

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity (Luminaire orientation as tested.)	487.9 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
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Beam Spread	At 10% of Imax	129.7V x 138.4H
	At 50% of Imax	85.3V x 95.8H
	At 90% of Imax	41.4V x 46.5H

Beam Flux	Total	999.2 lumens per klm.
	To 10% of Imax	971.2 lumens per klm.
	To 50% of Imax	714.9 lumens per klm.
	To 90% of Imax	217.8 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.9 %

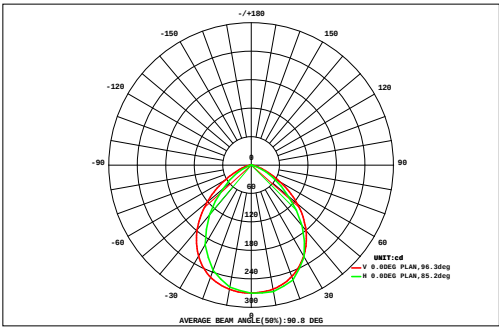
Luminaire Efficiency(Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-07-09

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:220.9V I:0.0868A P:10.51W PF:0.5480 Lamp Flux:554.667x1 lm		
NAME: 8.02.003.0428 LLS-COVE1-W40-L3-RDM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20240700021
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:



DATA OF LAMP		Eff:52.79lm/W	
MODELLS-COVE1-W40-L3-RDM	Imax(cd)	270.6	
NOMINAL POWER(W)	10	AVAILABILITY(%)	97.3
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	539.7
NOMINAL FLUX(lm)	554.667	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	554.7
TEST VOLTAGE(V)	220.9	θ @50%(H,V)	96,85DEG

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	0.00	0.00	0.00	0.02	0.05	0.10	0.14	0.16	0.18	0.19	0.19	0.17	0.14	0.09	0.04	0.01	0.00	0.00	1.47	0.00
70	0.00	0.00	0.02	0.13	0.31	0.52	0.71	0.85	0.95	0.99	0.96	0.86	0.67	0.43	0.21	0.06	0.00	0.00	7.65	4.37
60	0.00	0.00	0.11	0.36	0.75	1.24	1.71	2.05	2.26	2.34	2.27	2.01	1.53	0.95	0.47	0.17	0.02	0.00	18.2	17.3
50	0.00	0.02	0.21	0.62	1.32	2.20	3.03	3.64	3.98	4.10	3.97	3.50	2.67	1.64	0.79	0.29	0.05	0.00	32.0	31.5
40	0.00	0.05	0.31	0.92	1.99	3.27	4.47	5.36	5.86	5.97	5.69	4.97	3.80	2.40	1.15	0.41	0.08	0.00	46.7	46.3
30	0.00	0.07	0.40	1.21	2.58	4.17	5.65	6.73	7.30	7.37	6.98	6.04	4.64	3.02	1.50	0.53	0.11	0.00	58.3	58.0
20	0.00	0.08	0.48	1.45	2.99	4.74	6.33	7.45	8.02	8.07	7.61	6.57	5.07	3.36	1.74	0.61	0.12	0.00	64.7	64.4
10	0.00	0.09	0.53	1.56	3.17	4.96	6.55	7.65	8.19	8.21	7.73	6.67	5.16	3.44	1.82	0.64	0.12	0.00	66.5	66.2
0	0.00	0.09	0.53	1.56	3.13	4.88	6.43	7.50	8.03	8.03	7.51	6.46	5.00	3.33	1.75	0.61	0.12	0.00	65.0	64.7
-10	0.00	0.08	0.47	1.39	2.83	4.47	5.97	7.02	7.55	7.55	7.03	6.03	4.65	3.09	1.60	0.55	0.11	0.00	60.4	60.1
-20	0.00	0.06	0.39	1.13	2.36	3.79	5.11	6.06	6.55	6.54	6.10	5.22	4.01	2.61	1.29	0.45	0.09	0.00	51.8	51.4
-30	0.00	0.04	0.28	0.82	1.73	2.84	3.87	4.63	5.03	5.05	4.73	4.07	3.11	1.96	0.88	0.32	0.06	0.00	39.4	38.9
-40	0.00	0.02	0.17	0.52	1.10	1.84	2.51	2.97	3.21	3.26	3.11	2.70	1.92	1.20	0.44	0.19	0.03	0.00	25.2	24.4
-50	0.00	0.00	0.07	0.27	0.57	0.95	1.30	1.53	1.63	1.67	1.64	1.34	0.78	0.57	0.28	0.12	0.01	0.00	12.7	11.3
-60	0.00	0.00	0.01	0.08	0.20	0.34	0.45	0.53	0.57	0.59	0.54	0.33	0.33	0.20	0.12	0.03	0.00	0.00	4.31	0.75
-70	0.00	0.00	0.00	0.00	0.01	0.03	0.04	0.05	0.05	0.05	0.04	0.03	0.04	0.02	0.01	0.00	0.00	0.00	0.35	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	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
VERTICAL(DEG)	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL(DEG)	20	30	40	50	60	70	80	90			
Φ t	0.00	0.59	3.98	12.0	25.1	40.3	54.3	64.2	69.3	70.0	66.1	57.0	43.5	28.3	14.1	4.97	0.93	0.01	555	---
Φ a	0.00	0.00	2.62	11.0	24.2	39.5	53.5	63.3	68.4	69.0	65.2	56.2	42.6	27.5	12.9	3.76	0.04	0.00	---	540

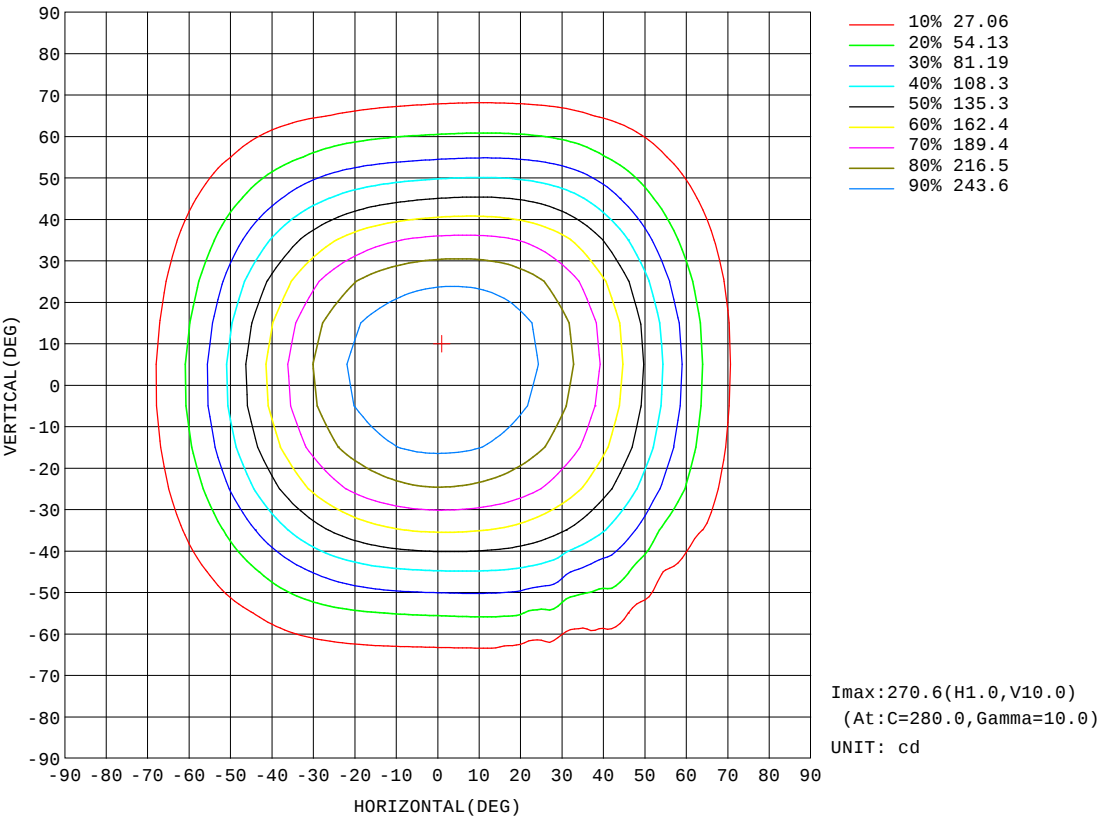
one-half-peak spread: U:50.4,D:35.3 , L:48.2, ~~MEAS.~~ Beam Type: Type 7 x 6 (H x V)

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-07-09

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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DIM.:	SPEC.:	SERIAL No.:20240700021
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

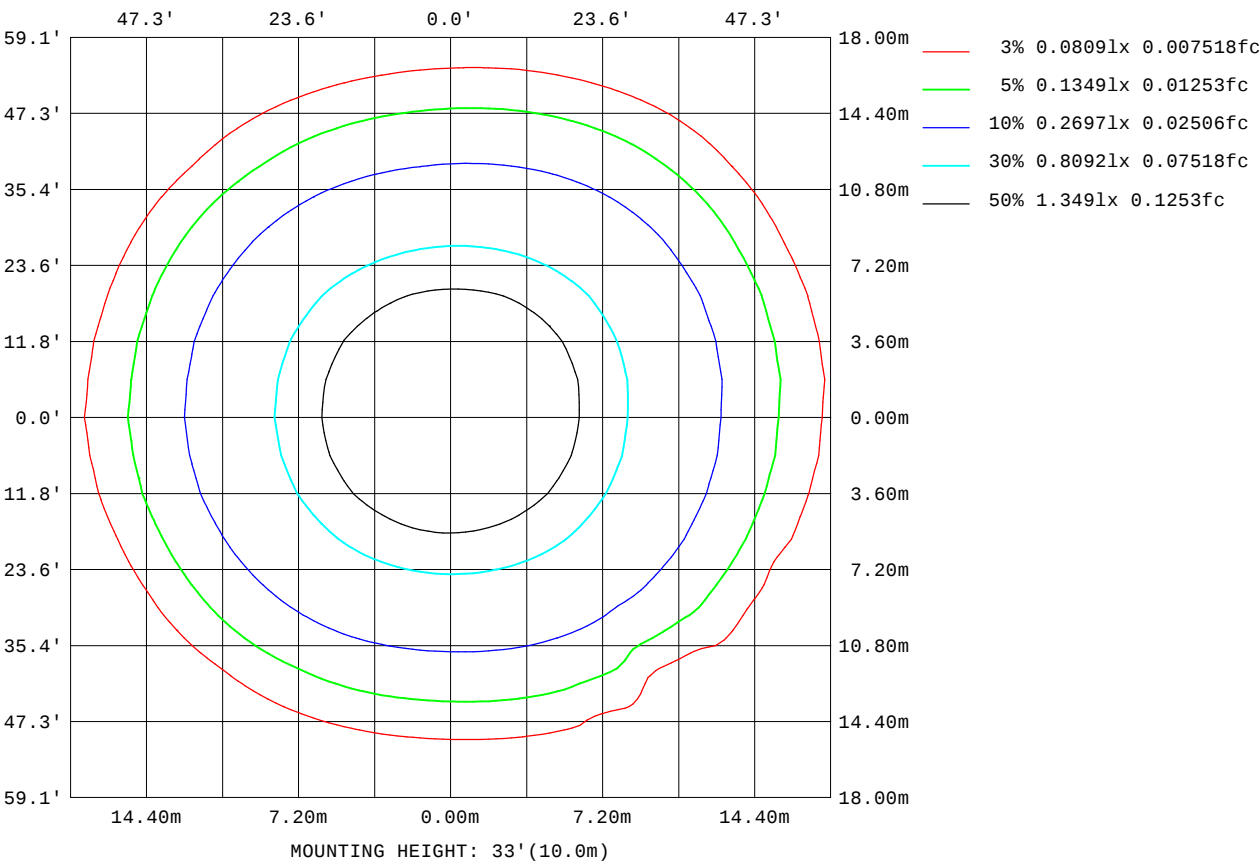


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Test Date:2024-07-09

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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:

ISOLUX DIAGRAM

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DIM.:	SPEC.:	SERIAL No.:20240700021
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

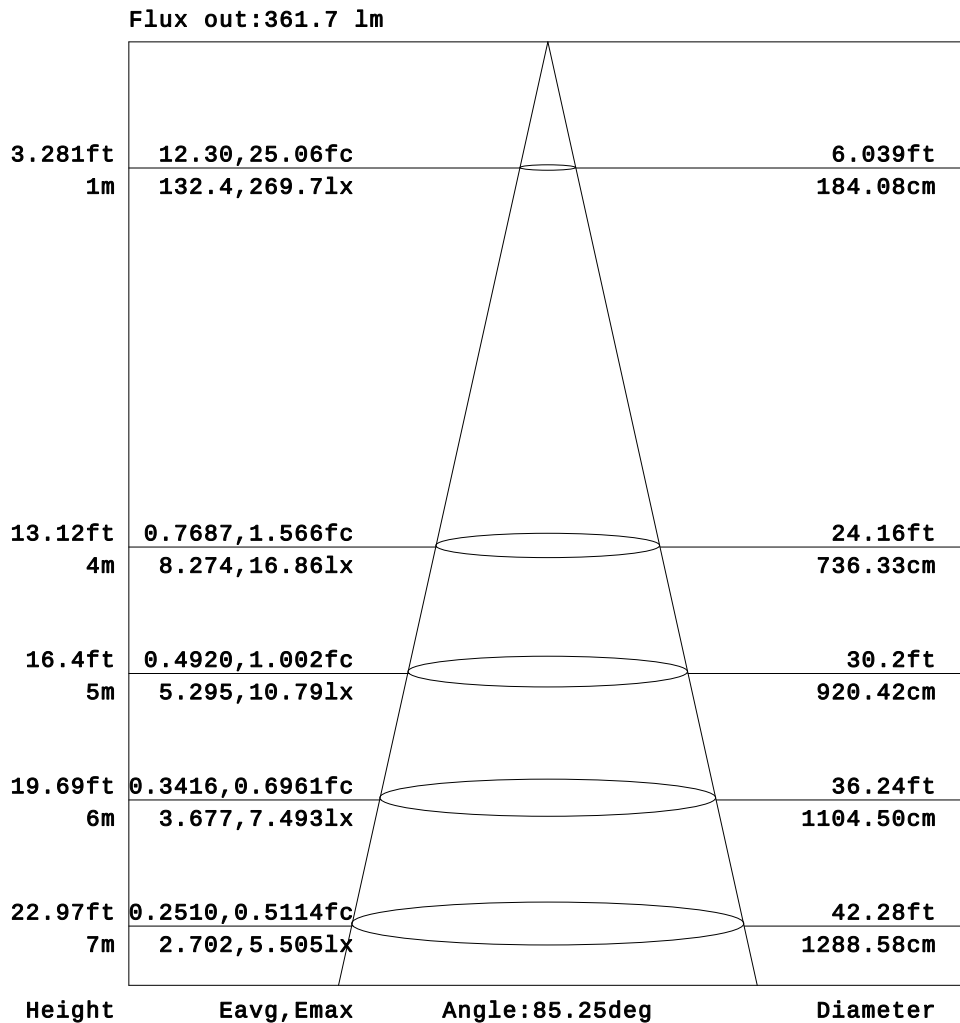


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H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-07-09

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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.:20240700021
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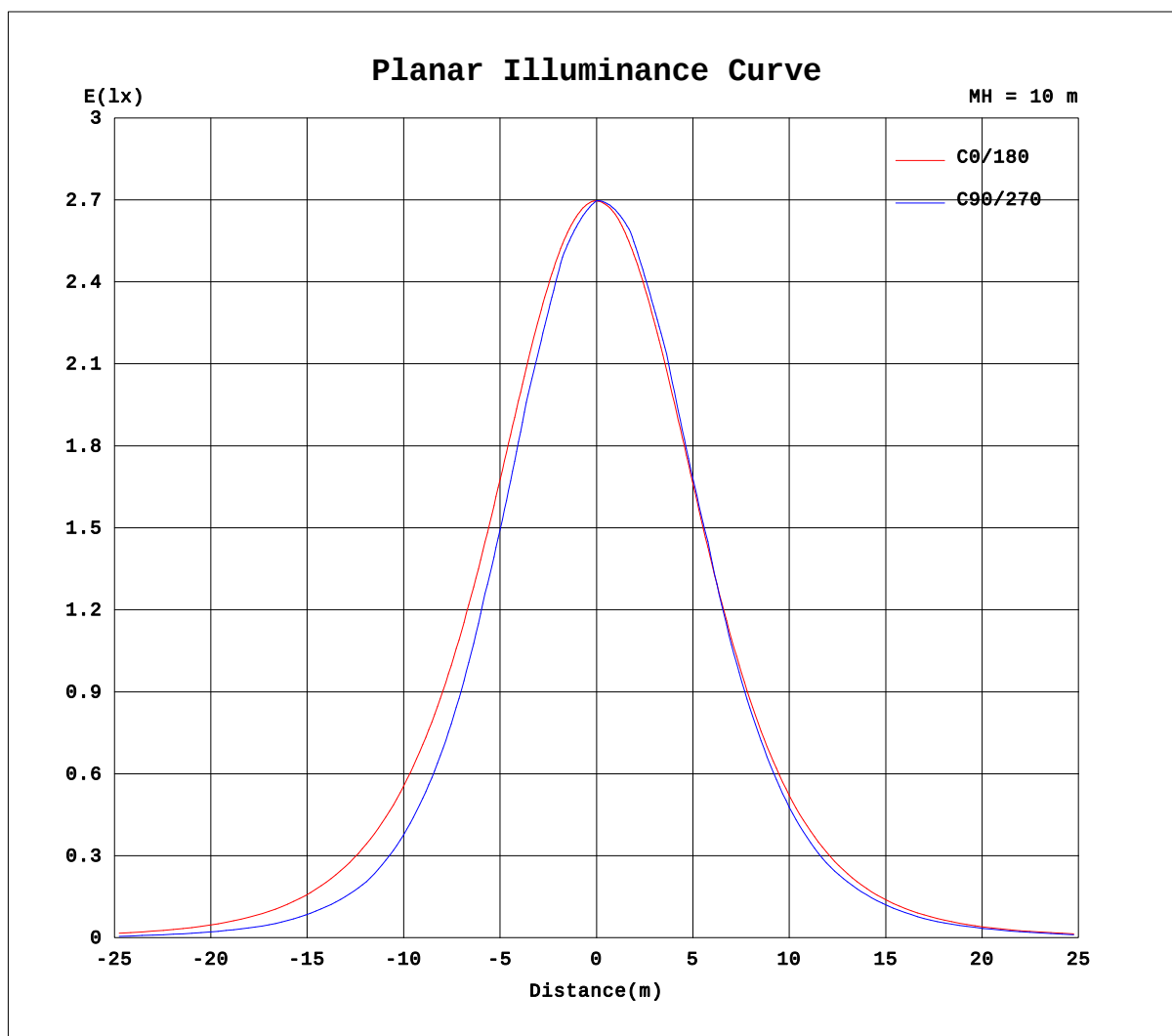


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-07-09

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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Humidity:83%
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Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

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DIM.:	SPEC.:	SERIAL No.:20240700021
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	0.38	1.10	1.75	2.30	2.74	3.05	3.22	3.32	3.38	3.44	3.52
-70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.06	2.47	3.74	4.79	5.63	6.18	6.49	6.66	6.78	6.90	7.06
-65	0.00	0.00	0.00	0.00	0.00	0.55	2.06	4.51	6.76	9.40	12.0	14.3	16.4	17.9	19.0	19.7	20.3	20.7	21.0
-60	0.00	0.00	0.00	0.00	0.00	0.62	4.80	9.75	13.5	17.4	21.2	24.8	27.8	30.1	31.8	33.1	33.9	34.6	35.0
-55	0.00	0.00	0.00	0.00	1.05	4.02	9.24	14.9	20.4	26.4	32.7	38.6	43.8	48.0	51.2	53.4	54.9	55.7	56.3
-50	0.00	0.00	0.00	0.03	3.52	9.67	15.6	22.2	29.7	38.0	46.6	54.7	61.7	67.3	71.6	74.4	76.2	77.1	77.9
-45	0.00	0.00	0.00	0.79	5.04	11.2	19.7	28.3	38.3	49.7	61.5	72.6	82.3	90.4	96.6	101	104	106	107
-40	0.00	0.00	0.00	2.47	8.86	17.2	27.1	38.1	51.3	66.2	81.0	94.5	106	116	124	129	133	135	136
-35	0.00	0.00	0.00	2.11	10.4	19.4	30.6	44.0	59.9	77.6	95.3	112	126	138	148	156	161	164	165
-30	0.00	0.00	0.00	5.53	14.7	25.6	39.1	55.8	75.4	96.2	116	135	151	165	176	184	190	193	194
-25	0.00	0.00	0.00	3.67	15.0	26.8	41.8	60.6	82.6	105	128	148	167	182	195	204	210	214	215
-20	0.00	0.00	0.00	7.70	19.6	33.5	51.4	73.8	98.8	124	148	169	189	205	217	226	232	235	236
-15	0.00	0.00	0.00	6.58	18.6	32.7	51.4	74.7	101	127	152	176	196	214	227	237	243	247	249
-10	0.00	0.00	0.78	10.6	22.7	38.8	60.0	85.8	114	141	167	191	212	228	241	250	256	260	261
-5	0.00	0.00	0.30	9.14	20.9	36.7	57.7	83.5	112	140	167	192	213	231	244	254	260	264	265
0	0.00	0.00	2.09	12.0	24.8	42.2	65.1	92.4	122	150	177	201	222	239	251	260	266	269	270
5	0.00	0.00	0.30	9.28	21.1	37.0	58.3	84.5	114	143	170	195	217	235	248	258	265	269	270
10	0.00	0.00	0.69	10.8	23.0	39.4	61.3	88.0	117	146	174	198	220	237	250	259	265	269	271
15	0.00	0.00	0.00	8.08	19.1	33.7	53.2	77.8	106	135	161	186	208	226	240	251	258	262	264
20	0.00	0.00	0.00	9.34	20.4	35.0	54.3	78.5	106	134	159	183	204	222	235	245	252	256	258
25	0.00	0.00	0.00	6.22	16.0	28.5	44.8	65.7	90.5	117	141	164	184	202	216	226	233	238	240
30	0.00	0.00	0.01	6.93	16.2	27.9	43.1	62.4	85.3	109	132	153	172	188	201	211	217	221	224
35	0.00	0.00	0.00	3.36	12.1	22.0	34.4	50.1	69.2	89.9	110	129	146	161	173	182	188	193	195
40	0.00	0.00	0.00	4.17	11.7	20.6	31.5	45.0	61.2	78.9	96.3	113	127	139	149	156	161	165	168
45	0.00	0.00	0.00	0.85	7.65	15.0	23.7	34.1	46.6	60.5	74.8	88.3	100	111	119	125	130	133	135
50	0.00	0.00	0.00	0.00	6.39	12.6	19.7	28.0	37.4	47.9	58.8	69.1	78.4	86.1	92.0	96.4	99.4	102	104
55	0.00	0.00	0.00	0.00	2.60	7.96	13.6	19.9	26.9	34.7	42.7	50.4	57.5	63.4	68.1	71.7	74.3	76.3	77.9
60	0.00	0.00	0.00	0.00	0.78	5.46	9.79	14.4	19.4	24.6	29.8	34.7	39.2	42.8	45.8	48.2	50.0	51.4	52.6
65	0.00	0.00	0.00	0.00	0.00	2.31	4.45	7.98	11.5	15.2	18.8	22.1	25.1	27.6	29.6	31.2	32.5	33.6	34.4
70	0.00	0.00	0.00	0.00	0.00	0.00	0.34	2.93	5.10	7.18	9.11	10.8	12.2	13.3	14.1	14.8	15.5	16.1	16.6
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.24	2.33	3.39	4.37	5.24	5.98	6.56	6.99	7.34	7.67	7.98	8.25
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.:20240700021
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	3.60	3.68	2.57	0.97	2.57	1.39	3.16	2.60	0.70	1.42	0.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-70	7.24	7.37	3.36	2.75	6.22	2.84	6.20	4.47	2.35	2.56	1.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-65	21.3	21.5	20.3	17.8	15.2	12.7	13.7	14.8	9.34	9.01	6.91	4.31	2.49	0.68	0.00	0.00	0.00	0.00
-60	35.4	35.6	35.3	30.2	26.9	22.1	23.0	23.6	14.5	15.3	11.7	7.88	4.28	0.49	0.00	0.00	0.00	0.00
-55	57.0	57.5	57.3	55.6	49.6	42.3	34.6	34.3	30.1	20.4	16.0	13.9	8.89	4.27	0.87	0.00	0.00	0.00
-50	78.8	79.3	78.9	76.9	73.0	55.1	46.8	47.2	39.4	24.1	20.2	17.8	11.6	6.11	0.56	0.00	0.00	0.00
-45	108	107	106	103	98.8	88.6	76.3	67.4	58.7	41.4	26.2	20.8	16.6	9.95	3.68	0.00	0.00	0.00
-40	136	135	133	129	122	113	102	87.5	71.0	52.5	30.4	20.9	19.1	11.2	4.29	0.00	0.00	0.00
-35	165	163	160	155	148	138	125	110	91.7	72.0	48.8	34.2	25.5	15.8	7.49	0.70	0.00	0.00
-30	193	190	186	179	169	157	143	126	105	82.2	60.8	42.5	28.0	16.7	7.68	0.29	0.00	0.00
-25	214	212	207	199	189	177	161	143	123	98.9	74.6	52.7	34.9	21.2	10.7	2.23	0.00	0.00
-20	235	231	225	216	205	190	173	154	131	106	79.2	55.0	35.6	21.1	10.1	1.47	0.00	0.00
-15	248	244	239	230	219	204	187	167	145	119	91.8	65.2	42.6	25.6	13.1	3.56	0.00	0.00
-10	260	256	249	240	227	212	193	172	149	122	93.4	65.5	41.9	24.4	11.9	2.38	0.00	0.00
-5	264	261	256	247	235	220	202	181	157	130	102	72.8	47.4	28.1	14.3	4.14	0.00	0.00
0	268	265	259	250	237	221	202	180	155	127	98.3	69.2	44.0	25.4	12.2	2.42	0.00	0.00
5	270	267	262	254	242	226	208	186	161	134	105	75.2	49.0	29.1	14.9	4.49	0.00	0.00
10	270	268	262	253	241	224	205	182	157	129	99.1	70.0	44.9	26.3	13.0	3.00	0.00	0.00
15	264	262	257	250	238	223	204	182	157	129	100.0	71.5	46.9	28.1	14.6	4.44	0.00	0.00
20	257	255	250	242	230	214	194	172	147	119	89.3	62.3	40.3	23.8	11.7	2.39	0.00	0.00
25	241	239	236	229	218	204	186	165	141	114	86.3	61.0	40.4	24.6	12.7	3.55	0.00	0.00
30	224	223	219	212	202	187	170	149	125	98.5	72.7	50.6	33.4	20.1	9.69	1.48	0.00	0.00
35	196	196	193	188	180	169	153	135	113	89.2	66.4	47.1	31.7	19.5	9.83	2.00	0.00	0.00
40	169	168	166	162	155	144	130	112	91.4	70.4	51.9	36.8	24.6	14.7	6.58	0.18	0.00	0.00
45	137	137	136	134	128	120	109	94.6	77.8	60.8	45.6	32.8	22.3	13.6	6.32	0.50	0.00	0.00
50	105	106	106	104	99.4	92.5	82.8	70.7	57.4	44.8	33.8	24.4	16.3	9.39	3.40	0.00	0.00	0.00
55	79.2	80.0	79.7	78.2	75.3	70.6	63.8	55.2	45.7	36.2	27.6	20.0	13.5	7.66	2.54	0.00	0.00	0.00
60	53.4	53.7	53.2	51.8	49.6	46.3	41.7	36.1	30.0	23.9	18.2	13.0	8.18	3.78	0.07	0.00	0.00	0.00
65	35.1	35.4	35.2	34.5	33.3	31.5	28.7	25.2	21.1	17.0	12.9	8.99	5.33	2.31	0.26	0.00	0.00	0.00
70	17.0	17.0	17.0	16.8	16.4	15.7	14.4	12.7	10.6	8.33	5.95	3.51	1.08	0.00	0.00	0.00	0.00	0.00
75	8.46	8.51	8.50	8.42	8.26	7.93	7.37	6.55	5.54	4.40	3.22	2.00	0.78	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:2024-07-09

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: