

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

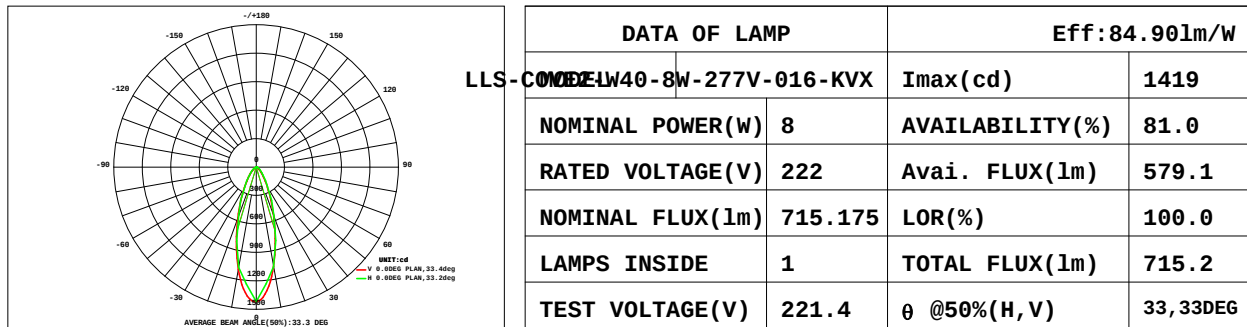
Maximum Intensity (Luminaire orientation as tested.)		1984.0 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of Imax	75.1V x 72.7H
	At 50% of Imax	33.2V x 33.4H
	At 90% of Imax	8.2V x 12.0H
Beam Flux	Total	999.4 lumens per klm.
	To 10% of Imax	810.7 lumens per klm.
	To 50% of Imax	358.2 lumens per klm.
	To 90% of Imax	38.1 lumens per klm.
Upward LOR		0.0 %
Downward LOR		99.9 %
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:2024-07-10

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:221.4V I:0.0416A P:8.424W PF:0.9147 Lamp Flux:715.175x1 lm		
NAME: 8.02.003.0418 LLS-COVE2-W40-8W-277V-016-KVXTYPE:LED	WEIGHT:	
DIM.:	SPEC.:	SERIAL No.:20240700024
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:



		AREA FLUX DIAGRAM																UNIT:lm				Φ t	Φ a
VERTICAL (DEG)	72	0.00	0.00	0.00	0.00	0.01	0.02	0.09	0.16	0.20	0.20	0.17	0.10	0.03	0.01	0.00	0.00	0.00	0.98	0.00			
	64	0.00	0.00	0.00	0.01	0.12	0.33	0.45	0.56	0.62	0.62	0.56	0.47	0.33	0.14	0.02	0.00	0.00	0.00	4.22	0.00		
	56	0.00	0.00	0.02	0.13	0.35	0.62	0.79	0.95	1.04	1.04	0.95	0.81	0.65	0.41	0.18	0.04	0.00	0.00	8.00	0.00		
	48	0.00	0.00	0.08	0.31	0.65	0.97	1.24	1.50	1.68	1.68	1.52	1.26	0.99	0.69	0.37	0.13	0.01	0.00	13.1	0.00		
	40	0.00	0.03	0.21	0.55	0.98	1.42	1.95	2.50	2.87	2.87	2.49	1.94	1.39	0.94	0.53	0.22	0.04	0.00	20.9	5.39		
	32	0.00	0.08	0.32	0.74	1.30	2.08	3.17	4.38	5.22	5.21	4.34	3.12	2.01	1.26	0.72	0.32	0.08	0.00	34.4	25.5		
	24	0.00	0.11	0.39	0.89	1.68	3.01	5.21	8.03	10.1	10.2	8.09	5.29	3.03	1.68	0.92	0.43	0.13	0.00	59.2	52.4		
		0.00	0.12	0.43	0.99	1.95	3.84	7.32	12.5	17.2	17.8	13.7	8.31	4.33	2.17	1.11	0.52	0.17	0.01	92.5	86.5		
		0.01	0.14	0.47	1.08	2.18	4.49	9.03	16.1	23.2	24.4	18.2	10.6	5.21	2.47	1.21	0.55	0.18	0.02	119	114		
		0.01	0.16	0.52	1.17	2.38	5.02	10.2	18.0	25.4	25.5	18.1	10.1	4.91	2.31	1.13	0.50	0.15	0.01	126	120		
		0.01	0.14	0.47	1.05	2.07	4.12	7.85	13.2	18.1	18.6	14.1	8.40	4.29	2.13	1.08	0.49	0.15	0.01	96.3	90.4		
	-24	0.00	0.10	0.37	0.85	1.58	2.81	4.85	7.57	9.92	10.5	8.74	5.83	3.35	1.80	0.96	0.44	0.13	0.01	59.8	52.9		
	-32	0.00	0.06	0.28	0.67	1.21	1.98	3.09	4.40	5.41	5.59	4.84	3.54	2.28	1.38	0.78	0.35	0.09	0.00	35.9	27.3		
	-40	0.00	0.04	0.19	0.50	0.91	1.38	1.91	2.40	2.71	2.71	2.41	1.93	1.41	0.97	0.56	0.23	0.04	0.00	20.3	4.65		
	-48	0.00	0.01	0.12	0.34	0.65	0.95	1.20	1.42	1.54	1.52	1.35	1.14	0.90	0.63	0.32	0.09	0.01	0.00	12.2	0.00		
	-56	0.00	0.00	0.02	0.13	0.35	0.59	0.73	0.86	0.95	0.95	0.87	0.75	0.61	0.38	0.15	0.03	0.00	0.00	7.37	0.00		
-64	0.00	0.00	0.00	0.01	0.07	0.26	0.40	0.49	0.56	0.57	0.51	0.43	0.30	0.14	0.04	0.01	0.00	0.00	3.78	0.00			
-72	0.00	0.00	0.00	0.00	0.00	0.05	0.09	0.13	0.17	0.17	0.15	0.11	0.07	0.03	0.01	0.00	0.00	0.00	0.98	0.00			
		-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL (DEG)				16	24	32	40	48	56	64	72		
Φ t	0.04	0.99	3.90	9.40	18.4	33.9	59.6	95.2	127	130	101	64.1	36.1	19.5	10.1	4.35	1.18	0.06	715	---			
Φ a	0.00	0.00	0.00	0.00	4.17	23.0	49.8	86.0	118	121	92.1	54.7	25.6	5.61	0.00	0.00	0.00	0.00	---	579			

one-half-peak spread: U:16.8,D:16.7 , L:17.2,R:16.5

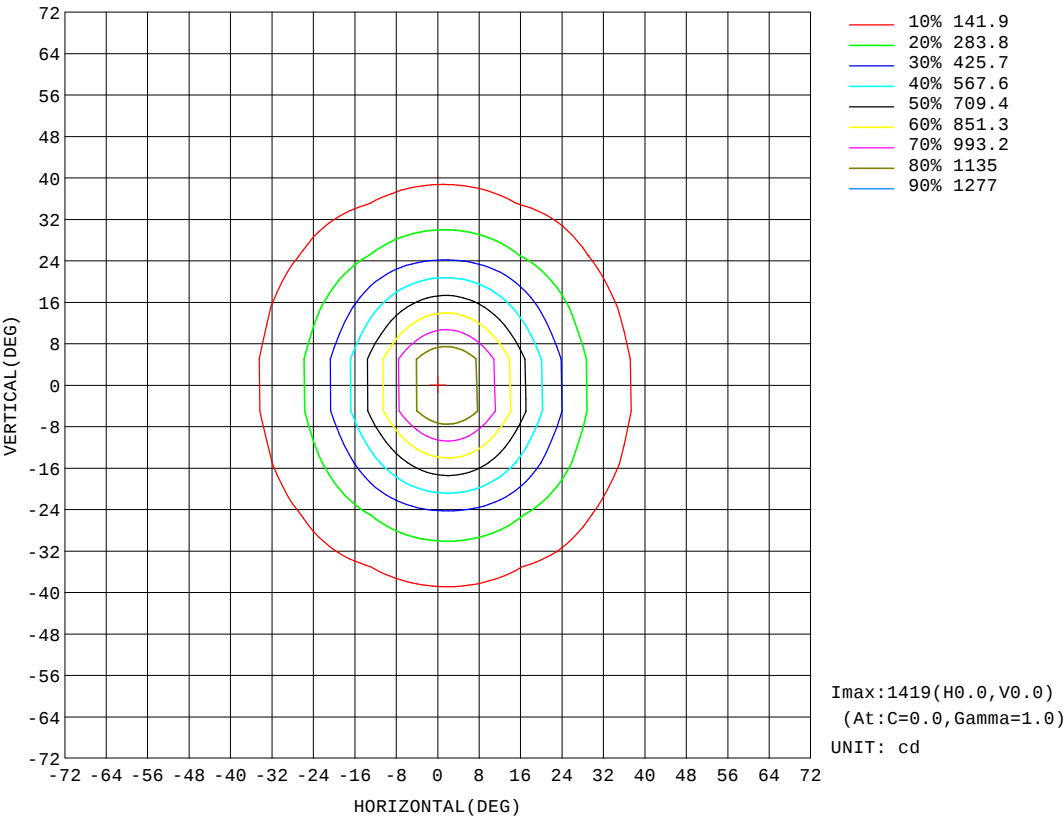
NEMA Beam Type: Type 5

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-07-10

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:221.4V I:0.0416A P:8.424W PF:0.9147 Lamp Flux:715.175x1 lm		
NAME: 8.02.003.0418 LLS-COVE2-W40-8W-277V-016-KVXTYPE:LED	WEIGHT:	
DIM.:	SPEC.:	SERIAL No.:20240700024
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

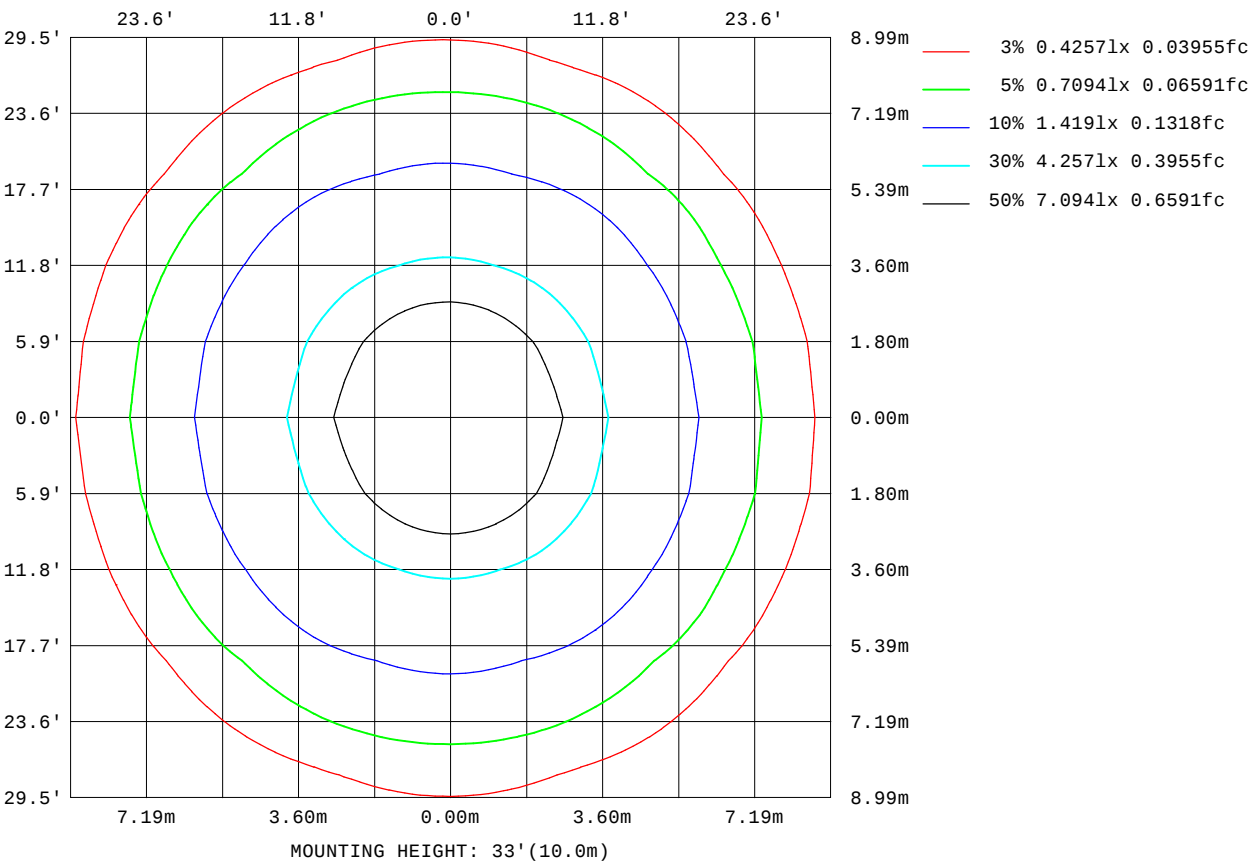


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ISOLUX DIAGRAM

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

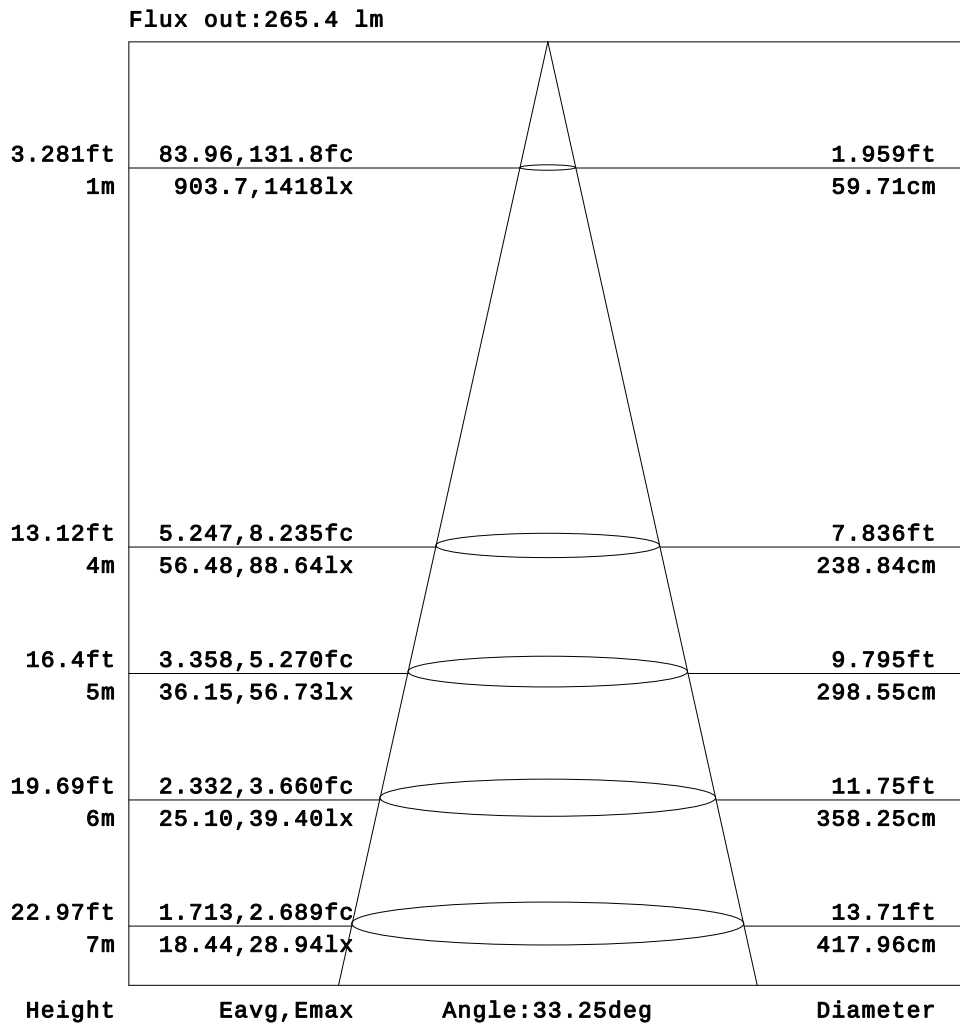


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H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-07-10

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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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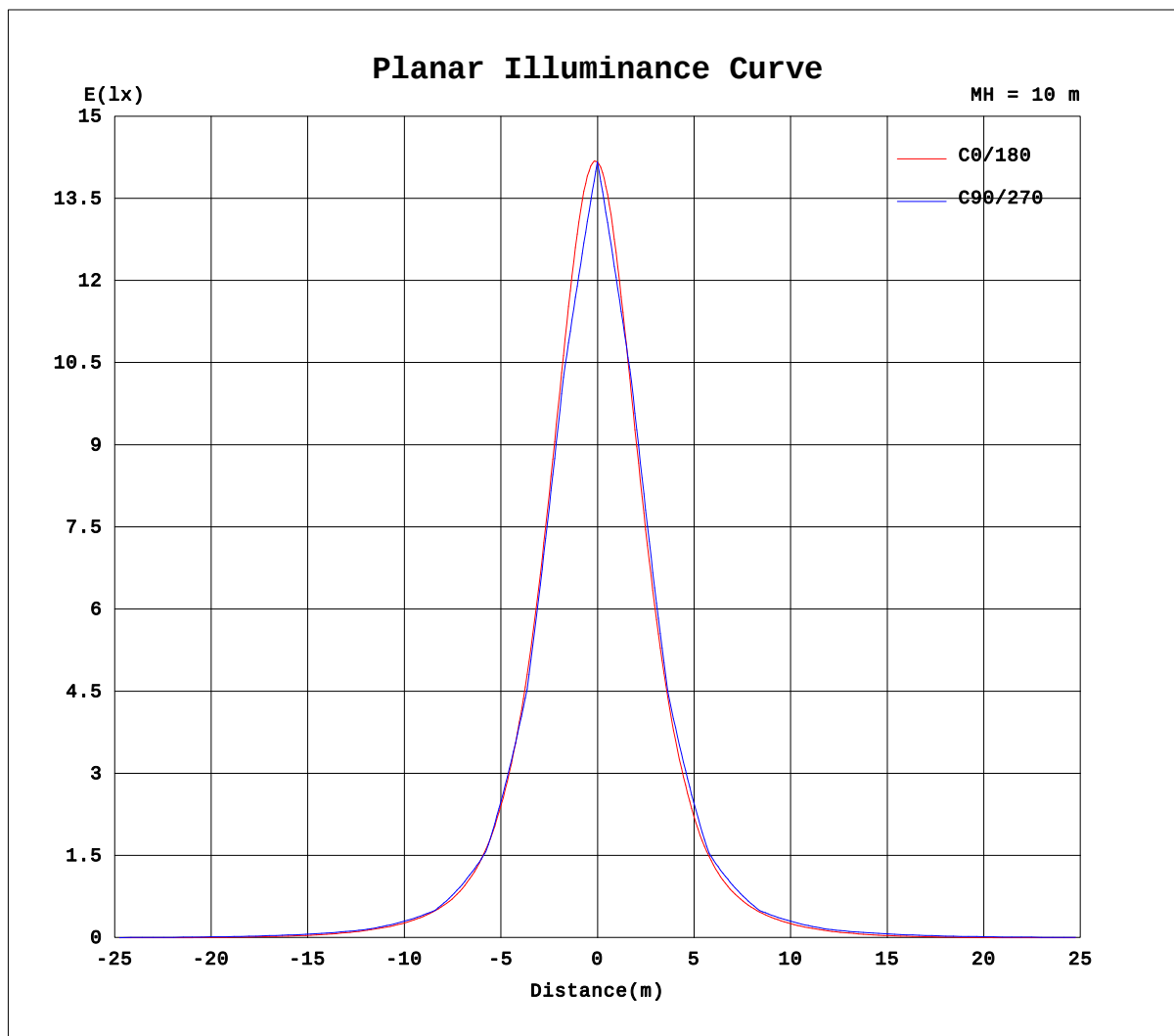


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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H(β) Interval: 1.0DEG
Test Speed: HIGH
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Operators:QC1
Test Date:2024-07-10

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: 2024-07-10

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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:

LUMINOUS DISTRIBUTION INTENSITY DATA

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DIM.:	SPEC.:	SERIAL No.:20240700024
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

Table--1																	UNIT: cd			
H(DEC) V(DEC)	-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	0.00	0.00	0.00	1.03	1.32	1.94	2.14	
-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	0.00	0.00	0.80	2.15	3.28	3.98	4.27	
-65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.12	5.52	9.10	10.9	12.9	14.7	16.0	16.9	
-60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.42	6.60	14.1	20.3	22.5	25.0	27.4	29.1	29.5	
-55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.26	4.20	8.02	15.0	23.1	29.9	33.6	36.7	40.3	42.6	44.1	
-50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.88	11.1	19.8	29.8	38.2	43.4	47.0	51.7	55.5	58.0	58.8	
-45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.80	7.99	16.2	26.2	37.2	47.6	55.8	63.0	70.6	77.6	82.9	85.8	
-40	0.00	0.00	0.00	0.00	0.00	0.00	0.95	8.70	17.4	28.9	41.3	53.4	64.1	74.0	84.9	95.4	104	111	113	
-35	0.00	0.00	0.00	0.00	0.00	0.00	1.87	9.31	19.0	31.6	46.0	60.9	76.4	93.4	113	134	154	169	177	
-30	0.00	0.00	0.00	0.00	0.00	0.00	7.49	17.0	30.2	46.4	62.6	80.8	102	128	158	189	216	236	243	
-25	0.00	0.00	0.00	0.00	0.00	0.00	6.05	16.0	29.7	46.4	65.1	87.6	116	154	203	260	318	367	394	
-20	0.00	0.00	0.00	0.00	0.00	2.17	12.4	24.8	41.4	61.2	84.7	115	157	217	291	380	464	526	549	
-15	0.00	0.00	0.00	0.00	0.00	0.09	9.57	21.2	38.1	58.1	82.5	115	163	234	332	458	599	727	804	
-10	0.00	0.00	0.00	0.00	0.00	4.22	15.3	29.8	49.4	72.9	104	148	219	323	467	648	844	1008	1075	
-5	0.00	0.00	0.00	0.00	0.00	0.74	11.5	24.5	42.8	65.2	94.1	135	199	301	448	643	874	1098	1235	
0	0.00	0.00	0.00	0.00	0.00	5.56	16.8	32.3	53.8	78.8	114	166	250	385	571	816	1093	1330	1419	
5	0.00	0.00	0.00	0.00	0.00	0.85	11.7	24.8	43.0	65.7	94.9	136	201	303	451	647	878	1101	1233	
10	0.00	0.00	0.00	0.00	0.00	4.47	15.6	30.2	50.3	74.0	105	151	222	328	474	657	853	1010	1065	
15	0.00	0.00	0.00	0.00	0.00	0.20	9.88	21.8	39.0	59.4	84.3	117	166	238	337	465	605	731	800	
20	0.00	0.00	0.00	0.00	0.00	2.49	12.8	25.6	42.5	63.2	87.2	118	161	220	295	385	467	525	542	
25	0.00	0.00	0.00	0.00	0.00	0.00	6.21	16.4	30.7	47.7	67.1	89.9	118	156	205	263	320	366	389	
30	0.00	0.00	0.00	0.00	0.00	0.00	7.55	17.3	31.3	47.8	64.4	82.7	103	129	159	188	215	233	238	
35	0.00	0.00	0.00	0.00	0.00	0.00	1.87	9.58	19.6	32.8	48.0	63.3	78.5	94.9	114	134	153	168	175	
40	0.00	0.00	0.00	0.00	0.00	0.00	1.24	9.12	18.4	30.5	43.6	56.1	66.3	75.8	86.3	96.4	105	110	112	
45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00	8.70	17.5	28.5	40.0	50.1	57.7	64.9	72.4	79.0	83.8	85.8	
50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	5.85	12.9	22.2	32.4	40.5	45.3	49.4	54.0	57.1	59.5	59.7	
55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.68	4.81	9.73	17.7	26.1	32.4	35.9	39.7	43.2	45.2	46.1	
60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.07	9.74	17.8	22.8	25.1	28.7	30.9	32.1	32.3	
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.63	3.31	7.28	10.6	13.4	15.8	18.3	19.4	20.0	
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	0.00	0.01	3.61	4.90	7.24	7.36	7.52	
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	0.00	0.00	1.29	2.21	3.18	3.60	3.76	
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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Humidity:83%
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DIM.:	SPEC.:	SERIAL No.:20240700024
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	2.11	1.78	1.20	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-70	3.95	3.48	1.94	0.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-65	16.7	15.6	14.2	12.3	10.7	8.29	5.01	1.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-60	28.7	26.5	24.8	22.6	19.9	13.8	7.36	1.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-55	43.8	41.8	39.1	36.0	32.9	28.2	21.2	13.6	7.14	3.34	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-50	57.7	54.8	51.3	46.8	43.0	37.3	29.1	19.7	10.8	3.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-45	85.2	81.3	74.9	68.2	60.4	53.0	44.1	33.6	22.9	13.2	4.91	0.68	0.00	0.00	0.00	0.00	0.00	0.00
-40	110	103	93.5	83.1	71.9	62.1	51.4	39.5	26.7	15.1	6.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-35	176	165	148	127	106	86.6	70.5	55.3	40.6	26.7	14.6	4.99	0.00	0.00	0.00	0.00	0.00	0.00
-30	235	214	185	154	123	97.6	77.4	59.7	43.2	27.5	14.7	4.59	0.00	0.00	0.00	0.00	0.00	0.00
-25	390	356	304	243	187	140	104	78.6	57.9	39.8	23.8	11.5	1.64	0.00	0.00	0.00	0.00	0.00
-20	524	460	374	286	210	149	109	80.3	57.6	38.5	22.0	9.90	0.01	0.00	0.00	0.00	0.00	0.00
-15	795	704	568	424	302	207	143	102	72.8	50.4	31.3	16.3	4.93	0.00	0.00	0.00	0.00	0.00
-10	1010	846	644	458	310	206	141	98.1	68.7	46.3	27.6	13.4	1.98	0.00	0.00	0.00	0.00	0.00
-5	1212	1043	807	577	392	257	171	116	81.2	56.1	35.3	18.7	6.88	0.00	0.00	0.00	0.00	0.00
0	1307	1058	779	536	353	229	151	103	71.7	48.0	28.8	14.3	2.47	0.00	0.00	0.00	0.00	0.00
5	1204	1032	797	569	386	253	168	115	80.5	55.6	35.1	18.7	6.89	0.00	0.00	0.00	0.00	0.00
10	991	823	625	444	300	200	137	96.1	67.7	45.6	27.5	13.5	2.02	0.00	0.00	0.00	0.00	0.00
15	782	687	550	410	291	200	139	99.3	71.3	49.6	31.1	16.4	5.12	0.00	0.00	0.00	0.00	0.00
20	513	446	359	274	201	143	105	78.2	56.4	37.9	22.0	10.2	0.01	0.00	0.00	0.00	0.00	0.00
25	382	347	293	234	179	134	101	76.7	56.9	39.6	24.1	12.0	1.83	0.00	0.00	0.00	0.00	0.00
30	229	207	178	148	119	94.7	75.6	58.8	43.3	28.1	15.6	5.59	0.00	0.00	0.00	0.00	0.00	0.00
35	172	161	143	123	102	84.3	69.2	54.7	40.6	27.4	15.5	5.97	0.00	0.00	0.00	0.00	0.00	0.00
40	108	101	91.6	81.3	70.6	61.4	51.2	39.6	27.4	16.2	7.47	0.01	0.00	0.00	0.00	0.00	0.00	0.00
45	84.7	80.6	74.4	67.7	60.1	53.1	44.5	34.2	23.8	14.3	6.10	1.25	0.00	0.00	0.00	0.00	0.00	0.00
50	58.5	55.6	52.4	47.9	44.3	38.5	30.2	20.9	12.2	5.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55	45.6	43.7	41.2	37.9	34.7	29.8	22.6	14.8	8.09	3.96	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60	31.4	29.7	27.7	25.3	21.8	15.6	8.98	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	19.7	19.0	17.4	15.3	12.3	9.24	5.75	2.71	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	7.40	7.21	5.30	3.45	0.00	0.00	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	3.73	3.80	2.99	2.21	0.45	0.00	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
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:2024-07-10

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: