

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

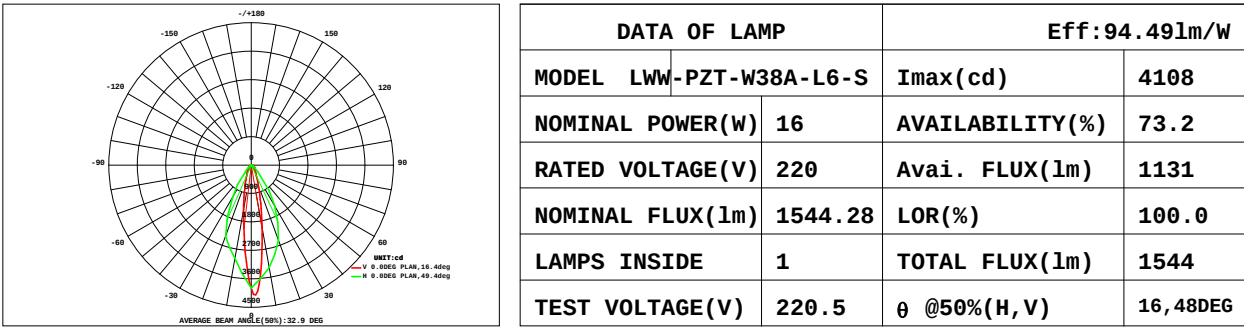
Maximum Intensity (Luminaire orientation as tested.)		2660.1 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of Imax	80.0V x 47.8H
	At 50% of Imax	48.4V x 16.4H
	At 90% of Imax	9.9V x 5.2H
Beam Flux	Total	999.6 lumens per klm.
	To 10% of Imax	726.9 lumens per klm.
	To 50% of Imax	306.6 lumens per klm.
	To 90% of Imax	25.1 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:2024-08-03

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:220.5V I:0.0766A P:16.34W PF:0.9683 Lamp Flux:1544.28x1 lm		
NAME: 8.01.016.0084 15x55° LWW-PZT-W38A-L6-S	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:202408016
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:



VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.00	0.00	0.01	0.07	0.23	0.41	0.58	0.73	0.82	0.82	0.73	0.60	0.45	0.29	0.14	0.03	0.01	0.00	5.92	0.00
	0.00	0.02	0.19	0.42	0.69	0.97	1.21	1.40	1.51	1.51	1.41	1.22	1.00	0.75	0.51	0.27	0.08	0.00	13.2	0.00
	0.01	0.13	0.40	0.72	1.04	1.35	1.66	1.95	2.19	2.22	2.01	1.71	1.40	1.10	0.80	0.50	0.22	0.04	19.5	0.00
	0.04	0.26	0.60	0.98	1.38	1.85	2.48	3.43	5.01	5.35	3.79	2.69	1.99	1.48	1.06	0.69	0.35	0.09	33.5	1.58
	0.08	0.37	0.75	1.19	1.74	2.55	3.83	6.32	12.0	13.6	7.58	4.35	2.83	1.93	1.31	0.83	0.45	0.15	61.9	29.1
	0.13	0.45	0.87	1.41	2.17	3.34	5.44	10.4	24.6	29.4	13.5	6.45	3.79	2.43	1.58	0.98	0.53	0.20	108	78.3
	0.17	0.51	0.99	1.62	2.55	4.04	7.10	14.7	36.4	43.9	19.5	8.65	4.67	2.87	1.80	1.10	0.59	0.23	151	124
	0.19	0.55	1.06	1.77	2.84	4.59	8.57	19.0	45.4	55.9	26.0	11.0	5.39	3.16	1.97	1.19	0.64	0.26	190	164
	0.20	0.58	1.11	1.86	3.00	4.91	9.56	22.0	52.1	65.9	30.4	12.5	5.80	3.32	2.05	1.23	0.66	0.27	217	192
	0.20	0.58	1.11	1.87	3.00	4.90	9.56	21.9	52.6	67.9	30.3	12.3	5.76	3.31	2.04	1.22	0.66	0.26	220	194
	0.17	0.54	1.05	1.76	2.84	4.52	8.05	16.9	40.2	51.4	24.2	10.4	5.23	3.09	1.94	1.17	0.64	0.25	174	148
-24	0.14	0.48	0.95	1.57	2.50	3.87	6.46	12.7	32.7	43.0	18.4	7.98	4.39	2.72	1.73	1.06	0.58	0.22	141	113
-32	0.11	0.42	0.85	1.37	2.04	3.04	4.87	8.72	20.5	26.6	12.3	5.84	3.49	2.28	1.50	0.94	0.51	0.19	95.6	65.9
-40	0.07	0.34	0.72	1.15	1.63	2.27	3.34	5.23	9.61	11.7	6.80	3.89	2.60	1.81	1.24	0.80	0.43	0.14	53.8	20.8
-48	0.03	0.22	0.56	0.91	1.30	1.67	2.08	2.68	2.93	2.89	2.84	2.34	1.80	1.36	0.98	0.63	0.31	0.08	25.6	0.00
-56	0.00	0.09	0.34	0.65	0.96	1.23	1.40	1.52	1.54	1.48	1.55	1.46	1.27	1.02	0.74	0.44	0.18	0.02	15.9	0.00
-64	0.00	0.01	0.12	0.32	0.54	0.78	0.99	1.14	1.31	1.34	1.25	1.08	0.87	0.65	0.41	0.21	0.05	0.00	11.1	0.00
-72	0.00	0.00	0.02	0.07	0.15	0.28	0.42	0.53	0.63	0.68	0.62	0.51	0.38	0.24	0.11	0.04	0.01	0.00	4.70	0.00
	-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL(DEG)				16	24	32	40	48	56	64	72
Φ t	1.54	5.58	11.7	19.7	30.6	46.6	77.6	151	342	426	203	95.0	53.1	33.8	21.9	13.3	6.90	2.40	1542	---
Φ a	0.00	0.00	0.00	0.00	0.00	0.00	32.5	124	323	409	180	59.4	1.91	0.00	0.00	0.00	0.00	0.00	---	1131

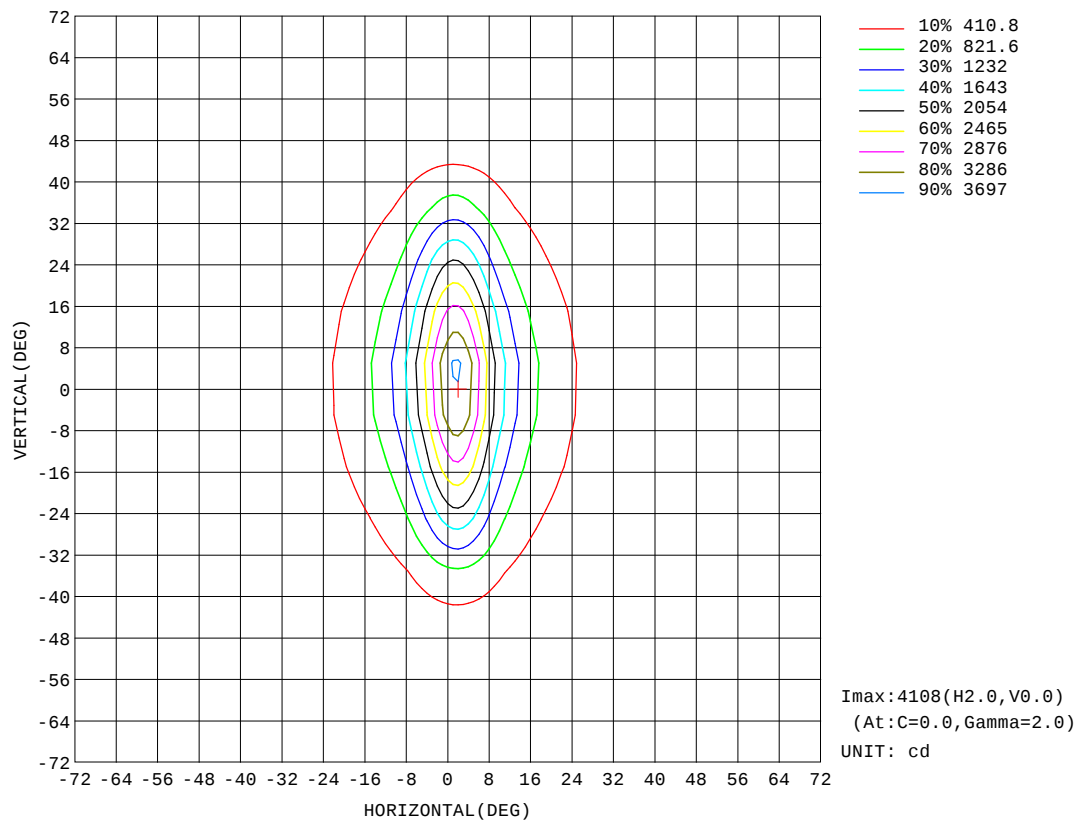
one-half-peak spread: U:23.8,D:25.0 , L:8.8,RNEMA Beam Type: Type 4 x 5 (H x V)

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-08-03

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

Test:U:220.5V I:0.0766A P:16.34W PF:0.9683 Lamp Flux:1544.28x1 lm		
NAME: 8.01.016.0084 15x55° LWW-PZT-W38A-L6-S	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:202408016
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

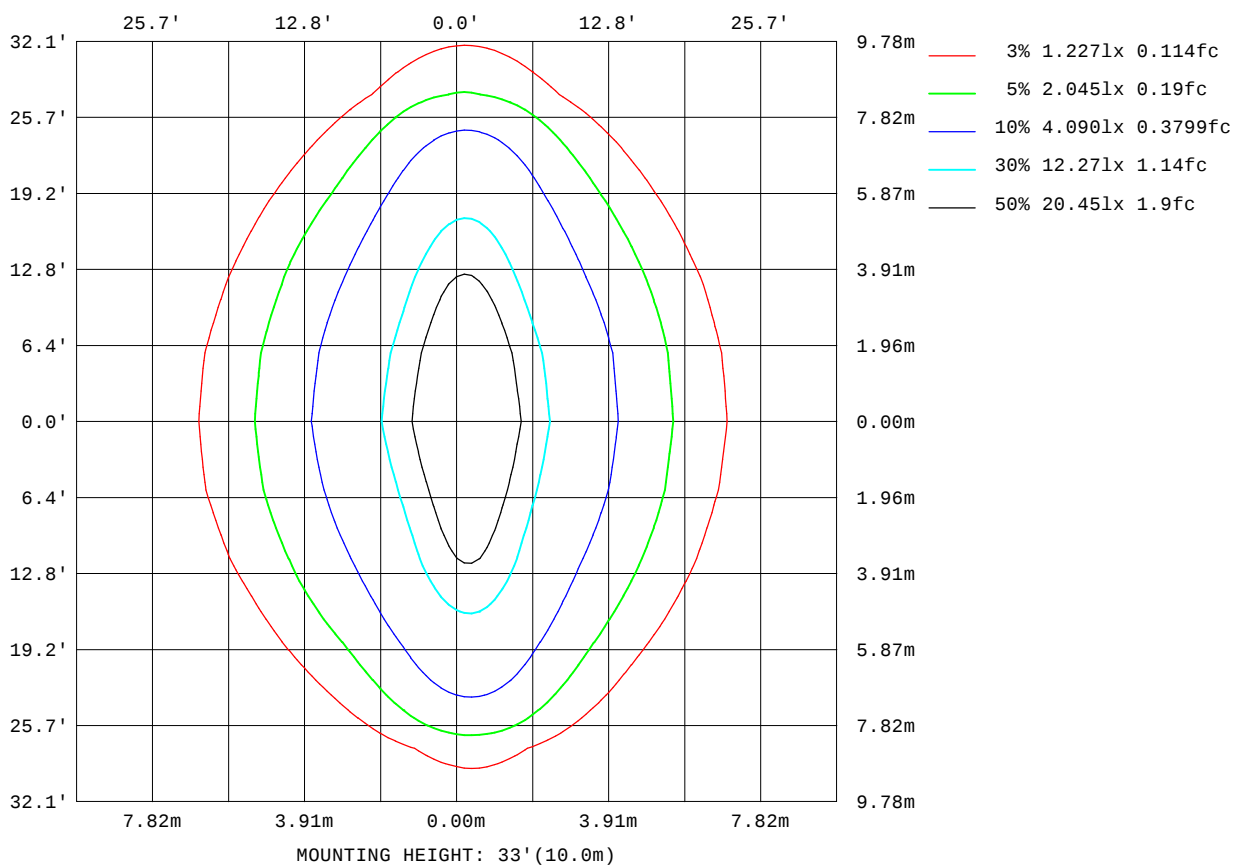


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V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:83%
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Remarks:

ISOLUX DIAGRAM

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DIM.:	SPEC.:	SERIAL No.:202408016
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

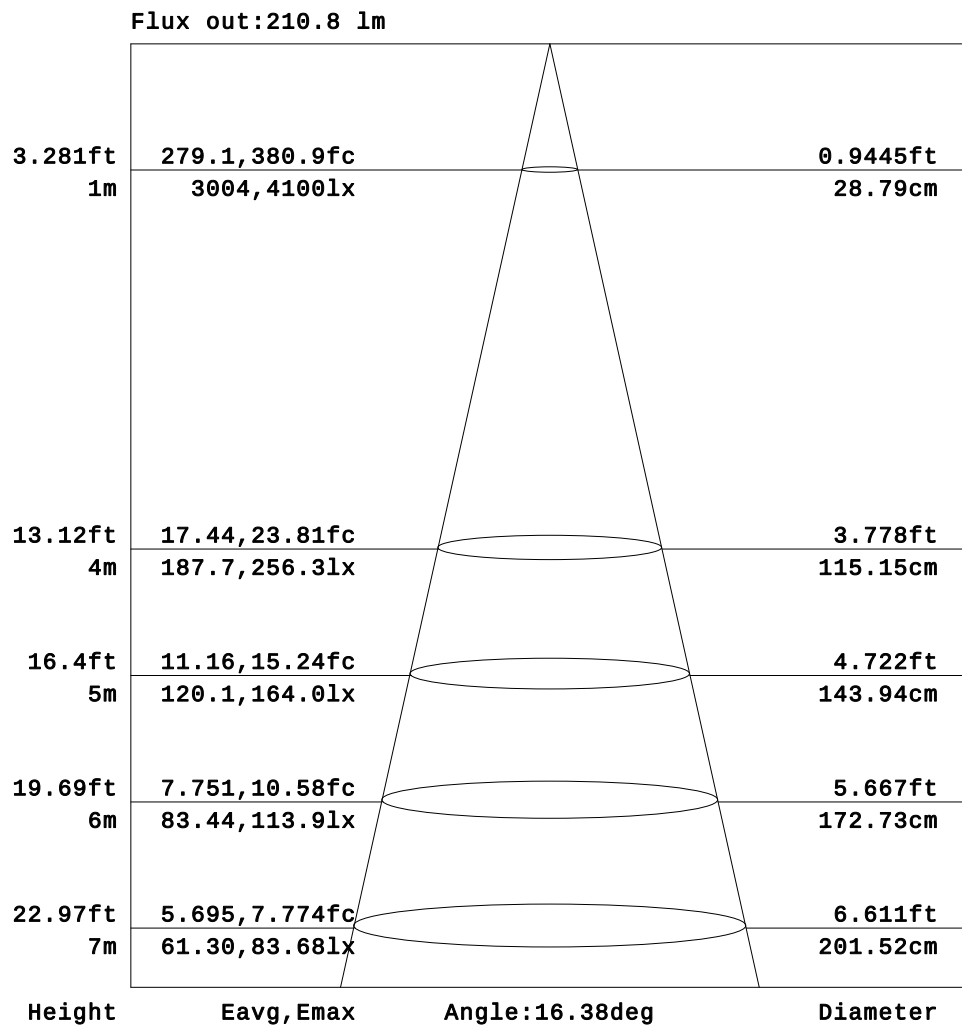


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H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-08-03

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

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DIM.:	SPEC.:	SERIAL No.:202408016
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

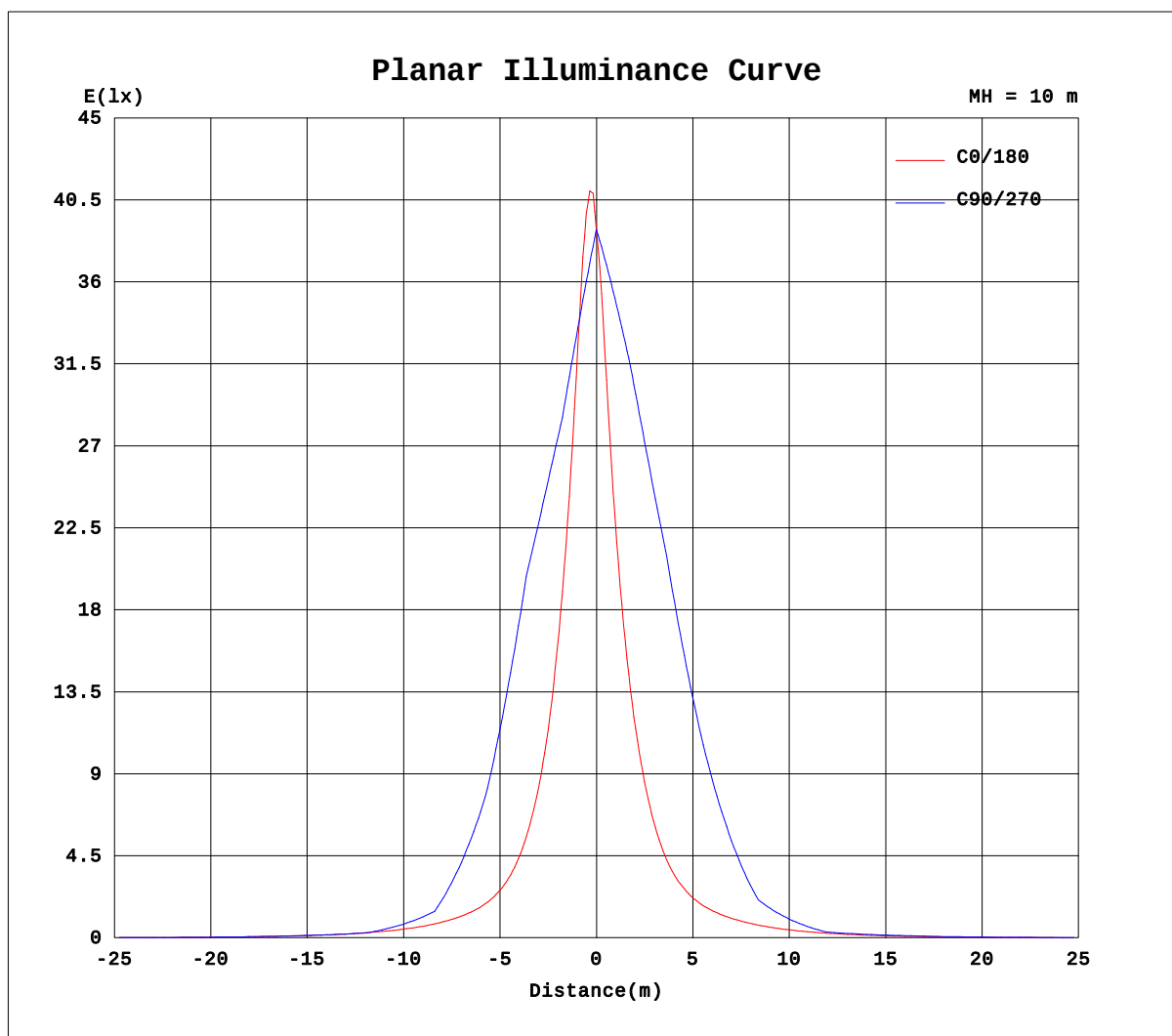


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-08-03

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



H(β) Range: -90 - 90DEG
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Test Speed: HIGH
Temperature: 28.0DEG
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Test Date: 2024-08-03

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

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NAME: 8.01.016.0084 15x55° LWW-PZT-W38A-L6-S	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:202408016
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	0.00	0.00	1.64	3.81	5.66	7.51	9.13	10.2	11.3	13.4	
-70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.27	7.61	11.3	15.0	18.3	20.5	22.5	26.8	
-65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.28	6.40	10.6	14.2	19.5	25.4	30.0	34.5	38.2	40.6	44.4	48.2	
-60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.56	12.8	21.2	28.4	35.8	43.2	48.8	54.0	58.1	60.8	66.4	69.5	
-55	0.00	0.00	0.00	0.00	0.00	0.58	6.18	14.2	25.3	35.1	43.5	52.1	59.5	65.2	70.0	74.4	79.7	85.9	88.5	
-50	0.00	0.00	0.00	0.00	0.00	1.16	12.4	23.8	37.9	49.1	58.7	68.4	75.9	81.7	86.1	90.7	98.7	105	107	
-45	0.00	0.00	0.00	0.00	0.00	7.30	20.3	34.4	48.4	60.3	71.1	82.0	92.2	102	114	132	157	190	218	
-40	0.00	0.00	0.00	0.00	0.00	13.4	28.2	45.0	58.9	71.4	83.4	95.7	108	121	142	173	215	274	328	
-35	0.00	0.00	0.00	0.00	3.03	18.4	35.0	51.7	66.6	80.9	95.3	110	128	155	192	247	341	529	758	
-30	0.00	0.00	0.00	0.00	6.07	23.5	41.9	58.5	74.2	90.4	107	124	147	188	242	320	467	785	1188	
-25	0.00	0.00	0.00	0.00	8.45	26.6	45.5	62.8	80.3	98.5	120	144	175	223	295	408	628	1124	1791	
-20	0.00	0.00	0.00	0.00	10.8	29.8	49.1	67.1	86.3	107	133	164	203	258	348	495	789	1464	2394	
-15	0.00	0.00	0.00	0.00	13.4	32.8	52.3	71.5	91.4	114	142	177	221	286	397	591	954	1702	2693	
-10	0.00	0.00	0.00	0.00	16.0	35.8	55.5	75.9	96.5	121	151	190	239	314	446	686	1118	1940	2993	
-5	0.00	0.00	0.00	0.00	17.4	37.4	57.5	77.9	99.0	124	155	194	245	330	482	766	1274	2205	3441	
0	0.00	0.00	0.00	0.00	18.8	39.1	59.5	79.9	102	127	159	198	252	345	518	846	1430	2471	3889	
5	0.00	0.00	0.00	0.01	18.1	38.2	58.3	78.5	99.7	125	155	194	247	335	496	802	1346	2325	3588	
10	0.00	0.00	0.00	0.03	17.4	37.3	57.1	77.0	97.8	122	152	191	242	325	473	758	1263	2179	3287	
15	0.00	0.00	0.00	0.01	16.0	35.4	54.7	73.8	93.6	116	144	179	226	299	427	660	1092	1924	2907	
20	0.00	0.00	0.00	0.00	14.5	33.5	52.2	70.6	89.4	110	136	168	210	273	381	563	922	1669	2528	
25	0.00	0.00	0.00	0.00	11.5	29.9	47.9	65.3	82.7	102	124	151	188	241	326	469	750	1337	2004	
30	0.00	0.00	0.00	0.00	8.59	26.2	43.5	59.9	76.0	92.6	112	135	167	209	272	375	579	1006	1481	
35	0.00	0.00	0.00	0.00	5.06	21.5	38.1	53.8	68.7	83.3	99.1	118	143	175	221	293	428	694	973	
40	0.00	0.00	0.00	0.00	1.54	16.7	32.6	47.8	61.4	74.0	86.5	101	119	141	171	212	277	381	466	
45	0.00	0.00	0.00	0.00	0.77	10.6	24.9	39.0	52.3	64.4	75.6	86.8	99.4	114	133	158	195	251	296	
50	0.00	0.00	0.00	0.00	0.00	4.47	17.1	30.3	43.2	54.8	64.8	72.9	80.2	87.6	95.6	104	113	121	125	
55	0.00	0.00	0.00	0.00	0.00	2.23	9.07	20.1	31.1	41.5	50.9	59.2	66.8	73.9	81.0	87.7	93.7	99.0	102	
60	0.00	0.00	0.00	0.00	0.00	0.00	1.03	9.86	19.0	28.2	37.0	45.5	53.3	60.2	66.3	71.1	74.7	77.3	78.4	
65	0.00	0.00	0.00	0.00	0.00	0.00	0.51	4.93	9.51	15.0	21.9	28.7	35.1	40.8	46.0	50.2	53.5	55.8	56.7	
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.70	6.83	11.9	16.8	21.4	25.6	29.3	32.3	34.4	35.1	
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.85	3.41	5.93	8.39	10.7	12.8	14.6	16.1	17.2	17.5	
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	

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
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V(B) Interval: 5.0DEG
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Humidity:83%
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DIM.:	SPEC.:	SERIAL No.:202408016
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	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	13.2	12.4	11.3	9.87	8.25	6.45	4.57	2.63	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-70	26.3	24.9	22.7	19.7	16.5	12.9	9.14	5.25	1.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-65	47.6	45.9	43.1	39.5	35.3	30.7	25.7	20.3	14.6	10.1	6.08	2.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-60	69.0	66.8	63.5	59.2	54.1	48.5	42.3	35.3	27.9	20.1	12.2	4.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-55	87.8	85.0	80.8	75.5	69.7	63.7	57.2	49.9	41.7	32.7	23.0	13.1	5.00	0.00	0.00	0.00	0.00	0.00	0.00
-50	107	103	98.0	91.8	85.4	78.9	72.2	64.5	55.6	45.2	33.9	21.9	10.0	0.00	0.00	0.00	0.00	0.00	0.00
-45	212	179	149	128	111	98.3	87.0	76.4	65.9	54.9	42.8	29.8	16.5	4.05	0.00	0.00	0.00	0.00	0.00
-40	317	255	201	164	137	118	102	88.3	76.3	64.5	51.8	37.8	22.9	8.10	0.00	0.00	0.00	0.00	0.00
-35	710	466	306	224	177	145	121	103	87.4	73.3	59.1	44.1	28.4	12.4	0.28	0.00	0.00	0.00	0.00
-30	1102	677	411	284	216	172	141	118	98.4	82.0	66.4	50.4	33.8	16.7	0.56	0.00	0.00	0.00	0.00
-25	1627	932	535	355	258	199	160	131	108	88.9	71.7	54.6	37.3	19.5	2.45	0.00	0.00	0.00	0.00
-20	2153	1187	659	426	300	226	179	144	118	95.8	76.9	58.8	40.8	22.3	4.35	0.00	0.00	0.00	0.00
-15	2440	1404	797	501	340	247	193	155	126	102	81.1	62.2	43.3	24.4	5.89	0.00	0.00	0.00	0.00
-10	2727	1621	935	576	379	268	207	165	133	107	85.4	65.5	45.9	26.5	7.43	0.00	0.00	0.00	0.00
-5	3097	1806	1033	622	398	279	213	170	136	109	86.5	66.2	46.6	27.1	8.01	0.00	0.00	0.00	0.00
0	3467	1991	1131	669	417	289	220	175	139	111	87.6	67.0	47.3	27.7	8.59	0.00	0.00	0.00	0.00
5	3201	1873	1076	643	406	283	216	172	137	110	87.0	66.5	46.9	27.4	8.38	0.00	0.00	0.00	0.00
10	2934	1754	1021	616	395	277	212	169	136	109	86.5	66.1	46.5	27.1	8.16	0.00	0.00	0.00	0.00
15	2553	1498	869	539	358	258	201	160	129	104	82.8	63.2	44.2	25.2	6.77	0.00	0.00	0.00	0.00
20	2172	1243	717	462	321	240	189	151	122	99.1	79.0	60.2	41.9	23.3	5.39	0.00	0.00	0.00	0.00
25	1728	1002	589	390	280	213	170	138	113	92.1	73.8	56.1	38.6	20.7	3.43	0.00	0.00	0.00	0.00
30	1285	762	461	317	238	187	151	125	104	85.1	68.6	52.0	35.3	18.0	1.47	0.00	0.00	0.00	0.00
35	855	540	350	253	196	159	131	110	92.3	76.6	61.7	46.3	30.4	14.0	0.73	0.00	0.00	0.00	0.00
40	425	318	239	190	155	130	111	94.6	81.0	68.0	54.8	40.6	25.4	10.1	0.00	0.00	0.00	0.00	0.00
45	274	217	173	145	123	107	93.5	81.7	70.6	59.3	46.9	33.4	19.4	5.67	0.00	0.00	0.00	0.00	0.00
50	124	117	108	99.7	91.4	83.7	76.4	68.8	60.2	50.6	39.0	26.1	13.4	1.26	0.00	0.00	0.00	0.00	0.00
55	101	96.1	89.7	83.2	76.4	69.5	62.8	55.5	47.2	38.3	28.1	17.1	6.69	0.63	0.00	0.00	0.00	0.00	0.00
60	77.7	75.4	71.3	66.7	61.4	55.4	49.3	42.3	34.3	26.1	17.2	8.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00
65	56.1	53.9	50.5	46.8	42.3	37.2	32.2	26.6	20.3	14.0	8.60	4.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
70	34.4	32.4	29.7	26.9	23.1	19.1	15.0	10.8	6.36	1.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	17.2	16.2	14.9	13.4	11.6	9.53	7.51	5.41	3.18	0.93	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
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

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-08-03

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: