

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity (Luminaire orientation as tested.)	414.3 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
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Beam Spread	At 10% of Imax	148.5V x 157.5H
	At 50% of Imax	99.5V x 101.8H
	At 90% of Imax	41.8V x 42.4H

Beam Flux	Total	998.4 lumens per klm.
	To 10% of Imax	981.2 lumens per klm.
	To 50% of Imax	687.7 lumens per klm.
	To 90% of Imax	160.8 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.8 %

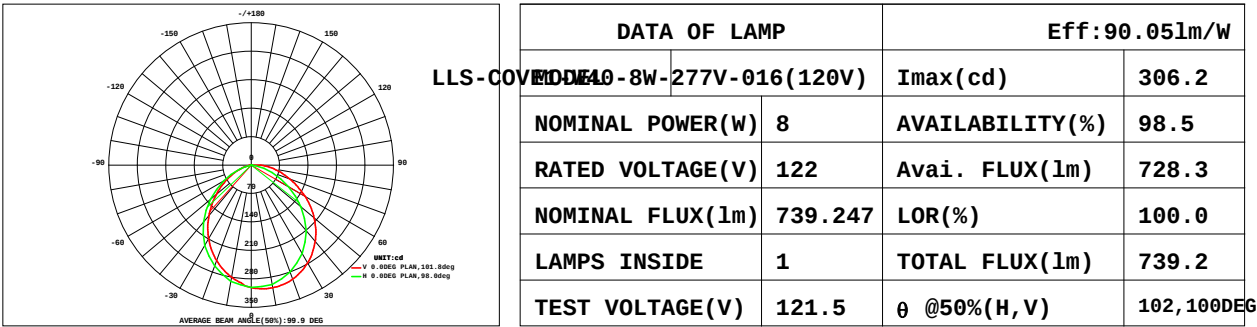
Luminaire Efficiency(Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-06-18

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:121.5V I:0.0687A P:8.209W PF:0.9831 Lamp Flux:739.247x1 lm		
NAME: LLS-COVE1-W40-8W-277V-016 (120V)	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2024060061
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:



AREA FLUX DIAGRAM																	UNIT:lm			Φ t	Φ a
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	0.00	
80	0.00	0.00	0.01	0.06	0.13	0.24	0.39	0.58	0.81	1.05	1.24	1.35	1.33	1.19	0.95	0.65	0.34	0.09	10.4	8.65	
70	0.00	0.00	0.08	0.28	0.59	0.99	1.43	1.87	2.26	2.53	2.61	2.48	2.17	1.74	1.24	0.76	0.36	0.09	21.5	20.6	
60	0.00	0.02	0.20	0.56	1.11	1.80	2.55	3.26	3.83	4.15	4.14	3.81	3.22	2.47	1.68	0.97	0.43	0.10	34.3	33.9	
50	0.00	0.06	0.32	0.85	1.64	2.63	3.69	4.67	5.41	5.77	5.67	5.13	4.26	3.19	2.12	1.18	0.50	0.10	47.2	46.9	
40	0.00	0.09	0.44	1.12	2.14	3.41	4.75	5.95	6.80	7.17	6.99	6.28	5.17	3.84	2.50	1.36	0.56	0.11	58.7	58.5	
30	0.00	0.11	0.53	1.34	2.55	4.04	5.58	6.92	7.85	8.23	7.97	7.14	5.87	4.34	2.81	1.51	0.60	0.12	67.5	67.4	
VERTICAL (DEG)	0.00	0.13	0.59	1.50	2.85	4.50	6.16	7.59	8.56	8.93	8.63	7.70	6.31	4.66	3.01	1.61	0.63	0.12	73.5	73.3	
	0.00	0.14	0.62	1.56	2.97	4.69	6.40	7.87	8.87	9.26	8.94	7.95	6.52	4.82	3.11	1.65	0.65	0.12	76.2	76.0	
	0.00	0.14	0.61	1.54	2.93	4.60	6.28	7.73	8.73	9.12	8.79	7.87	6.46	4.78	3.08	1.63	0.64	0.12	75.1	74.9	
	0.00	0.12	0.56	1.42	2.71	4.29	5.89	7.28	8.22	8.59	8.27	7.39	6.07	4.50	2.91	1.56	0.62	0.11	70.5	70.3	
	0.00	0.09	0.49	1.24	2.36	3.72	5.14	6.40	7.28	7.64	7.43	6.67	5.48	4.07	2.64	1.43	0.58	0.10	62.7	62.6	
	0.00	0.07	0.38	0.99	1.90	3.02	4.21	5.28	6.06	6.41	6.26	5.65	4.66	3.48	2.29	1.26	0.52	0.08	52.5	52.3	
	0.00	0.04	0.27	0.73	1.41	2.24	3.13	3.96	4.59	4.90	4.83	4.39	3.66	2.76	1.85	1.04	0.45	0.06	40.3	40.0	
	0.00	0.01	0.15	0.45	0.87	1.41	2.00	2.55	3.01	3.28	3.30	3.06	2.62	2.04	1.41	0.84	0.37	0.04	27.4	26.8	
	0.00	0.00	0.04	0.18	0.39	0.66	0.96	1.26	1.54	1.74	1.84	1.80	1.62	1.34	0.99	0.62	0.28	0.03	15.3	13.7	
-30	0.00	0.00	0.00	0.01	0.05	0.11	0.18	0.26	0.36	0.47	0.58	0.70	0.76	0.72	0.60	0.43	0.20	0.02	5.46	2.37	
-40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.10	0.16	0.17	0.14	0.07	0.01	0.68	0.00	
-50	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL(DEG)					20	30	40	50	60	70	80	90
Φ t	0.01	1.02	5.31	13.8	26.6	42.3	58.8	73.4	84.2	89.2	87.5	79.4	66.3	50.1	33.4	18.7	7.79	1.43	739	---	
Φ a	0.00	0.00	3.87	12.8	25.7	41.4	58.0	72.8	83.6	88.5	86.9	78.9	65.9	49.7	33.1	18.4	7.51	1.21	---	728	

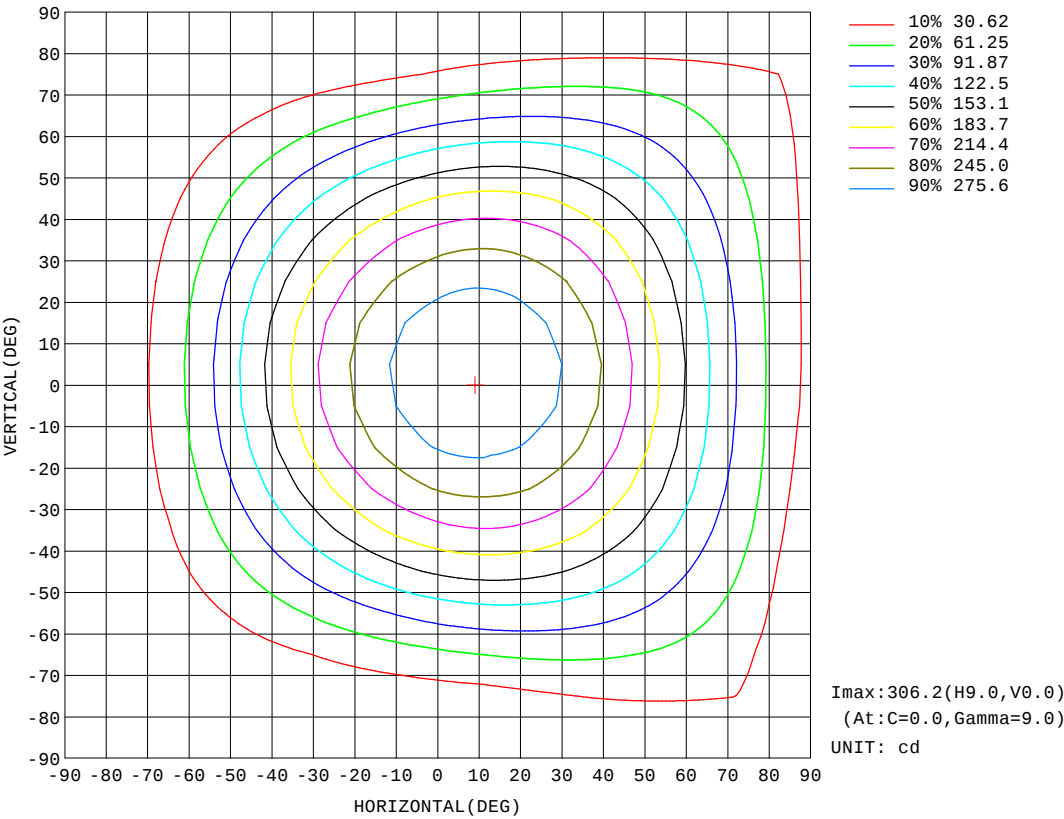
one-half-peak spread: U:47.2,D:52.9 , L:51.2,R:51.2 NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-06-18

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:121.5V I:0.0687A P:8.209W PF:0.9831 Lamp Flux:739.247x1 lm		
NAME: LLS-COVE1-W40-8W-277V-016 (120V)	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2024060061
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

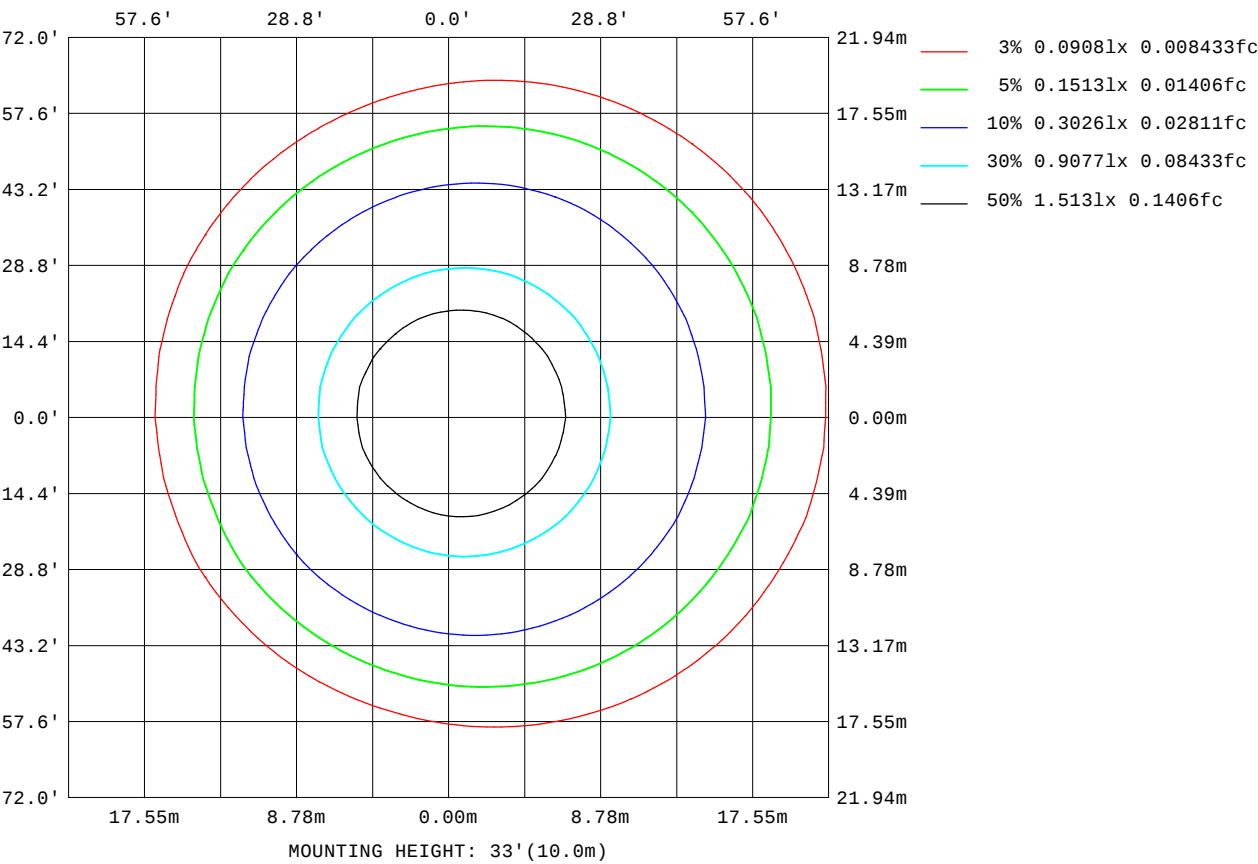


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Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

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DIM.:	SPEC.:	SERIAL No.:2024060061
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

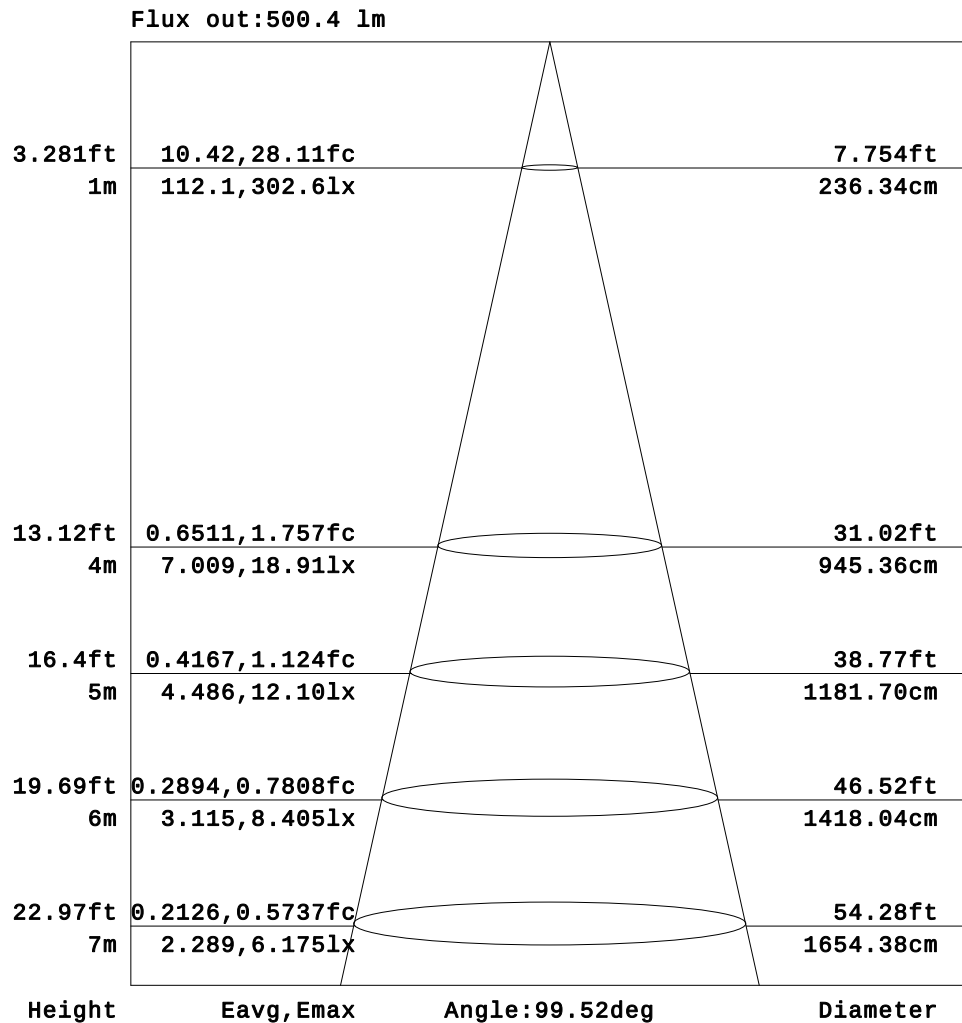


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H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-06-18

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:121.5V I:0.0687A P:8.209W PF:0.9831 Lamp Flux:739.247x1 lm		
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DIM.:	SPEC.:	SERIAL No.:2024060061
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

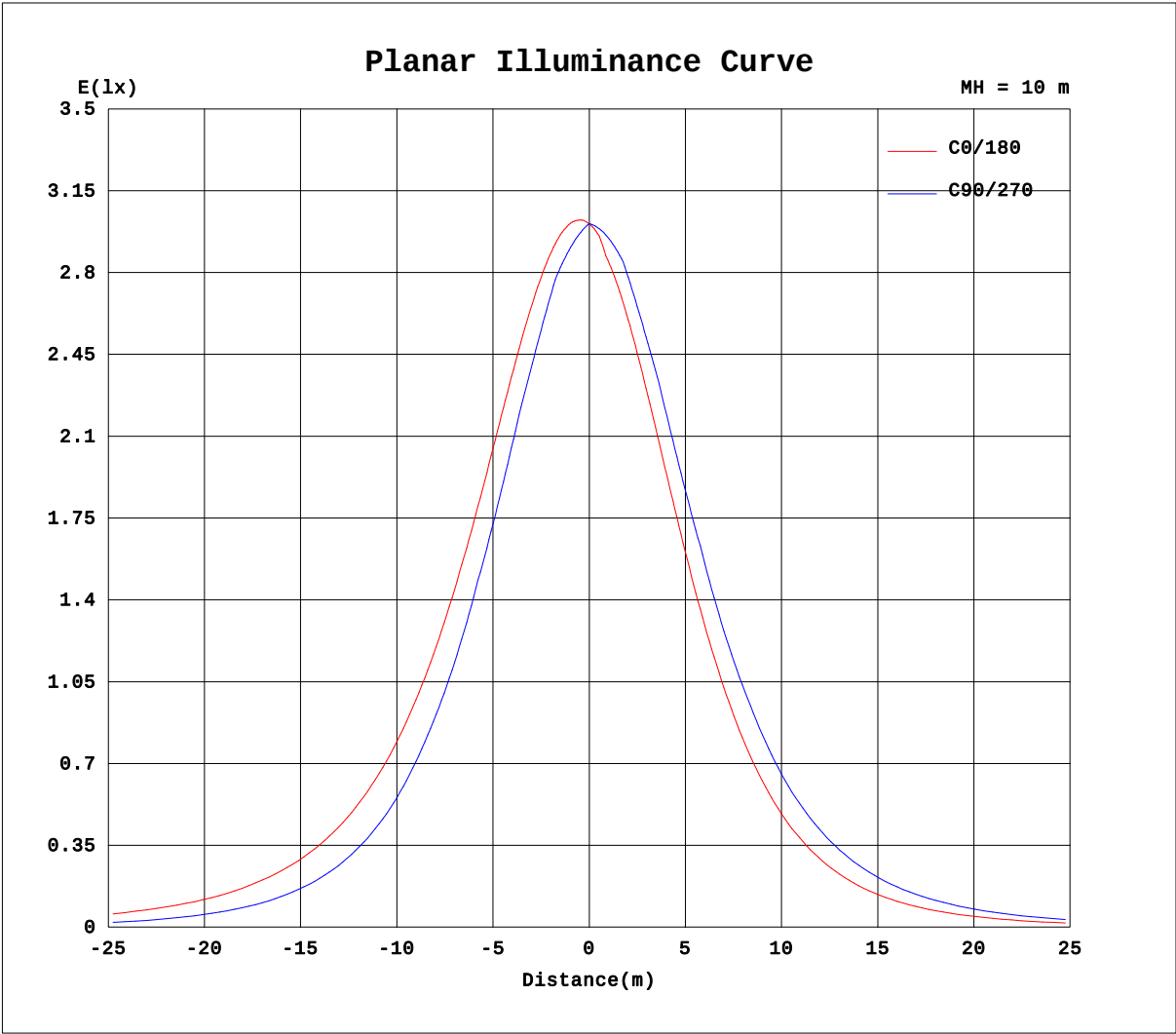


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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H(β) Interval: 1.0DEG
Test Speed: HIGH
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Operators:QC1
Test Date:2024-06-18

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

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NAME: LLS-COVE1-W40-8W-277V-016 (120V)	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2024060061
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	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	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	0.00
-75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.49	1.71	2.82	3.95	5.10	6.27	7.47	8.71	9.99	11.3	12.7	14.1	15.6
-70	0.00	0.00	0.00	0.00	0.00	0.00	0.98	3.42	5.64	7.90	10.2	12.5	14.9	17.4	20.0	22.6	25.4	28.3	31.3	
-65	0.00	0.00	0.00	0.00	1.20	3.53	6.18	10.5	14.3	18.3	22.5	26.6	30.9	35.1	39.3	43.3	47.4	51.3	54.9	
-60	0.00	0.00	0.00	0.00	2.40	7.06	11.4	17.5	23.0	28.8	34.7	40.7	46.8	52.8	58.5	64.0	69.3	74.3	78.6	
-55	0.00	0.00	0.00	0.97	5.32	11.1	17.8	25.3	32.7	40.4	48.5	56.6	64.7	72.6	80.1	87.2	93.8	99.7	105	
-50	0.00	0.00	0.00	1.94	8.24	15.1	24.3	33.0	42.3	52.1	62.3	72.5	82.6	92.3	102	110	118	125	131	
-45	0.00	0.00	0.00	4.02	11.3	19.6	30.6	41.2	52.5	64.5	76.9	89.2	101	113	124	134	143	151	157	
-40	0.00	0.00	0.00	6.11	14.3	24.0	36.9	49.3	62.7	77.0	91.4	106	120	134	147	158	168	177	183	
-35	0.00	0.00	0.11	7.48	16.1	28.4	41.9	56.1	71.4	87.6	104	120	137	152	166	179	190	199	206	
-30	0.00	0.00	0.23	8.86	18.0	32.8	47.0	62.8	80.1	98.2	117	135	153	170	186	200	212	222	229	
-25	0.00	0.00	0.74	9.40	21.7	36.5	51.9	69.3	88.3	108	128	148	167	185	202	217	229	239	247	
-20	0.00	0.00	1.26	9.94	25.4	40.2	56.9	75.8	96.4	118	139	161	182	201	218	234	247	257	264	
-15	0.00	0.00	0.71	12.3	26.8	42.4	60.0	80.0	102	124	148	170	192	212	230	246	259	270	277	
-10	0.00	0.00	0.16	14.7	28.2	44.6	63.1	84.2	107	131	156	180	202	223	242	258	272	282	290	
-5	0.00	0.00	2.25	15.2	29.2	45.9	64.9	86.5	110	134	159	183	206	227	246	262	276	287	296	
0	0.00	0.00	4.34	15.8	30.1	47.2	66.7	88.8	113	138	162	187	210	231	250	266	280	291	301	
5	0.00	0.00	4.11	15.5	29.7	46.6	65.9	87.8	112	136	162	186	209	230	249	266	280	291	300	
10	0.00	0.00	3.89	15.2	29.3	46.0	65.1	86.9	111	135	161	186	209	230	249	266	280	291	298	
15	0.00	0.00	3.64	14.6	28.2	44.5	63.0	84.0	107	131	155	179	202	222	241	257	271	282	289	
20	0.00	0.00	3.39	14.0	27.2	42.9	60.8	81.0	103	126	149	172	194	214	233	248	262	273	280	
25	0.00	0.00	2.66	12.6	25.0	39.7	56.5	75.4	96.0	118	140	161	182	202	219	234	248	258	266	
30	0.00	0.00	1.93	11.3	22.8	36.5	52.2	69.7	88.9	109	130	150	170	189	206	221	233	244	251	
35	0.00	0.00	1.15	9.71	20.3	32.8	47.0	62.9	80.3	98.6	117	136	154	172	187	201	214	224	231	
40	0.00	0.00	0.37	8.16	17.8	29.1	41.9	56.1	71.7	88.2	105	122	139	154	169	182	194	203	211	
45	0.00	0.00	0.19	6.16	14.6	24.4	35.6	48.0	61.5	75.8	90.5	105	120	134	147	159	170	178	185	
50	0.00	0.00	0.00	4.17	11.3	19.8	29.4	39.9	51.4	63.5	76.1	88.6	101	113	125	136	145	153	160	
55	0.00	0.00	0.00	2.20	8.24	15.2	23.2	32.0	41.4	51.4	61.8	72.2	82.6	92.7	102	111	120	127	133	
60	0.00	0.00	0.00	0.24	5.13	10.7	17.0	24.0	31.4	39.3	47.5	55.8	64.1	72.1	79.8	87.2	94.2	101	106	
65	0.00	0.00	0.00	0.12	2.57	6.30	11.1	16.3	22.0	27.9	34.0	40.3	46.6	52.8	58.8	64.7	70.4	75.6	80.4	
70	0.00	0.00	0.00	0.00	0.00	1.89	5.16	8.72	12.5	16.5	20.6	24.8	29.2	33.5	37.8	42.2	46.5	50.8	54.9	
75	0.00	0.00	0.00	0.00	0.00	0.95	2.58	4.36	6.26	8.24	10.3	12.4	14.9	17.6	20.4	23.3	26.4	29.7	33.1	
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	0.72	1.76	3.00	4.47	6.32	8.57	11.3
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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Operators:QC1
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V(B) Interval: 5.0DEG
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DIM.:	SPEC.:	SERIAL No.:2024060061
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	2.44	5.81	9.22	12.6	15.7	18.6	21.1	23.1	24.7	25.7	26.2	26.2	19.2	10.7	1.48	2.45
-75	17.1	18.5	21.1	24.0	26.7	29.1	31.3	32.9	34.1	34.8	34.9	34.4	33.4	31.9	24.5	13.6	2.90	2.23
-70	34.2	37.1	39.7	42.1	44.1	45.7	46.8	47.3	47.1	46.4	45.1	43.2	40.6	37.6	29.7	16.4	4.33	2.01
-65	58.2	60.9	63.2	64.8	65.8	66.0	65.6	64.4	62.5	59.9	56.7	52.8	48.4	43.5	35.4	19.5	5.97	1.60
-60	82.1	84.8	86.6	87.5	87.4	86.4	84.3	81.5	77.9	73.4	68.2	62.4	56.1	49.5	41.1	22.6	7.60	1.18
-55	108	111	112	112	111	109	105	100	94.7	88.1	80.8	72.8	64.4	55.8	46.3	28.0	9.47	0.59
-50	135	137	138	137	135	131	126	119	112	103	93.3	83.1	72.6	62.0	51.5	33.5	11.3	0.00
-45	161	164	164	162	159	153	146	138	128	117	105	93.0	80.4	67.8	55.5	39.8	13.3	0.00
-40	188	190	190	187	182	176	167	157	145	132	118	103	88.2	73.6	59.5	46.1	15.3	0.00
-35	211	213	212	209	204	196	186	174	161	145	130	113	96.2	79.7	63.9	49.0	19.5	0.00
-30	234	236	235	231	225	216	205	192	176	159	142	123	104	85.9	68.3	51.9	23.7	0.00
-25	251	253	252	248	241	231	219	205	188	170	150	130	110	89.8	70.9	53.4	30.8	0.00
-20	269	270	269	264	257	246	233	217	200	180	159	137	115	93.8	73.5	54.9	38.0	0.00
-15	282	283	280	275	267	256	243	226	208	187	165	142	119	96.9	75.6	56.2	38.7	0.00
-10	295	296	291	286	278	267	252	235	216	194	171	148	123	99.9	77.7	57.5	39.4	0.00
-5	300	301	298	292	284	272	258	240	220	198	175	150	125	101	78.3	57.8	39.5	0.31
0	305	306	304	298	290	278	263	245	225	202	178	153	126	102	79.0	58.2	39.5	0.61
5	304	305	303	297	287	276	261	243	223	201	177	152	126	102	79.0	58.3	39.7	5.75
10	303	304	302	295	285	273	259	241	221	199	176	151	126	102	79.0	58.3	39.8	10.9
15	294	295	293	287	278	267	252	235	216	194	171	147	123	99.6	77.5	57.4	39.3	12.5
20	285	286	284	279	271	260	246	229	210	189	167	143	120	97.4	76.0	56.4	38.9	14.2
25	270	272	270	266	258	248	234	218	200	181	160	138	116	94.1	73.9	55.3	38.4	14.4
30	256	258	257	252	245	235	223	208	191	172	153	132	111	90.9	71.8	54.1	38.0	14.6
35	236	238	237	233	227	218	206	193	177	160	142	124	105	86.1	68.5	52.1	37.1	14.4
40	216	218	217	214	209	200	190	178	164	149	132	115	98.1	81.3	65.2	50.1	36.2	14.2
45	190	193	193	190	186	179	170	160	148	135	121	106	90.8	75.9	61.6	48.0	35.3	14.7
50	165	168	168	167	163	158	151	142	132	121	109	96.4	83.5	70.5	57.9	45.9	34.4	15.1
55	138	140	142	141	139	135	129	123	115	106	96.2	85.9	75.2	64.4	53.6	43.2	33.1	15.1
60	110	113	115	115	114	112	108	103	97.6	91.0	83.6	75.5	67.0	58.2	49.4	40.5	31.9	15.1
65	84.4	87.5	89.7	90.8	90.9	89.9	87.9	85.0	81.3	76.7	71.4	65.5	59.0	52.2	45.1	37.9	30.7	14.7
70	58.6	61.9	64.5	66.4	67.6	67.9	67.6	66.6	64.9	62.5	59.3	55.5	51.1	46.1	40.9	35.3	29.6	14.4
75	36.5	39.7	42.7	45.2	47.4	48.9	50.0	50.5	50.3	49.5	48.0	46.0	43.3	40.1	36.5	32.5	28.2	14.3
80	14.3	17.6	20.8	24.1	27.2	30.0	32.3	34.3	35.7	36.6	36.8	36.5	35.5	34.0	32.1	29.7	26.8	14.3
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:2024-06-18

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: