

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity (Luminaire orientation as tested.)	1838.2 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
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Beam Spread	At 10% of Imax	79.4V x 72.6H
	At 50% of Imax	34.3V x 32.7H
	At 90% of Imax	9.4V x 12.0H

Beam Flux	Total	999.6 lumens per klm.
	To 10% of Imax	776.7 lumens per klm.
	To 50% of Imax	335.5 lumens per klm.
	To 90% of Imax	38.4 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

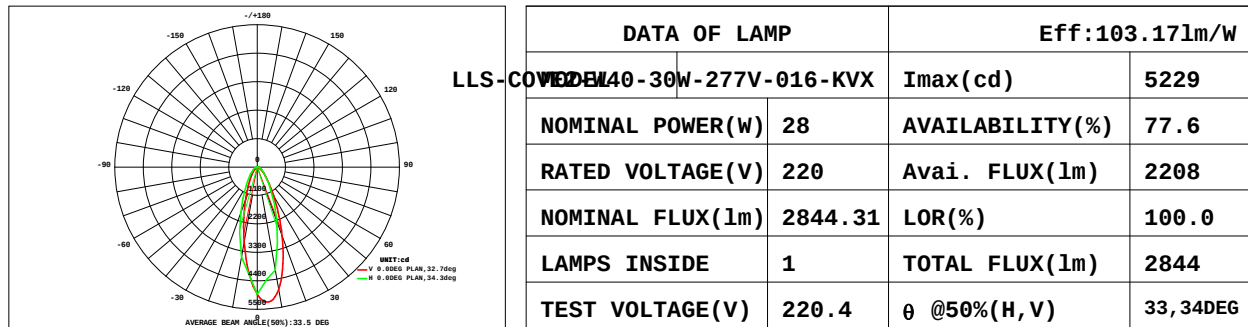
Luminaire Efficiency(Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-07-15

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:220.4V I:0.1299A P:27.57W PF:0.9627 Lamp Flux:2844.31x1 lm		
NAME: 8.02.003.0419 LLS-COVE2-W40-30W-277V-016-KVX	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20240700032
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	0.01	0.06	0.31	0.60	1.16	1.78	2.12	2.30	2.28	2.05	1.52	1.02	0.66	0.37	0.14	0.02	16.4	0.00
	64	0.00	0.00	0.12	0.48	0.90	1.59	2.62	3.22	3.66	3.86	3.74	3.42	2.92	2.04	1.26	0.73	0.35	0.10	31.0	0.00
	56	0.00	0.05	0.33	0.87	1.60	2.79	4.01	4.80	5.44	5.74	5.53	4.97	4.16	3.12	1.99	1.14	0.57	0.20	47.3	0.00
	48	0.00	0.13	0.58	1.30	2.40	4.04	5.52	6.85	7.99	8.53	8.18	7.11	5.67	4.22	2.77	1.56	0.79	0.29	67.9	1.44
	40	0.02	0.27	0.87	1.79	3.36	5.34	7.53	10.2	12.5	13.6	12.8	10.6	7.79	5.42	3.51	1.95	0.96	0.36	98.9	51.4
	32	0.04	0.37	1.08	2.23	4.21	6.84	10.7	16.0	21.1	23.7	21.8	16.8	11.3	7.02	4.29	2.38	1.15	0.45	151	119
	24	0.07	0.44	1.22	2.56	4.95	8.67	15.4	26.2	38.1	44.2	39.7	28.0	16.7	9.19	5.18	2.80	1.31	0.52	245	219
		0.08	0.48	1.30	2.77	5.46	10.1	19.7	37.5	60.0	73.6	64.7	42.6	23.2	11.6	6.02	3.13	1.46	0.58	364	341
		0.09	0.51	1.35	2.91	5.80	11.1	22.8	45.3	75.7	95.2	83.0	52.7	27.3	13.0	6.44	3.28	1.52	0.60	449	427
		0.10	0.55	1.40	2.98	5.94	11.5	23.7	46.8	77.9	96.0	81.8	50.9	26.0	12.3	6.18	3.17	1.47	0.57	449	427
		0.08	0.50	1.32	2.77	5.36	9.81	18.8	34.7	54.3	65.8	58.4	39.0	21.6	11.0	5.82	3.03	1.43	0.57	334	310
	-24	0.08	0.44	1.21	2.42	4.52	7.70	13.1	21.7	31.4	36.9	33.8	24.7	15.4	8.85	5.18	2.87	1.37	0.56	212	184
	-32	0.04	0.34	0.99	2.01	3.71	6.03	9.18	13.6	18.1	20.3	19.1	15.4	10.8	6.96	4.38	2.49	1.23	0.48	135	100
	-40	0.02	0.22	0.76	1.60	2.92	4.67	6.50	8.50	10.2	10.8	10.7	9.46	7.36	5.36	3.56	2.03	1.02	0.36	86.0	27.5
	-48	0.00	0.11	0.53	1.18	2.16	3.59	4.90	5.97	6.78	7.13	7.07	6.29	5.26	4.13	2.77	1.55	0.76	0.22	60.4	0.00
-56	0.00	0.01	0.23	0.73	1.38	2.48	3.63	4.13	4.49	4.89	4.86	4.51	4.04	3.18	2.04	1.17	0.53	0.16	42.5	0.00	
-64	0.00	0.00	0.03	0.32	0.73	1.23	2.24	2.85	3.19	3.52	3.49	3.25	2.84	2.03	1.32	0.78	0.33	0.09	28.2	0.00	
-72	0.00	0.00	0.00	0.06	0.20	0.46	0.89	1.47	1.78	2.03	2.05	1.93	1.54	1.03	0.67	0.40	0.14	0.03	14.7	0.00	
	-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL (DEG)				16	24	32	40	48	56	64	72	
Φ t	0.62	4.41	13.3	29.0	55.9	98.6	172	291	435	518	463	324	195	111	64.1	34.8	16.5	6.18	2833	---	
Φ a	0.00	0.00	0.00	0.00	0.00	39.7	126	247	394	478	424	281	153	61.2	4.69	0.00	0.00	0.00	---	2208	

one-half-peak spread: U:16.2,D:18.3 , L:16.8,R:16.2

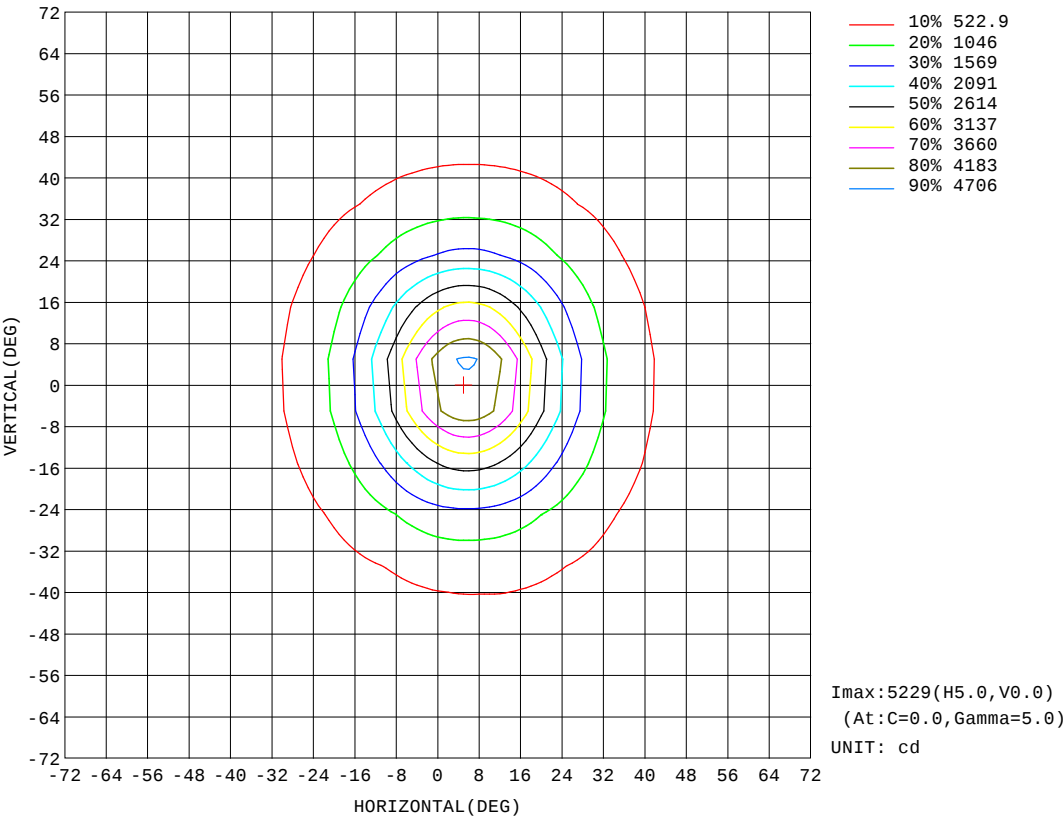
NEMA Beam Type: Type 5

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-07-15

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:220.4V I:0.1299A P:27.57W PF:0.9627 Lamp Flux:2844.31x1 lm		
NAME: 8.02.003.0419 LLS-COVE2-W40-30W-277V-016-KV	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20240700032
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

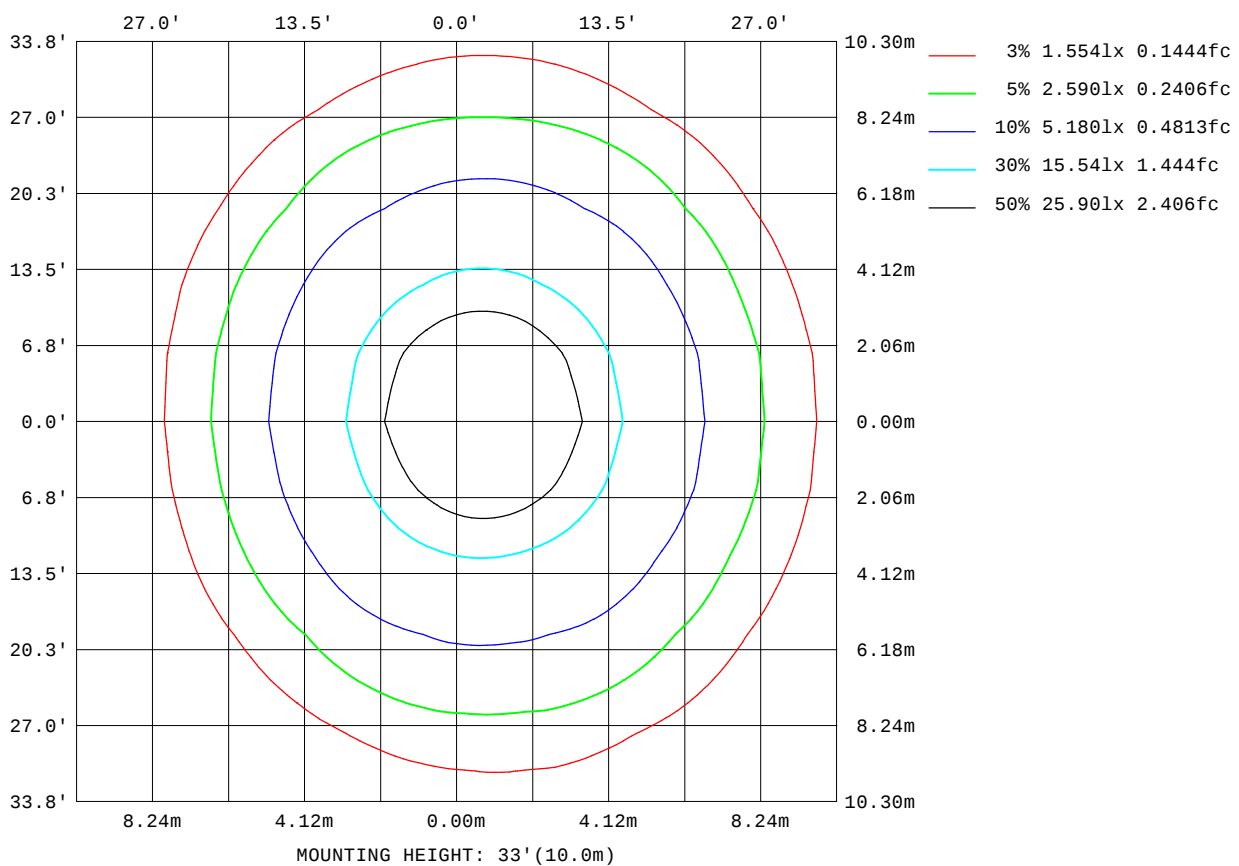


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V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

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NAME: 8.02.003.0419 LLS-COVE2-W40-30W-277V-016-KVXTYPE:LED	WEIGHT:	
DIM.:	SPEC.:	SERIAL No.:20240700032
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

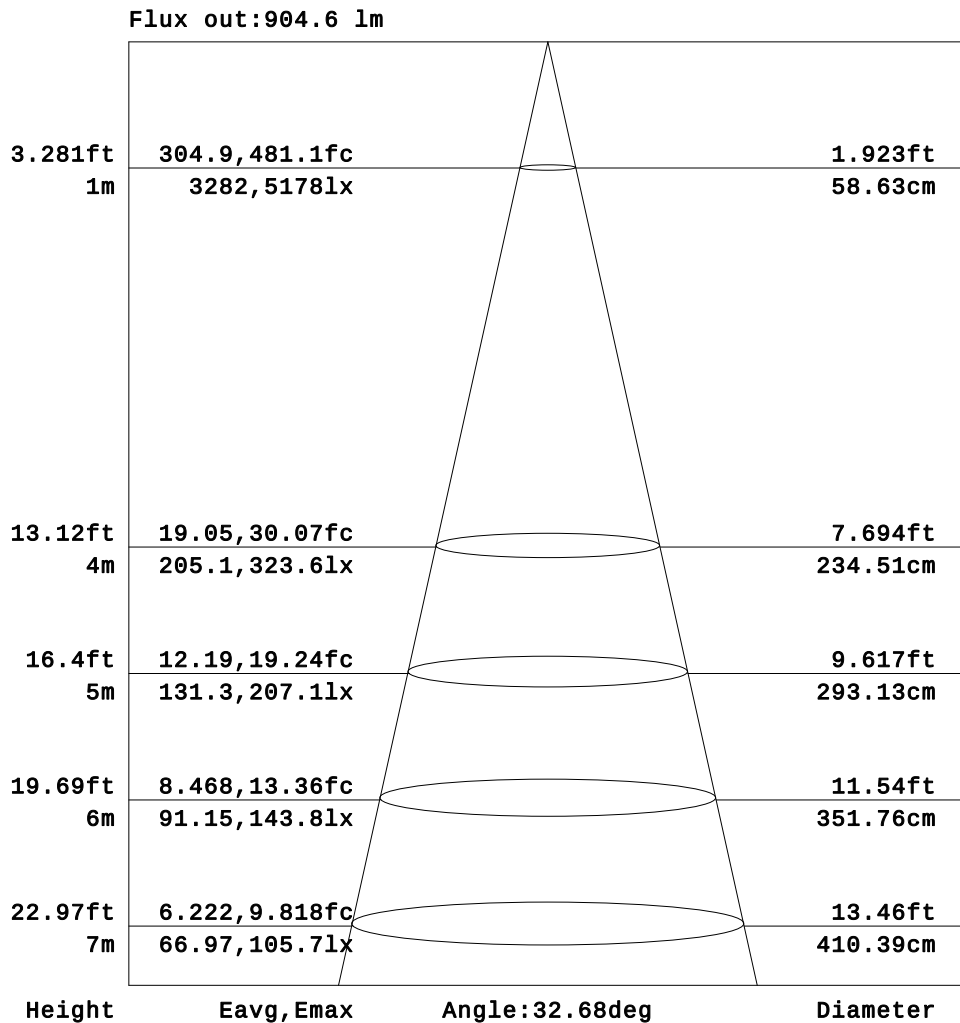


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H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-07-15

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: 8.02.003.0419 LLS-COVE2-W40-30W-277V-016	KVXTYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20240700032
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

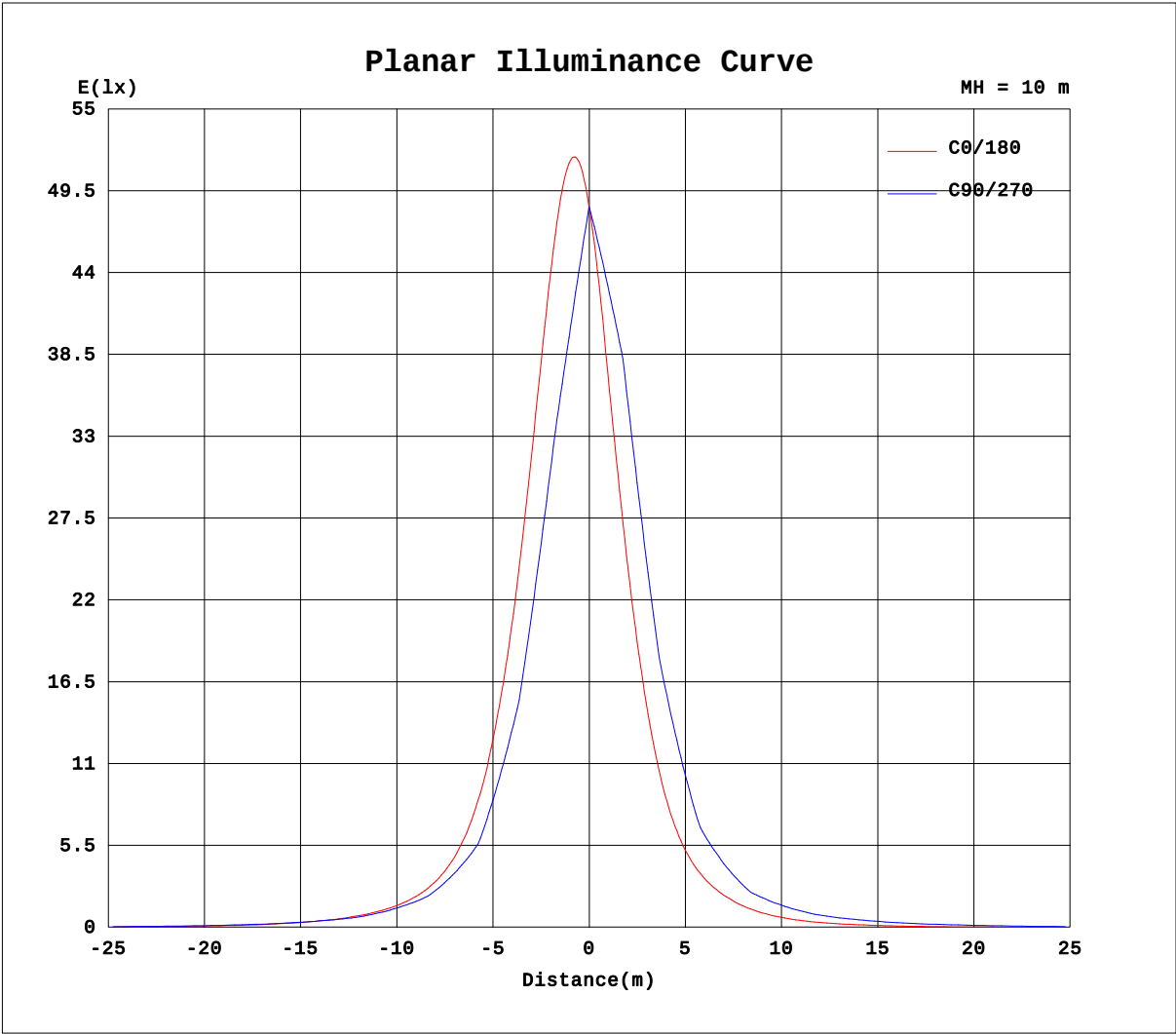


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-07-15

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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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:220.4V I:0.1299A P:27.57W PF:0.9627 Lamp Flux:2844.31x1 lm		
NAME: 8.02.003.0419 LLS-COVE2-W40-30W-277V-016	KVXTYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20240700032
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	1.98	7.13
-75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.95	7.53	10.8	14.8	23.8	32.3	35.7	44.0
-70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	7.74	16.7	22.8	32.4	52.3	65.1	73.3	82.7	
-65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.64	8.91	17.4	27.2	38.9	52.7	75.0	95.6	109	117	125
-60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.57	21.2	38.2	50.8	66.1	89.9	127	145	156	165	170
-55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.67	16.4	34.8	54.8	73.7	98.8	132	168	188	200	212	219
-50	0.00	0.00	0.00	0.00	0.00	0.00	0.12	12.8	33.9	56.1	79.8	105	144	190	221	234	250	262	272
-45	0.00	0.00	0.00	0.00	0.00	0.00	5.93	22.0	45.0	71.0	95.7	130	174	222	261	291	321	348	368
-40	0.00	0.00	0.00	0.00	0.00	0.68	15.8	39.3	66.0	95.3	125	172	224	273	312	359	403	443	469
-35	0.00	0.00	0.00	0.00	0.00	5.27	20.8	45.7	74.2	107	144	197	255	315	376	451	530	605	662
-30	0.00	0.00	0.00	0.00	0.10	14.2	34.5	62.8	94.5	132	183	244	311	381	467	575	686	794	866
-25	0.00	0.00	0.00	0.00	1.51	14.4	35.4	65.8	99.7	139	194	263	345	441	574	753	958	1170	1339
-20	0.00	0.00	0.00	0.00	5.51	22.3	46.4	83.0	119	165	232	312	414	547	745	1010	1317	1624	1857
-15	0.00	0.00	0.00	0.00	2.08	18.8	43.3	78.5	116	164	234	322	438	599	852	1219	1682	2192	2629
-10	0.00	0.00	0.00	0.00	4.08	23.8	52.0	89.7	128	188	269	373	516	736	1089	1600	2250	2954	3532
-5	0.00	0.00	0.00	0.00	2.18	20.4	47.3	84.3	123	178	259	366	511	737	1109	1675	2426	3302	4103
0	0.00	0.00	0.00	0.00	6.05	26.3	55.9	94.3	135	199	287	409	580	860	1325	2022	2942	4013	4911
5	0.00	0.00	0.00	0.00	2.81	20.7	47.9	85.0	124	181	265	375	526	763	1155	1756	2561	3498	4352
10	0.00	0.00	0.00	0.00	5.10	24.5	53.2	91.2	131	195	281	393	549	794	1191	1787	2544	3370	4046
15	0.00	0.00	0.00	0.00	1.66	18.1	43.8	79.0	117	170	247	344	471	655	948	1378	1929	2533	3050
20	0.00	0.00	0.00	0.00	3.09	20.5	47.0	82.7	120	173	249	342	455	615	855	1178	1556	1927	2206
25	0.00	0.00	0.00	0.00	0.47	12.9	35.5	66.7	103	146	210	289	380	494	658	878	1132	1390	1594
30	0.00	0.00	0.00	0.00	0.20	12.9	35.2	65.2	101	140	201	271	346	429	540	676	817	946	1041
35	0.00	0.00	0.00	0.00	0.00	6.10	23.8	49.6	81.3	115	162	222	287	353	430	521	617	707	777
40	0.00	0.00	0.00	0.00	0.00	4.95	21.5	45.8	75.1	106	145	199	255	304	354	405	455	499	532
45	0.00	0.00	0.00	0.00	0.00	1.35	10.9	29.7	54.3	81.2	111	152	202	251	291	327	364	396	421
50	0.00	0.00	0.00	0.00	0.00	0.00	6.56	22.7	44.4	67.5	92.2	124	170	215	243	264	286	303	318
55	0.00	0.00	0.00	0.00	0.00	0.00	2.13	10.2	26.1	45.8	65.7	87.0	118	157	191	209	228	243	256
60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.25	15.4	32.1	46.8	61.2	81.3	115	147	161	177	187	197
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75	6.22	14.4	24.9	36.4	49.5	68.8	94.1	114	127	137	146
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	7.53	16.8	24.0	32.3	50.2	72.8	81.6	90.9	98.0
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.83	7.52	11.4	15.1	22.9	35.4	43.0	51.5	57.1
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	1.94	8.05	14.3	18.0
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

$H(\beta)$ Range:-90 - 90DEG
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 Test Speed: HIGH
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DIM.:	SPEC.:	SERIAL No.:20240700032
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	9.86	12.6	10.3	6.68	5.91	5.37	4.39	2.45	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-75	48.0	50.5	50.7	48.0	43.1	34.7	28.6	22.7	18.5	14.8	9.38	4.52	1.42	0.00	0.00	0.00	0.00	0.00
-70	87.3	89.3	89.1	88.8	76.6	61.3	50.2	41.0	35.0	27.8	16.5	7.52	1.79	0.00	0.00	0.00	0.00	0.00
-65	136	137	135	133	127	112	94.0	76.3	63.1	51.3	36.1	21.0	10.9	3.83	0.22	0.00	0.00	0.00
-60	185	184	181	176	173	157	130	106	86.5	69.4	49.1	29.7	16.6	5.91	0.00	0.00	0.00	0.00
-55	236	238	232	226	219	207	183	153	123	96.6	73.0	48.0	27.8	13.8	3.60	0.00	0.00	0.00
-50	289	290	282	274	262	249	224	188	148	114	87.7	57.3	33.1	17.0	4.79	0.00	0.00	0.00
-45	384	385	378	356	331	303	272	233	188	146	110	79.2	48.1	24.6	9.56	0.29	0.00	0.00
-40	481	484	466	430	389	346	307	261	211	161	120	89.2	52.5	25.4	9.49	0.00	0.00	0.00
-35	683	680	652	594	518	440	372	313	253	196	146	108	72.2	38.5	15.1	1.28	0.00	0.00
-30	884	874	818	728	615	505	413	340	271	211	155	113	77.9	40.5	13.7	0.44	0.00	0.00
-25	1406	1366	1237	1046	846	661	510	405	318	246	182	131	92.3	55.1	24.5	3.70	0.00	0.00
-20	1927	1819	1587	1282	1000	749	558	433	335	255	187	132	92.1	55.7	25.0	1.86	0.00	0.00
-15	2838	2727	2356	1857	1379	986	696	507	381	285	209	147	103	64.5	32.2	7.50	0.00	0.00
-10	3756	3519	2936	2229	1586	1089	743	525	385	282	203	142	97.5	59.1	27.6	5.87	0.00	0.00
-5	4487	4270	3569	2695	1894	1274	851	584	420	306	222	154	106	67.1	33.4	9.72	0.00	0.00
0	5229	4800	3860	2817	1929	1262	829	566	405	295	211	145	99.0	60.2	28.2	6.01	0.00	0.00
5	4755	4507	3728	2798	1954	1307	867	592	424	308	223	154	106	66.9	33.4	9.75	0.00	0.00
10	4288	3960	3232	2416	1693	1147	771	538	391	284	203	141	96.9	58.9	27.7	5.89	0.00	0.00
15	3292	3146	2669	2076	1509	1059	733	522	386	285	207	144	99.9	62.5	30.9	8.50	0.00	0.00
20	2299	2175	1878	1494	1125	819	593	443	336	252	182	127	87.5	52.0	23.9	4.15	0.00	0.00
25	1685	1634	1458	1207	948	719	540	415	321	244	179	126	88.4	54.0	26.2	6.19	0.00	0.00
30	1073	1039	946	814	674	537	429	346	272	208	152	109	75.1	43.5	19.6	2.42	0.00	0.00
35	807	793	739	654	560	463	382	315	253	194	143	104	72.2	42.8	19.9	3.35	0.00	0.00
40	541	532	501	458	407	353	306	259	209	157	117	86.0	56.8	31.7	12.7	0.33	0.00	0.00
45	432	428	409	381	346	307	270	229	184	141	106	78.4	52.4	29.7	12.1	0.82	0.00	0.00
50	322	319	307	292	270	246	217	180	142	109	84.1	60.2	38.1	20.0	5.71	0.00	0.00	0.00
55	261	259	252	242	227	208	181	149	118	92.2	70.5	50.7	32.1	16.2	4.48	0.00	0.00	0.00
60	200	197	194	186	178	160	133	105	83.6	65.9	49.1	33.5	19.4	7.28	0.09	0.00	0.00	0.00
65	150	151	148	142	133	117	97.6	78.2	62.8	49.8	36.7	24.1	13.2	4.68	0.43	0.00	0.00	0.00
70	102	104	100	95.8	82.8	66.4	54.6	44.3	36.9	28.5	19.3	10.1	3.30	0.00	0.00	0.00	0.00	0.00
75	60.4	62.4	61.2	55.8	48.6	39.2	32.1	25.6	20.3	15.3	10.6	5.88	2.22	0.00	0.00	0.00	0.00	0.00
80	19.9	22.1	19.9	13.6	10.5	8.76	6.96	4.61	2.00	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:2024-07-15

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: