

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

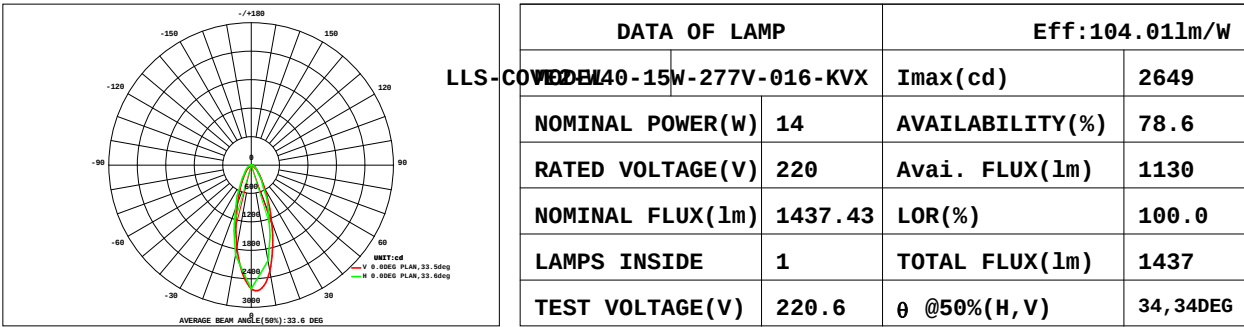
Maximum Intensity (Luminaire orientation as tested.)		1842.7 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of Imax	77.6V x 75.6H
	At 50% of Imax	33.8V x 33.5H
	At 90% of Imax	8.6V x 12.2H
Beam Flux	Total	999.7 lumens per klm.
	To 10% of Imax	788.2 lumens per klm.
	To 50% of Imax	340.0 lumens per klm.
	To 90% of Imax	36.9 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:2024-07-13

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:220.6V I:0.0674A P:13.82W PF:0.9295 Lamp Flux:1437.43x1 lm		
NAME: 8.02.003.0417 LLS-COVE2-W40-15W-277V-016-KVX	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20240700027
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	0.02	0.11	0.26	0.51	0.71	0.86	0.92	0.89	0.76	0.57	0.37	0.21	0.09	0.01	0.00	6.29	0.00
	64	0.00	0.00	0.07	0.24	0.45	0.79	1.16	1.43	1.64	1.72	1.62	1.43	1.17	0.83	0.52	0.29	0.12	0.02	13.5	0.00
	56	0.00	0.04	0.20	0.48	0.85	1.37	1.82	2.19	2.48	2.59	2.45	2.15	1.78	1.34	0.87	0.50	0.23	0.07	21.4	0.00
	48	0.00	0.10	0.37	0.75	1.31	2.01	2.63	3.23	3.71	3.89	3.66	3.13	2.51	1.89	1.25	0.72	0.35	0.12	31.6	0.00
	40	0.02	0.20	0.55	1.08	1.87	2.80	3.83	4.99	5.98	6.32	5.81	4.70	3.49	2.47	1.62	0.93	0.45	0.16	47.3	18.2
	32	0.05	0.27	0.69	1.39	2.40	3.79	5.75	8.22	10.4	11.2	9.94	7.48	5.02	3.24	2.04	1.16	0.56	0.20	73.8	56.4
	24	0.07	0.33	0.81	1.66	2.96	5.09	8.80	14.1	19.3	21.1	18.0	12.4	7.45	4.29	2.49	1.37	0.65	0.24	121	108
		0.08	0.36	0.88	1.84	3.43	6.30	12.0	21.2	31.7	35.8	29.6	18.9	10.3	5.39	2.90	1.56	0.73	0.27	183	171
		0.08	0.38	0.94	1.97	3.74	7.21	14.4	26.8	41.4	47.5	38.5	23.5	12.2	6.06	3.13	1.64	0.76	0.28	231	219
		0.10	0.40	0.98	2.05	3.89	7.63	15.4	28.6	43.8	49.0	38.6	23.0	11.8	5.87	3.06	1.59	0.73	0.27	237	225
		0.08	0.37	0.90	1.88	3.50	6.43	12.1	21.1	30.9	34.5	28.5	18.2	10.1	5.28	2.85	1.52	0.70	0.26	179	167
	-24	0.06	0.31	0.78	1.59	2.83	4.78	8.10	12.7	17.3	19.2	16.9	12.0	7.42	4.33	2.52	1.37	0.63	0.23	113	99.1
-32	0.03	0.23	0.63	1.29	2.24	3.55	5.41	7.70	9.72	10.5	9.61	7.45	5.12	3.33	2.07	1.16	0.55	0.20	70.8	53.3	
-40	0.02	0.16	0.48	0.98	1.71	2.58	3.53	4.49	5.22	5.49	5.17	4.37	3.36	2.42	1.60	0.91	0.44	0.15	43.1	12.4	
-48	0.01	0.10	0.34	0.70	1.23	1.84	2.38	2.86	3.22	3.34	3.16	2.76	2.25	1.72	1.15	0.65	0.31	0.10	28.1	0.00	
-56	0.00	0.03	0.17	0.41	0.73	1.19	1.60	1.91	2.17	2.27	2.15	1.87	1.54	1.19	0.77	0.44	0.21	0.06	18.7	0.00	
-64	0.00	0.00	0.03	0.17	0.34	0.61	0.96	1.20	1.40	1.47	1.34	1.20	1.01	0.73	0.47	0.27	0.12	0.03	11.4	0.00	
-72	0.00	0.00	0.00	0.03	0.08	0.19	0.38	0.54	0.65	0.66	0.66	0.61	0.49	0.34	0.21	0.10	0.03	0.01	4.99	0.00	
	-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL(DEG)					16	24	32	40	48	56	64	72
Φ t	0.59	3.27	8.84	18.5	33.7	58.4	101	164	232	257	217	146	87.6	51.1	29.7	16.3	7.58	2.65	1435	---	
Φ a	0.00	0.00	0.00	0.00	3.77	34.8	79.8	144	212	238	197	126	67.4	27.1	1.03	0.00	0.00	0.00	---	1130	

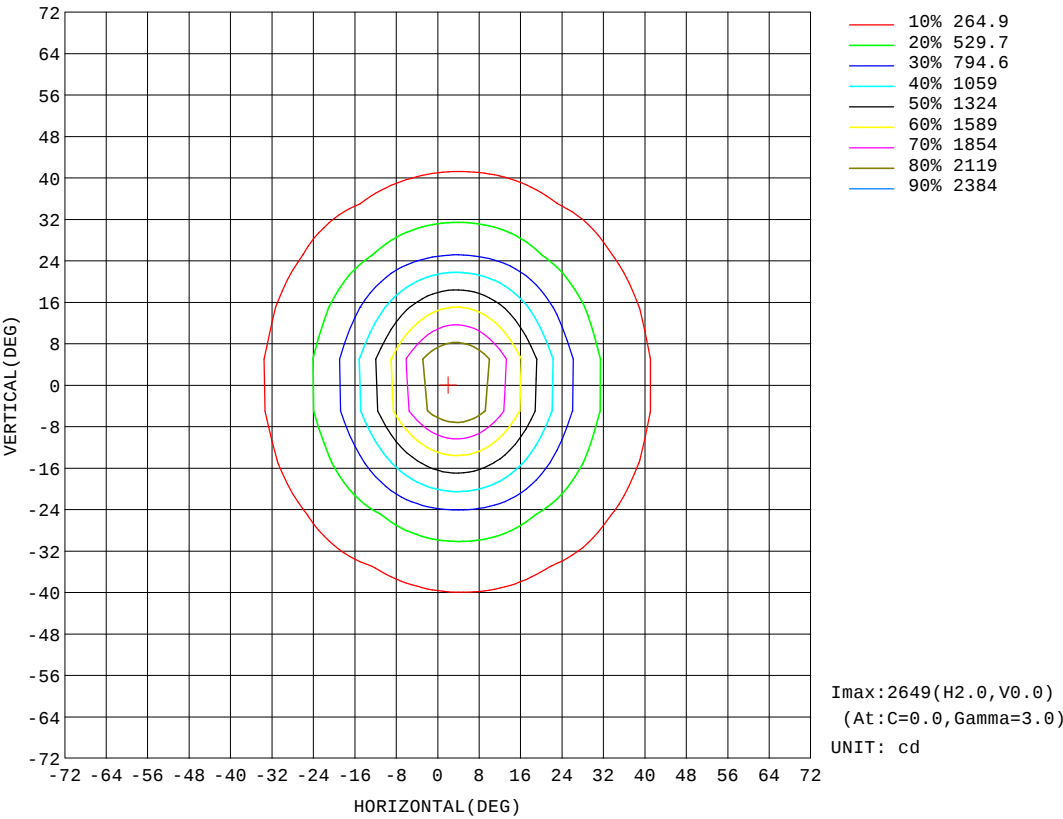
one-half-peak spread: U:16.5,D:17.6 , L:16.4,R:17.4 NEMA Beam Type: Type 5

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

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:220.6V I:0.0674A P:13.82W PF:0.9295 Lamp Flux:1437.43x1 lm		
NAME: 8.02.003.0417 LLS-COVE2-W40-15W-277V-016-KVX	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20240700027
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

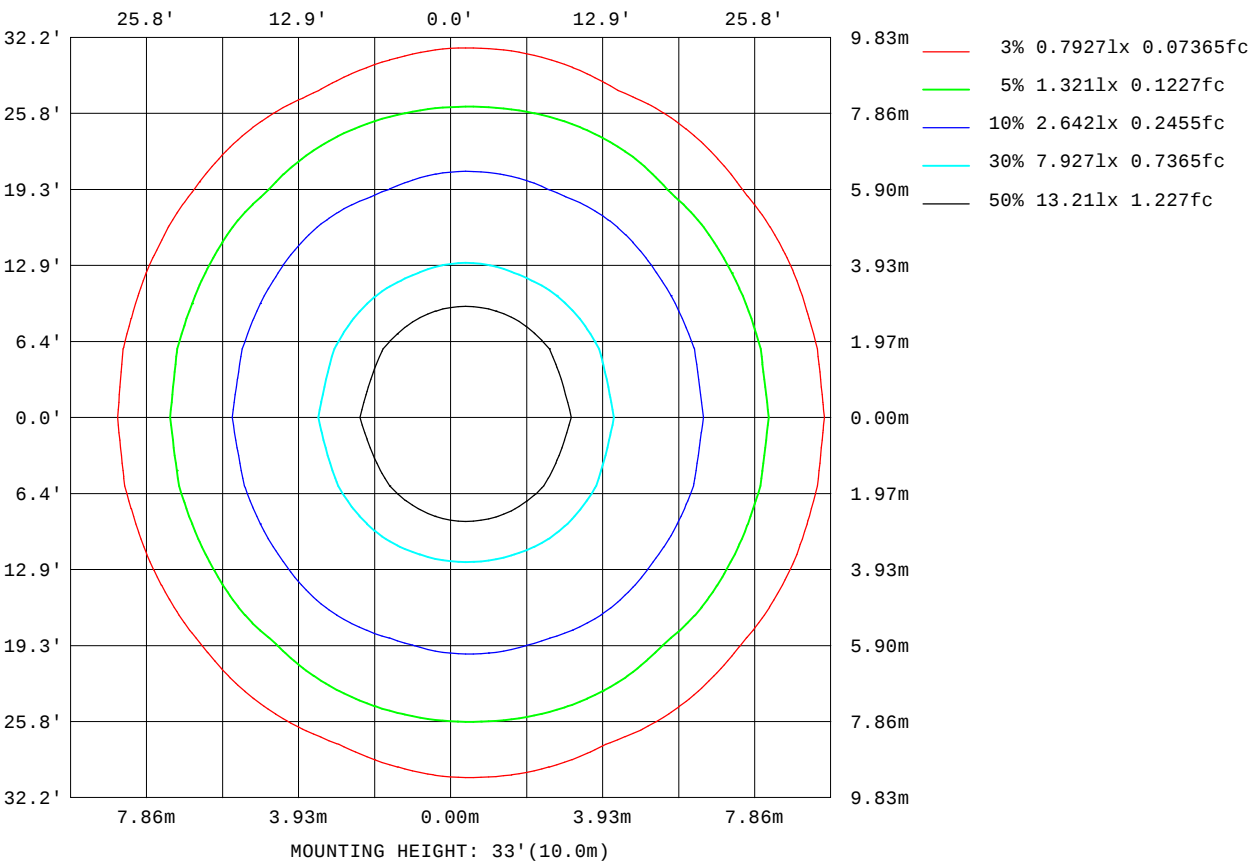


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V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

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DIM.:	SPEC.:	SERIAL No.:20240700027
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

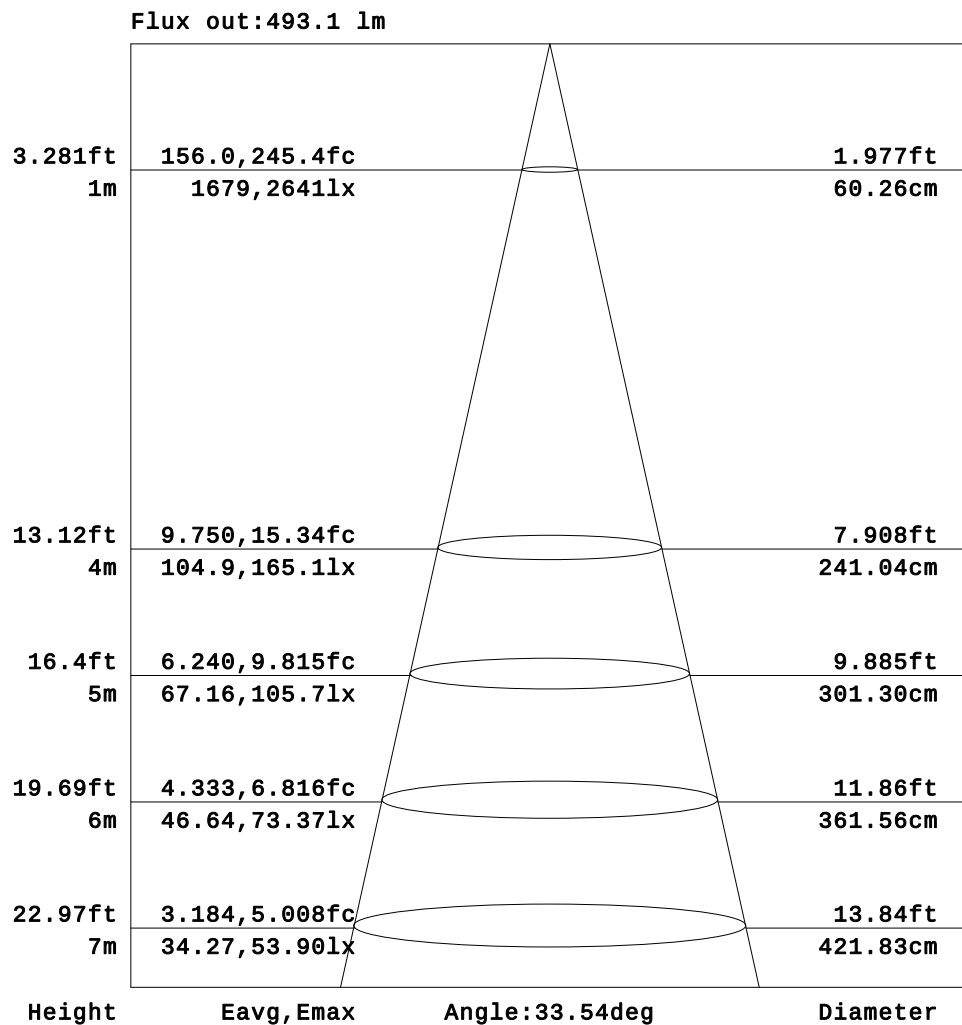


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H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-07-13

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

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NAME: 8.02.003.0417 LLS-COVE2-W40-15W-277V-016-KVX	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20240700027
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

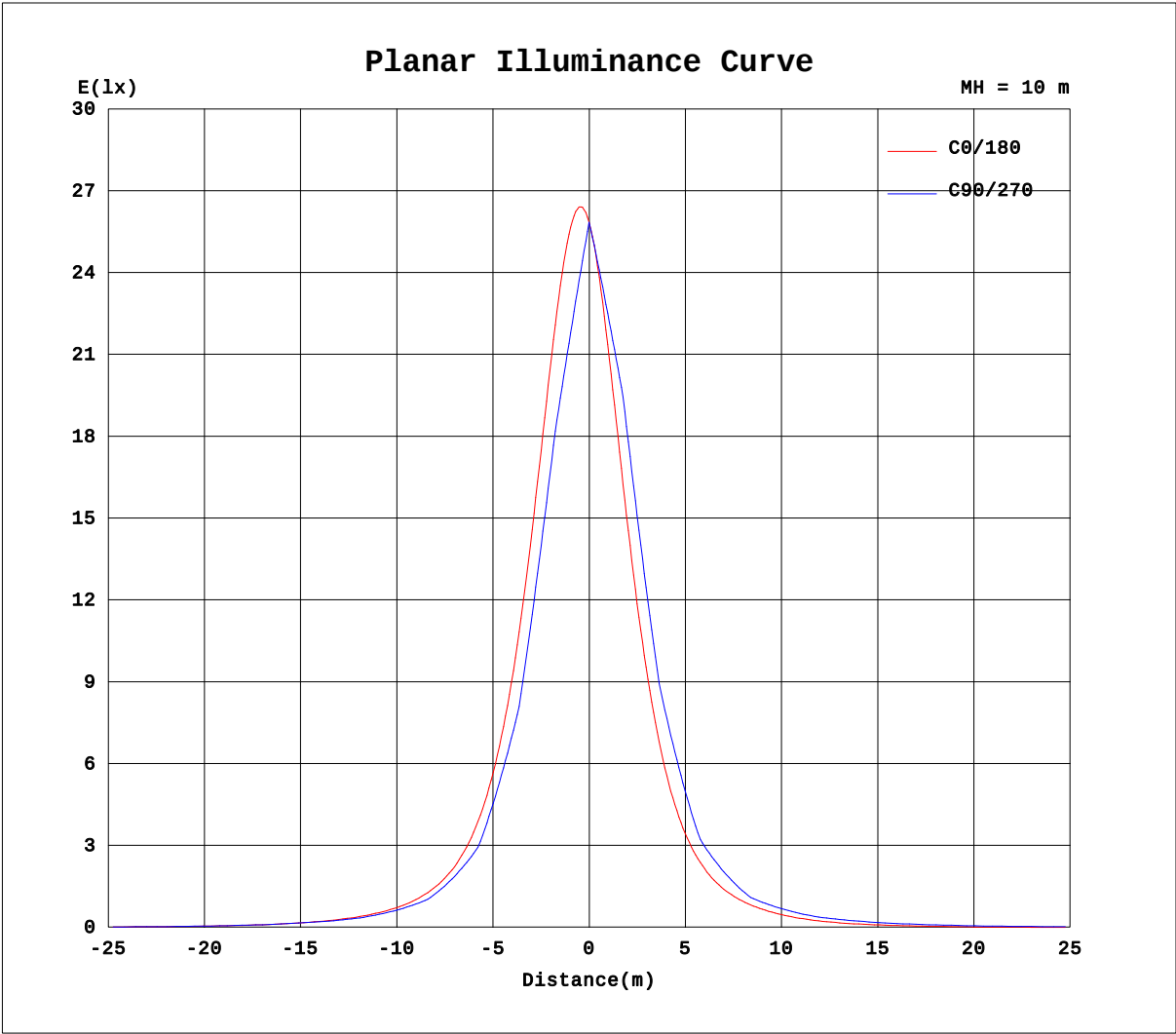


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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



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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:220.6V I:0.0674A P:13.82W PF:0.9295 Lamp Flux:1437.43x1 lm																	
NAME: 8.02.003.0417 LLS-COVE2-W40-15W-277V-016-KVXTYPE:LED												WEIGHT:					
DIM.:									SPEC.:			SERIAL No.:20240700027					
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	0.95	2.40	3.93	6.33	9.29	10.9	12.2	12.4
-70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.56	5.33	8.65	13.9	19.4	22.2	24.5	25.2
-65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.93	5.27	8.41	12.3	17.6	24.8	32.5	38.7	43.5	47.7	50.1
-60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	5.11	12.1	18.0	24.1	32.4	44.2	53.8	59.9	66.6	71.8	75.9
-55	0.00	0.00	0.00	0.00	0.00	0.00	1.19	4.94	11.6	20.4	28.7	38.3	50.3	63.7	74.9	82.8	91.1	98.1	103
-50	0.00	0.00	0.00	0.00	0.00	0.00	3.85	11.4	21.5	32.3	43.1	56.9	73.4	88.4	99.3	109	119	127	132
-45	0.00	0.00	0.00	0.00	0.00	1.16	6.74	16.3	28.6	41.6	56.3	74.1	93.3	112	127	142	157	170	180
-40	0.00	0.00	0.00	0.00	0.00	3.78	13.1	25.5	41.0	56.5	76.2	98.6	121	141	161	182	202	218	230
-35	0.00	0.00	0.00	0.00	0.00	5.12	15.6	30.1	46.7	65.7	89.6	116	145	175	209	246	284	316	340
-30	0.00	0.00	0.00	0.00	0.71	10.0	23.1	41.0	59.6	83.9	113	144	181	221	271	326	380	426	455
-25	0.00	0.00	0.00	0.00	1.02	10.5	24.7	43.4	63.8	90.8	124	161	208	268	348	445	549	645	711
-20	0.00	0.00	0.00	0.00	3.90	16.2	33.1	53.4	77.5	110	149	195	256	344	462	604	759	896	981
-15	0.00	0.00	0.00	0.00	3.11	15.0	32.0	52.8	77.4	112	154	207	279	387	545	754	1002	1250	1429
-10	0.00	0.00	0.00	0.00	6.47	19.9	38.7	60.7	89.3	129	179	243	338	485	704	997	1350	1691	1919
-5	0.00	0.00	0.00	0.00	4.76	17.7	36.0	58.0	85.5	124	173	238	335	487	721	1049	1463	1898	2224
0	0.00	0.00	0.00	0.00	7.62	21.8	41.6	64.6	95.4	138	191	265	382	568	854	1254	1754	2262	2604
5	0.00	0.00	0.00	0.00	4.89	17.9	36.3	58.5	86.1	125	174	240	339	493	733	1071	1498	1950	2289
10	0.00	0.00	0.00	0.00	6.71	20.4	39.5	61.7	90.6	130	181	247	346	499	730	1044	1427	1802	2051
15	0.00	0.00	0.00	0.00	3.69	15.9	32.9	54.2	79.3	114	157	212	287	402	569	795	1068	1344	1544
20	0.00	0.00	0.00	0.00	4.95	17.3	34.6	55.2	80.0	114	153	202	267	362	489	649	825	984	1083
25	0.00	0.00	0.00	0.00	1.67	12.0	26.6	45.5	66.6	94.7	129	168	217	282	369	476	595	705	782
30	0.00	0.00	0.00	0.00	1.63	11.7	25.7	43.6	63.1	88.5	119	151	190	234	288	350	411	465	499
35	0.00	0.00	0.00	0.00	0.20	6.68	18.3	33.5	50.7	70.8	95.9	124	155	186	223	264	306	343	370
40	0.00	0.00	0.00	0.00	0.00	5.69	16.3	30.3	45.6	62.5	84.1	108	132	153	174	196	217	235	246
45	0.00	0.00	0.00	0.00	0.00	1.97	9.16	20.2	33.3	47.1	63.3	82.7	104	123	139	155	171	184	194
50	0.00	0.00	0.00	0.00	0.00	0.01	5.93	15.3	26.4	37.7	49.8	66.0	84.5	100	110	120	131	138	144
55	0.00	0.00	0.00	0.00	0.00	0.00	2.18	7.19	15.8	25.3	34.5	45.7	59.8	75.1	86.0	93.9	103	110	115
60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.26	9.17	16.6	23.1	30.7	41.4	55.4	64.8	71.1	78.6	83.9	88.0
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.56	3.82	7.61	11.4	16.9	23.5	33.1	42.1	48.4	54.1	59.0	62.6
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.96	5.47	9.07	14.7	22.4	28.0	31.9	35.6	38.1
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.56	2.43	4.11	6.71	10.4	13.6	15.5	17.5	18.8
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.:20240700027
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	11.6	13.3	13.6	13.2	11.9	9.94	8.34	6.49	4.88	3.29	1.58	0.07	0.00	0.00	0.00	0.00	0.00	0.00
-70	23.0	27.1	27.1	26.0	22.9	19.2	16.0	12.3	9.14	5.91	2.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-65	49.6	49.6	47.6	45.8	42.9	38.3	32.6	26.5	21.0	16.1	11.0	6.28	3.33	0.29	0.00	0.00	0.00	0.00
-60	75.6	71.7	67.7	64.5	61.4	55.2	46.8	38.3	30.9	24.3	17.5	11.2	5.58	0.00	0.00	0.00	0.00	0.00
-55	105	102	97.0	91.8	84.1	77.7	68.4	57.9	46.4	36.3	27.4	18.9	11.3	4.31	0.00	0.00	0.00	0.00
-50	134	131	125	116	104	97.1	85.8	73.0	57.7	44.7	33.7	23.3	14.2	6.25	0.00	0.00	0.00	0.00
-45	183	180	171	158	142	128	113	96.6	78.4	60.8	45.4	32.3	20.4	10.5	1.19	0.00	0.00	0.00
-40	232	226	213	195	174	153	133	113	92.0	70.6	51.7	36.2	22.2	10.9	0.58	0.00	0.00	0.00
-35	346	337	312	277	239	202	170	141	115	88.7	65.4	46.3	30.1	16.1	4.74	0.00	0.00	0.00
-30	459	440	398	345	288	237	195	158	127	96.9	70.9	49.6	31.9	16.5	5.05	0.00	0.00	0.00
-25	727	690	609	506	403	316	247	194	152	116	85.1	59.1	39.3	21.9	8.49	0.04	0.00	0.00
-20	987	914	781	624	481	363	275	211	162	122	87.9	60.1	39.3	21.2	7.52	0.00	0.00	0.00
-15	1469	1356	1135	878	647	467	336	248	186	140	102	70.3	46.9	27.0	11.2	0.44	0.00	0.00
-10	1929	1722	1386	1031	732	510	357	256	190	141	102	70.1	46.2	25.6	9.85	0.00	0.00	0.00
-5	2289	2066	1662	1227	858	587	402	284	207	153	111	77.0	51.3	30.0	12.9	0.87	0.00	0.00
0	2602	2268	1762	1260	860	577	391	276	201	146	106	72.3	47.7	26.7	10.5	0.01	0.00	0.00
5	2354	2119	1697	1247	867	591	404	284	207	153	112	77.3	51.6	30.3	13.2	0.95	0.00	0.00
10	2056	1821	1450	1067	749	516	360	256	189	141	103	70.7	46.8	26.3	10.4	0.00	0.00	0.00
15	1585	1452	1201	917	666	475	339	248	186	140	103	72.0	48.4	28.2	12.0	0.68	0.00	0.00
20	1086	995	839	658	499	371	277	211	162	124	90.2	62.7	41.4	22.7	8.48	0.00	0.00	0.00
25	798	751	655	534	419	323	249	195	154	118	87.9	61.9	41.6	23.7	9.62	0.20	0.00	0.00
30	502	475	425	362	298	242	197	161	130	101	74.4	52.3	34.2	18.3	6.11	0.00	0.00	0.00
35	376	363	332	291	248	207	174	145	118	92.3	68.9	49.2	32.5	17.7	6.28	0.00	0.00	0.00
40	248	240	223	203	181	159	138	118	95.8	74.1	55.1	39.1	24.4	12.1	2.49	0.00	0.00	0.00
45	197	192	182	168	152	136	120	102	83.3	64.9	48.8	34.7	21.9	10.9	2.36	0.00	0.00	0.00
50	145	142	135	127	117	107	94.6	79.3	63.4	49.0	36.6	25.1	14.5	5.96	0.00	0.00	0.00	0.00
55	117	115	110	103	95.9	87.7	76.4	63.8	51.1	39.6	29.4	19.9	11.3	3.97	0.22	0.00	0.00	0.00
60	88.8	86.3	83.0	77.2	72.0	64.1	53.3	43.1	34.2	26.0	18.3	11.1	4.81	0.00	0.00	0.00	0.00	0.00
65	64.0	62.9	60.6	56.5	52.0	45.6	37.9	30.4	23.7	17.8	11.9	6.40	3.00	0.22	0.00	0.00	0.00	0.00
70	39.1	38.9	36.9	34.1	29.7	24.0	19.3	14.8	11.0	7.17	3.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	19.6	19.5	18.7	17.3	15.4	12.6	10.1	7.84	5.85	3.99	2.02	0.16	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: