Test Date:2023-12-27

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