

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

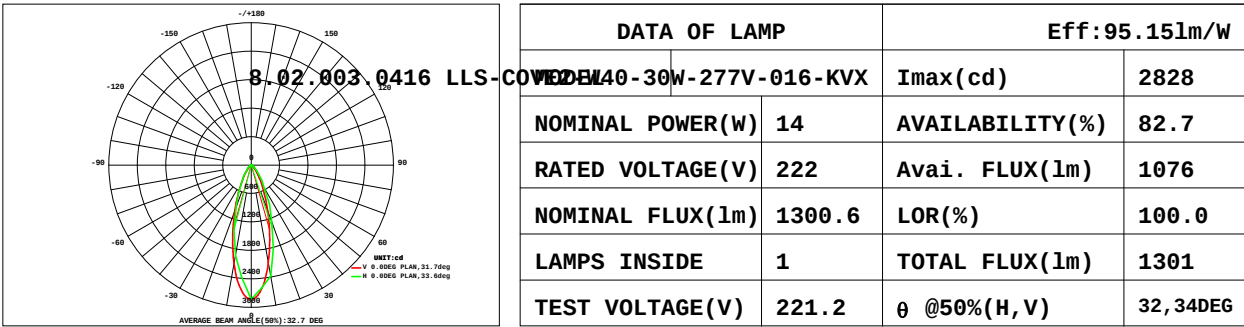
Maximum Intensity (Luminaire orientation as tested.)		2174.5 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of Imax	72.6V x 67.5H
	At 50% of Imax	33.6V x 31.8H
	At 90% of Imax	9.7V x 11.6H
Beam Flux	Total	999.7 lumens per klm.
	To 10% of Imax	827.4 lumens per klm.
	To 50% of Imax	379.9 lumens per klm.
	To 90% of Imax	46.1 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:221.2V I:0.0667A P:13.67W PF:0.9259 Lamp Flux:1300.6x1 lm		
NAME: 8.02.003.0414 LLS-COVE2-W40-15W-277V-016-KVX	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20240700031
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	0.00	0.00	0.02	0.07	0.25	0.43	0.47	0.37	0.19	0.04	0.01	0.00	0.00	0.00	0.00	1.84	0.00
	64	0.00	0.00	0.00	0.00	0.06	0.30	0.62	0.86	1.02	1.05	0.94	0.74	0.46	0.16	0.00	0.00	0.00	0.00	6.21	0.00
	56	0.00	0.00	0.00	0.07	0.35	0.79	1.24	1.60	1.82	1.84	1.65	1.36	0.98	0.54	0.18	0.02	0.00	0.00	12.5	0.00
	48	0.00	0.00	0.02	0.23	0.76	1.45	2.17	2.84	3.28	3.30	2.89	2.27	1.62	0.99	0.44	0.10	0.00	0.00	22.4	0.00
	40	0.00	0.00	0.08	0.52	1.31	2.38	3.75	5.23	6.23	6.22	5.21	3.78	2.47	1.46	0.71	0.22	0.01	0.00	39.6	13.0
	32	0.00	0.00	0.19	0.81	1.93	3.74	6.46	9.71	12.1	12.0	9.64	6.41	3.78	2.06	1.01	0.36	0.05	0.00	70.3	55.5
	24	0.00	0.01	0.28	1.07	2.62	5.52	10.7	17.9	23.6	23.6	17.9	10.9	5.74	2.83	1.31	0.50	0.09	0.00	125	113
		0.00	0.02	0.33	1.23	3.11	7.01	14.8	27.1	38.7	39.6	28.8	16.3	7.93	3.59	1.58	0.61	0.14	0.00	191	181
		0.00	0.02	0.37	1.33	3.41	7.96	17.4	33.2	49.1	50.6	36.1	19.7	9.16	3.99	1.71	0.65	0.15	0.00	235	225
		0.00	0.03	0.40	1.38	3.47	8.13	17.8	33.5	48.8	49.2	34.2	18.4	8.54	3.74	1.60	0.61	0.13	0.00	230	220
		0.00	0.02	0.32	1.14	2.84	6.21	12.7	22.6	31.8	32.8	24.5	14.2	7.08	3.27	1.48	0.57	0.12	0.00	162	151
	-24	0.00	0.00	0.21	0.84	2.02	4.05	7.61	12.5	16.8	17.7	14.3	9.16	5.06	2.60	1.24	0.48	0.09	0.00	94.7	81.9
	-32	0.00	0.00	0.11	0.57	1.39	2.62	4.47	6.74	8.58	8.95	7.56	5.31	3.31	1.91	0.97	0.36	0.05	0.00	52.9	34.7
	-40	0.00	0.00	0.04	0.34	0.89	1.62	2.46	3.30	3.90	4.01	3.56	2.80	2.02	1.30	0.67	0.22	0.02	0.00	27.1	0.00
	-48	0.00	0.00	0.00	0.16	0.53	1.00	1.44	1.81	2.05	2.08	1.92	1.64	1.28	0.84	0.37	0.07	0.00	0.00	15.2	0.00
-56	0.00	0.00	0.00	0.01	0.19	0.53	0.87	1.11	1.28	1.32	1.25	1.09	0.82	0.46	0.14	0.01	0.00	0.00	9.09	0.00	
-64	0.00	0.00	0.00	0.00	0.02	0.12	0.40	0.65	0.83	0.88	0.81	0.62	0.37	0.13	0.03	0.00	0.00	0.00	4.86	0.00	
-72	0.00	0.00	0.00	0.00	0.00	0.01	0.07	0.16	0.30	0.36	0.31	0.17	0.08	0.03	0.00	0.00	0.00	0.00	1.48	0.00	
	-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL(DEG)					16	24	32	40	48	56	64	72
Φ t	0.00	0.10	2.36	9.72	24.9	53.4	105	181	251	256	192	115	60.7	29.9	13.4	4.79	0.86	0.00	1300	---	
Φ a	0.00	0.00	0.00	0.00	1.68	33.1	88.4	164	233	238	175	98.3	40.4	3.77	0.00	0.00	0.00	0.00	---	1076	

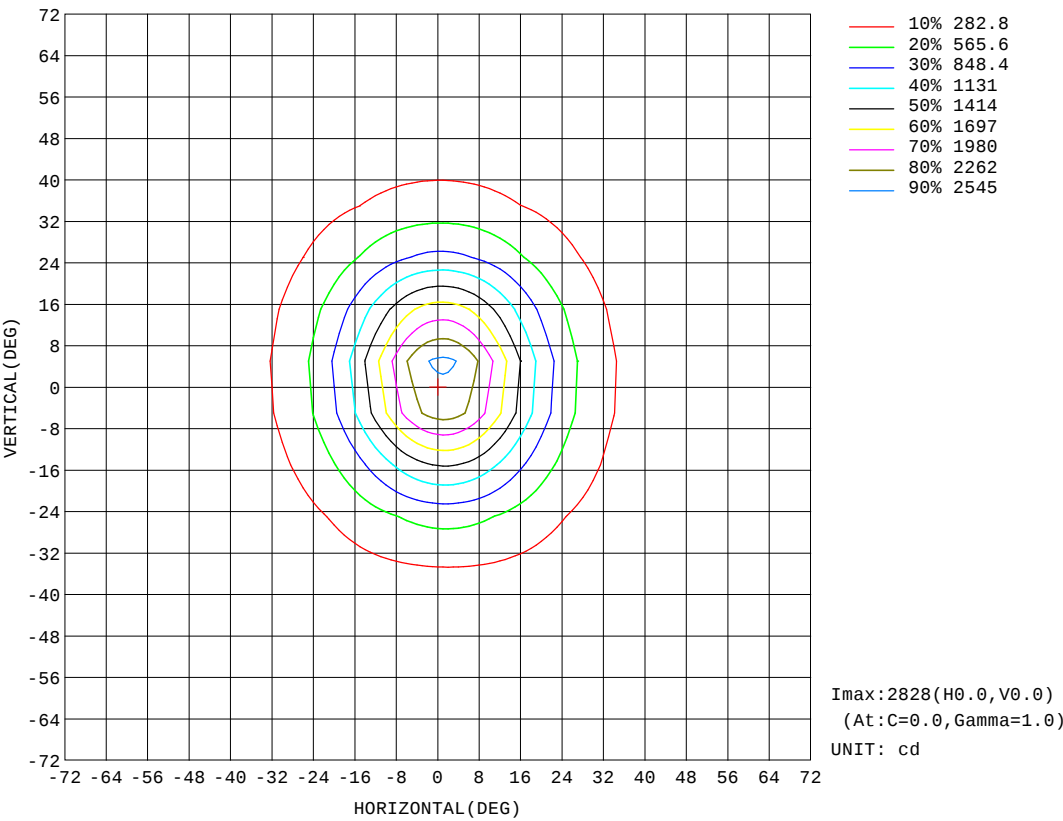
one-half-peak spread: U:15.2,D:18.7 , L:16.0,Beam Type: Type 4 x 5 (H x V)

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

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:221.2V I:0.0667A P:13.67W PF:0.9259 Lamp Flux:1300.6x1 lm		
NAME: 8.02.003.0414 LLS-COVE2-W40-15W-277V-016-KV	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20240700031
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

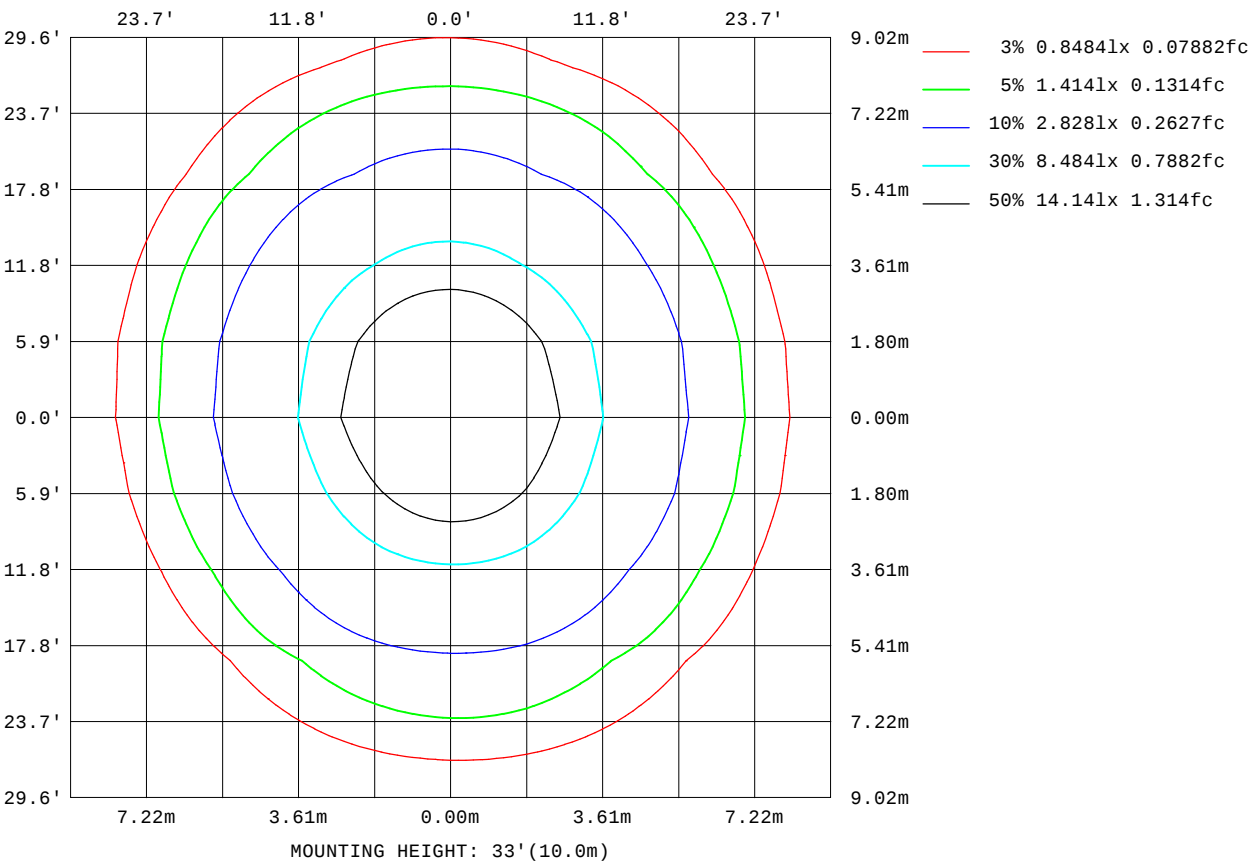


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V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:83%
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Remarks:

ISOLUX DIAGRAM

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NAME: 8.02.003.0414 LLS-COVE2-W40-15W-277V-016-KVX	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20240700031
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

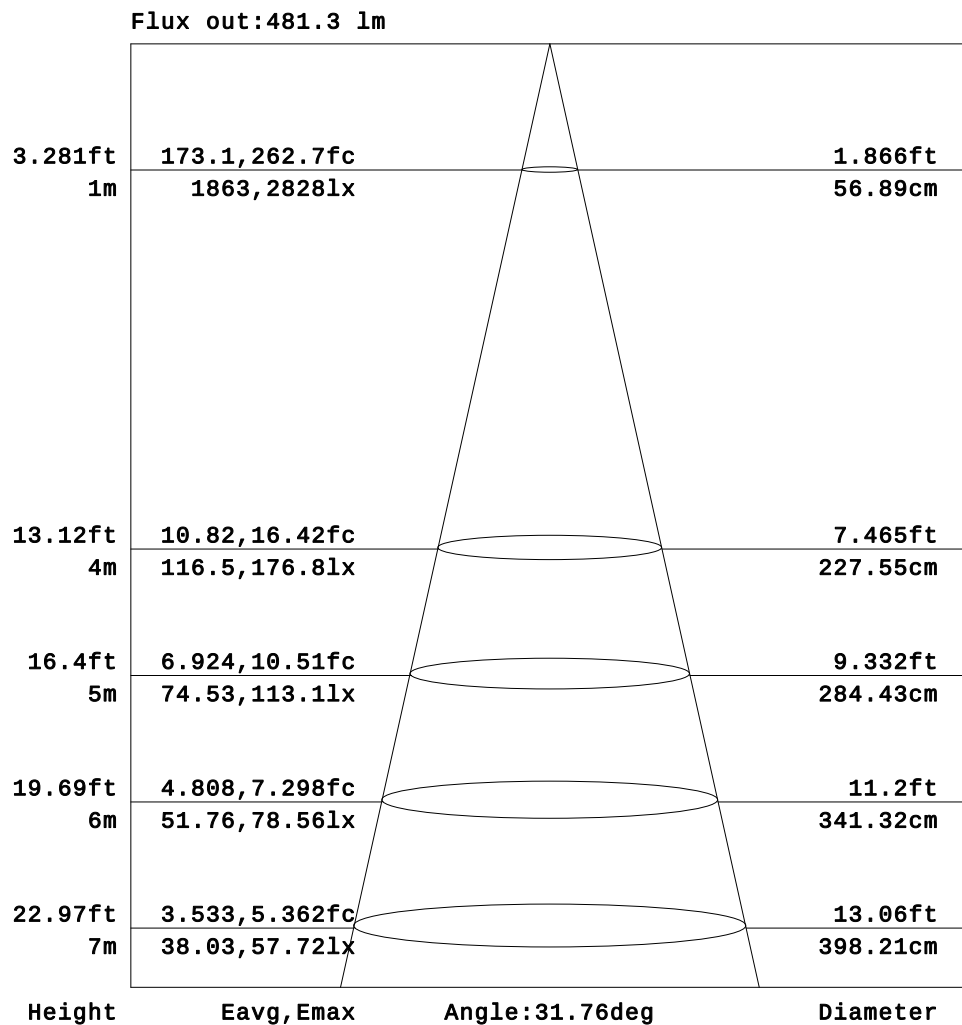


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-07-13

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:

AAI Figure

Test:U:221.2V I:0.0667A P:13.67W PF:0.9259 Lamp Flux:1300.6x1 lm		
NAME: 8.02.003.0414 LLS-COVE2-W40-15W-277V-016	KVXTYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20240700031
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

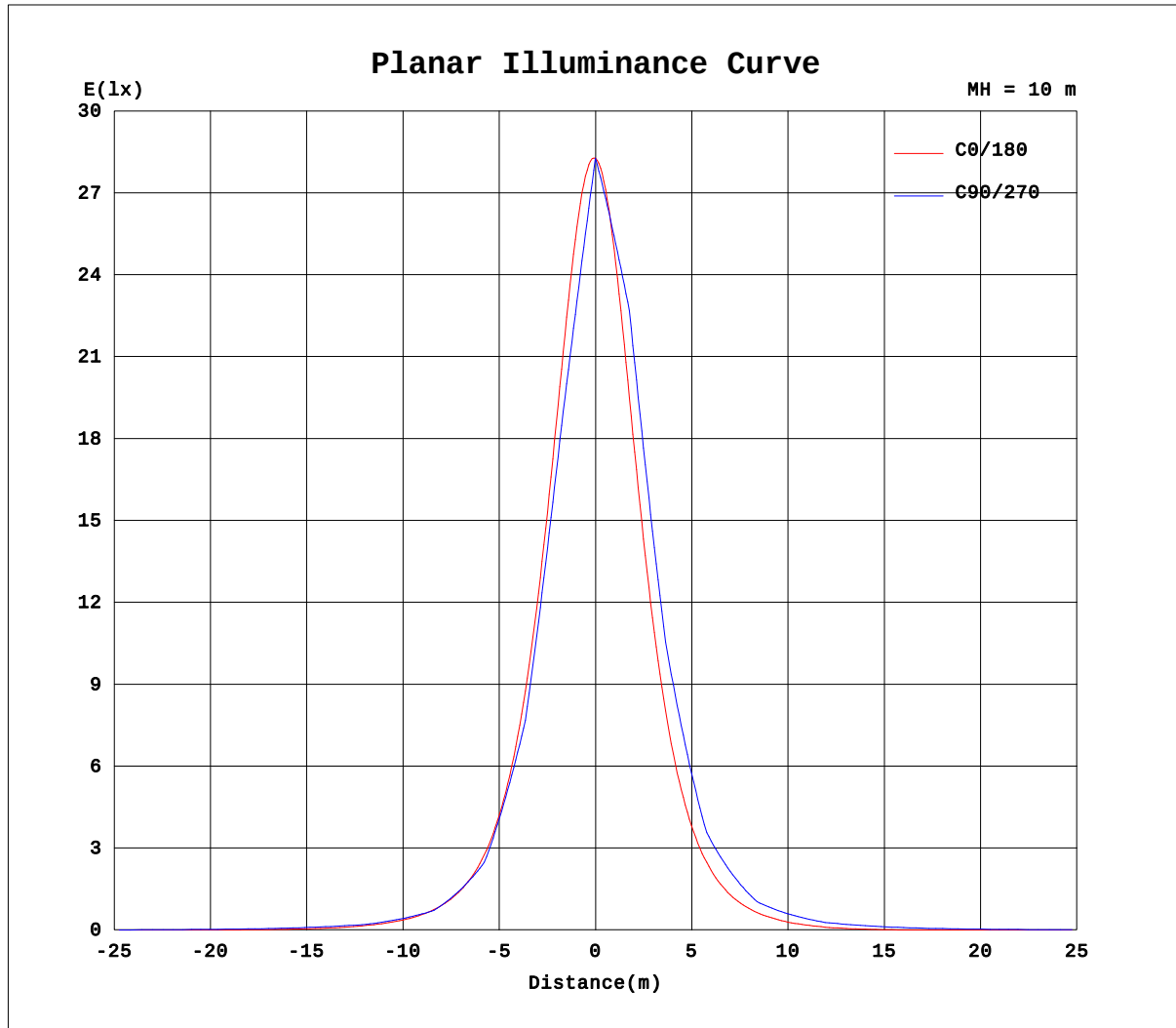


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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



H(β) Range: -90 - 90DEG
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Test Speed: HIGH
Temperature: 28.0DEG
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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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:221.2V I:0.0667A P:13.67W PF:0.9259 Lamp Flux:1300.6x1 lm		
NAME: 8.02.003.0414 LLS-COVE2-W40-15W-277V-016	KVXTYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20240700031
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	0.00	0.00	1.74	3.93	5.60
-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	0.00	0.11	4.36	8.67	11.6
-65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.44	5.59	10.8	14.6	19.8	24.8	28.2
-60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.19	13.2	23.3	30.6	37.3	42.6	45.4
-55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.47	8.59	16.5	27.6	38.4	46.7	53.8	59.6	62.9
-50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	8.80	19.6	32.9	46.6	57.2	65.6	72.9	78.3	81.1
-45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	5.88	17.2	31.4	47.7	64.3	79.3	93.0	106	115	121
-40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.69	14.6	30.9	49.6	69.3	88.5	107	125	143	156	162
-35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.62	20.7	40.6	64.3	90.9	121	155	191	227	256	271
-30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.52	14.2	34.1	59.2	89.3	124	166	216	271	324	364	383
-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.47	17.3	39.9	70.2	109	157	221	308	410	518	606	653
-20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.11	28.2	56.9	95.0	145	213	308	438	592	751	875	928
-15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.60	28.5	59.1	102	162	247	373	555	791	1060	1298	1427
-10	0.00	0.00	0.00	0.00	0.00	0.00	0.01	14.2	39.2	76.1	129	207	323	500	757	1095	1473	1796	1938
-5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.0	36.6	73.6	127	207	331	523	813	1212	1690	2137	2374
0	0.00	0.00	0.00	0.00	0.00	0.00	0.72	18.0	46.6	89.0	152	247	401	645	1011	1511	2100	2617	2828
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.0	38.6	77.5	134	220	353	563	881	1321	1849	2342	2594
10	0.00	0.00	0.00	0.00	0.00	0.00	0.23	16.3	43.9	85.0	145	236	374	590	908	1332	1813	2218	2374
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.2	33.7	69.2	120	192	299	461	695	1006	1359	1669	1820
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.8	35.4	70.7	119	185	277	415	596	817	1044	1214	1271
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.66	23.5	51.9	90.7	142	209	304	428	578	733	856	910
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.70	21.1	47.0	81.0	123	175	239	316	401	479	533	550
35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.58	11.0	30.9	57.9	90.7	129	173	226	283	335	375	391
40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.63	24.6	47.3	73.1	100	128	158	187	211	227	232
45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.47	12.0	28.8	49.1	70.8	92.7	114	135	152	165	170
50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.42	18.1	33.6	50.4	66.2	79.5	90.4	99.5	105	108
55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.61	7.64	17.1	29.2	42.9	55.1	64.7	72.6	78.2	80.9
60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.05	13.4	24.9	34.8	42.3	48.4	52.6	54.5
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.94	5.69	11.3	16.6	23.1	28.9	33.9	36.8
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	0.56	6.37	11.7	16.9	19.5
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	0.00	2.66	5.28	7.98	9.62
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

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
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]
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LUMINOUS DISTRIBUTION INTENSITY DATA

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NAME: 8.02.003.0414 LLS-COVE2-W40-15W-277V-016	KVXTYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20240700031
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	0.00	0.00	0.00	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	5.97	5.45	3.85	1.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-70	11.8	10.5	6.88	1.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-65	28.8	27.3	24.2	18.9	13.7	9.34	4.24	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-60	45.4	43.3	39.7	33.4	25.9	16.6	6.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-55	63.4	61.3	57.9	52.3	45.0	35.7	24.3	13.1	6.18	1.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-50	80.9	78.3	74.1	68.5	60.7	50.4	37.3	22.9	10.1	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-45	121	116	108	97.3	85.5	72.3	57.3	40.4	23.9	10.2	2.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-40	160	151	138	122	105	88.6	70.7	51.2	31.6	15.3	3.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-35	270	252	220	186	152	122	95.5	70.5	47.2	26.6	11.0	1.57	0.00	0.00	0.00	0.00	0.00	0.00
-30	375	341	289	236	187	145	110	80.4	53.9	30.9	13.4	0.98	0.00	0.00	0.00	0.00	0.00	0.00
-25	643	579	479	373	278	203	147	104	70.5	43.0	21.5	6.14	0.00	0.00	0.00	0.00	0.00	0.00
-20	892	780	626	469	337	237	165	113	75.3	45.6	22.6	6.42	0.00	0.00	0.00	0.00	0.00	0.00
-15	1389	1202	942	684	471	317	211	140	92.7	57.5	30.7	11.6	0.23	0.00	0.00	0.00	0.00	0.00
-10	1830	1526	1150	804	535	348	224	146	94.4	57.6	30.0	10.8	0.00	0.00	0.00	0.00	0.00	0.00
-5	2279	1903	1423	985	647	413	262	168	107	66.2	36.0	14.7	0.61	0.00	0.00	0.00	0.00	0.00
0	2612	2094	1510	1015	649	406	255	160	102	61.4	32.2	11.9	0.01	0.00	0.00	0.00	0.00	0.00
5	2473	2047	1516	1040	677	429	270	172	109	67.0	36.4	14.9	0.64	0.00	0.00	0.00	0.00	0.00
10	2201	1792	1318	902	589	376	239	152	97.4	59.1	30.8	11.1	0.00	0.00	0.00	0.00	0.00	0.00
15	1739	1469	1121	795	536	353	230	150	97.1	59.7	31.8	12.2	0.26	0.00	0.00	0.00	0.00	0.00
20	1193	1011	785	571	399	272	184	122	79.9	48.1	23.9	7.09	0.00	0.00	0.00	0.00	0.00	0.00
25	876	767	618	466	338	239	167	114	75.9	46.1	23.2	7.03	0.00	0.00	0.00	0.00	0.00	0.00
30	526	466	388	304	232	173	126	88.9	58.8	33.8	15.2	1.72	0.00	0.00	0.00	0.00	0.00	0.00
35	380	345	295	240	189	145	109	77.8	51.4	29.3	12.7	2.06	0.00	0.00	0.00	0.00	0.00	0.00
40	224	205	180	154	127	102	78.6	55.8	34.5	17.2	4.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45	166	155	139	121	103	83.8	64.4	44.9	26.8	12.3	3.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	105	99.3	91.3	81.9	70.6	57.6	42.5	26.5	12.7	2.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55	79.9	75.8	70.1	62.6	53.3	42.2	29.3	16.6	7.59	2.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60	53.4	50.3	46.1	39.7	31.9	21.9	10.9	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	36.6	34.4	30.1	24.6	17.7	12.0	6.51	1.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	19.1	17.0	12.1	6.89	0.57	0.00	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	9.64	8.84	6.59	4.01	0.93	0.00	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
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: