

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

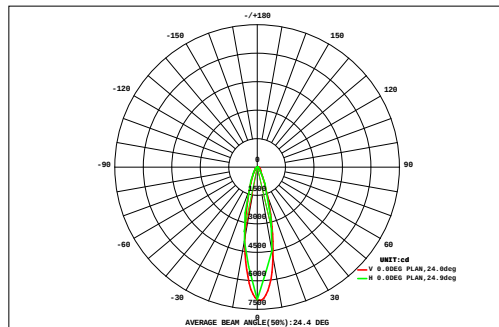
Maximum Intensity (Luminaire orientation as tested.)		3371.2 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of Imax	54.4V x 52.2H
	At 50% of Imax	25.0V x 24.0H
	At 90% of Imax	5.9V x 9.3H
Beam Flux	Total	999.9 lumens per klm.
	To 10% of Imax	706.3 lumens per klm.
	To 50% of Imax	306.8 lumens per klm.
	To 90% of Imax	31.5 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:28.0DEG
Operators:QC1
Test Date:2024-08-05

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:221.0V I:0.2504A P:34.46W PF:0.6225 Lamp Flux:2084.82x1 lm		
NAME: 8.01.017.0087 30°LWW-WZB-W55-L6-RDM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:202408017
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:



DATA OF LAMP		Eff:60.51lm/W	
MODEL LWW-WZB-W55-L6-RDM	Imax(cd)	7028	
NOMINAL POWER(W)	34	AVAILABILITY(%)	70.7
RATED VOLTAGE(V)	222	Avai. FLUX(lm)	1473
NOMINAL FLUX(lm)	2084.82	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	2085
TEST VOLTAGE(V)	221.0	θ @50%(H,V)	24, 25DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM															UNIT:lm				Φ t	Φ a
	45	0.44	0.58	0.73	0.89	1.06	1.23	1.39	1.52	1.62	1.66	1.65	1.58	1.46	1.31	1.14	0.96	0.79	0.64	20.6	0.00
	40	0.60	0.77	0.96	1.16	1.38	1.59	1.79	1.95	2.05	2.07	2.01	1.88	1.70	1.48	1.25	1.04	0.84	0.66	25.2	0.00
	35	0.59	0.79	1.03	1.32	1.66	2.05	2.48	2.89	3.23	3.39	3.34	3.08	2.69	2.25	1.81	1.44	1.12	0.86	36.0	0.00
	30	0.78	1.04	1.37	1.77	2.25	2.81	3.41	3.96	4.34	4.42	4.19	3.70	3.09	2.47	1.93	1.48	1.13	0.85	45.0	0.00
	25	0.74	1.00	1.37	1.88	2.61	3.63	5.03	6.75	8.40	9.30	8.93	7.52	5.75	4.19	2.99	2.14	1.54	1.11	74.9	48.3
	20	0.96	1.34	1.87	2.67	3.82	5.51	7.80	10.4	12.5	12.9	11.4	8.84	6.31	4.34	2.99	2.07	1.46	1.04	98.2	75.0
	15	0.84	1.19	1.69	2.48	3.81	6.14	10.3	16.8	24.1	28.3	26.6	20.1	13.0	7.87	4.78	3.02	1.99	1.34	174	155
	10	1.09	1.59	2.36	3.66	6.00	10.3	18.1	28.8	38.0	39.8	32.7	21.8	12.7	7.21	4.24	2.65	1.71	1.16	234	216
	5	0.88	1.26	1.85	2.81	4.51	7.84	14.4	26.0	39.9	48.3	45.4	33.2	20.0	11.0	6.05	3.56	2.24	1.47	271	253
	0	1.12	1.65	2.55	4.10	7.10	13.2	24.9	42.0	56.0	57.2	45.2	28.1	15.2	7.84	4.41	2.69	1.74	1.18	316	299
	-5	0.85	1.21	1.72	2.52	3.85	6.18	10.6	18.4	28.7	36.1	35.1	26.8	16.8	9.64	5.51	3.33	2.12	1.41	211	192
	-10	1.04	1.49	2.18	3.28	5.16	8.41	13.8	20.3	24.8	24.2	18.8	12.6	7.84	4.99	3.28	2.21	1.50	1.05	157	137
	-15	0.75	1.04	1.42	1.95	2.73	3.85	5.56	8.31	11.8	14.7	14.7	12.2	8.62	5.68	3.74	2.51	1.73	1.21	102	78.7
	-20	0.86	1.18	1.60	2.18	2.93	3.82	4.67	5.07	4.80	4.10	3.56	3.14	2.89	2.49	2.01	1.56	1.18	0.87	48.9	13.2
	-25	0.62	0.83	1.09	1.41	1.81	2.31	2.91	3.62	4.35	4.87	4.91	4.44	3.69	2.90	2.22	1.69	1.27	0.95	45.9	5.46
	-30	0.67	0.86	1.11	1.38	1.65	1.90	2.07	2.11	2.02	1.89	1.81	1.76	1.67	1.50	1.30	1.08	0.87	0.68	26.4	0.00
	-35	0.47	0.62	0.79	0.97	1.18	1.40	1.61	1.82	1.99	2.08	2.08	1.98	1.81	1.57	1.33	1.10	0.89	0.70	24.4	0.00
	-40	0.48	0.61	0.74	0.88	1.00	1.11	1.19	1.23	1.24	1.23	1.19	1.13	1.06	0.97	0.86	0.74	0.62	0.50	16.8	0.00
-45	-40	-35	-30	-25	-20	-15	-10	HORIZONTAL(DEG)				10	15	20	25	30	35	40	45		
Φ t	13.8	19.0	26.4	37.3	54.5	83.3	132	202	270	297	264	194	126	79.7	51.8	35.3	24.7	17.7	1928	---	
Φ a	0.00	0.00	0.00	0.82	17.7	55.3	107	180	248	276	243	173	105	52.7	15.4	0.18	0.00	0.00	---	1473	

one-half-peak spread: U:11.9,D:13.4 , L:11.8,R:12.4

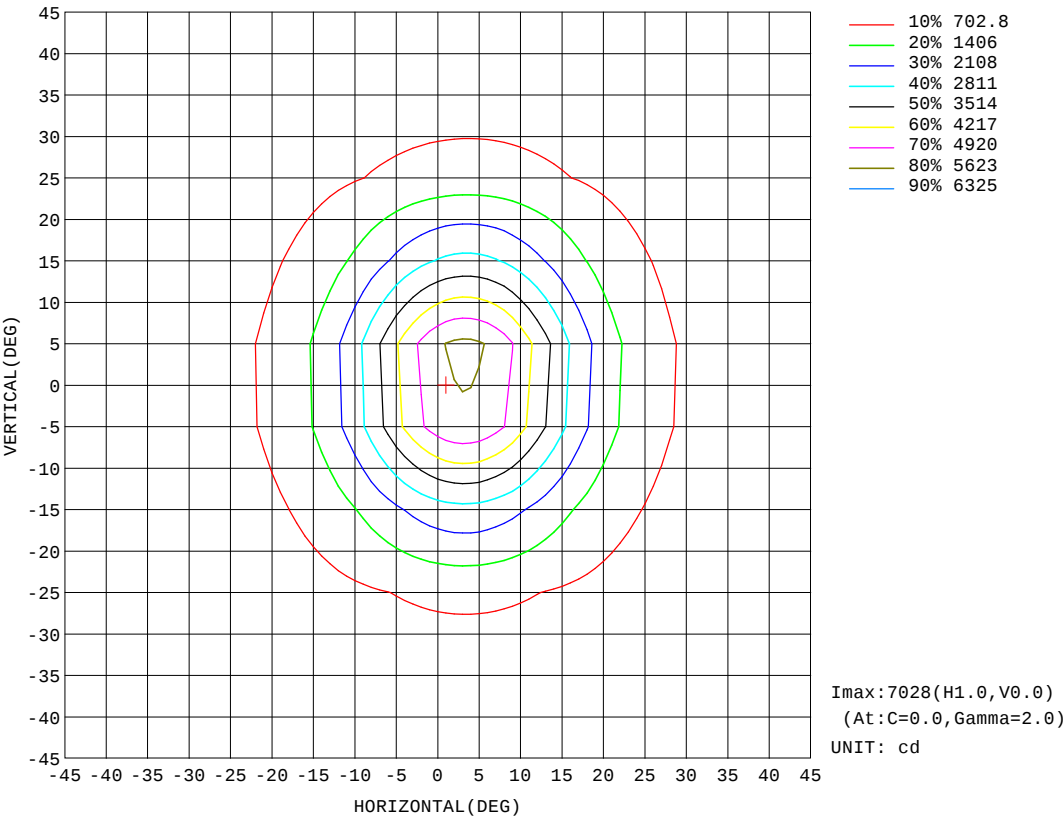
NEMA Beam Type: Type 4

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-08-05

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: 8.01.017.0087 30°LWW-WZB-W55-L6-RDM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:202408017
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

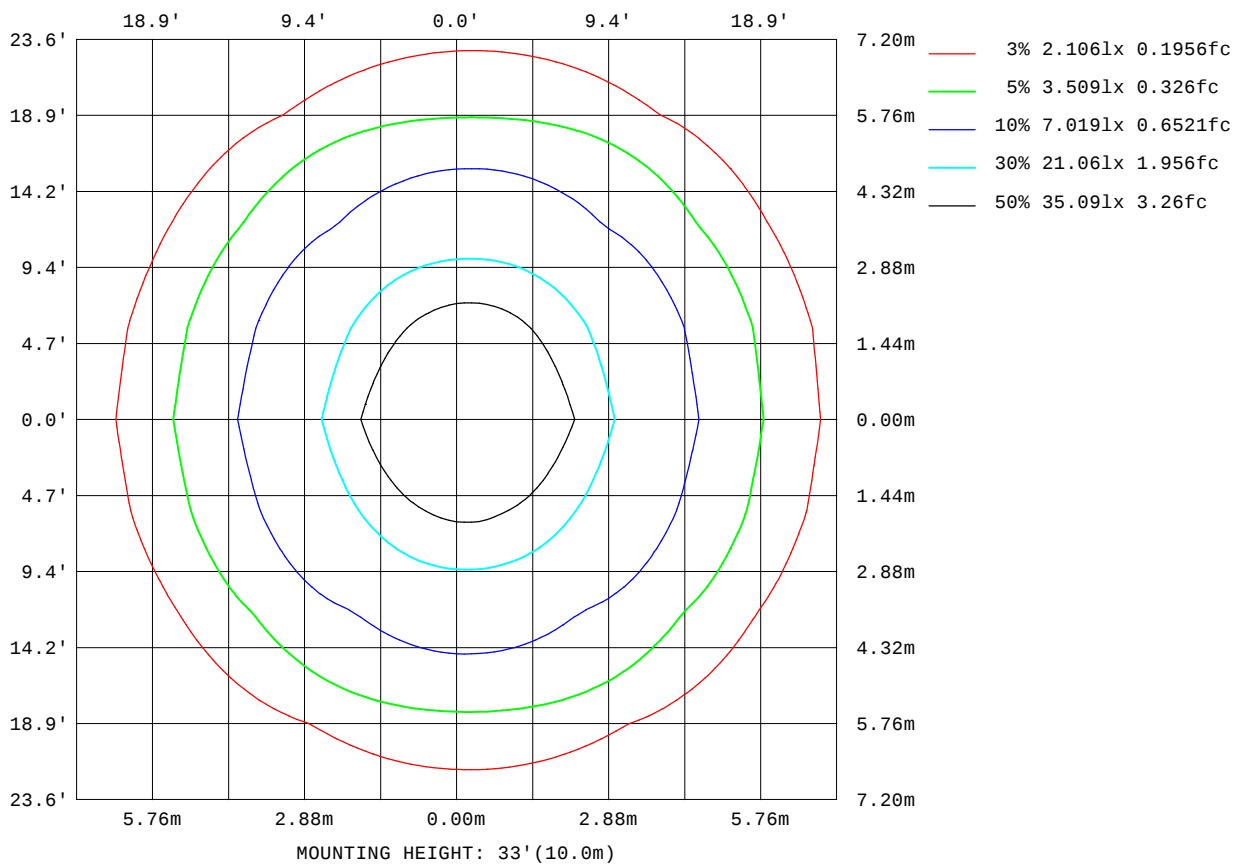


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ISOLUX DIAGRAM

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DIM.:	SPEC.:	SERIAL No.:202408017
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

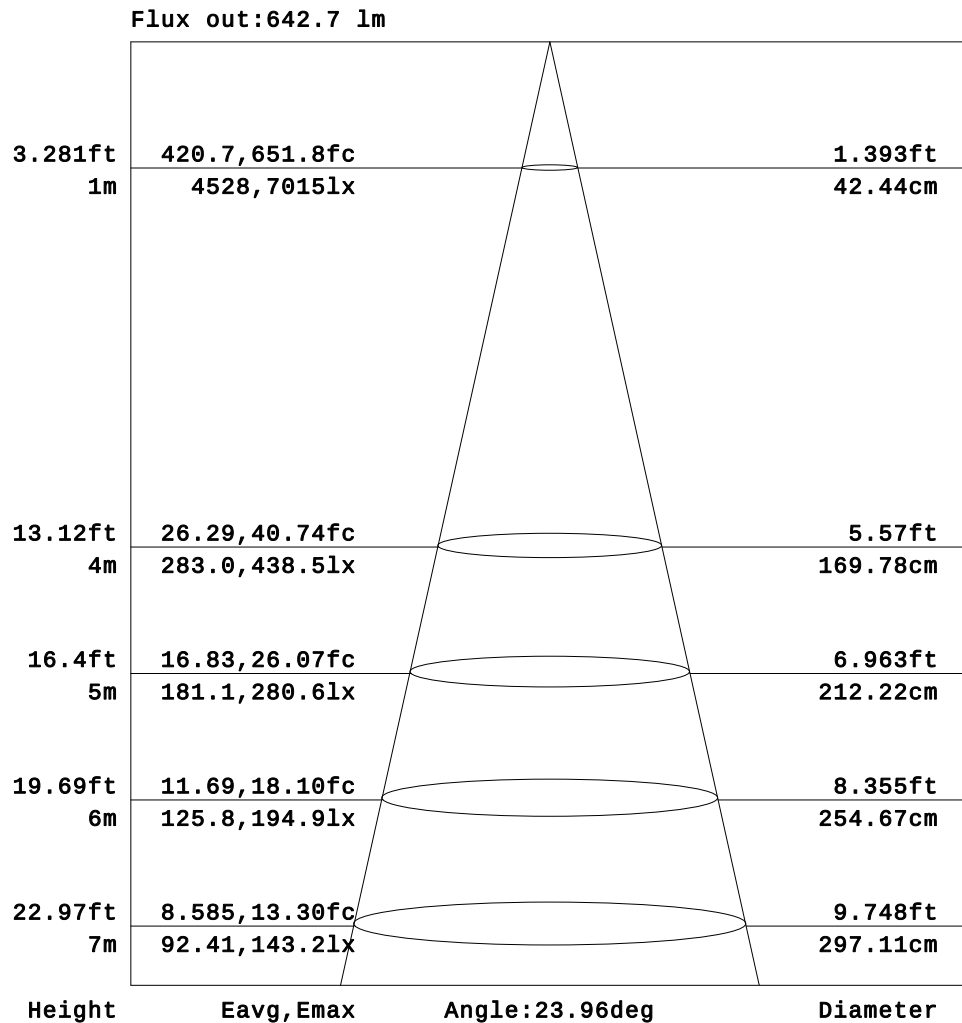


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-08-05

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.:202408017
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

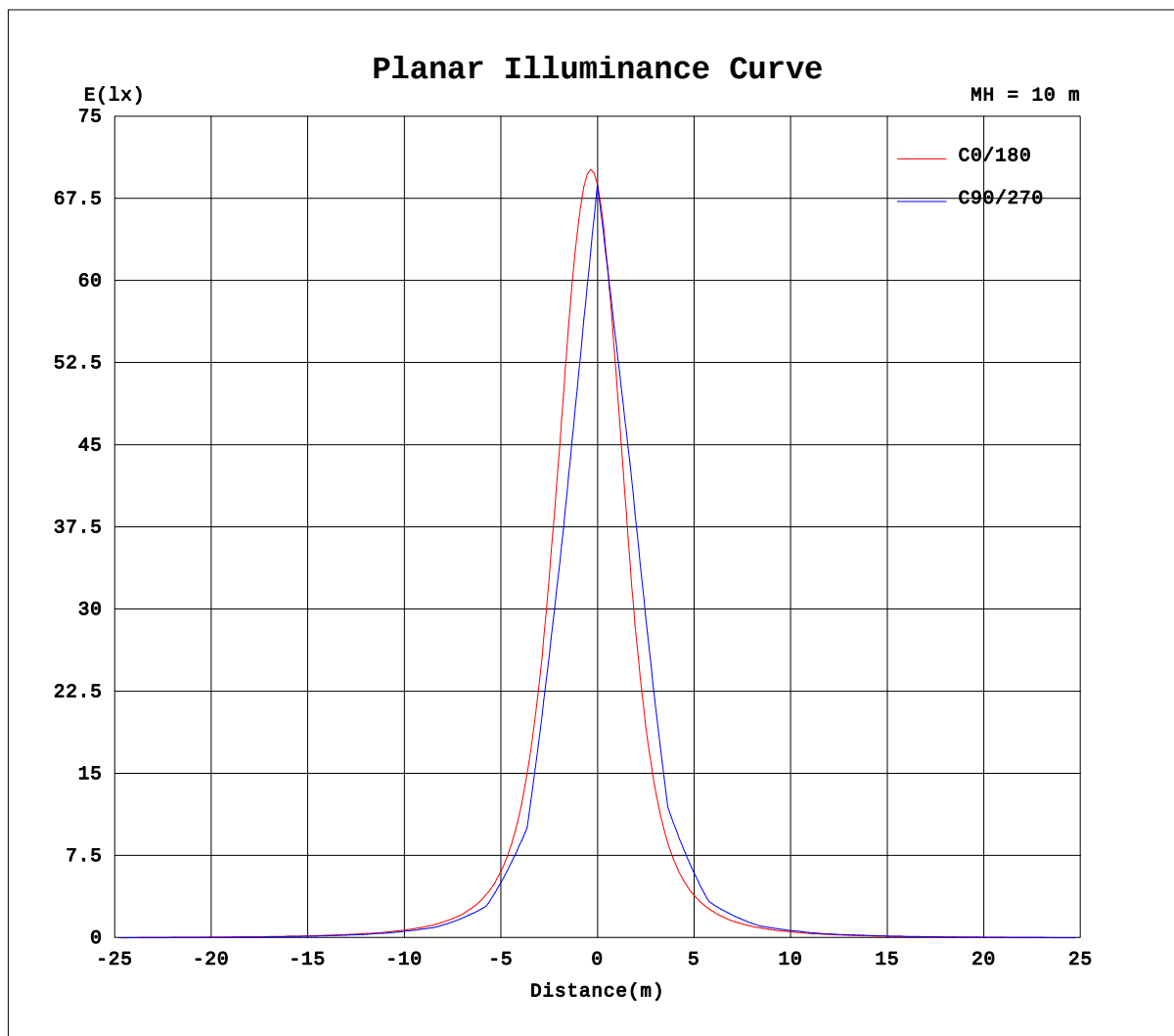


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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H(β) Interval: 1.0DEG
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Test Date:2024-08-05

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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V(B) Range: -80 - 80DEG
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Humidity: 83%
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LUMINOUS DISTRIBUTION INTENSITY DATA

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DIM.:									SPEC.:			SERIAL No.:202408017					
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	0.00	1.02	3.03	4.88	6.54	7.98	9.11	9.90								
-70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.69	7.56	11.1	14.3	16.9	18.9	20.2								
-65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.77	7.33	11.7	16.0	20.9	26.5	31.5	35.9	39.4	42.1	43.9								
-60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.66	9.39	18.2	26.9	35.1	42.8	49.6	55.6	60.5	64.3	67.0	68.5								
-55	0.00	0.00	0.00	0.00	0.00	0.00	1.69	8.44	17.9	29.2	40.2	50.6	60.4	69.3	77.2	84.0	89.5	93.5	95.9								
-50	0.00	0.00	0.00	0.00	0.00	0.00	9.25	21.4	35.6	49.1	61.9	74.1	85.4	95.6	105	112	118	122	124								
-45	0.00	0.00	0.00	0.00	0.00	2.28	11.5	27.3	42.9	58.4	73.8	88.8	104	118	132	145	156	165	170								
-40	0.00	0.00	0.00	0.00	0.00	9.43	26.5	44.8	62.6	80.2	97.7	115	134	152	170	187	202	212	217								
-35	0.00	0.00	0.00	0.00	0.00	9.25	26.6	46.7	66.3	86.2	107	129	155	184	215	249	281	309	327								
-30	0.00	0.00	0.00	0.00	3.64	21.8	43.0	64.3	85.8	108	133	162	199	240	287	336	385	424	444								
-25	0.00	0.00	0.00	0.00	1.27	18.9	40.2	63.2	86.4	111	139	174	221	281	361	464	590	721	818								
-20	0.00	0.00	0.00	0.00	10.3	32.9	56.4	80.6	106	135	171	220	286	382	511	687	903	1109	1226								
-15	0.00	0.00	0.00	0.00	4.57	26.5	50.4	75.3	101	131	169	221	296	411	596	900	1385	2002	2505								
-10	0.00	0.00	0.00	0.00	15.2	38.9	64.2	90.4	119	154	204	276	386	568	889	1448	2349	3363	3973								
-5	0.00	0.00	0.00	0.00	7.49	30.4	55.6	81.7	110	142	188	253	356	527	839	1429	2493	4001	5257								
0	0.00	0.00	0.00	0.00	17.3	41.8	67.6	94.8	125	163	217	300	441	690	1170	2125	3798	5796	6985								
5	0.00	0.00	0.00	0.00	7.52	30.6	55.8	82.1	110	143	189	255	360	534	855	1466	2575	4158	5491								
10	0.00	0.00	0.00	0.00	15.4	39.2	64.7	91.2	120	156	207	281	396	589	935	1550	2567	3742	4481								
15	0.00	0.00	0.00	0.00	5.20	27.2	51.3	76.6	103	133	173	227	306	430	631	968	1521	2242	2849								
20	0.00	0.00	0.00	0.00	11.9	34.0	57.9	82.8	109	139	177	229	301	407	556	766	1031	1298	1459								
25	0.00	0.00	0.00	0.00	1.89	20.6	42.5	65.7	89.6	115	145	183	233	300	390	511	665	832	961								
30	0.00	0.00	0.00	0.00	4.88	24.2	45.5	67.4	90.0	114	140	174	212	259	313	373	434	485	513								
35	0.00	0.00	0.00	0.00	0.01	11.2	30.0	50.0	70.5	91.5	113	138	166	198	234	274	314	350	374								
40	0.00	0.00	0.00	0.00	0.00	12.9	30.3	48.9	67.6	86.4	105	125	145	166	187	207	225	238	245								
45	0.00	0.00	0.00	0.00	0.00	3.16	15.0	31.0	47.6	64.2	80.7	97.0	113	129	145	160	174	184	191								
50	0.00	0.00	0.00	0.00	0.00	0.02	12.3	26.4	40.9	55.3	69.2	82.5	94.7	106	116	125	132	137	139								
55	0.00	0.00	0.00	0.00	0.00	0.00	3.46	10.5	22.6	34.8	46.8	58.3	69.0	78.8	87.6	95.2	101	106	109								
60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.15	14.0	24.0	33.6	42.9	51.3	58.9	65.5	70.9	75.2	78.2	80.0								
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	5.03	9.97	14.9	21.2	28.1	34.4	40.1	45.1	49.1	52.2	54.3								
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	5.17	10.1	14.7	19.0	22.7	25.8	28.1	29.6								
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.54	4.10	6.46	8.66	10.6	12.3	13.6	14.5								
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								

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DIM.:	SPEC.:	SERIAL No.:202408017
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	10.3	10.3	9.99	9.33	8.35	7.12	5.66	3.94	1.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-70	20.7	20.5	19.5	17.9	15.8	13.1	10.0	6.37	2.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-65	44.7	44.6	43.4	41.4	38.4	34.7	30.3	25.2	19.5	13.4	9.16	4.80	0.46	0.00	0.00	0.00	0.00	0.00
-60	68.8	68.0	65.9	62.7	58.3	52.9	46.7	39.6	31.8	23.5	14.8	6.13	0.00	0.00	0.00	0.00	0.00	0.00
-55	96.7	96.0	93.5	89.5	84.1	77.4	69.8	61.1	51.6	41.5	30.8	19.9	9.07	2.33	0.00	0.00	0.00	0.00
-50	124	122	118	112	105	96.0	86.1	75.2	63.4	51.1	38.1	25.0	12.1	0.00	0.00	0.00	0.00	0.00
-45	171	168	162	152	140	127	113	98.9	84.6	70.0	55.1	40.0	24.9	10.3	0.02	0.00	0.00	0.00
-40	217	210	198	183	165	147	129	111	94.1	77.1	60.1	42.9	25.9	9.71	0.00	0.00	0.00	0.00
-35	331	319	295	264	229	197	167	141	118	97.3	77.9	58.8	39.9	21.5	4.14	0.00	0.00	0.00
-30	439	412	369	316	267	222	184	152	125	102	80.2	59.4	38.9	19.2	1.19	0.00	0.00	0.00
-25	832	759	635	506	393	307	241	191	153	122	97.2	74.4	52.3	30.7	10.7	0.00	0.00	0.00
-20	1186	1015	796	598	445	335	255	197	153	122	95.4	71.4	48.2	25.8	5.33	0.00	0.00	0.00
-15	2586	2174	1565	1035	682	466	331	243	185	143	112	85.6	61.2	37.4	15.3	0.00	0.00	0.00
-10	3727	2858	1868	1147	719	474	328	237	178	137	107	80.1	55.1	31.0	8.79	0.00	0.00	0.00
-5	5431	4420	2935	1717	992	611	403	281	206	155	120	92.1	66.3	41.3	17.8	0.01	0.00	0.00
0	6543	4784	2892	1610	900	551	365	258	190	143	110	83.1	57.3	32.5	9.69	0.00	0.00	0.00
5	5696	4650	3091	1801	1030	628	412	286	209	157	122	93.0	67.1	41.9	18.3	0.01	0.00	0.00
10	4282	3264	2119	1272	776	500	343	244	182	140	109	81.8	56.5	32.0	9.55	0.00	0.00	0.00
15	2971	2509	1798	1169	749	500	350	254	191	147	115	88.3	63.3	39.1	16.4	0.00	0.00	0.00
20	1421	1205	927	679	493	362	272	208	160	127	99.1	74.5	50.6	27.5	6.49	0.00	0.00	0.00
25	988	899	742	578	439	336	260	203	161	128	102	78.2	55.3	33.0	12.3	0.00	0.00	0.00
30	509	475	421	359	296	244	199	163	133	108	85.2	63.4	42.0	21.4	2.64	0.00	0.00	0.00
35	380	367	337	299	256	218	183	153	127	105	83.8	63.7	43.7	24.3	6.41	0.00	0.00	0.00
40	245	238	224	205	185	163	142	122	103	84.3	66.1	47.8	29.7	12.4	0.00	0.00	0.00	0.00
45	193	190	183	171	158	142	126	110	93.9	77.9	61.7	45.5	29.2	13.5	1.43	0.00	0.00	0.00
50	140	138	134	127	119	109	97.6	85.3	72.2	58.5	44.4	30.1	16.0	2.74	0.00	0.00	0.00	0.00
55	110	110	107	103	97.0	89.7	81.1	71.2	60.5	49.2	37.3	25.3	13.3	4.00	0.00	0.00	0.00	0.00
60	80.5	79.8	77.9	74.4	69.8	63.9	56.9	48.8	39.9	30.4	20.6	10.8	1.18	0.00	0.00	0.00	0.00	0.00
65	55.2	55.2	54.1	52.0	48.9	44.8	39.8	33.9	27.3	20.1	12.5	7.37	2.50	0.00	0.00	0.00	0.00	0.00
70	30.2	29.9	28.9	27.3	24.9	21.9	18.2	13.8	8.97	3.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	15.0	15.1	14.7	14.0	13.0	11.6	9.88	7.80	5.48	2.92	0.23	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:2024-08-05

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: