

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity (Luminaire orientation as tested.)	2192.4 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
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Beam Spread	At 10% of Imax	72.2V x 68.1H
	At 50% of Imax	33.7V x 33.0H
	At 90% of Imax	8.9V x 12.3H

Beam Flux	Total	999.7 lumens per klm.
	To 10% of Imax	843.5 lumens per klm.
	To 50% of Imax	397.4 lumens per klm.
	To 90% of Imax	45.3 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

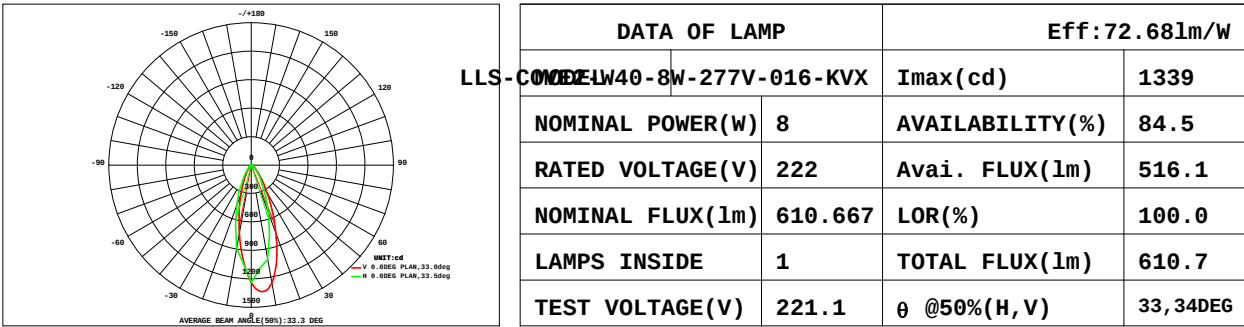
Luminaire Efficiency(Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-07-13

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:221.1V I:0.0415A P:8.402W PF:0.9163 Lamp Flux:610.667x1 lm		
NAME: 8.02.003.0415 LLS-COVE2-W40-8W-277V-016-KVXTYPE:LED		WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20240700029
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:



AREA FLUX DIAGRAM																	UNIT:lm	Φ t	Φ a
72	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.11	0.00
64	0.00	0.00	0.00	0.00	0.00	0.02	0.11	0.18	0.28	0.32	0.26	0.20	0.15	0.06	0.00	0.00	0.00	1.58	0.00
56	0.00	0.00	0.00	0.00	0.05	0.19	0.33	0.46	0.63	0.70	0.64	0.52	0.40	0.27	0.12	0.01	0.00	4.32	0.00
48	0.00	0.00	0.00	0.03	0.18	0.42	0.66	0.93	1.23	1.37	1.30	1.07	0.79	0.52	0.29	0.08	0.00	8.87	0.00
40	0.00	0.00	0.00	0.11	0.38	0.72	1.17	1.77	2.39	2.72	2.57	2.04	1.40	0.85	0.47	0.19	0.02	16.8	4.84
32	0.00	0.00	0.02	0.23	0.57	1.10	2.01	3.28	4.65	5.40	5.04	3.81	2.42	1.32	0.68	0.29	0.06	30.9	23.8
24	0.00	0.00	0.05	0.31	0.76	1.61	3.28	5.95	9.09	10.9	10.0	7.11	4.10	2.02	0.94	0.40	0.10	56.7	51.3
	0.00	0.00	0.07	0.36	0.90	2.04	4.53	8.93	14.7	18.5	16.9	11.4	6.09	2.78	1.19	0.49	0.14	88.9	84.2
	0.00	0.00	0.08	0.40	0.99	2.33	5.40	11.1	18.8	24.1	21.9	14.3	7.35	3.23	1.33	0.54	0.16	112	107
	0.00	0.00	0.09	0.42	1.04	2.43	5.65	11.6	19.5	24.6	21.6	13.7	6.96	3.05	1.26	0.50	0.14	113	108
	0.00	0.00	0.07	0.35	0.87	1.95	4.28	8.31	13.5	16.8	15.3	10.3	5.52	2.56	1.12	0.47	0.13	81.5	76.7
	0.00	0.00	0.03	0.26	0.65	1.33	2.63	4.70	7.31	9.02	8.54	6.21	3.69	1.88	0.90	0.39	0.10	47.6	41.8
-24	0.00	0.00	0.01	0.16	0.46	0.88	1.57	2.57	3.75	4.51	4.34	3.35	2.18	1.25	0.66	0.29	0.06	26.1	18.0
-32	0.00	0.00	0.00	0.07	0.28	0.56	0.87	1.25	1.66	1.92	1.87	1.54	1.12	0.74	0.44	0.18	0.02	12.5	0.00
-40	0.00	0.00	0.00	0.01	0.14	0.33	0.47	0.62	0.79	0.89	0.86	0.72	0.56	0.43	0.24	0.07	0.00	6.14	0.00
-48	0.00	0.00	0.00	0.00	0.01	0.12	0.22	0.29	0.39	0.47	0.45	0.37	0.31	0.24	0.10	0.01	0.00	2.98	0.00
-56	0.00	0.00	0.00	0.00	0.00	0.01	0.04	0.08	0.15	0.23	0.20	0.14	0.12	0.06	0.02	0.00	0.00	1.05	0.00
-64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.04	0.03	0.02	0.02	0.01	0.00	0.00	0.00	0.17	0.00
-72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL(DEG)	16	24	32	40	48	56	64	72		
Φ t	0.00	0.00	0.44	2.71	7.28	16.0	33.2	62.0	98.8	123	112	76.8	43.2	21.3	9.75	3.92	0.94	0.03	611
Φ a	0.00	0.00	0.00	0.00	0.00	4.56	25.0	55.1	92.1	115	105	70.7	36.2	12.3	0.10	0.00	0.00	0.00	516

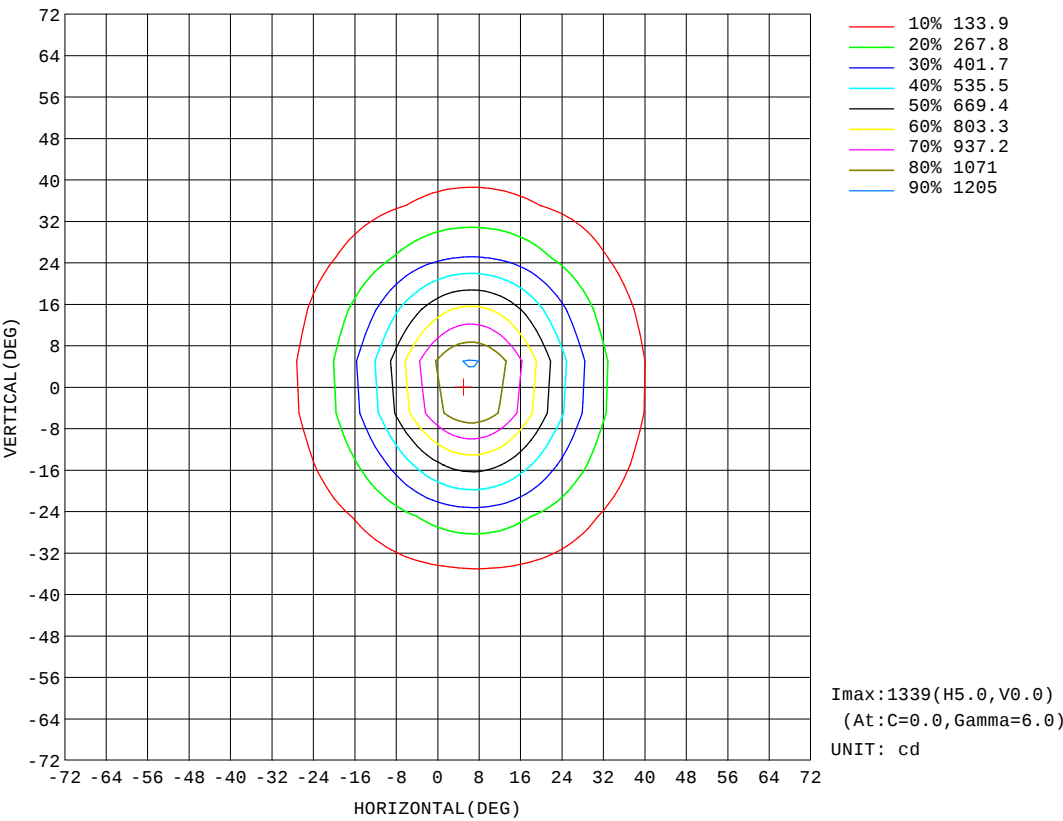
one-half-peak spread: U:16.0,D:18.0 , L:16.3,NEWA. Beam Type: Type 4 x 5 (H x V)

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-07-13

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:221.1V I:0.0415A P:8.402W PF:0.9163 Lamp Flux:610.667x1 lm		
NAME: 8.02.003.0415 LLS-COVE2-W40-8W-277V-016-KVXTYPE:LED	WEIGHT:	
DIM.:	SPEC.:	SERIAL No.:20240700029
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

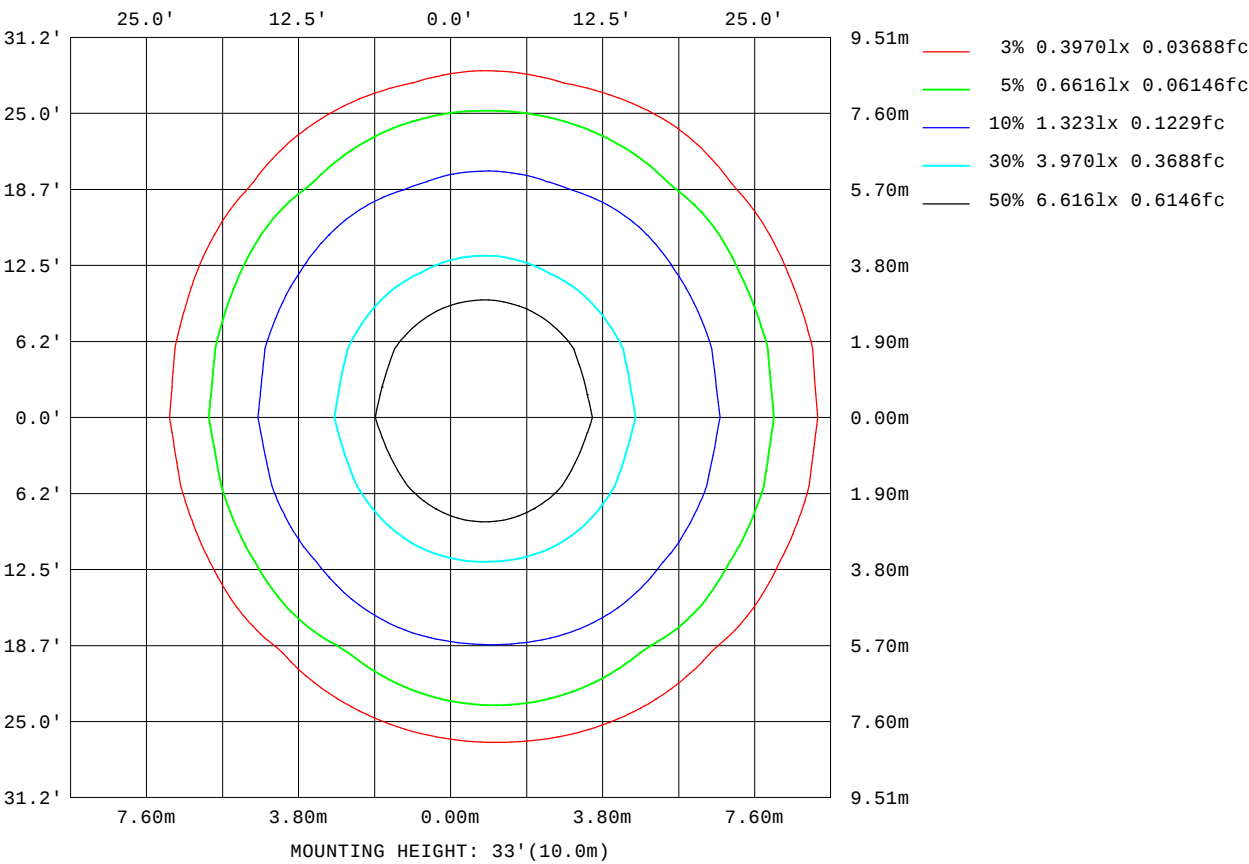


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Test Speed: HIGH
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V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:221.1V I:0.0415A P:8.402W PF:0.9163 Lamp Flux:610.667x1 lm		
NAME: 8.02.003.0415 LLS-COVE2-W40-8W-277V-016-KVXTYPE:LED		WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20240700029
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

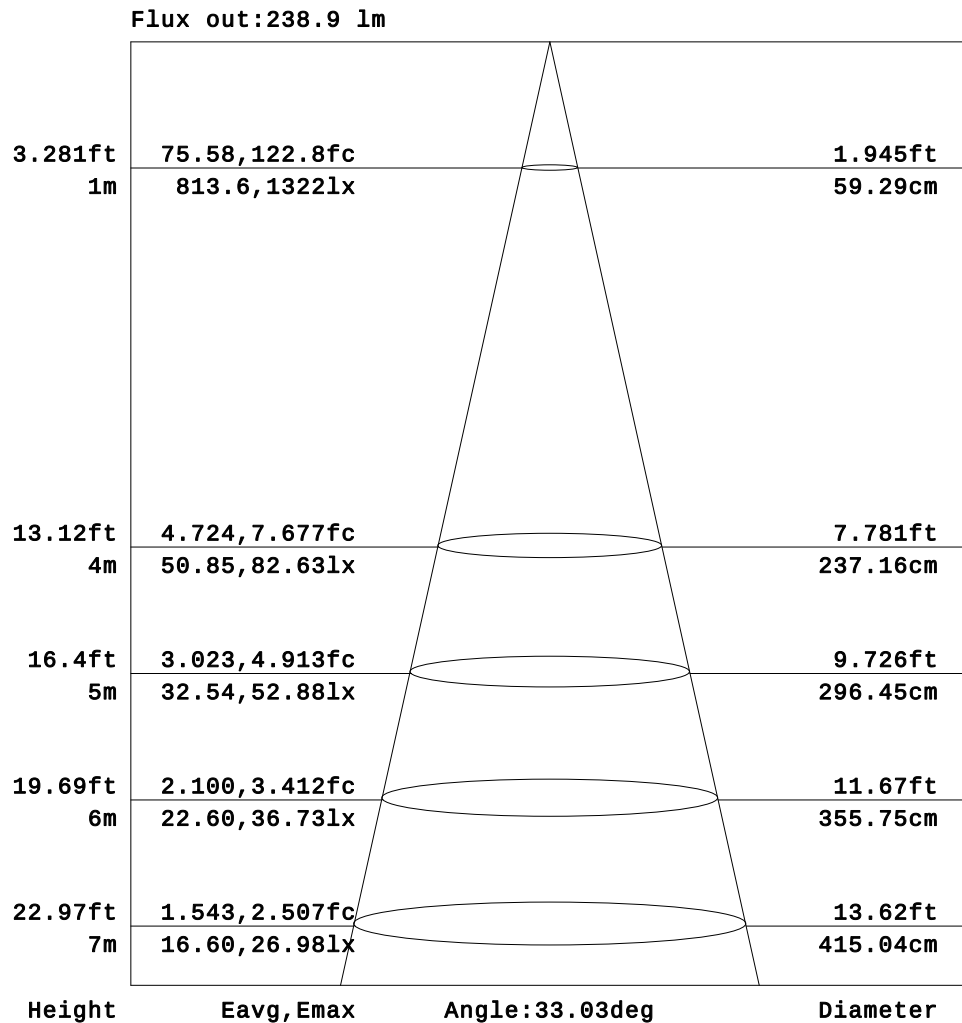


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-07-13

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:221.1V I:0.0415A P:8.402W PF:0.9163 Lamp Flux:610.667x1 lm		
NAME: 8.02.003.0415 LLS-COVE2-W40-8W-277V-016-KVXTYPE:LED	WEIGHT:	
DIM.:	SPEC.:	SERIAL No.:20240700029
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

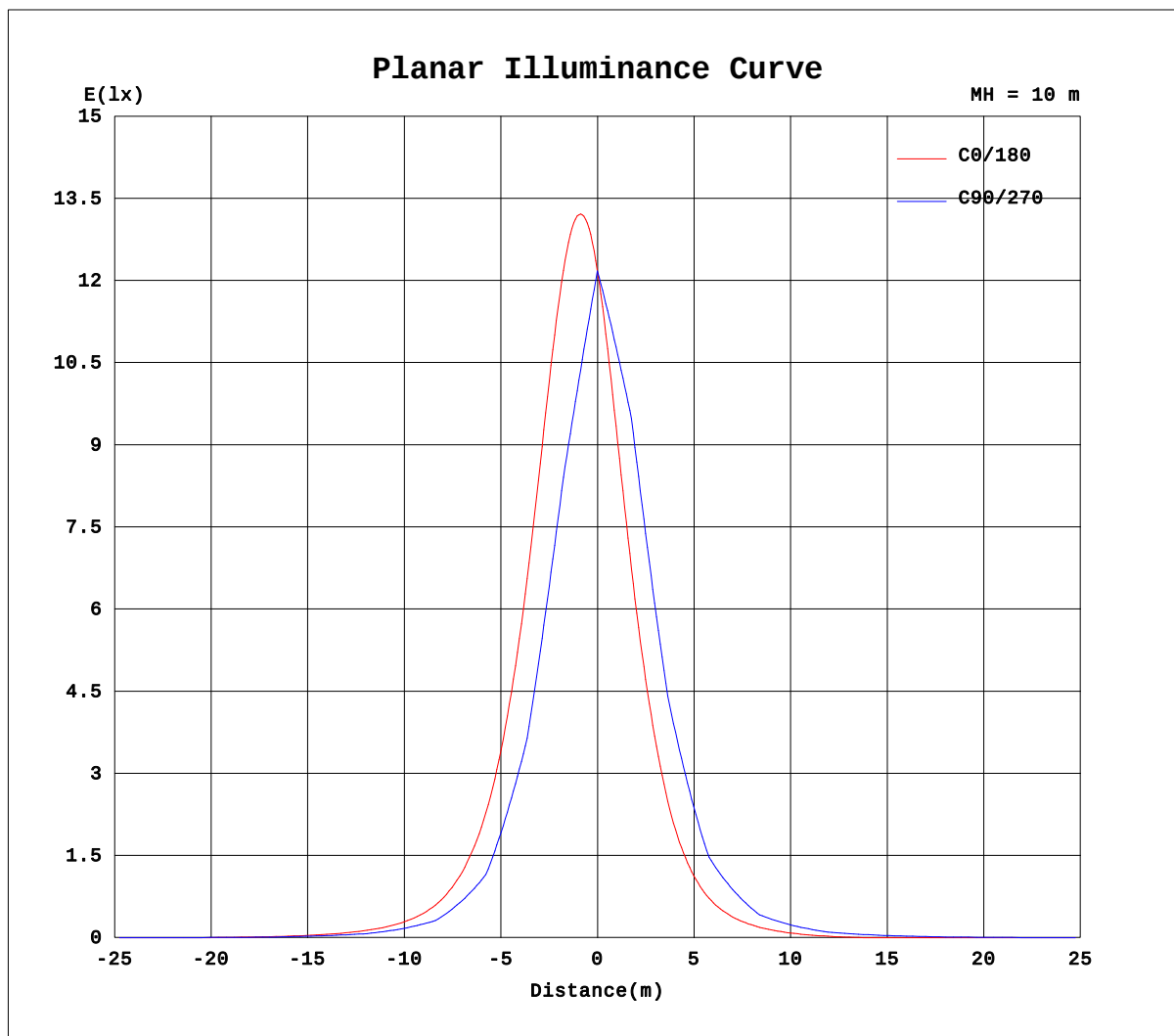


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-07-13

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
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 28.0DEG
Operators: QC1
Test Date: 2024-07-13

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:221.1V I:0.0415A P:8.402W PF:0.9163 Lamp Flux:610.667x1 lm																	
NAME: 8.02.003.0415 LLS-COVE2-W40-8W-277V-016-KVXTYPE:LED														WEIGHT:			
DIM.:								SPEC.:						SERIAL No.:20240700029			
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-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	0.00	0.00	0.00	0.00	0.00
-65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.58	1.62	2.48	3.42	5.08
-60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.85	3.62	5.30	7.41	10.8
-55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	3.18	6.16	8.50	10.5	12.9	15.8	19.6
-50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.51	7.67	13.2	16.3	18.3	21.5	25.8	29.8
-45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.89	7.12	14.1	20.7	25.6	30.1	36.0	43.0	49.4
-40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.36	7.35	15.2	23.4	30.3	36.6	44.1	53.1	63.0	71.0
-35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.59	11.3	20.6	30.5	41.1	53.6	68.8	86.6	106	123
-30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.51	8.91	18.9	29.6	41.9	56.6	76.1	100	128	157	180
-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.18	11.1	22.2	35.2	51.6	74.0	106	148	199	256	305
-20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.32	17.3	30.5	46.7	69.1	103	151	215	293	378	445
-15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.20	17.7	31.9	50.3	77.1	119	185	276	394	529	650
-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.53	10.3	23.3	39.8	62.9	98.9	159	251	381	548	733	893
-5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	9.18	22.1	38.7	61.9	98.4	160	258	404	596	822	1032
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.81	12.7	26.8	45.5	73.0	118	194	316	496	731	1001	1236
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	9.89	23.1	40.1	64.1	102	167	271	424	627	866	1087
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.13	11.8	25.2	42.8	68.0	108	175	279	426	616	827	1007
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	7.95	20.2	35.4	55.6	86.1	136	212	318	457	613	751
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.54	20.5	34.9	53.7	80.7	123	183	262	360	459	538
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.72	14.1	26.6	41.3	61.0	89.8	131	184	249	318	375
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.73	12.4	23.6	36.0	51.1	71.5	98.4	130	167	202	229
35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	6.08	15.7	26.1	38.0	51.9	69.7	90.8	115	139	159
40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.36	11.9	20.8	29.9	38.8	48.9	60.6	73.6	85.7	94.7
45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.90	5.10	12.2	20.1	27.3	34.2	41.8	50.8	59.9	66.8
50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.39	6.54	13.2	18.6	22.3	26.5	31.8	37.2	40.8
55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.64	5.99	10.1	13.5	16.6	20.3	24.8	28.3
60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.20	5.85	7.99	10.5	14.1	16.6	
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.24	2.73	3.80	4.97	6.70	8.16	
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	0.00	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	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
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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V(B) Range:-80 - 80DEG
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Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:83%
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Remarks:

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DIM.:		SERIAL No.:20240700029
MFR.: TPK OPTOELECTRONIC TECH CO., LTD		PROTECTION ANGLE:
SPEC.:		
SUR.:		

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	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	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	6.13	5.64	4.56	3.80	3.42	3.45	2.12	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-60	12.3	10.9	8.79	7.33	6.85	6.68	3.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-55	22.0	21.5	19.3	17.0	15.2	14.4	12.2	7.82	4.52	1.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-50	31.9	31.3	28.9	25.8	23.1	21.7	19.5	14.3	7.50	1.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-45	53.3	53.5	50.3	45.0	39.2	34.2	29.7	23.8	16.3	8.45	2.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-40	75.3	74.9	69.8	61.8	53.1	44.9	37.8	30.5	21.7	12.6	4.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-35	133	133	124	108	89.4	71.8	56.3	43.5	31.9	20.9	10.5	2.52	0.00	0.00	0.00	0.00	0.00	0.00
-30	192	189	172	146	118	92.1	69.3	51.9	37.5	24.8	13.1	3.29	0.00	0.00	0.00	0.00	0.00	0.00
-25	332	329	296	246	191	142	101	71.0	49.8	33.5	19.6	7.78	0.50	0.00	0.00	0.00	0.00	0.00
-20	475	459	402	323	243	174	118	80.6	54.9	36.3	20.9	8.28	0.10	0.00	0.00	0.00	0.00	0.00
-15	717	703	613	484	354	244	161	105	69.0	45.0	27.1	12.6	2.18	0.00	0.00	0.00	0.00	0.00
-10	967	921	776	590	417	276	177	112	71.9	46.0	27.1	12.1	1.69	0.00	0.00	0.00	0.00	0.00
-5	1147	1114	950	723	508	335	212	131	82.7	52.4	31.5	15.3	3.65	0.00	0.00	0.00	0.00	0.00
0	1339	1260	1037	764	522	337	209	127	79.3	49.8	29.1	13.2	2.22	0.00	0.00	0.00	0.00	0.00
5	1206	1170	995	756	529	348	219	134	84.1	53.1	31.9	15.4	3.68	0.00	0.00	0.00	0.00	0.00
10	1084	1028	862	651	455	297	188	117	74.4	47.2	27.6	12.2	1.69	0.00	0.00	0.00	0.00	0.00
15	824	803	698	547	396	269	174	111	72.2	46.6	27.8	12.9	2.22	0.00	0.00	0.00	0.00	0.00
20	571	548	477	379	282	198	131	86.7	58.1	37.8	21.5	8.49	0.15	0.00	0.00	0.00	0.00	0.00
25	404	397	355	293	225	164	113	77.4	53.1	35.3	20.4	8.11	0.52	0.00	0.00	0.00	0.00	0.00
30	240	234	211	179	143	108	78.7	56.8	40.3	26.4	13.9	3.68	0.00	0.00	0.00	0.00	0.00	0.00
35	168	167	154	133	110	85.5	64.3	47.8	34.5	22.5	11.5	2.73	0.00	0.00	0.00	0.00	0.00	0.00
40	98.1	95.9	88.5	77.9	66.2	53.7	42.6	33.0	23.7	14.1	5.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45	69.8	68.7	63.9	57.0	49.3	41.1	33.5	26.0	18.1	9.81	3.37	0.02	0.00	0.00	0.00	0.00	0.00	0.00
50	41.7	40.1	36.8	33.1	29.2	25.4	21.2	15.7	9.06	2.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55	29.1	27.7	25.1	22.5	20.1	17.3	13.7	8.88	5.27	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60	16.3	14.3	12.4	10.8	9.99	7.94	4.32	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	8.29	7.38	6.38	5.54	5.05	4.23	2.56	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	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	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:2024-07-13

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: