

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

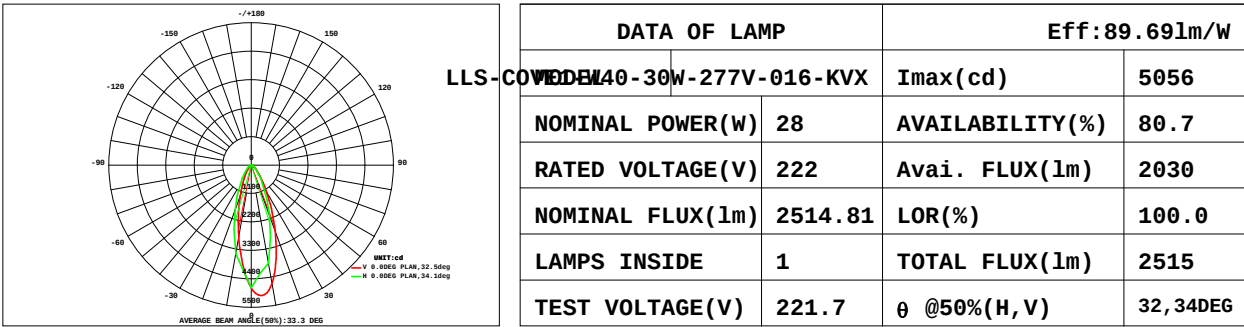
Maximum Intensity (Luminaire orientation as tested.)		2010.6 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of Imax	75.9V x 69.3H
	At 50% of Imax	34.4V x 32.5H
	At 90% of Imax	9.2V x 11.9H
Beam Flux	Total	999.7 lumens per klm.
	To 10% of Imax	809.3 lumens per klm.
	To 50% of Imax	364.8 lumens per klm.
	To 90% of Imax	41.5 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:2024-07-10

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:221.7V I:0.1316A P:28.04W PF:0.9613 Lamp Flux:2514.81x1 lm		
NAME: 8.02.003.0326 LLS-COVE1-W40-30W-277V-016-KVX	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20240700025
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:



VERTICAL (DEG)	AREA FLUX DIAGRAM															UNIT:lm			Φ t	Φ a	
	72	0.00	0.00	0.00	0.01	0.02	0.09	0.54	1.08	1.33	1.45	1.51	1.29	0.75	0.29	0.07	0.01	0.00	0.00	8.41	0.00
	64	0.00	0.00	0.00	0.10	0.27	0.78	1.66	2.07	2.31	2.42	2.41	2.27	1.91	1.12	0.48	0.15	0.00	0.00	17.9	0.00
	56	0.00	0.00	0.07	0.29	0.72	1.69	2.69	3.17	3.54	3.74	3.66	3.35	2.86	2.02	1.07	0.43	0.10	0.00	29.4	0.00
	48	0.00	0.01	0.19	0.56	1.33	2.70	3.87	4.79	5.67	6.13	5.91	5.12	4.08	2.94	1.72	0.76	0.23	0.02	46.0	0.00
	40	0.00	0.05	0.37	0.92	2.14	3.83	5.63	7.81	9.99	11.1	10.4	8.42	6.02	3.99	2.35	1.09	0.36	0.04	74.5	21.5
	32	0.00	0.11	0.49	1.28	2.89	5.25	8.73	13.6	18.6	21.2	19.5	14.7	9.43	5.50	3.07	1.47	0.51	0.08	127	97.5
	24	0.00	0.15	0.60	1.60	3.59	7.12	13.5	23.9	35.5	41.6	37.3	26.0	14.9	7.72	3.92	1.83	0.64	0.12	220	197
		0.00	0.17	0.65	1.78	4.14	8.65	18.0	35.0	56.8	70.0	61.7	40.5	21.5	10.2	4.74	2.15	0.77	0.17	337	317
		0.00	0.19	0.70	1.93	4.52	9.75	21.1	42.9	72.4	91.4	79.8	50.6	25.7	11.6	5.20	2.31	0.83	0.18	421	403
		0.01	0.21	0.74	2.03	4.73	10.2	22.3	44.9	75.3	93.4	79.6	49.4	24.8	11.1	5.01	2.23	0.78	0.16	427	408
		0.00	0.18	0.66	1.82	4.19	8.60	17.6	33.6	53.6	65.4	58.0	38.4	20.7	9.92	4.68	2.13	0.75	0.15	320	300
	-24	0.00	0.12	0.53	1.47	3.33	6.42	11.9	20.6	30.6	36.7	34.2	24.9	14.8	7.89	4.06	1.91	0.67	0.13	200	177
	-32	0.00	0.07	0.39	1.09	2.56	4.74	7.95	12.5	17.2	19.9	19.0	14.9	9.90	5.88	3.30	1.60	0.55	0.09	122	92.3
	-40	0.00	0.03	0.27	0.77	1.87	3.44	5.26	7.33	9.06	9.97	9.62	8.19	6.23	4.20	2.50	1.18	0.38	0.04	70.3	16.4
	-48	0.00	0.01	0.17	0.49	1.24	2.44	3.61	4.62	5.27	5.58	5.33	4.83	4.09	2.99	1.73	0.73	0.20	0.01	43.3	0.00
-56	0.00	0.00	0.03	0.20	0.52	1.39	2.26	2.79	3.11	3.30	3.31	3.12	2.72	2.01	1.07	0.41	0.08	0.00	26.3	0.00	
-64	0.00	0.00	0.00	0.03	0.14	0.45	1.22	1.70	2.00	2.12	2.14	2.03	1.70	1.03	0.47	0.16	0.02	0.00	15.2	0.00	
-72	0.00	0.00	0.00	0.00	0.02	0.06	0.31	0.72	0.98	1.10	1.13	1.03	0.69	0.31	0.09	0.03	0.00	0.00	6.49	0.00	
	-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL(DEG)					16	24	32	40	48	56	64	72
Φ t	0.01	1.30	5.86	16.3	38.2	77.6	148	263	403	487	435	299	173	90.7	45.5	20.6	6.89	1.20	2512	---	
Φ a	0.00	0.00	0.00	0.00	0.00	25.5	109	228	368	451	399	265	137	47.2	0.36	0.00	0.00	0.00	---	2030	

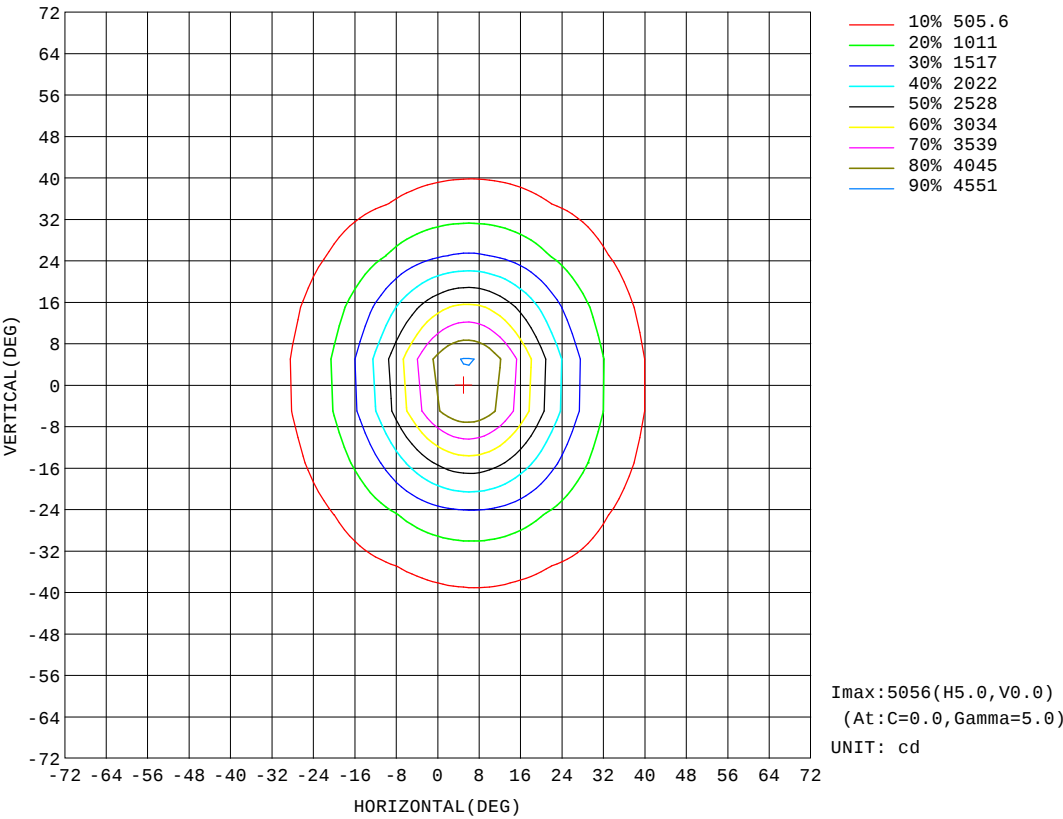
one-half-peak spread: U:16.6,D:18.0 , L:16.6, Beam Type: Type 4 x 5 (H x V)

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

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:221.7V I:0.1316A P:28.04W PF:0.9613 Lamp Flux:2514.81x1 lm		
NAME: 8.02.003.0326 LLS-COVE1-W40-30W-277V-016-KVX	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20240700025
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

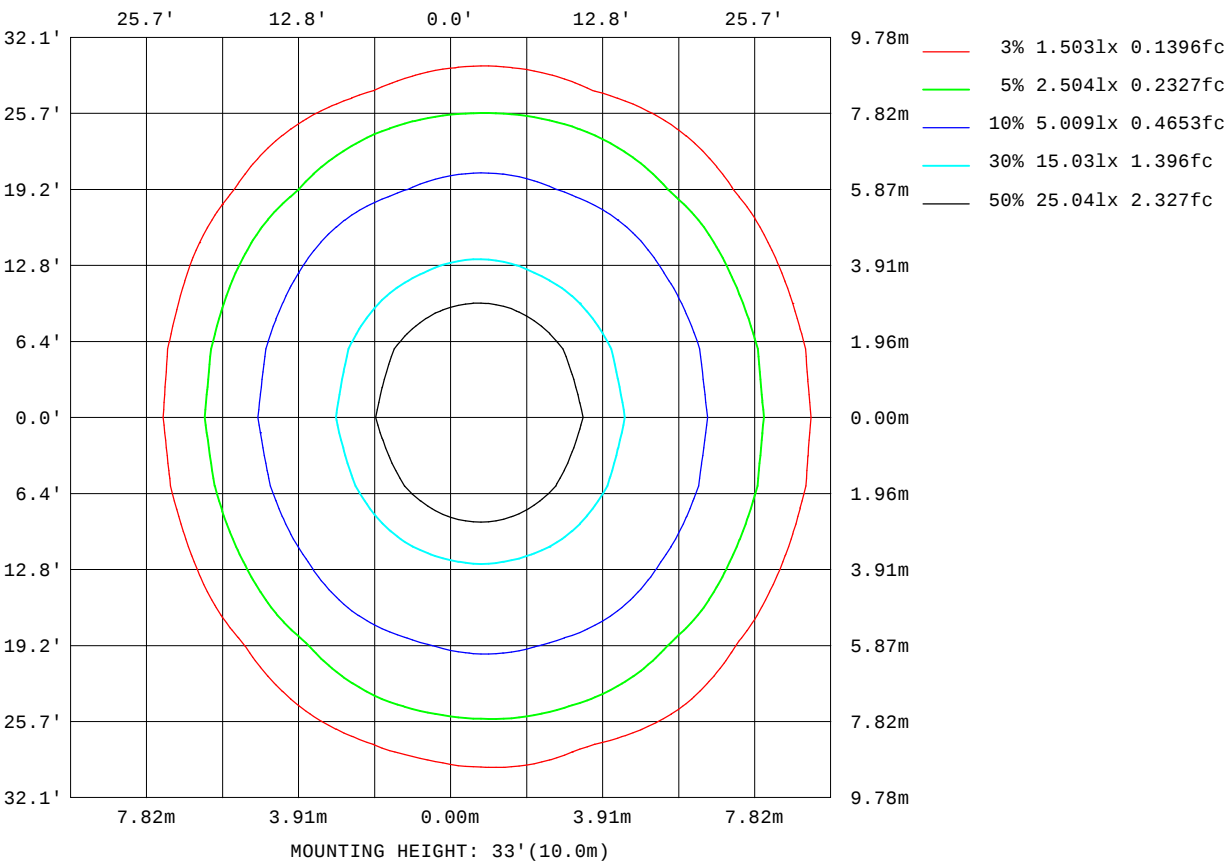


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Remarks:

ISOLUX DIAGRAM

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DIM.:	SPEC.:	SERIAL No.:20240700025
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

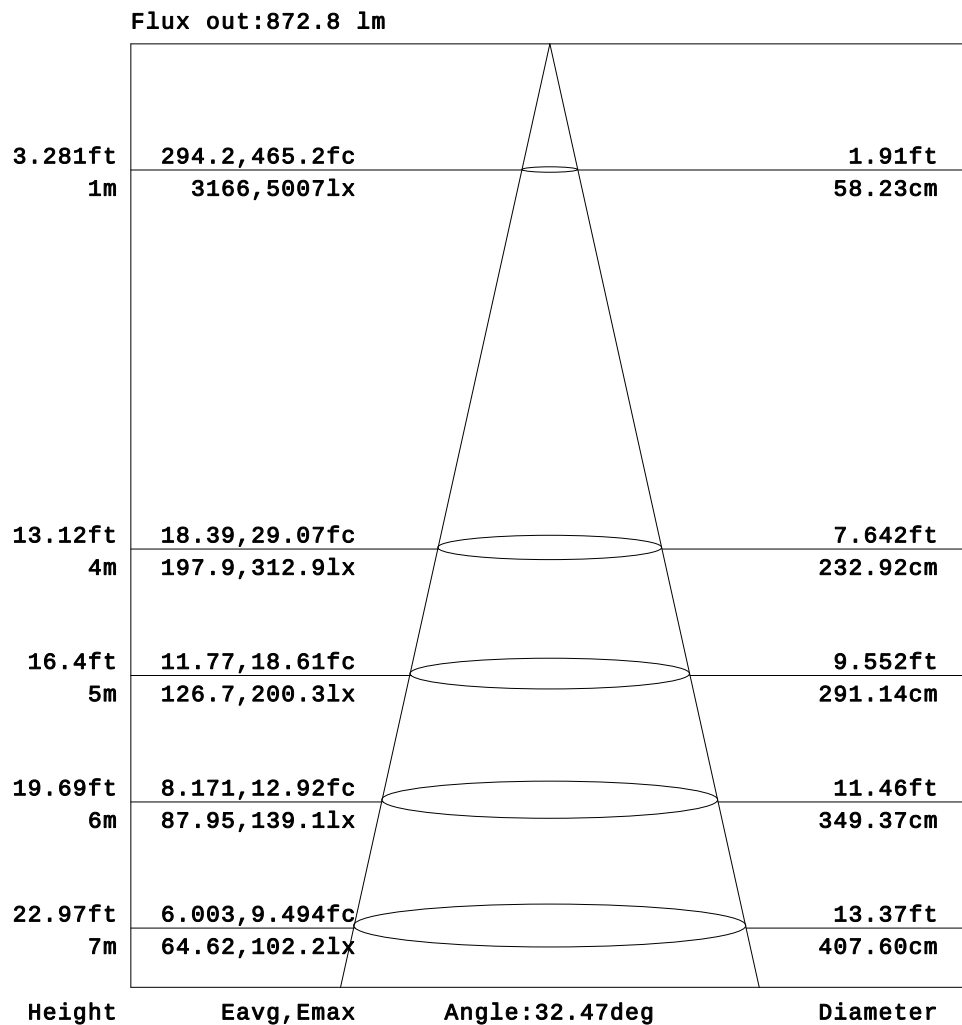


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H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-07-10

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

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DIM.:	SPEC.:	SERIAL No.:20240700025
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

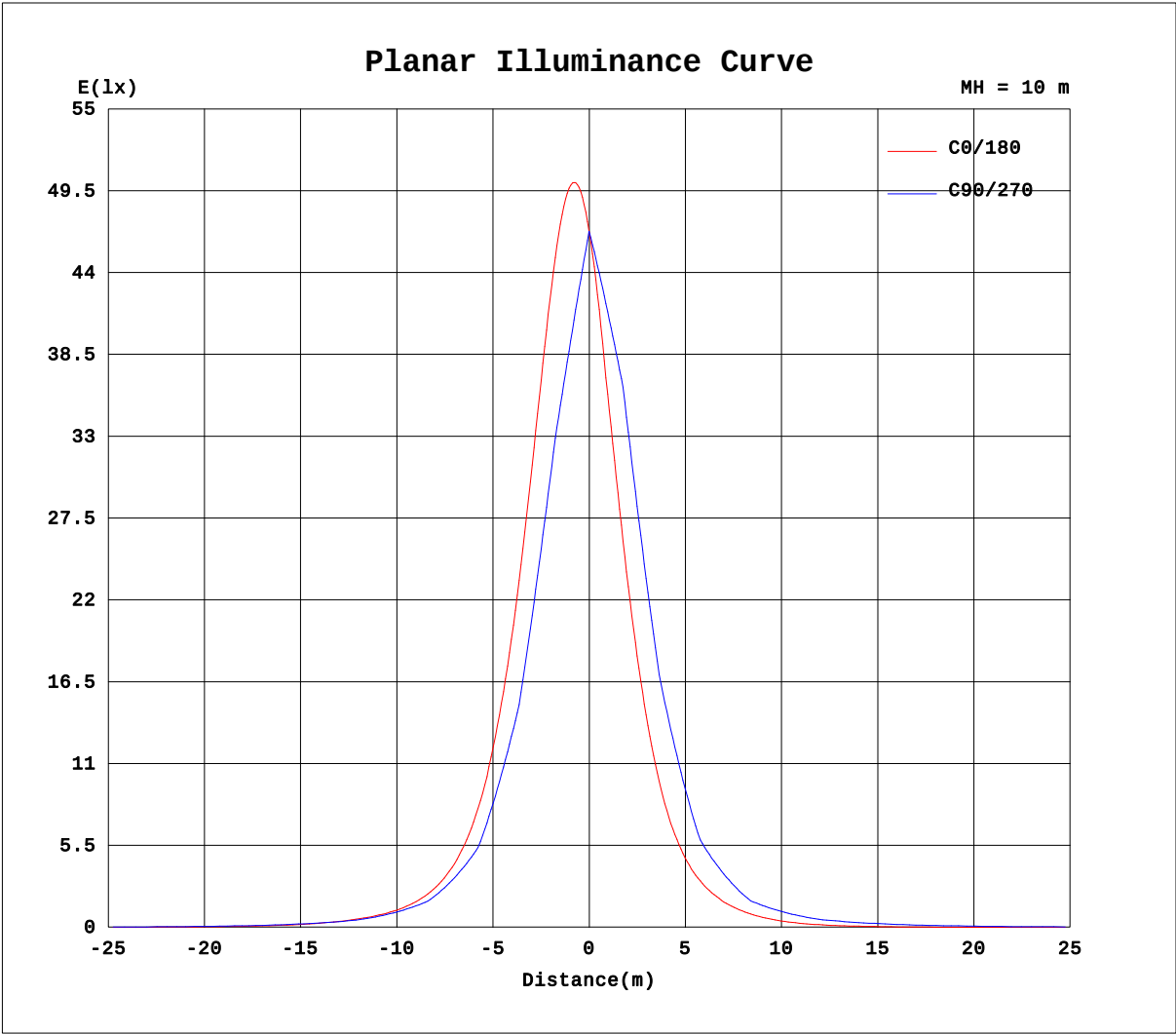


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
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Operators:QC1
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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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Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:221.7V I:0.1316A P:28.04W PF:0.9613 Lamp Flux:2514.81x1 lm																	
NAME: 8.02.003.0326 LLS-COVE1-W40-30W-277V-016-KVXTYPE:LED												WEIGHT:					
DIM.:									SPEC.:						SERIAL No.:20240700025		
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	0.00	0.00	0.00	0.00	0.00	0.00	2.12	8.99	15.4	18.7	21.4
-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	6.46	21.3	31.8	39.6	43.4
-65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.63	5.36	9.07	18.7	35.2	50.5	61.8	69.8	74.4
-60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.39	6.57	12.0	21.0	42.9	71.0	84.6	96.2	103	107
-55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.59	7.68	15.3	26.4	46.5	74.4	103	121	134	144	151
-50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.16	17.6	28.4	47.3	82.9	118	143	164	178	189	199
-45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.39	13.7	26.1	42.9	71.4	111	152	188	220	251	276	293
-40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.6	25.0	40.3	67.6	110	157	201	245	290	337	369	396
-35	0.00	0.00	0.00	0.00	0.00	0.00	1.35	13.3	29.2	48.4	81.3	129	185	243	308	386	469	545	605
-30	0.00	0.00	0.00	0.00	0.00	0.00	5.73	21.4	40.1	67.3	112	171	235	308	401	515	635	747	833
-25	0.00	0.00	0.00	0.00	0.00	0.00	6.31	23.5	43.7	74.1	124	189	269	369	507	690	905	1125	1302
-20	0.00	0.00	0.00	0.00	0.00	0.00	13.6	33.2	56.9	98.5	160	237	339	478	678	948	1264	1582	1824
-15	0.00	0.00	0.00	0.00	0.00	0.01	12.6	32.4	56.6	98.2	163	247	362	530	784	1152	1622	2144	2589
-10	0.00	0.00	0.00	0.00	0.00	1.30	19.2	40.2	69.1	120	195	297	443	668	1020	1529	2187	2904	3487
-5	0.00	0.00	0.00	0.00	0.00	0.34	16.6	37.5	64.9	113	186	287	435	666	1034	1590	2334	3200	3998
0	0.00	0.00	0.00	0.00	0.00	2.98	22.0	44.1	75.8	131	212	328	503	785	1240	1919	2818	3845	4744
5	0.00	0.00	0.00	0.00	0.00	0.39	17.2	38.4	66.2	115	188	292	444	683	1068	1647	2433	3338	4174
10	0.00	0.00	0.00	0.00	0.00	1.81	20.6	42.1	71.9	123	201	308	463	709	1095	1662	2400	3197	3849
15	0.00	0.00	0.00	0.00	0.00	0.06	14.7	35.2	60.4	103	170	258	383	568	851	1262	1798	2384	2885
20	0.00	0.00	0.00	0.00	0.00	0.48	16.8	37.1	62.3	106	169	252	365	523	752	1063	1429	1795	2068
25	0.00	0.00	0.00	0.00	0.00	0.00	9.51	28.3	49.6	82.5	135	203	291	402	556	764	1009	1261	1462
30	0.00	0.00	0.00	0.00	0.00	0.00	9.38	27.3	47.2	76.7	124	187	256	335	435	558	692	818	912
35	0.00	0.00	0.00	0.00	0.00	0.00	2.97	18.2	35.5	57.0	92.4	144	203	263	330	408	495	581	648
40	0.00	0.00	0.00	0.00	0.00	0.00	0.93	15.9	31.1	48.6	79.0	124	174	216	254	292	335	374	402
45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.37	19.8	33.5	52.8	85.3	129	172	204	229	256	282	302
50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.48	14.1	24.7	37.3	62.5	104	143	165	176	188	199	208
55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	5.80	13.5	22.7	36.3	62.2	97.6	127	139	149	157	164
60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.15	11.9	18.3	34.3	66.5	95.2	104	113	119	123
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.28	5.48	8.28	14.9	31.5	54.4	71.1	79.6	86.4	90.4
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	0.03	5.75	21.6	42.2	49.0	56.4	59.6
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	1.96	8.70	19.6	23.8	27.6	30.3
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	2.08
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

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

V(β) Range:-80 - 80DEG
V(β) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:83%
Test Distance:8.300m [K=1.0000]
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DIM.:	SPEC.:	SERIAL No.:20240700025
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	23.0	24.5	23.8	22.5	17.6	10.4	4.96	1.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-70	46.6	49.0	47.3	43.8	32.3	18.4	8.38	2.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-65	78.0	80.4	80.2	78.0	70.9	57.8	41.0	25.6	14.9	8.93	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-60	110	112	113	110	105	90.6	67.1	43.3	27.1	15.7	3.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-55	157	159	158	155	148	135	113	85.2	57.6	35.5	18.3	5.95	0.00	0.00	0.00	0.00	0.00	0.00
-50	205	206	203	197	187	172	148	116	78.2	48.0	26.8	8.59	0.00	0.00	0.00	0.00	0.00	0.00
-45	306	308	294	280	260	232	200	160	116	75.8	44.8	21.8	4.77	0.00	0.00	0.00	0.00	0.00
-40	411	406	380	356	325	281	237	186	137	89.8	52.9	27.1	5.77	0.00	0.00	0.00	0.00	0.00
-35	639	636	593	531	457	377	303	236	177	124	76.3	41.5	16.5	1.05	0.00	0.00	0.00	0.00
-30	873	855	785	678	559	442	342	261	196	137	83.9	45.1	19.1	0.20	0.00	0.00	0.00	0.00
-25	1392	1367	1234	1031	811	610	448	327	240	170	108	60.0	28.6	5.60	0.00	0.00	0.00	0.00
-20	1921	1841	1610	1295	979	707	500	355	254	177	110	60.5	28.0	5.20	0.00	0.00	0.00	0.00
-15	2813	2717	2347	1844	1346	938	635	432	299	206	133	75.6	37.5	11.3	0.00	0.00	0.00	0.00
-10	3720	3481	2893	2185	1535	1030	676	447	301	204	130	72.4	34.9	9.07	0.00	0.00	0.00	0.00
-5	4382	4170	3480	2620	1826	1205	777	504	336	226	146	83.6	42.1	13.8	0.00	0.00	0.00	0.00
0	5056	4640	3732	2716	1844	1180	748	481	319	213	134	74.6	36.0	9.57	0.00	0.00	0.00	0.00
5	4568	4328	3586	2684	1860	1219	781	504	335	225	144	82.7	41.7	13.6	0.00	0.00	0.00	0.00
10	4088	3761	3087	2299	1593	1052	681	447	298	201	127	71.3	34.4	8.71	0.00	0.00	0.00	0.00
15	3123	2984	2535	1959	1407	961	640	430	295	201	129	74.0	36.9	10.9	0.00	0.00	0.00	0.00
20	2167	2050	1762	1386	1023	721	500	350	248	170	106	59.2	27.4	4.86	0.00	0.00	0.00	0.00
25	1556	1509	1339	1094	840	618	446	322	233	164	104	59.1	28.3	6.10	0.00	0.00	0.00	0.00
30	949	917	826	698	563	437	334	253	189	131	81.4	45.0	19.2	0.91	0.00	0.00	0.00	0.00
35	680	669	618	539	450	364	290	227	170	119	74.3	41.3	17.5	1.77	0.00	0.00	0.00	0.00
40	413	406	380	344	302	260	219	177	130	86.9	52.1	27.0	7.92	0.00	0.00	0.00	0.00	0.00
45	312	310	297	276	249	221	189	152	111	73.7	44.3	22.6	5.98	0.00	0.00	0.00	0.00	0.00
50	212	211	206	197	186	170	145	111	75.5	47.1	26.7	10.6	0.00	0.00	0.00	0.00	0.00	0.00
55	169	169	167	162	154	140	115	84.9	57.1	35.2	18.7	6.82	0.28	0.00	0.00	0.00	0.00	0.00
60	125	126	126	124	118	102	73.8	47.4	28.9	15.8	4.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	93.7	96.5	96.1	92.4	83.6	67.8	47.7	29.6	16.7	9.09	3.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	63.2	67.5	64.6	58.9	43.5	26.0	13.4	6.07	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	32.9	35.5	33.3	30.3	23.7	14.6	7.75	3.60	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	3.55	3.95	0.22	0.00	0.00	0.00	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: