

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

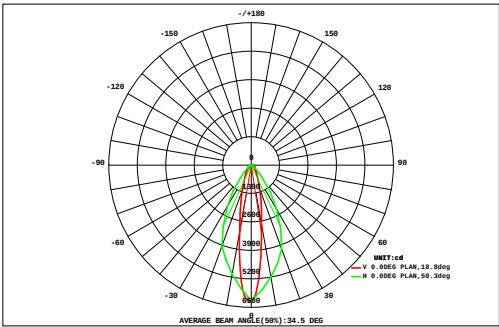
Maximum Intensity (Luminaire orientation as tested.)		2233.4 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of Imax	84.7V x 55.7H
	At 50% of Imax	49.7V x 18.8H
	At 90% of Imax	10.3V x 7.3H
Beam Flux	Total	999.6 lumens per klm.
	To 10% of Imax	728.2 lumens per klm.
	To 50% of Imax	320.5 lumens per klm.
	To 90% of Imax	37.2 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:2024-08-28

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:220.8V I:0.2937A P:63.22W PF:0.9747 Lamp Flux:2780.28x1 lm		
NAME: 8.01.017.0095 15x55° LWW-WZB-W55-L12-RDM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2024080122
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:



DATA OF LAMP		Eff:43.98lm/W	
MODELLWW-WZB-W55-L12-RDM	Imax(cd)	6209	
NOMINAL POWER(W)	64	AVAILABILITY(%)	73.2
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	2036
NOMINAL FLUX(lm)	2780.28	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	2780
TEST VOLTAGE(V)	220.8	θ @50%(H,V)	19,50DEG

		AREA FLUX DIAGRAM															UNIT:lm			Φ t	Φ a
VERTICAL (DEG)	72	0.00	0.01	0.09	0.34	0.66	1.01	1.35	1.63	1.80	1.81	1.64	1.36	1.03	0.68	0.34	0.08	0.01	0.00	13.8	0.00
	64	0.00	0.15	0.54	1.09	1.69	2.27	2.79	3.19	3.43	3.44	3.23	2.84	2.32	1.69	1.07	0.53	0.14	0.00	30.4	0.00
	56	0.05	0.37	0.96	1.65	2.36	3.02	3.66	4.24	4.68	4.68	4.27	3.71	3.09	2.41	1.71	1.01	0.42	0.06	42.4	0.00
	48	0.13	0.62	1.33	2.11	2.95	3.91	5.07	6.79	9.42	9.50	6.89	5.18	4.03	3.05	2.19	1.38	0.68	0.17	65.4	6.95
	40	0.26	0.84	1.61	2.50	3.64	5.22	7.49	12.2	21.6	21.3	11.9	7.47	5.28	3.70	2.54	1.62	0.85	0.26	110	55.4
	32	0.35	0.97	1.82	2.94	4.51	6.81	10.5	20.5	44.7	42.3	18.8	10.3	6.84	4.55	2.99	1.87	1.00	0.36	182	132
	24	0.40	1.07	2.00	3.31	5.25	8.34	13.9	28.8	67.2	64.4	27.1	13.7	8.40	5.36	3.42	2.09	1.11	0.42	256	212
		0.43	1.12	2.11	3.55	5.71	9.48	17.4	36.7	81.8	82.8	37.8	18.2	9.98	6.03	3.75	2.26	1.22	0.48	321	281
		0.46	1.17	2.20	3.71	6.04	10.3	20.3	43.9	96.0	96.7	45.6	21.6	10.9	6.37	3.92	2.35	1.26	0.50	373	335
		0.49	1.22	2.26	3.80	6.23	10.8	21.8	47.7	104	97.3	44.9	21.0	10.6	6.21	3.84	2.30	1.22	0.47	386	347
		0.46	1.16	2.18	3.65	5.85	9.65	17.5	37.3	80.6	78.8	36.2	17.6	9.72	5.90	3.65	2.20	1.19	0.46	314	274
	-24	0.39	1.05	1.97	3.22	5.07	7.95	12.9	26.4	62.8	64.7	28.1	14.0	8.52	5.38	3.40	2.06	1.11	0.43	249	205
-32	0.30	0.91	1.70	2.80	4.33	6.51	9.85	18.1	40.6	43.5	20.4	10.8	7.04	4.60	3.01	1.89	1.02	0.37	178	128	
-40	0.20	0.76	1.48	2.40	3.58	5.15	7.32	11.9	21.7	22.0	12.4	7.74	5.45	3.74	2.56	1.65	0.88	0.26	111	56.8	
-48	0.10	0.57	1.29	2.02	2.88	3.91	5.19	6.85	8.09	7.43	6.30	5.11	3.98	2.96	2.14	1.34	0.64	0.11	60.9	2.02	
-56	0.02	0.30	0.93	1.64	2.34	2.94	3.33	3.50	3.33	3.43	3.59	3.35	2.94	2.45	1.77	1.03	0.38	0.04	37.3	0.00	
-64	0.00	0.07	0.42	0.99	1.60	2.18	2.68	3.06	3.29	3.31	3.09	2.70	2.21	1.64	1.07	0.54	0.14	0.01	29.0	0.00	
-72	0.00	0.01	0.09	0.35	0.68	1.02	1.35	1.61	1.77	1.79	1.64	1.39	1.07	0.72	0.39	0.15	0.03	0.00	14.0	0.00	
	-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL(DEG)				16	24	32	40	48	56	64	72	
Φ t	4.04	12.4	25.0	42.1	65.4	101	164	314	656	649	314	168	103	67.5	43.8	26.3	13.3	4.41	2774	---	
Φ a	0.00	0.00	0.00	0.00	0.00	16.7	105	272	624	618	272	109	19.4	0.00	0.00	0.00	0.00	0.00	---	2036	

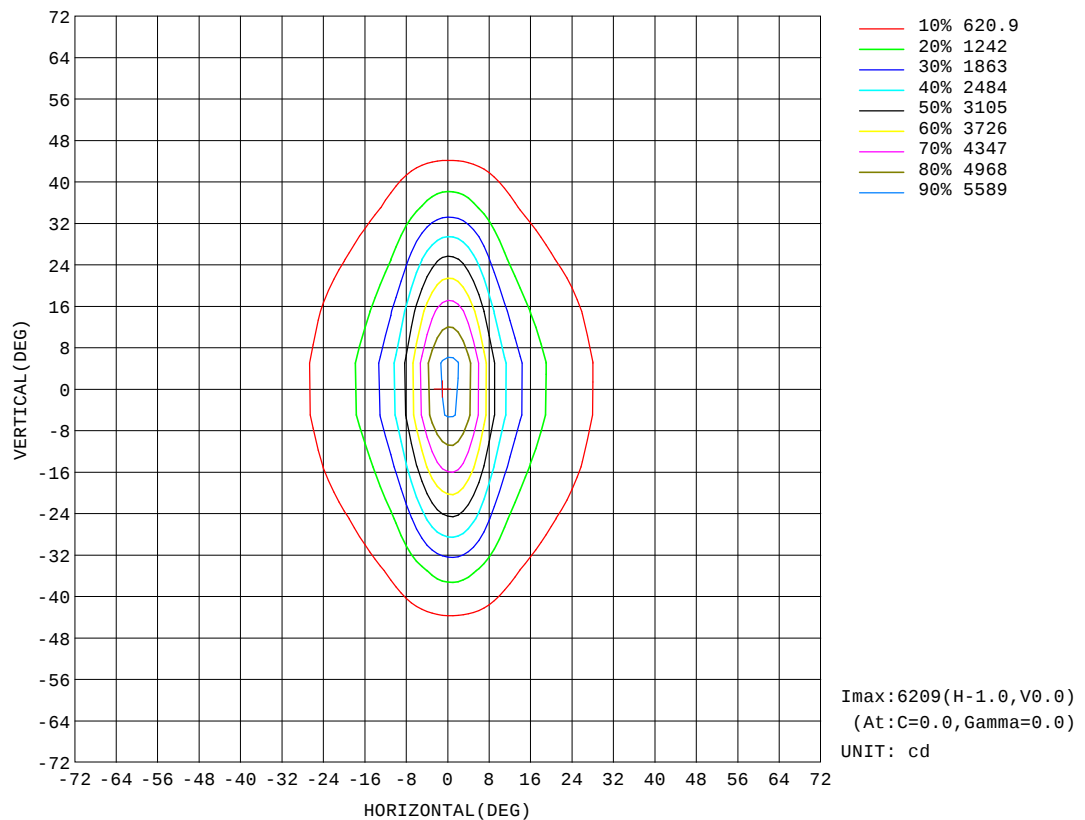
one-half-peak spread: U:24.5,D:25.5 , L:9.1,RNEMA0 Beam Type: Type 4 x 5 (H x V)

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-08-28

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

Test:U:220.8V I:0.2937A P:63.22W PF:0.9747 Lamp Flux:2780.28x1 lm		
NAME: 8.01.017.0095 15x55° LWW-WZB-W55-L12-RDM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2024080122
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

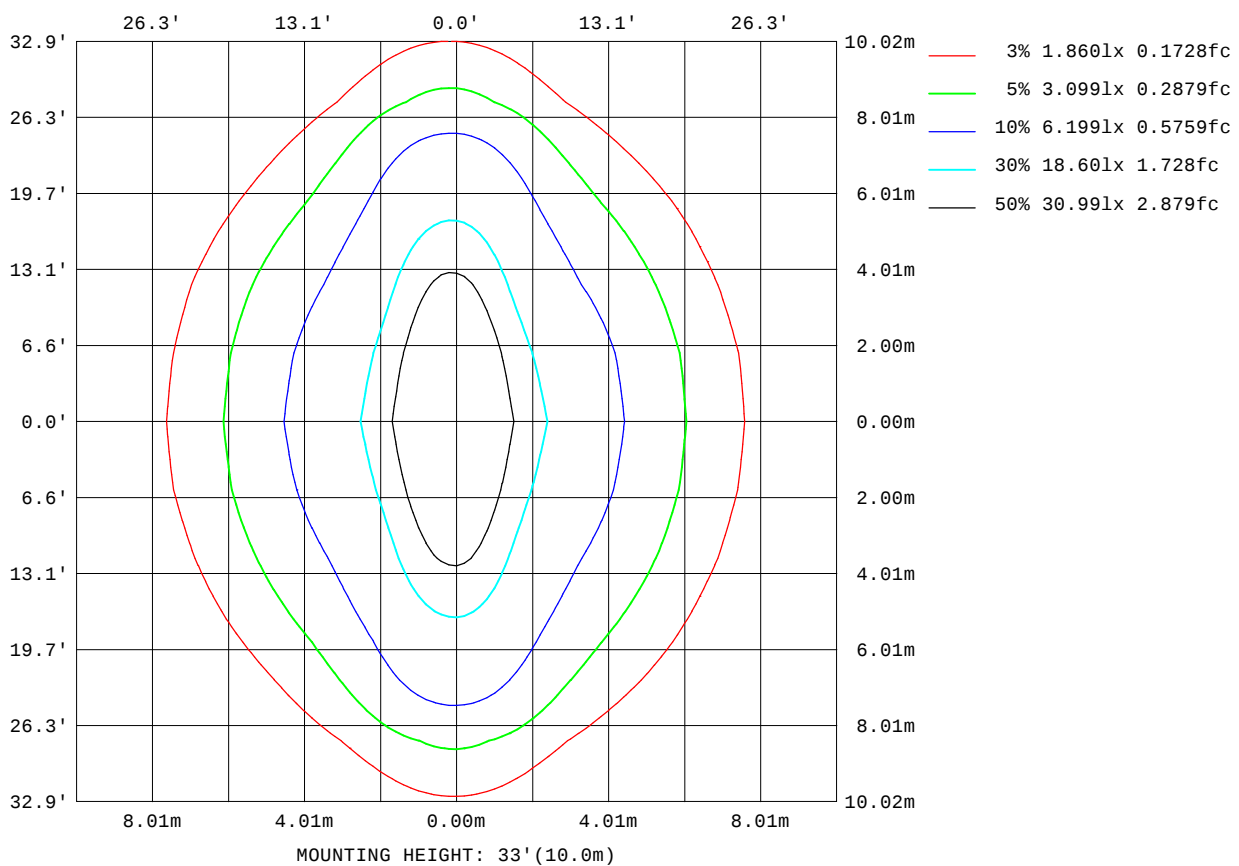


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Temperature: 28.0DEG
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V(β) Interval: 5.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity: 83%
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Remarks:

ISOLUX DIAGRAM

Test:U:220.8V I:0.2937A P:63.22W PF:0.9747 Lamp Flux:2780.28x1 lm		
NAME: 8.01.017.0095 15x55° LWW-WZB-W55-L12-RDM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2024080122
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

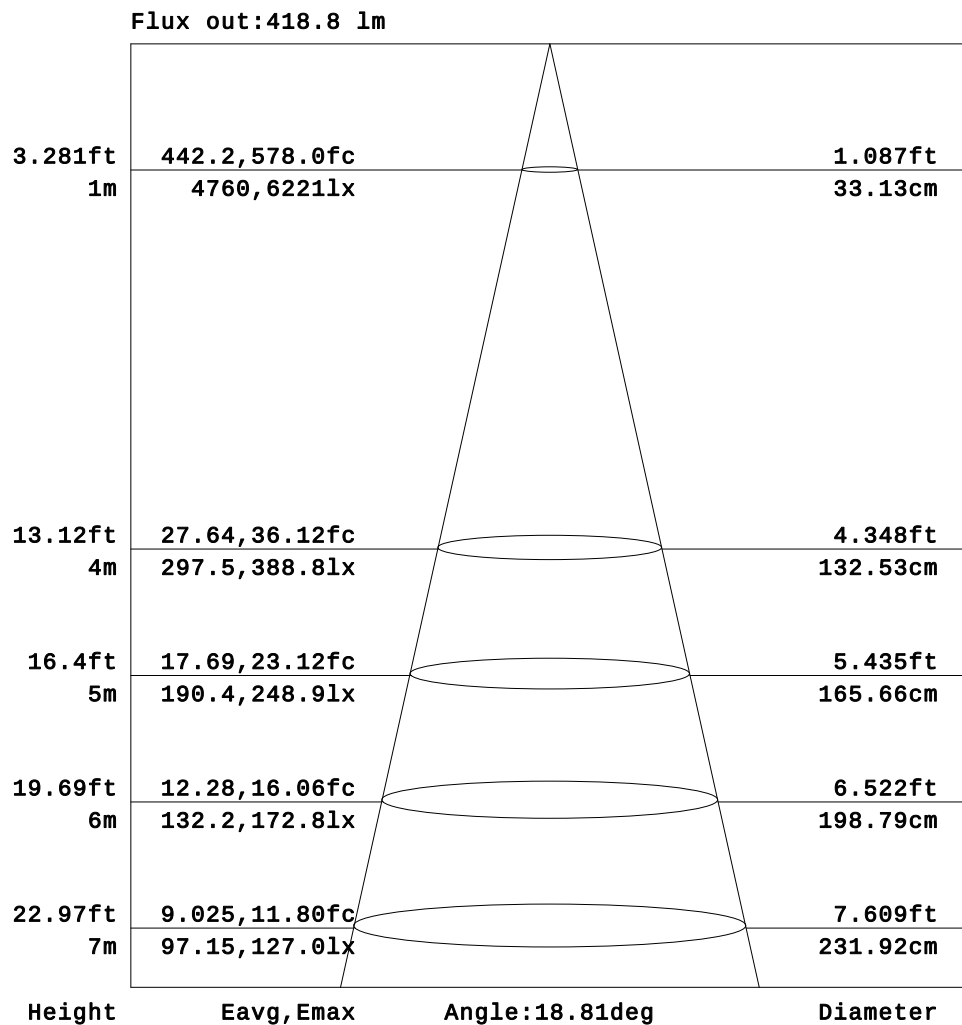


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-08-28

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

Test:U:220.8V I:0.2937A P:63.22W PF:0.9747 Lamp Flux:2780.28x1 lm		
NAME: 8.01.017.0095 15x55° LWW-WZB-W55-L12-RDM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2024080122
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

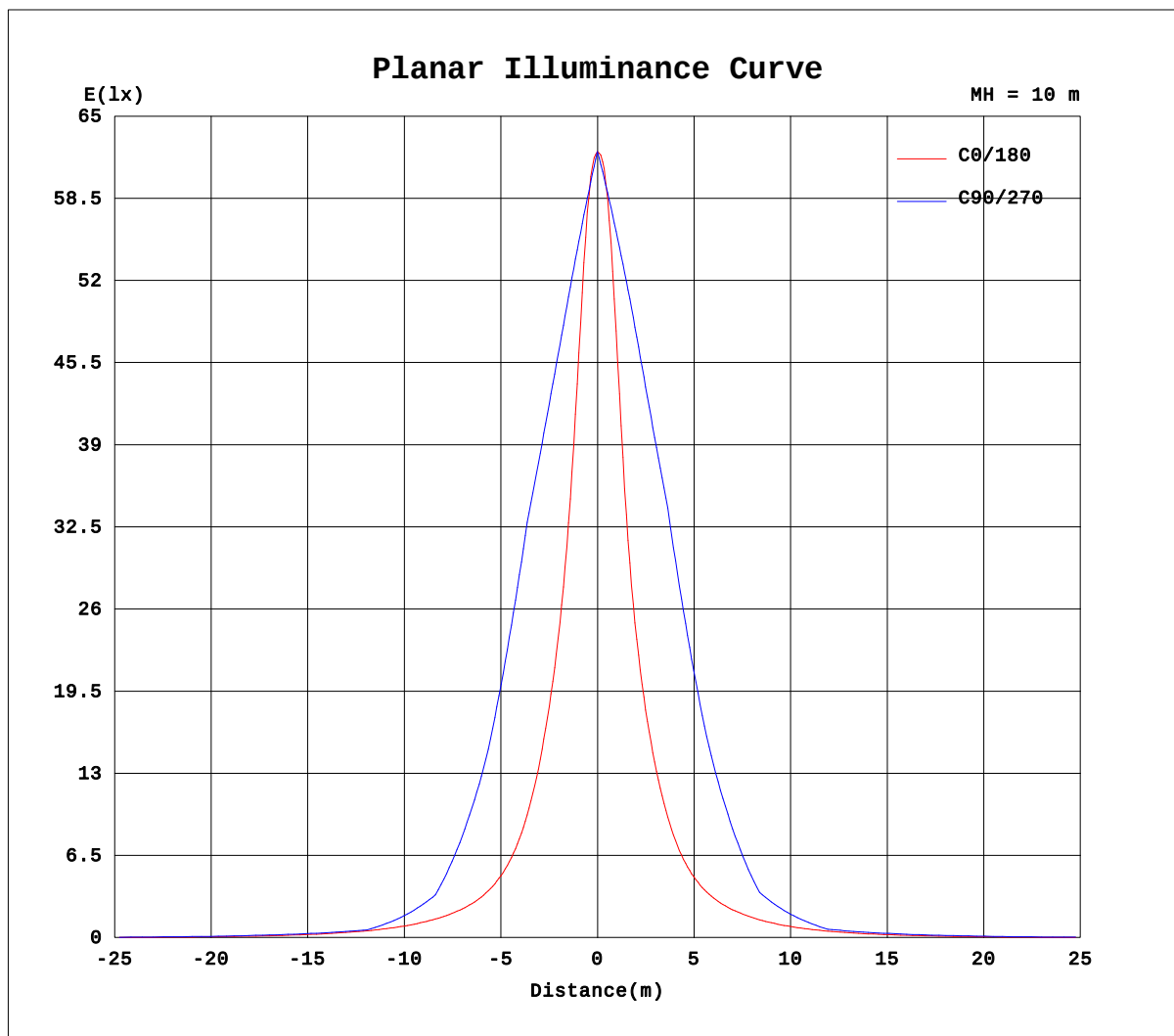


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-08-28

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



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Test Date:2024-08-28

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

Test:U:220.8V I:0.2937A P:63.22W PF:0.9747 Lamp Flux:2780.28x1 lm																	
NAME: 8.01.017.0095 15x55° LWW-WZB-W55-L12-RDM									TYPE:LED			WEIGHT:					
DIM.:									SPEC.:			SERIAL No.:2024080122					
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	0.27	5.88	10.1	14.3	18.7	22.7	26.3	29.6	32.4	34.4	35.3
-70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.47	13.5	22.0	30.6	39.0	46.8	54.0	60.5	65.7	69.3	70.7
-65	0.00	0.00	0.00	0.00	0.00	0.00	2.09	10.4	21.3	37.9	52.9	66.1	78.5	89.5	99.2	107	114	119	121
-60	0.00	0.00	0.00	0.00	0.00	0.00	7.57	24.4	46.9	68.8	89.5	107	123	136	148	157	164	169	171
-55	0.00	0.00	0.00	0.00	0.00	4.24	18.3	40.7	67.4	90.1	113	132	149	162	174	185	195	202	206
-50	0.00	0.00	0.00	0.00	0.00	12.2	37.5	68.1	97.2	121	144	164	181	193	205	217	228	238	242
-45	0.00	0.00	0.00	0.00	2.02	19.6	47.5	79.0	108	133	157	181	208	234	265	306	363	445	498
-40	0.00	0.00	0.00	0.00	8.58	36.0	69.1	103	130	153	179	209	246	286	341	415	528	683	756
-35	0.00	0.00	0.00	0.00	11.6	43.7	75.4	107	136	166	198	236	283	337	409	522	742	1157	1458
-30	0.00	0.00	0.00	0.03	25.4	63.6	95.1	122	154	190	231	281	341	414	514	692	1093	1808	2171
-25	0.00	0.00	0.00	2.41	27.8	63.1	96.5	128	162	199	244	299	370	461	589	806	1292	2295	3039
-20	0.00	0.00	0.00	10.6	43.9	74.2	112	146	183	225	277	344	431	552	730	1052	1811	3221	3945
-15	0.00	0.00	0.00	6.49	39.6	73.7	109	145	184	229	284	353	448	589	807	1180	1935	3420	4485
-10	0.00	0.00	0.00	13.1	49.8	85.0	121	159	202	253	316	396	512	697	1001	1532	2533	4266	5054
-5	0.00	0.00	0.00	9.61	44.2	79.7	116	153	195	245	307	387	501	689	1015	1560	2523	4391	5632
0	0.00	0.00	0.00	17.6	52.9	88.5	125	164	207	260	326	416	550	785	1206	1889	3092	5325	6199
5	0.00	0.00	0.00	9.83	44.0	79.3	115	153	195	245	306	387	503	696	1033	1592	2571	4468	5707
10	0.00	0.00	0.00	14.9	49.3	84.3	120	158	201	253	315	397	517	714	1042	1600	2635	4427	5197
15	0.00	0.00	0.00	6.92	39.5	74.2	109	145	185	231	287	358	456	605	842	1240	2034	3590	4648
20	0.00	0.00	0.00	10.9	43.7	77.9	112	148	186	230	284	354	445	574	767	1115	1930	3411	4069
25	0.00	0.00	0.00	2.91	31.3	64.6	97.9	131	166	204	249	306	379	476	613	849	1384	2476	3208
30	0.00	0.00	0.00	3.52	32.1	64.6	97.0	129	161	196	236	285	347	424	531	727	1193	1991	2318
35	0.00	0.00	0.00	0.29	19.4	49.3	81.0	112	142	172	204	242	288	345	420	539	794	1269	1563
40	0.00	0.00	0.00	0.00	18.0	46.5	77.7	108	135	160	186	215	251	293	347	423	556	733	799
45	0.00	0.00	0.00	0.00	6.66	29.3	57.2	87.0	114	139	162	185	210	238	272	314	381	477	531
50	0.00	0.00	0.00	0.00	2.41	22.7	48.6	77.2	103	127	147	164	180	196	212	227	243	255	260
55	0.00	0.00	0.00	0.00	0.16	9.09	27.6	51.1	74.3	96.5	117	135	151	166	180	193	205	215	219
60	0.00	0.00	0.00	0.00	0.00	1.06	15.5	34.6	54.3	74.9	94.7	112	128	142	153	163	171	177	178
65	0.00	0.00	0.00	0.00	0.00	6.13	15.3	28.1	42.7	57.4	70.9	83.3	94.6	105	113	121	126	128	
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	7.58	16.5	25.6	34.7	43.6	51.9	59.6	66.6	72.1	75.9	77.1
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.93	7.34	11.9	16.4	20.9	25.2	29.1	32.6	35.5	37.6	38.8
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	0.06	0.50
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.:2024080122
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	35.0	33.4	30.9	27.7	24.0	20.1	15.9	11.5	7.10	2.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-70	69.6	66.0	60.6	53.9	46.5	38.5	30.0	21.2	12.5	4.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-65	120	116	110	102	92.7	82.1	70.2	57.3	43.8	29.9	16.6	5.94	0.00	0.00	0.00	0.00	0.00	0.00
-60	170	164	156	147	135	121	105	88.1	69.6	50.3	28.3	8.46	0.00	0.00	0.00	0.00	0.00	0.00
-55	204	198	188	178	166	153	139	123	104	80.6	56.7	30.1	9.51	0.33	0.00	0.00	0.00	0.00
-50	237	228	216	204	192	180	167	151	129	102	74.6	41.9	14.4	0.00	0.00	0.00	0.00	0.00
-45	466	384	320	280	249	221	195	173	149	123	95.6	64.9	32.8	6.96	0.00	0.00	0.00	0.00
-40	665	510	406	343	295	251	214	186	159	133	105	75.3	39.2	7.79	0.00	0.00	0.00	0.00
-35	1286	847	576	449	371	308	255	215	182	152	123	92.3	58.2	23.4	0.70	0.00	0.00	0.00
-30	1737	1041	681	520	420	342	278	230	192	160	129	96.6	62.8	25.7	0.00	0.00	0.00	0.00
-25	2568	1502	906	651	507	404	324	264	217	178	143	109	75.3	39.4	5.89	0.00	0.00	0.00
-20	2966	1634	995	716	548	430	344	277	224	182	143	108	73.8	37.9	4.46	0.00	0.00	0.00
-15	3768	2197	1325	897	649	489	384	306	246	199	158	121	85.6	49.2	13.3	0.00	0.00	0.00
-10	3907	2293	1437	958	675	499	389	308	248	199	158	120	82.8	45.7	9.45	0.00	0.00	0.00
-5	4716	2803	1746	1131	761	546	418	331	265	212	169	129	91.2	53.8	16.6	0.00	0.00	0.00
0	4692	2773	1760	1124	743	530	408	324	260	207	163	123	84.5	46.9	10.2	0.00	0.00	0.00
5	4752	2817	1762	1145	768	548	420	333	266	213	169	129	90.9	53.6	16.6	0.00	0.00	0.00
10	3974	2320	1470	982	685	503	392	311	250	200	159	120	82.3	45.4	9.55	0.00	0.00	0.00
15	3805	2195	1337	910	655	491	385	309	249	201	160	122	85.4	49.1	13.5	0.00	0.00	0.00
20	2948	1609	991	715	547	429	345	280	228	185	145	109	73.8	38.2	4.83	0.00	0.00	0.00
25	2597	1481	894	646	504	403	326	268	220	180	144	110	75.3	40.5	7.68	0.00	0.00	0.00
30	1772	1027	667	511	416	343	282	235	195	161	129	96.3	62.9	28.8	0.94	0.00	0.00	0.00
35	1324	841	566	441	365	306	257	217	183	153	123	92.2	60.0	27.5	2.28	0.00	0.00	0.00
40	679	507	399	336	288	248	214	185	158	132	105	75.4	43.8	14.0	0.00	0.00	0.00	0.00
45	484	390	322	280	248	219	194	170	146	121	94.8	66.6	37.9	11.4	0.00	0.00	0.00	0.00
50	252	239	225	210	195	179	163	146	125	99.9	73.4	46.2	20.6	0.73	0.00	0.00	0.00	0.00
55	216	207	197	184	171	156	140	122	102	79.5	56.7	34.0	13.4	1.68	0.00	0.00	0.00	0.00
60	177	172	164	154	142	127	109	90.0	70.1	50.1	30.8	13.0	0.01	0.00	0.00	0.00	0.00	0.00
65	127	123	117	109	99.2	87.9	74.6	60.6	45.6	30.6	17.3	8.15	0.59	0.00	0.00	0.00	0.00	0.00
70	75.7	72.1	66.5	59.7	52.1	43.8	34.8	25.4	15.0	5.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	38.1	36.5	33.9	30.6	26.8	22.7	18.3	13.7	8.53	3.63	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:28.0DEG
Operators:QC1
Test Date:2024-08-28

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: