

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity (Luminaire orientation as tested.)	405.7 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
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Beam Spread	At 10% of Imax	147.5V x 159.4H
	At 50% of Imax	98.9V x 103.0H
	At 90% of Imax	41.9V x 43.0H

Beam Flux	Total	998.5 lumens per klm.
	To 10% of Imax	979.7 lumens per klm.
	To 50% of Imax	685.5 lumens per klm.
	To 90% of Imax	162.6 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.8 %

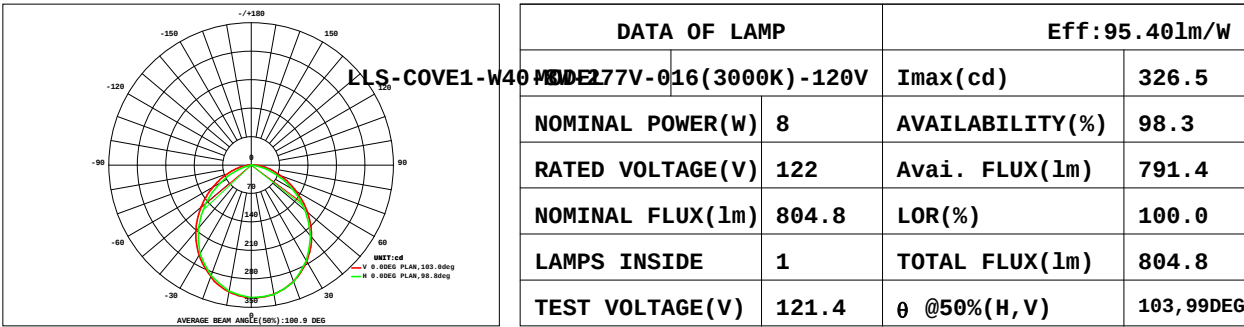
Luminaire Efficiency(Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-06-20

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:121.4V I:0.0707A P:8.436W PF:0.9837 Lamp Flux:804.8x1 lm		
NAME: LLS-COVE1-W40-8W-277V-016(3000K)-120V	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2024060064
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:



VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.03	0.15	0.39	0.57	0.73	0.87	0.98	1.08	1.16	1.20	1.17	1.06	0.88	0.64	0.40	0.19	0.02	11.5	7.73	
80	0.00	0.11	0.37	0.71	1.14	1.60	2.03	2.39	2.64	2.72	2.61	2.33	1.92	1.45	0.96	0.54	0.23	0.04	23.8	23.1	
70	0.00	0.18	0.54	1.09	1.79	2.57	3.31	3.92	4.31	4.40	4.17	3.65	2.93	2.13	1.36	0.73	0.29	0.05	37.4	37.1	
60	0.01	0.24	0.71	1.46	2.45	3.55	4.59	5.45	5.98	6.08	5.73	4.97	3.95	2.82	1.76	0.91	0.35	0.06	51.1	50.9	
50	0.02	0.28	0.86	1.81	3.06	4.44	5.76	6.83	7.48	7.58	7.11	6.15	4.86	3.45	2.13	1.08	0.40	0.07	63.4	63.2	
40	0.03	0.32	0.99	2.10	3.55	5.16	6.69	7.90	8.66	8.76	8.21	7.11	5.62	3.97	2.42	1.21	0.44	0.07	73.2	73.1	
30	0.03	0.34	1.08	2.30	3.91	5.68	7.34	8.65	9.48	9.57	8.96	7.74	6.11	4.31	2.62	1.29	0.46	0.07	79.9	79.8	
20	0.03	0.35	1.11	2.38	4.07	5.90	7.62	9.00	9.78	9.87	9.24	7.97	6.28	4.44	2.70	1.33	0.47	0.07	82.6	82.5	
10	0.02	0.35	1.11	2.36	4.01	5.81	7.50	8.89	9.66	9.75	9.12	7.87	6.21	4.38	2.66	1.31	0.46	0.07	81.5	81.4	
0	0.03	0.32	1.06	2.24	3.81	5.52	7.13	8.39	9.11	9.18	8.57	7.35	5.78	4.07	2.47	1.22	0.43	0.06	76.7	76.6	
-10	0.02	0.29	0.95	2.00	3.38	4.90	6.34	7.48	8.14	8.21	7.65	6.59	5.17	3.63	2.21	1.10	0.39	0.05	68.5	68.3	
-20	0.01	0.25	0.79	1.68	2.83	4.10	5.31	6.28	6.85	6.92	6.46	5.55	4.35	3.06	1.87	0.94	0.34	0.03	57.6	57.5	
-30	0.01	0.20	0.62	1.32	2.19	3.15	4.07	4.80	5.25	5.30	4.96	4.26	3.35	2.37	1.47	0.76	0.28	0.02	44.4	44.1	
-40	0.00	0.13	0.44	0.92	1.51	2.14	2.73	3.21	3.51	3.56	3.34	2.91	2.32	1.69	1.08	0.58	0.21	0.01	30.3	29.8	
-50	0.00	0.08	0.28	0.54	0.86	1.18	1.47	1.70	1.85	1.89	1.82	1.63	1.36	1.04	0.70	0.40	0.15	0.00	17.0	15.6	
-60	0.00	0.02	0.12	0.21	0.31	0.37	0.42	0.46	0.49	0.52	0.53	0.54	0.53	0.46	0.36	0.23	0.09	0.00	5.65	0.56	
-70	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.05	0.06	0.06	0.02	0.00	0.25	0.00	
-80	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL(DEG)					20	30	40	50	60	70	80	90
-90	Φ t	0.21	3.47	11.2	23.5	39.4	56.8	73.2	86.3	94.3	95.5	89.7	77.8	61.8	44.2	27.5	14.1	5.18	0.68	805	---
	Φ a	0.00	2.14	10.1	22.6	38.6	56.0	72.5	85.6	93.6	94.7	89.0	77.2	61.2	43.6	26.9	13.3	4.27	0.12	---	791

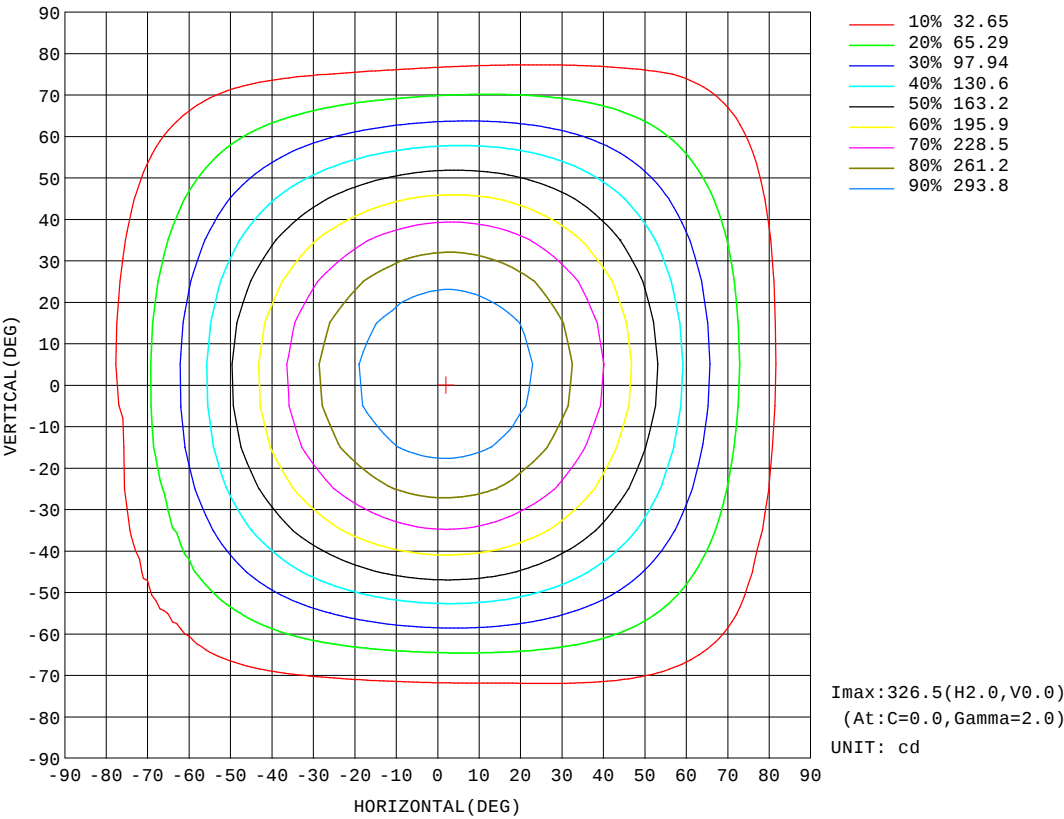
one-half-peak spread: U:47.3,D:52.2 , L:52.0,R:51.6 NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-06-20

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:121.4V I:0.0707A P:8.436W PF:0.9837 Lamp Flux:804.8x1 lm		
NAME: LLS-COVE1-W40-8W-277V-016(3000K)-120V	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2024060064
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

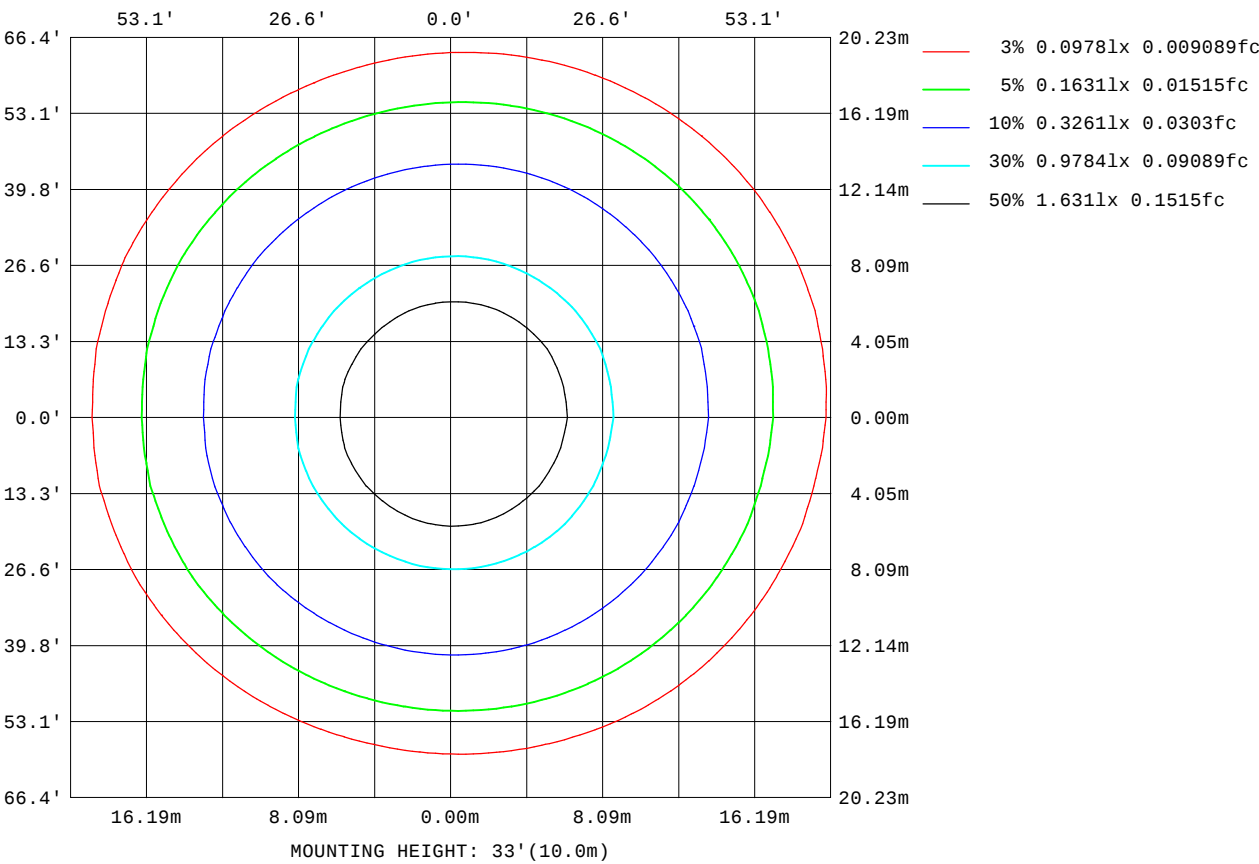


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ISOLUX DIAGRAM

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DIM.:	SPEC.:	SERIAL No.:2024060064
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

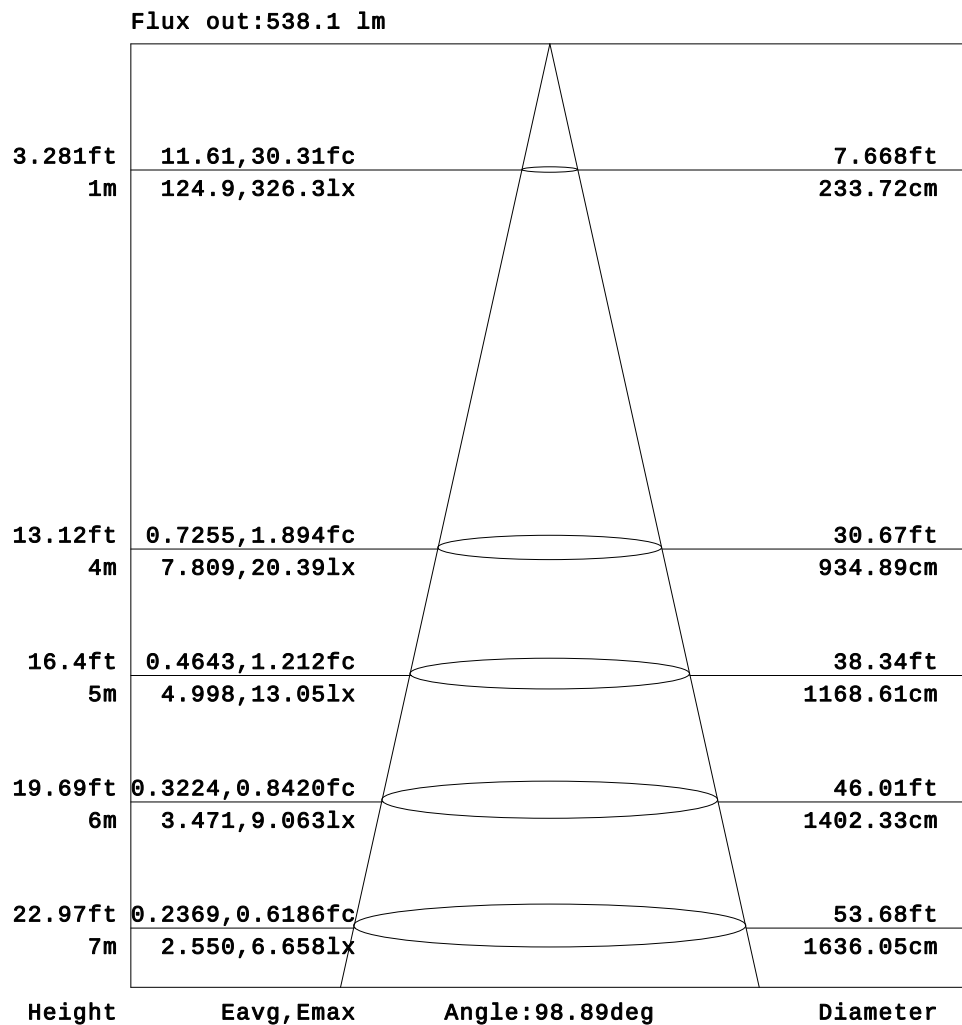


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H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-06-20

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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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DIM.:	SPEC.:	SERIAL No.:2024060064
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

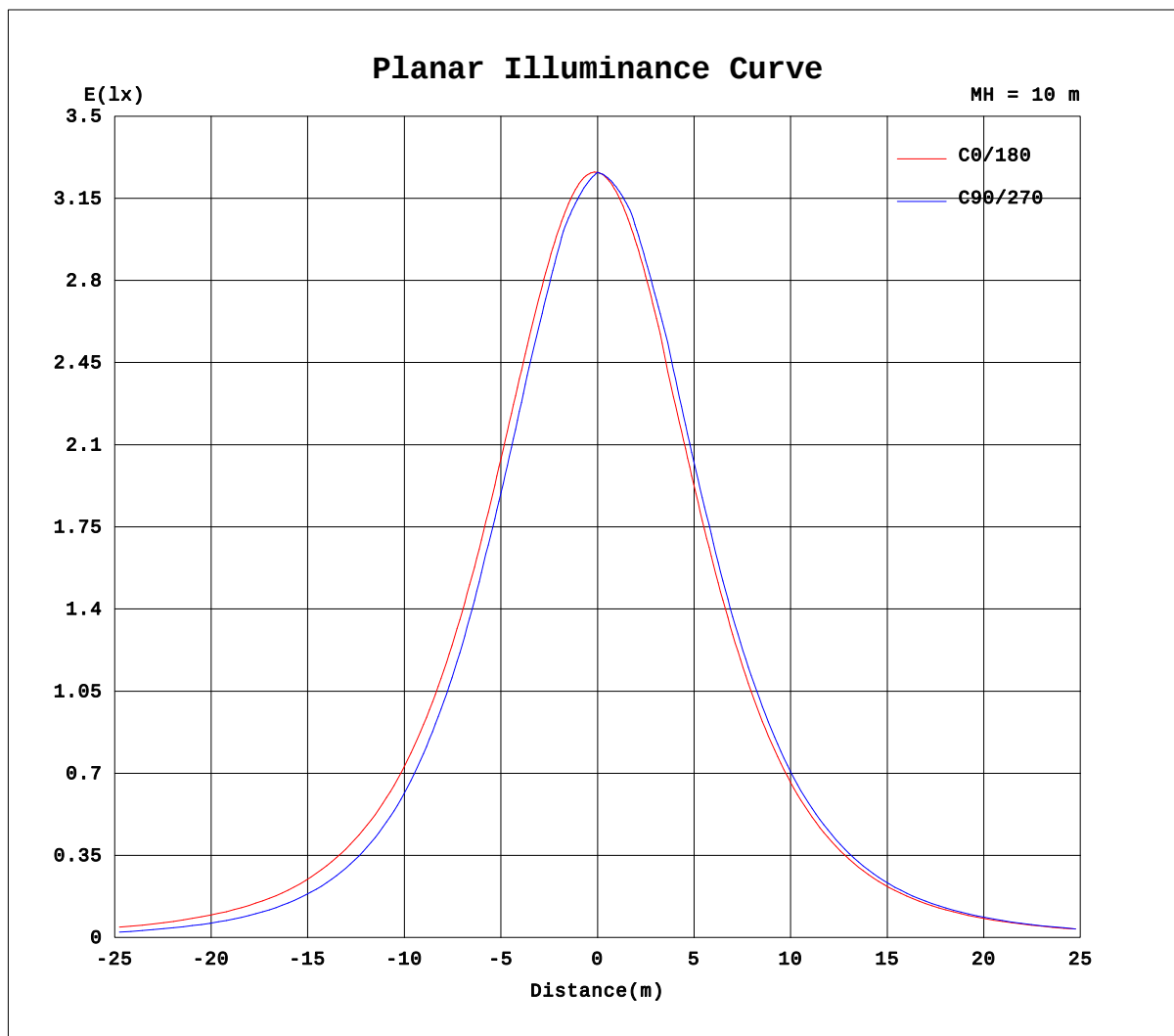


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-06-20

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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Humidity:83%
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Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:121.4V I:0.0707A P:8.436W PF:0.9837 Lamp Flux:804.8x1 lm		
NAME: LLS-COVE1-W40-8W-277V-016(3000K)-120V	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2024060064
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	4.52	4.66	4.50	4.35	3.68	2.78	1.67	0.45	0.00	0.00	0.00	0.00	0.00	0.00
-75	0.00	0.00	0.00	2.61	5.65	9.99	11.5	12.9	14.2	14.9	15.5	15.8	15.9	16.3	16.9	17.3	17.7	18.1	18.4
-70	0.00	0.00	0.00	5.23	11.3	15.5	18.3	21.3	23.9	26.2	28.2	29.9	31.4	32.7	33.7	34.6	35.4	36.1	36.9
-65	0.00	0.00	0.00	9.40	16.8	21.1	25.7	31.5	36.0	40.3	44.3	47.9	51.2	54.0	56.5	58.6	60.4	61.8	62.8
-60	0.00	0.00	0.00	13.6	22.3	26.8	33.2	41.7	48.1	54.4	60.4	65.9	71.0	75.4	79.4	82.7	85.5	87.5	88.7
-55	0.00	0.00	2.43	16.4	26.4	33.0	41.2	52.7	61.4	70.0	78.2	85.7	92.8	99.1	105	109	113	116	117
-50	0.00	0.00	4.87	19.2	30.6	39.2	49.2	63.6	74.6	85.5	95.9	106	115	123	130	136	141	144	146
-45	0.00	0.00	8.36	23.7	34.4	45.6	59.9	74.7	88.0	101	114	126	137	147	155	163	168	172	174
-40	0.00	0.00	11.9	28.2	38.3	52.1	70.6	85.8	101	117	132	146	159	171	181	190	196	201	203
-35	0.00	0.01	12.6	30.6	42.0	59.5	78.0	95.3	113	130	147	163	178	191	203	213	220	225	227
-30	0.00	0.01	13.3	32.9	45.8	67.0	85.5	105	125	144	163	181	198	212	225	236	244	249	252
-25	0.00	0.30	17.2	34.5	51.1	72.2	92.2	113	134	156	176	195	213	229	242	253	262	268	270
-20	0.00	0.59	21.0	36.1	56.5	77.4	98.9	121	144	167	189	210	228	245	259	271	280	286	289
-15	0.00	2.17	20.7	38.5	58.9	80.1	103	126	151	175	198	219	239	257	272	284	293	299	302
-10	0.00	3.75	20.3	40.8	61.3	82.8	106	131	158	183	207	229	250	268	284	296	306	312	315
-5	0.00	3.84	22.5	41.7	62.0	83.9	108	133	160	185	209	232	253	271	287	301	311	318	321
0	0.00	3.93	24.7	42.6	62.7	85.1	110	135	161	187	212	235	256	275	291	307	316	323	326
5	0.00	3.40	24.7	42.2	62.2	84.4	109	134	161	187	212	235	256	274	290	305	315	321	325
10	0.00	2.86	24.7	41.9	61.7	83.8	108	133	161	186	211	234	255	274	290	303	313	320	323
15	0.00	1.57	24.4	41.0	60.1	81.7	105	130	156	180	204	226	247	265	280	293	304	311	314
20	0.00	0.28	24.1	40.1	58.6	79.5	102	126	150	174	197	219	238	256	271	283	294	302	306
25	0.00	0.18	22.8	38.0	55.5	75.1	96.2	119	142	164	186	206	225	242	256	268	278	285	288
30	0.00	0.07	21.6	36.0	52.4	70.8	90.4	112	133	154	174	193	211	227	241	252	262	268	271
35	0.00	0.04	20.4	33.7	48.8	65.6	83.5	103	122	141	160	177	194	208	221	232	240	246	249
40	0.00	0.00	19.3	31.4	45.2	60.4	76.6	93.6	111	129	145	161	176	189	201	211	218	224	227
45	0.00	0.00	16.7	28.3	40.5	54.0	68.3	83.1	98.4	114	128	142	155	166	177	185	192	197	200
50	0.00	0.00	14.1	25.3	35.9	47.5	59.9	72.7	85.6	98.4	111	123	134	144	153	160	166	171	173
55	0.00	0.00	8.99	22.2	31.3	41.0	51.4	62.1	72.7	83.2	93.4	103	112	120	128	134	139	143	145
60	0.00	0.00	3.92	19.2	26.7	34.6	42.9	51.5	59.7	68.0	76.0	83.5	90.5	96.9	103	107	112	115	117
65	0.00	0.00	1.96	11.7	21.8	28.0	34.4	40.9	47.2	53.3	59.2	64.7	69.9	74.5	78.7	82.3	85.5	87.9	89.8
70	0.00	0.00	0.00	4.24	17.0	21.5	26.0	30.4	34.7	38.7	42.3	45.8	49.2	52.2	54.8	57.2	59.4	61.2	62.8
75	0.00	0.00	0.00	2.12	8.49	10.9	18.5	21.4	23.9	26.1	28.1	29.9	31.5	33.0	34.2	35.4	36.6	37.8	39.0
80	0.00	0.00	0.00	0.00	0.00	0.24	11.1	12.4	13.1	13.6	13.8	13.9	13.9	13.7	13.6	13.6	13.8	14.3	15.2
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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 Temperature:28.0DEG
 Operators:QC1
 Test Date:2024-06-20

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 Test Distance:8.300m [K=1.0000]
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DIM.:	SPEC.:	SERIAL No.:2024060064
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	1.68	3.70	5.66	7.44	9.01	10.3	11.2	11.8	12.1	12.1	11.8	6.65	0.61	0.00	0.00
-75	18.8	19.0	19.1	20.0	20.9	21.7	22.2	22.4	22.2	21.6	20.8	19.6	18.2	16.4	10.5	2.18	0.00	0.00
-70	37.5	38.0	38.3	38.3	38.1	37.7	36.9	35.7	34.0	32.0	29.7	27.1	24.2	21.1	14.4	3.74	0.00	0.00
-65	63.3	63.2	62.6	61.4	59.8	57.7	55.0	51.9	48.4	44.4	40.1	35.6	30.9	26.1	18.2	6.14	0.00	0.00
-60	89.0	88.4	87.0	84.6	81.5	77.7	73.2	68.2	62.7	56.8	50.5	44.1	37.6	31.1	22.0	8.54	0.00	0.00
-55	117	116	114	110	106	99.8	93.3	86.0	78.3	70.1	61.6	53.0	44.5	36.3	26.9	10.9	0.00	0.00
-50	146	144	141	136	130	122	113	104	93.8	83.3	72.7	62.0	51.5	41.4	31.8	13.2	0.00	0.00
-45	174	172	168	162	154	145	134	122	110	96.8	83.8	70.8	58.3	46.3	35.1	17.6	0.73	0.00
-40	203	200	195	188	178	167	154	140	126	110	94.9	79.7	65.0	51.1	38.3	22.0	1.46	0.00
-35	227	224	219	210	200	187	173	158	141	123	106	88.5	71.8	56.1	41.8	26.5	2.52	0.00
-30	252	248	242	233	222	208	192	175	156	137	117	97.3	78.5	61.1	45.2	31.0	3.58	0.00
-25	270	266	260	250	238	223	206	188	168	147	125	104	83.6	64.6	47.5	32.3	5.51	0.00
-20	288	284	277	267	254	239	220	201	179	156	133	111	88.6	68.1	49.9	33.6	7.45	0.00
-15	302	298	290	279	266	249	231	210	188	164	140	116	92.9	71.3	52.0	35.0	14.1	0.00
-10	315	311	304	290	277	260	241	220	196	172	147	121	97.1	74.5	54.2	36.4	20.8	0.00
-5	320	316	309	297	283	267	247	225	201	176	150	124	99.2	76.1	55.4	37.2	21.6	0.00
0	326	322	314	304	290	273	253	231	207	181	154	127	101	77.8	56.6	38.0	22.3	0.00
5	324	320	313	303	288	271	251	229	205	180	153	126	101	77.7	56.6	38.1	22.4	0.00
10	323	319	312	302	285	269	249	227	203	178	152	126	101	77.7	56.6	38.1	22.4	0.00
15	314	310	303	293	279	262	243	222	199	174	148	123	98.6	75.8	55.5	37.5	22.2	0.00
20	305	302	295	285	272	256	237	217	194	170	144	119	96.1	74.0	54.3	36.8	22.0	0.00
25	288	285	279	269	257	242	224	205	183	161	137	114	92.2	71.4	52.8	36.1	21.8	0.00
30	271	268	262	253	242	228	211	193	173	152	130	109	88.3	68.9	51.2	35.4	21.6	0.00
35	249	247	241	233	222	210	194	178	159	140	121	101	82.3	64.6	48.3	33.7	20.9	0.00
40	227	225	220	213	203	191	178	162	146	129	111	93.4	76.4	60.3	45.4	32.0	20.3	0.00
45	201	199	195	188	180	170	158	145	131	116	100	84.7	69.8	55.6	42.3	30.2	19.5	0.00
50	174	173	169	164	157	149	139	127	115	103	89.3	76.1	63.2	50.8	39.1	28.4	18.8	0.00
55	146	145	143	138	133	126	118	109	99.0	88.5	77.6	66.6	55.8	45.4	35.4	26.2	17.5	0.00
60	118	117	116	113	109	104	97.4	90.4	82.7	74.5	66.0	57.2	48.5	39.9	31.7	23.9	16.2	0.00
65	90.7	90.8	89.9	88.1	85.4	82.0	77.8	73.0	67.5	61.4	55.0	48.3	41.5	34.7	28.1	21.8	11.3	0.00
70	63.8	64.2	64.1	63.4	62.2	60.5	58.2	55.5	52.2	48.4	44.1	39.4	34.5	29.5	24.5	19.6	6.47	0.00
75	40.1	41.0	41.7	42.0	42.1	41.8	41.1	39.9	38.3	36.2	33.6	30.7	27.5	24.1	20.6	14.3	3.73	0.00
80	16.4	17.8	19.2	20.7	22.0	23.2	23.9	24.4	24.4	24.0	23.2	21.9	20.5	18.7	16.7	9.05	1.00	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:2024-06-20

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: