

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity (Luminaire orientation as tested.)	408.6 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
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Beam Spread	At 10% of Imax	143.0V x 157.1H
	At 50% of Imax	98.2V x 103.9H
	At 90% of Imax	43.9V x 44.5H

Beam Flux	Total	998.4 lumens per klm.
	To 10% of Imax	978.0 lumens per klm.
	To 50% of Imax	700.9 lumens per klm.
	To 90% of Imax	175.5 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.8 %

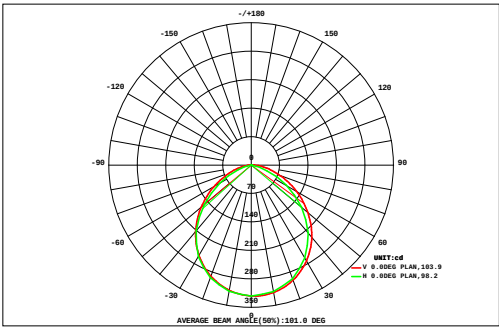
Luminaire Efficiency(Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-12-23

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:221.0V I:0.0647A P:7.629W PF:1.000 Freq:50.00Hz Lamp Flux:788.714x1 lm		
NAME: 8.02.003.0450 LLS-COVE1-W40-L3-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2024120092
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:103.39lm/W	
MODELLS-COVE1-W40-L3-DIM		Imax(cd)	322.3
NOMINAL POWER(W)	7	AVAILABILITY(%)	98.1
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	773.6
NOMINAL FLUX(lm)	788.714	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	788.7
TEST VOLTAGE(V)	220	θ @50%(H,V)	104, 98DEG

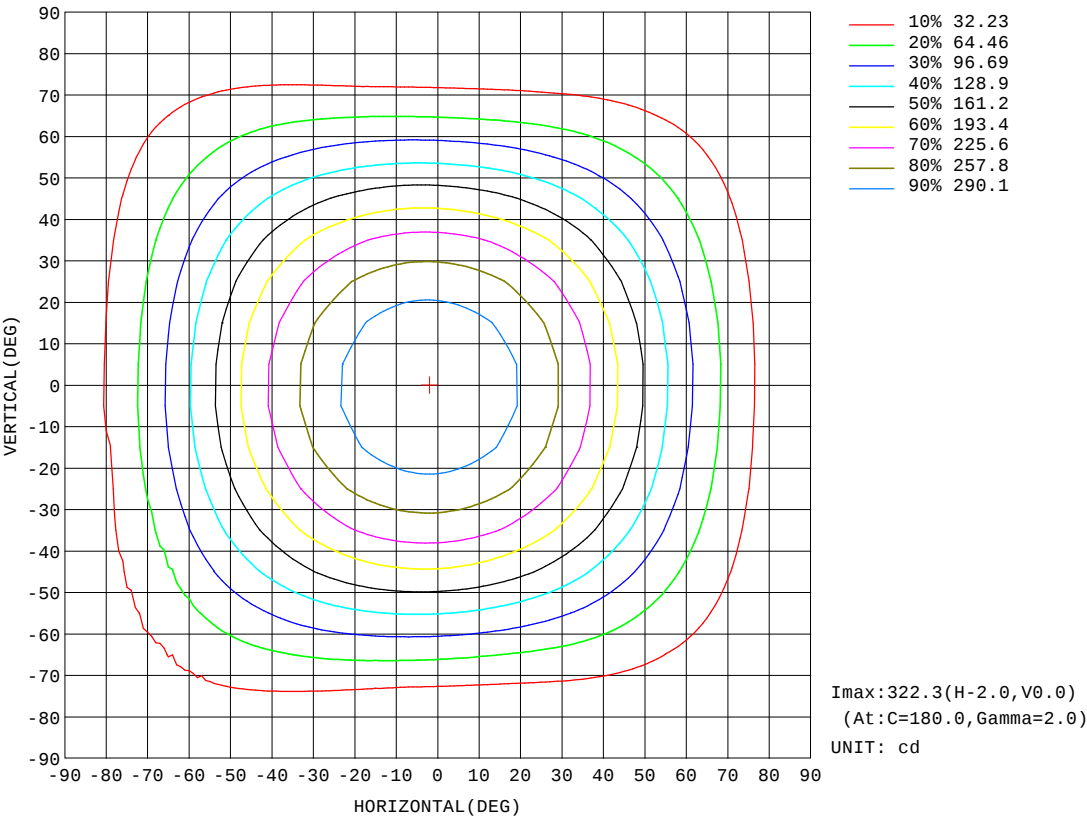
AREA FLUX DIAGRAM																		UNIT:lm	Φ t	Φ a
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	0.02	0.13	0.27	0.41	0.51	0.54	0.48	0.42	0.41	0.39	0.37	0.33	0.31	0.27	0.20	0.11	0.04	0.00	5.21	0.86
70	0.03	0.17	0.42	0.74	1.09	1.41	1.66	1.80	1.84	1.78	1.65	1.44	1.15	0.83	0.52	0.26	0.09	0.01	16.9	15.5
60	0.04	0.23	0.61	1.15	1.80	2.45	3.02	3.42	3.61	3.54	3.24	2.75	2.13	1.48	0.89	0.43	0.14	0.02	30.9	30.4
50	0.04	0.29	0.80	1.59	2.56	3.57	4.48	5.15	5.47	5.38	4.92	4.15	3.19	2.18	1.28	0.60	0.19	0.02	45.9	45.6
40	0.05	0.34	0.99	2.00	3.27	4.62	5.84	6.73	7.17	7.08	6.48	5.48	4.21	2.87	1.66	0.76	0.24	0.03	59.8	59.6
30	0.06	0.39	1.14	2.34	3.84	5.43	6.86	7.92	8.46	8.37	7.69	6.53	5.03	3.43	1.99	0.90	0.28	0.03	70.7	70.5
20	0.06	0.42	1.26	2.58	4.24	5.99	7.54	8.69	9.27	9.18	8.46	7.20	5.58	3.82	2.21	1.00	0.30	0.03	77.8	77.7
10	0.06	0.44	1.31	2.70	4.45	6.27	7.88	9.08	9.68	9.59	8.85	7.55	5.86	4.03	2.34	1.06	0.32	0.03	81.5	81.3
0	0.06	0.44	1.33	2.72	4.47	6.29	7.90	9.09	9.69	9.61	8.86	7.55	5.86	4.02	2.33	1.05	0.31	0.03	81.6	81.5
-10	0.05	0.43	1.27	2.60	4.27	6.02	7.59	8.74	9.32	9.23	8.51	7.24	5.59	3.83	2.21	0.99	0.30	0.03	78.2	78.1
-20	0.04	0.38	1.16	2.36	3.87	5.48	6.93	8.01	8.54	8.46	7.78	6.59	5.07	3.46	2.00	0.90	0.27	0.03	71.3	71.2
-30	0.03	0.33	1.00	2.04	3.33	4.71	5.97	6.89	7.35	7.27	6.66	5.62	4.31	2.92	1.68	0.77	0.24	0.02	61.1	60.9
-40	0.02	0.28	0.81	1.65	2.67	3.74	4.73	5.45	5.79	5.71	5.21	4.37	3.34	2.26	1.31	0.61	0.19	0.01	48.1	47.9
-50	0.01	0.21	0.60	1.22	1.92	2.65	3.30	3.77	3.97	3.89	3.53	2.97	2.29	1.57	0.93	0.44	0.14	0.00	33.4	33.0
-60	0.00	0.15	0.42	0.80	1.21	1.60	1.90	2.08	2.14	2.06	1.88	1.61	1.28	0.91	0.56	0.27	0.08	0.00	19.0	17.9
-70	0.00	0.09	0.25	0.42	0.58	0.68	0.69	0.65	0.59	0.55	0.51	0.48	0.44	0.35	0.24	0.13	0.03	0.00	6.69	1.69
-80	0.00	0.02	0.07	0.10	0.09	0.06	0.02	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.01	0.00	0.00	0.42	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	0.00
Φ t	0.57	4.74	13.7	27.4	44.2	61.5	76.8	87.9	93.3	92.1	84.6	71.9	55.6	38.3	22.4	10.3	3.15	0.30	789	---
Φ a	0.03	3.64	12.7	26.5	43.3	60.7	76.1	87.2	92.6	91.4	83.8	71.1	54.8	37.3	21.4	9.20	1.66	0.00	---	774

one-half-peak spread: U:50.3,D:48.5 , L:52.2,R:52.2 NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:28.0DEG
 Operators:QC1
 Test Date:2024-12-23
 V(B) Range:-80 - 80DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
 Humidity:83%
 Test Distance:8.300m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:221.0V I:0.0647A P:7.629W PF:1.000 Freq:50.00Hz Lamp Flux:788.714x1 lm		
NAME: 8.02.003.0450 LLS-COVE1-W40-L3-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2024120092
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:

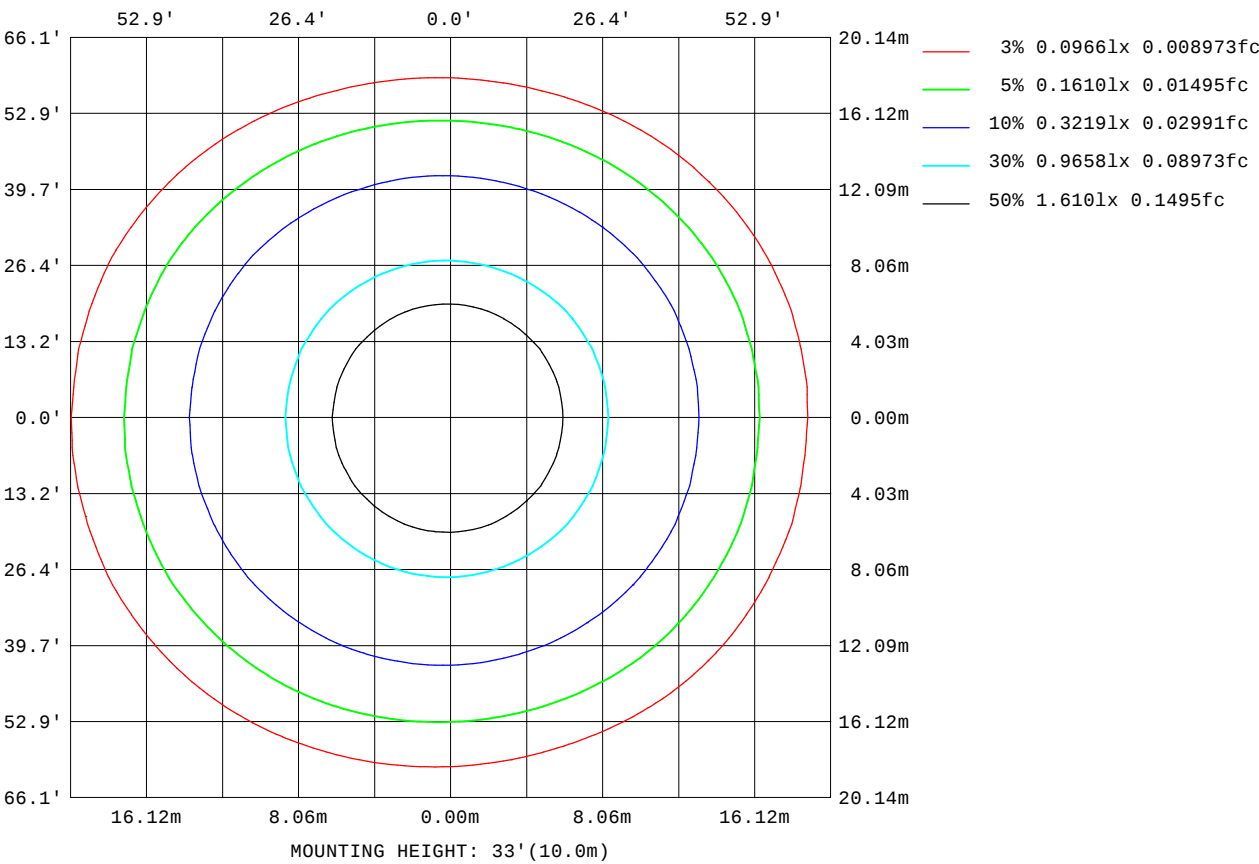


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H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-12-23

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

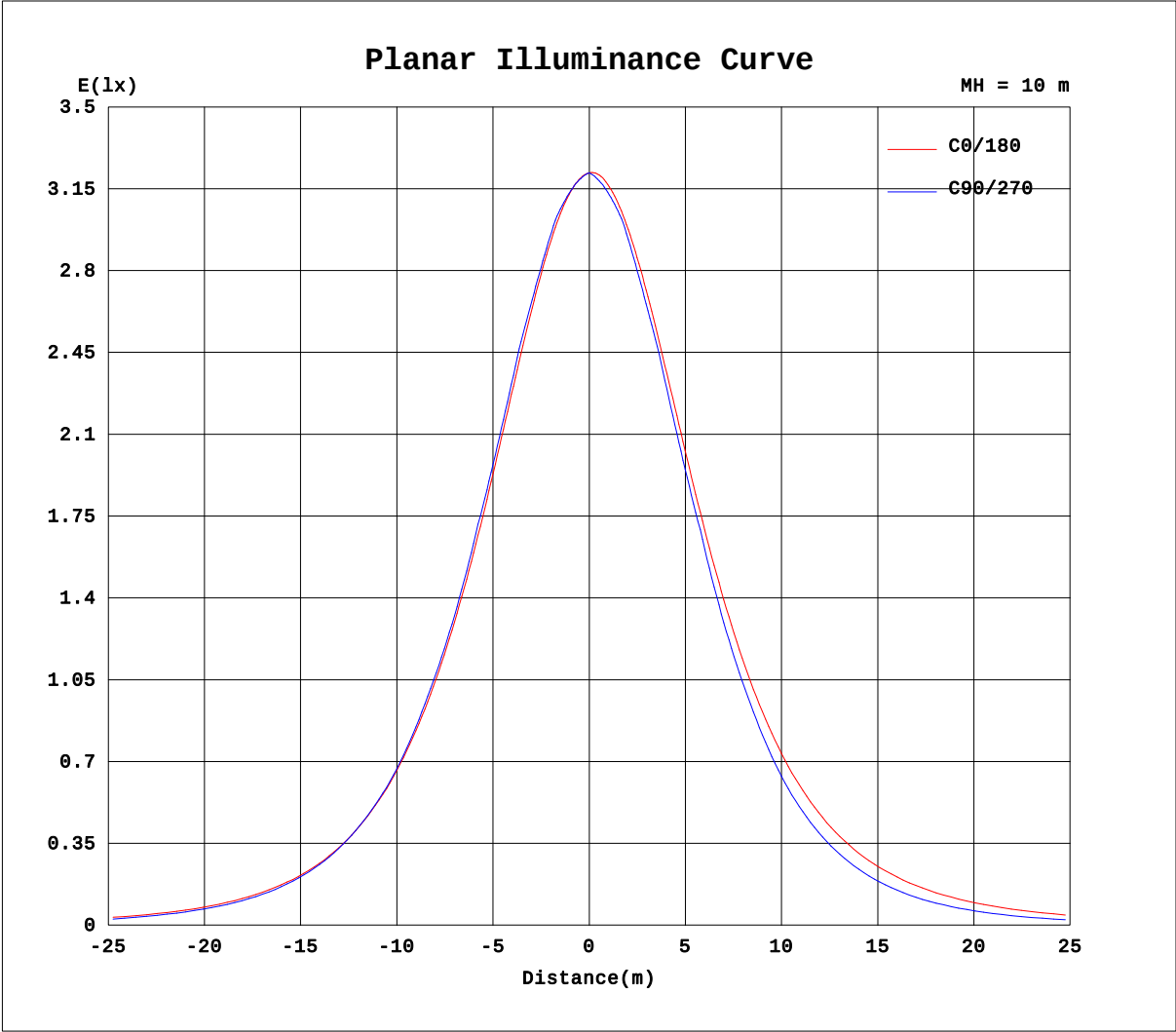
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SPEC.:	DIM.:	SERIAL No.:2024120092
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-12-23

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

Planar Illuminance Curve

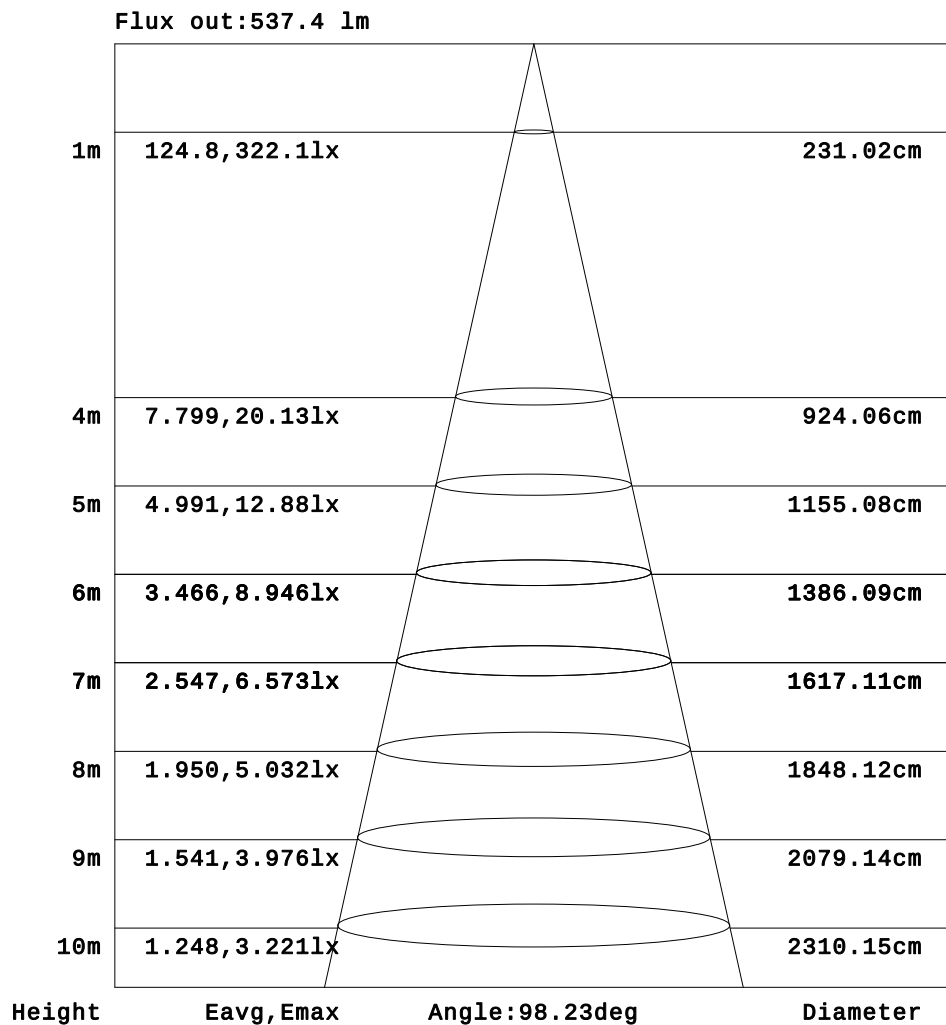


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-12-23

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

AAI Figure

Test:U:221.0V I:0.0647A P:7.629W PF:1.000 Freq:50.00Hz Lamp Flux:788.714x1 lm		
NAME: 8.02.003.0450 LLS-COVE1-W40-L3-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2024120092
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding 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:2024-12-23

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:221.0V I:0.0647A P:7.629W PF:1.000 Freq:50.00Hz Lamp Flux:788.714x1 lm		
NAME: 8.02.003.0450 LLS-COVE1-W40-L3-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2024120092
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding 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	5.10	12.5	14.2	13.9	15.0	15.8	15.2	14.0	12.3	10.2	7.87	5.39	3.03	0.94	0.00	0.00
-75	0.00	0.00	1.85	9.98	16.9	20.3	22.4	24.9	27.0	28.0	28.4	28.3	27.6	26.5	25.2	23.4	22.2	21.3	20.8
-70	0.00	0.00	3.69	14.9	21.4	26.3	30.9	34.7	38.1	40.8	42.9	44.2	45.0	45.2	44.9	43.8	43.5	42.5	41.6
-65	0.00	0.00	5.69	18.9	27.1	32.9	38.4	46.0	51.6	56.6	60.9	64.5	67.3	69.4	70.8	71.2	71.6	71.2	70.3
-60	0.00	0.00	7.70	23.0	32.7	39.6	46.0	57.3	65.1	72.5	78.9	84.7	89.5	93.5	96.6	98.6	99.8	100.0	99.1
-55	0.00	0.02	11.1	27.2	36.7	47.4	57.1	69.3	79.6	89.3	98.1	106	113	120	124	128	130	131	130
-50	0.00	0.03	14.4	31.5	40.7	55.2	68.3	81.4	94.1	106	117	128	137	146	152	157	160	162	161
-45	0.00	0.86	19.0	35.3	46.9	62.8	78.0	93.3	108	123	136	149	161	170	178	184	188	190	190
-40	0.00	1.69	23.6	39.2	53.1	70.5	87.8	105	123	140	156	170	184	195	205	212	216	218	218
-35	0.00	3.91	25.4	41.0	58.0	76.6	95.9	115	135	154	171	188	203	215	226	233	239	241	241
-30	0.00	6.13	27.2	42.9	62.8	82.7	104	126	147	167	187	205	222	235	247	255	261	264	264
-25	0.00	9.61	27.3	46.4	66.6	88.0	111	134	157	179	199	219	236	250	262	271	277	280	281
-20	0.00	13.1	27.5	49.9	70.3	93.3	118	142	166	190	212	232	250	265	278	287	293	297	297
-15	0.00	12.6	30.9	51.6	72.8	96.6	122	147	173	197	219	240	258	274	287	296	303	306	307
-10	0.00	12.1	34.3	53.2	75.3	99.9	126	153	179	204	227	248	267	283	296	305	312	316	316
-5	0.00	15.0	34.3	53.4	75.7	101	127	154	180	206	230	251	270	285	298	308	315	319	319
0	0.00	17.9	34.2	53.5	76.2	102	128	155	182	208	232	253	272	288	301	311	318	322	322
5	0.00	17.9	33.8	52.7	75.0	99.9	127	153	180	205	229	250	269	285	298	308	315	318	318
10	0.00	18.0	33.3	51.9	73.8	98.3	125	151	177	202	226	247	265	281	294	304	311	315	315
15	0.00	17.7	32.6	50.6	71.7	95.2	121	146	171	196	218	239	257	272	285	295	301	305	305
20	0.00	17.4	31.9	49.3	69.6	92.2	117	141	165	189	211	231	248	263	275	285	291	295	295
25	0.00	16.8	30.5	46.8	65.8	86.8	110	133	155	177	198	217	233	247	259	268	274	278	278
30	0.00	16.2	29.1	44.2	61.9	81.4	102	124	145	166	185	203	219	232	243	252	258	261	261
35	0.00	15.7	27.5	41.5	57.5	75.1	94.1	113	133	151	168	184	199	211	221	228	233	236	236
40	0.00	15.1	26.0	38.7	53.1	68.9	85.7	103	120	136	152	166	179	189	198	205	209	211	211
45	0.00	14.2	24.0	35.2	47.7	61.4	75.8	90.4	105	119	132	143	154	163	170	175	179	181	180
50	0.00	13.3	22.0	31.7	42.3	53.8	65.8	78.0	89.9	101	111	121	129	136	142	146	149	151	150
55	0.00	12.2	20.0	28.2	37.1	46.5	56.2	65.8	75.2	83.9	91.9	98.9	105	110	114	118	119	120	120
60	0.00	11.1	18.0	24.8	31.9	39.2	46.6	53.6	60.5	66.8	72.4	77.1	81.1	84.4	86.9	88.6	89.6	89.8	89.2
65	0.00	5.58	15.9	21.2	26.7	32.2	37.6	42.6	47.3	51.5	55.1	57.8	59.9	61.5	62.5	63.1	63.3	63.0	62.3
70	0.00	0.10	13.7	17.7	21.6	25.2	28.6	31.6	34.2	36.3	37.8	38.6	38.7	38.5	38.1	37.6	36.9	36.1	35.4
75	0.00	2.68	8.72	14.4	16.9	19.1	21.0	22.5	23.5	24.0	24.0	23.4	22.4	21.1	19.7	18.8	18.5	18.1	17.7
80	0.00	5.25	3.70	11.1	12.3	13.0	13.3	13.3	12.7	11.7	10.2	8.21	5.96	3.57	1.20	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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MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding 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	0.38	1.71	3.05	4.23	5.13	5.73	5.98	5.91	5.45	4.72	3.77	0.01	0.00	0.00	0.00	
-75	20.3	19.7	19.2	18.9	19.0	19.0	18.7	18.1	17.1	15.7	14.1	12.1	9.95	7.69	2.92	0.00	0.00	0.00	
-70	40.5	39.5	38.4	37.3	36.3	34.9	33.2	31.0	28.4	25.5	22.2	18.8	15.2	11.6	5.84	0.00	0.00	0.00	
-65	68.8	66.9	64.6	62.0	59.1	55.7	51.9	47.5	42.6	37.4	32.0	26.6	21.2	15.9	9.86	0.59	0.00	0.00	
-60	97.1	94.3	90.8	86.7	81.9	76.6	70.7	64.1	56.8	49.3	41.8	34.4	27.1	20.2	13.9	1.17	0.00	0.00	
-55	128	125	120	114	108	100	91.7	82.5	72.8	62.7	52.6	42.9	33.6	24.9	16.9	5.86	0.00	0.00	
-50	159	155	149	142	133	124	113	101	88.8	76.0	63.5	51.4	40.1	29.5	20.0	10.5	0.00	0.00	
-45	187	183	176	168	158	146	133	119	104	89.2	74.2	59.7	46.2	33.8	22.8	12.6	0.01	0.00	
-40	216	211	203	194	182	169	154	137	120	102	84.8	68.0	52.4	38.1	25.5	14.7	0.02	0.00	
-35	239	233	225	215	203	188	171	153	134	115	94.9	75.9	58.2	42.2	28.1	16.2	2.98	0.00	
-30	261	256	247	236	223	207	189	170	149	127	105	83.7	64.0	46.3	30.7	17.6	5.94	0.00	
-25	278	272	263	252	238	221	202	181	159	136	113	89.6	68.3	49.2	32.6	18.6	6.75	0.00	
-20	294	288	279	267	252	235	215	193	170	145	120	95.4	72.5	52.1	34.4	19.5	7.55	0.00	
-15	304	297	288	276	261	243	223	200	176	151	125	99.1	75.2	53.9	35.5	20.0	7.72	0.00	
-10	313	307	297	285	270	252	231	208	183	156	130	103	77.9	55.7	36.6	20.5	7.88	0.00	
-5	316	310	300	288	272	254	234	210	185	159	131	104	79.2	56.6	37.1	20.8	7.99	0.00	
0	319	313	303	291	275	257	236	213	188	161	133	106	80.5	57.5	37.7	21.1	8.10	0.00	
5	315	309	300	288	272	254	234	211	185	159	132	105	79.8	57.1	37.6	21.2	8.30	0.00	
10	312	306	297	284	270	252	231	208	183	157	131	104	79.2	56.7	37.5	21.3	8.49	0.00	
15	302	296	287	275	260	243	223	200	176	151	125	100.0	76.0	54.5	36.0	20.5	8.12	0.00	
20	291	285	277	265	250	234	214	192	169	145	120	95.7	72.8	52.2	34.5	19.7	7.75	0.00	
25	275	269	260	249	235	219	200	180	158	135	112	89.7	68.4	49.3	32.7	18.7	7.44	0.00	
30	258	252	244	233	220	205	187	167	147	126	105	83.8	64.0	46.3	30.8	17.8	7.12	0.00	
35	233	227	220	210	198	184	168	151	132	113	94.3	75.6	58.0	42.1	28.2	16.3	6.48	0.00	
40	208	203	196	187	176	163	149	134	118	101	84.0	67.5	52.0	38.0	25.5	14.8	5.84	0.00	
45	178	174	168	160	151	140	128	115	101	87.1	72.9	58.9	45.7	33.6	22.7	13.3	5.23	0.00	
50	148	144	139	133	125	117	107	96.2	85.0	73.4	61.7	50.3	39.4	29.2	19.9	11.7	4.62	0.00	
55	118	115	111	106	100	93.7	86.1	77.8	69.1	60.0	50.8	41.7	32.8	24.5	16.8	9.92	3.84	0.00	
60	87.8	85.7	83.1	79.6	75.4	70.7	65.4	59.5	53.1	46.6	39.8	33.0	26.3	19.8	13.7	8.12	3.06	0.00	
65	61.2	59.9	58.2	56.2	53.7	50.7	47.4	43.5	39.3	34.8	30.1	25.2	20.2	15.4	10.7	6.33	2.25	0.00	
70	34.6	34.0	33.4	32.8	31.9	30.8	29.4	27.6	25.5	23.0	20.3	17.3	14.2	11.0	7.73	4.54	1.44	0.00	
75	17.3	17.0	16.7	16.4	16.0	15.7	15.6	15.2	14.5	13.5	12.3	10.7	8.90	6.95	4.90	2.76	0.72	0.00	
80	0.00	0.00	0.00	0.00	0.00	0.66	1.86	2.89	3.63	4.06	4.21	4.07	3.63	2.95	2.06	0.97	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:2024-12-23

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks: