

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity (Luminaire orientation as tested.)	394.4 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
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Beam Spread	At 10% of Imax	150.6V x 160.7H
	At 50% of Imax	102.1V x 103.7H
	At 90% of Imax	45.0V x 44.8H

Beam Flux	Total	998.5 lumens per klm.
	To 10% of Imax	980.8 lumens per klm.
	To 50% of Imax	697.8 lumens per klm.
	To 90% of Imax	175.9 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.9 %

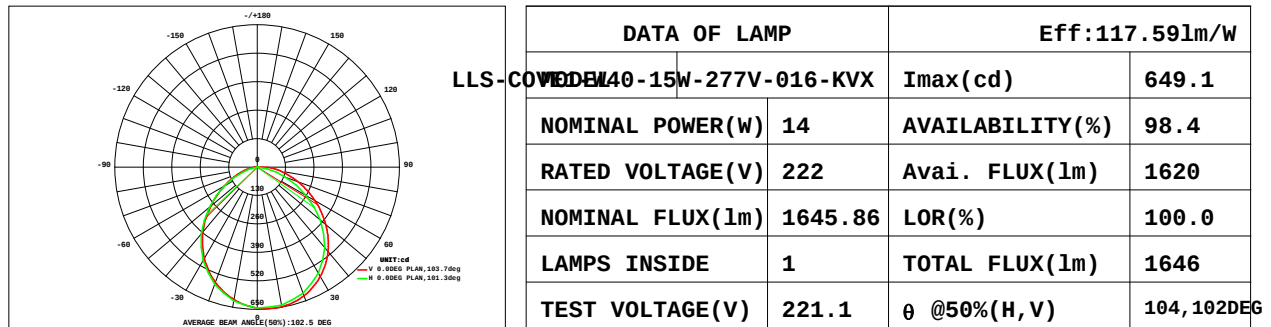
Luminaire Efficiency(Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-07-13

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:221.1V I:0.0683A P:14.00W PF:0.9271 Lamp Flux:1645.86x1 lm		
NAME: 8.02.003.0420 LLS-COVE1-W40-15W-277V-016-KVX	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20240700028
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
80	0.01	0.10	0.33	0.66	1.04	1.45	1.87	2.27	2.64	2.99	3.24	3.30	3.10	2.65	2.01	1.32	0.68	0.18	29.8
70	0.02	0.18	0.55	1.14	1.96	2.95	4.01	4.99	5.72	6.12	6.11	5.65	4.82	3.75	2.60	1.54	0.71	0.17	53.0
60	0.02	0.27	0.81	1.75	3.12	4.80	6.58	8.16	9.27	9.74	9.50	8.55	7.03	5.25	3.48	1.96	0.84	0.18	81.3
50	0.03	0.33	1.07	2.38	4.33	6.71	9.18	11.3	12.7	13.2	12.8	11.4	9.22	6.75	4.37	2.38	0.97	0.20	109
40	0.04	0.40	1.32	3.00	5.45	8.39	11.4	13.9	15.5	16.0	15.4	13.6	11.1	8.09	5.16	2.75	1.08	0.21	133
30	0.05	0.45	1.51	3.49	6.37	9.74	13.0	15.7	17.5	18.0	17.2	15.3	12.4	9.08	5.76	3.03	1.18	0.22	150
20	0.05	0.49	1.66	3.83	6.95	10.6	14.1	16.9	18.7	19.2	18.4	16.3	13.3	9.70	6.17	3.22	1.23	0.23	161
10	0.05	0.50	1.72	3.98	7.19	10.9	14.4	17.3	19.2	19.7	18.8	16.7	13.6	9.94	6.31	3.28	1.25	0.23	165
0	0.05	0.50	1.71	3.92	7.09	10.7	14.2	17.1	18.9	19.4	18.5	16.4	13.3	9.74	6.18	3.22	1.22	0.22	162
-10	0.03	0.46	1.60	3.68	6.63	10.1	13.4	16.1	17.8	18.3	17.5	15.5	12.6	9.17	5.81	3.03	1.16	0.19	153
-20	0.02	0.40	1.40	3.22	5.80	8.88	11.9	14.3	15.9	16.3	15.6	13.9	11.3	8.20	5.21	2.76	1.07	0.15	136
-30	0.01	0.30	1.15	2.61	4.73	7.21	9.73	11.9	13.3	13.7	13.2	11.7	9.55	6.99	4.47	2.41	0.94	0.12	114
-40	0.00	0.20	0.87	1.93	3.47	5.32	7.25	8.99	10.1	10.6	10.2	9.17	7.53	5.60	3.69	2.06	0.78	0.11	87.9
-50	0.00	0.12	0.60	1.32	2.32	3.52	4.77	5.89	6.70	7.07	6.95	6.33	5.31	4.06	2.78	1.62	0.60	0.11	60.1
-60	0.00	0.06	0.35	0.79	1.30	1.91	2.52	3.08	3.52	3.80	3.88	3.71	3.28	2.67	1.94	1.18	0.43	0.10	34.5
-70	0.00	0.01	0.13	0.33	0.49	0.65	0.76	0.86	0.98	1.15	1.37	1.54	1.59	1.47	1.21	0.77	0.30	0.08	13.7
-80	0.00	0.00	0.01	0.03	0.03	0.02	0.01	0.00	0.00	0.01	0.04	0.14	0.27	0.36	0.36	0.25	0.11	0.04	1.67
-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
Φ t	0.39	4.77	16.8	38.1	68.3	104	139	169	188	195	189	169	139	103	67.5	36.8	14.6	2.75	1646
Φ a	0.00	1.53	14.0	35.5	66.0	102	137	167	187	194	188	168	138	103	66.7	36.1	13.6	1.79	1620

one-half-peak spread: U:47.4,D:55.2 , L:52.9,R:51.4

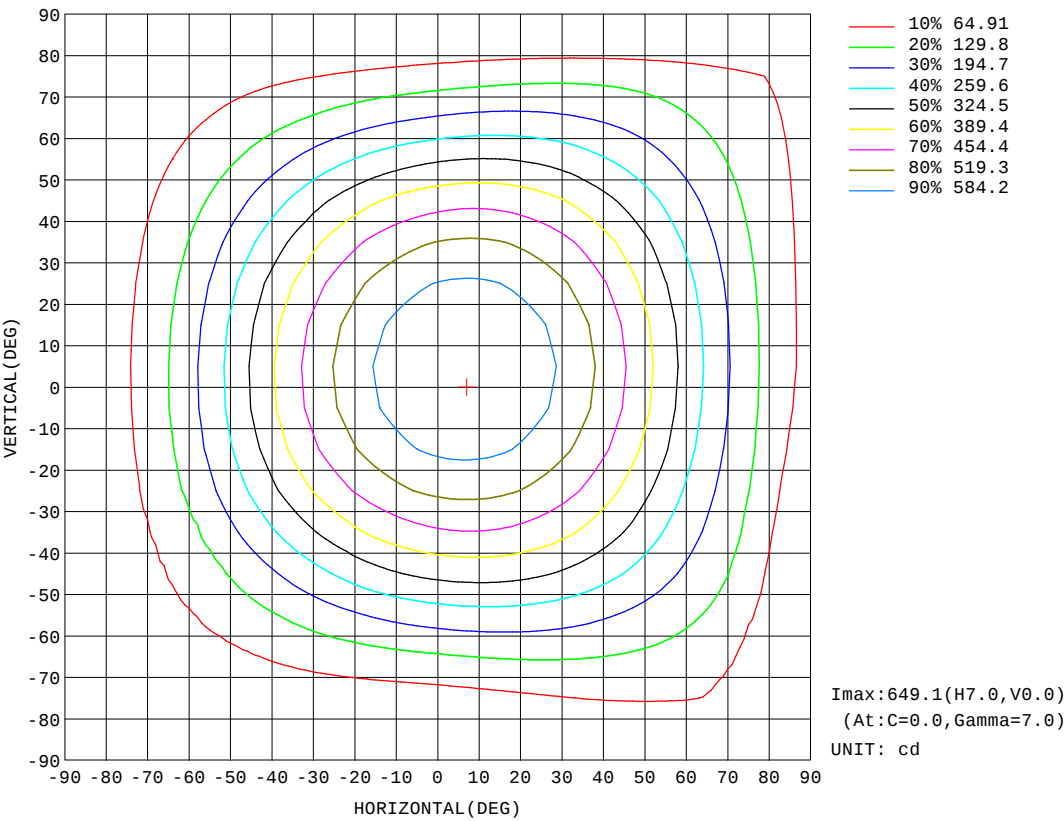
NEMA Beam Type: Type 7

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

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:221.1V I:0.0683A P:14.00W PF:0.9271 Lamp Flux:1645.86x1 lm		
NAME: 8.02.003.0420 LLS-COVE1-W40-15W-277V-016-KVX	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20240700028
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

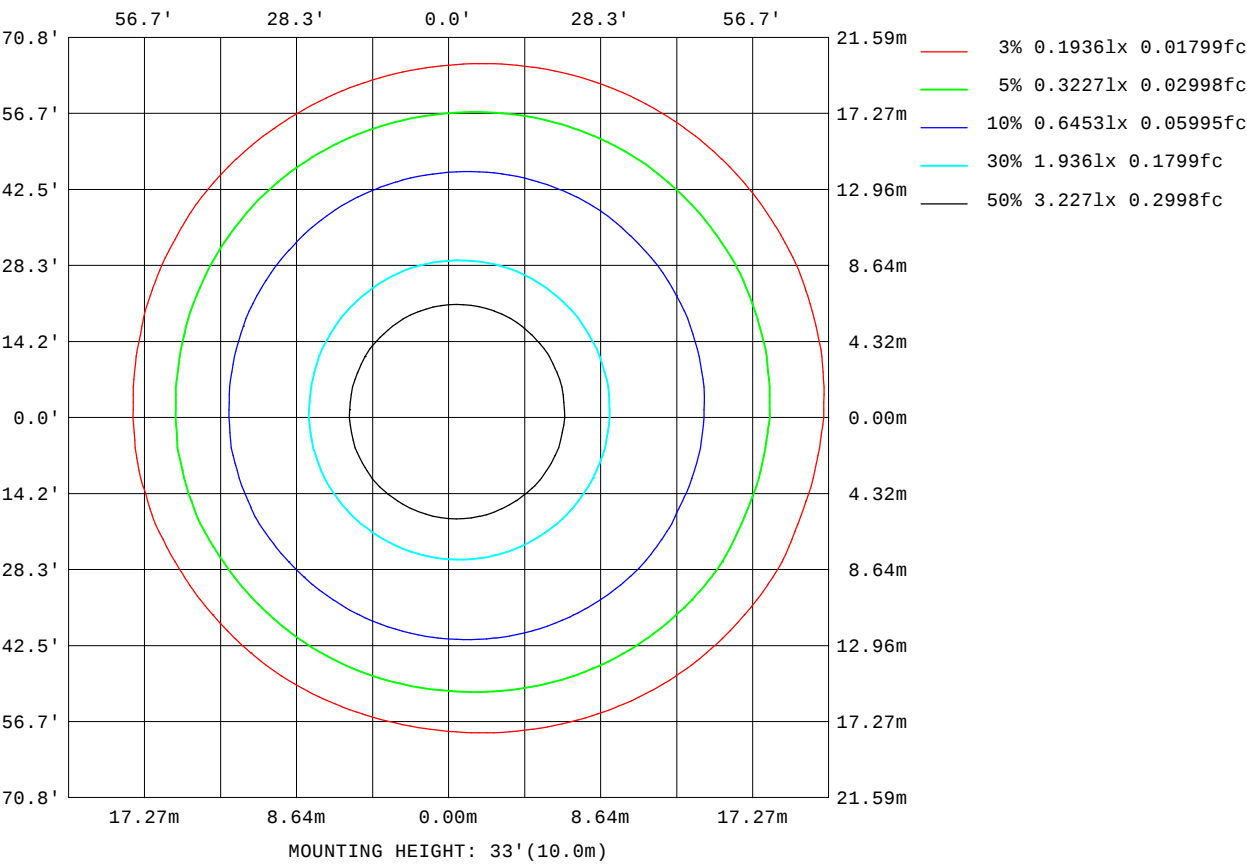


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V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
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Test Distance:8.300m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

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DIM.:	SPEC.:	SERIAL No.:20240700028
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

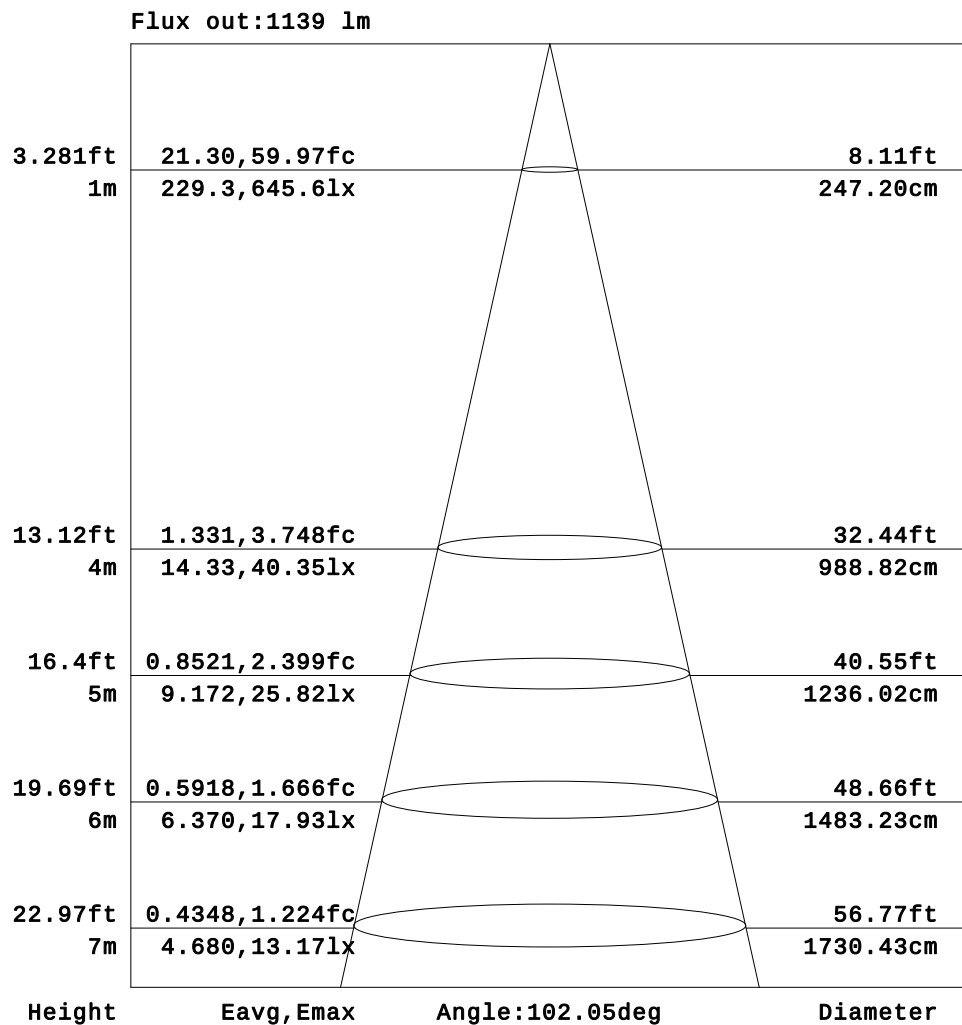


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H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-07-13

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

Test:U:221.1V I:0.0683A P:14.00W PF:0.9271 Lamp Flux:1645.86x1 lm		
NAME: 8.02.003.0420 LLS-COVE1-W40-15W-277V-016-KVX	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20240700028
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

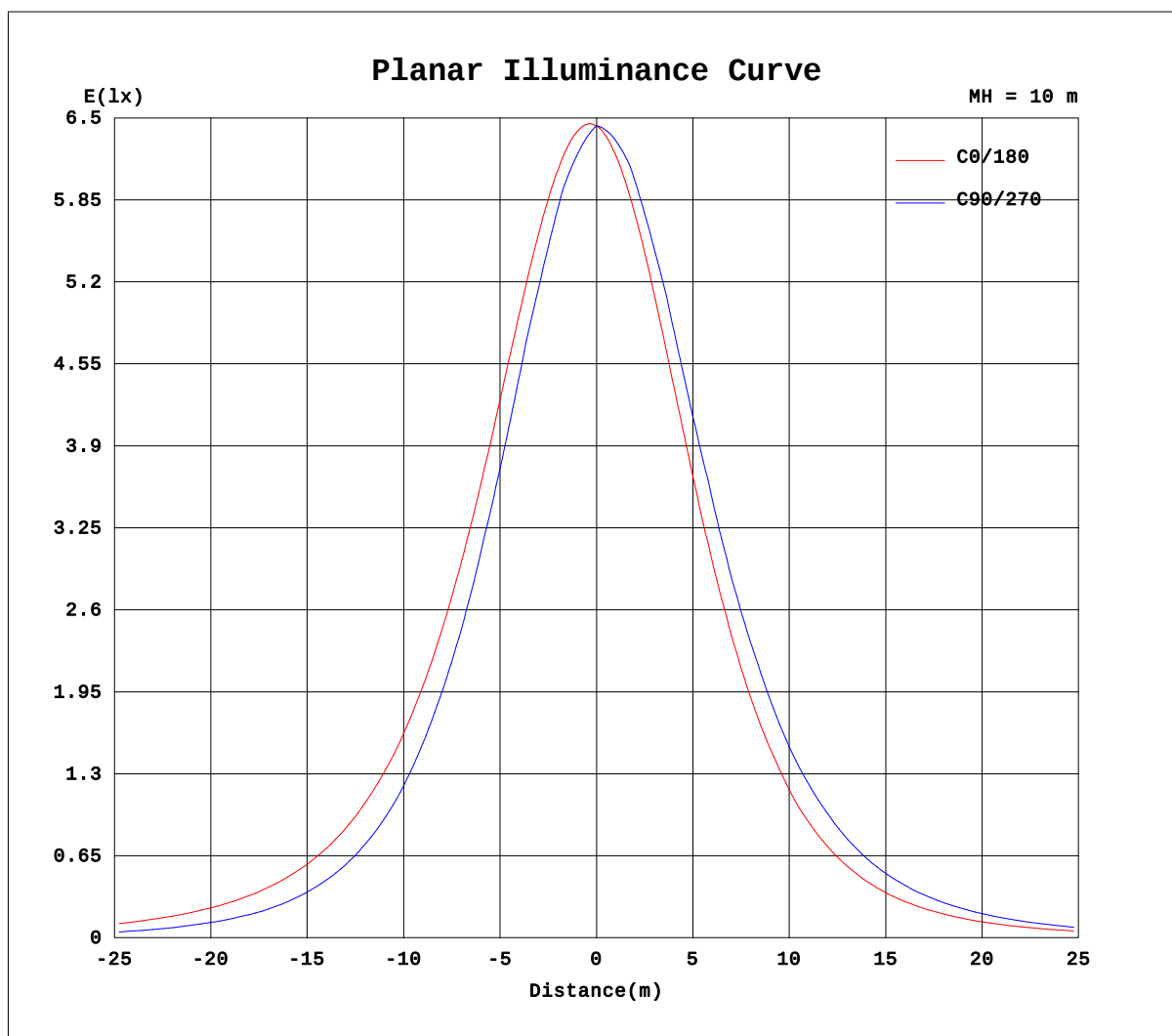


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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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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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:221.1V I:0.0683A P:14.00W PF:0.9271 Lamp Flux:1645.86x1 lm		
NAME: 8.02.003.0420 LLS-COVE1-W40-15W-277V-016-KVX	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20240700028
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	1.31	5.19	7.83	8.65	9.07	8.46	8.18	7.48	6.18	4.74	3.34	2.11	1.31	1.25	2.50
-75	0.00	0.00	0.00	1.21	5.39	10.7	17.2	19.8	21.8	23.9	26.5	28.1	29.4	30.5	31.5	32.6	33.9	35.6	38.1
-70	0.00	0.00	0.00	2.41	9.46	16.2	26.5	30.9	34.5	39.3	44.8	48.8	52.6	56.2	59.7	63.0	66.4	70.0	73.6
-65	0.00	0.00	0.19	6.36	14.9	25.8	37.7	45.3	52.5	61.2	70.0	77.9	85.7	93.2	100	107	113	118	123
-60	0.00	0.00	0.38	10.3	20.4	35.4	48.8	59.6	70.5	83.2	95.2	107	119	130	141	150	159	166	172
-55	0.00	0.00	2.18	13.1	27.6	46.5	60.9	75.9	90.7	108	125	141	158	174	188	201	212	222	229
-50	0.00	0.00	3.98	16.0	34.8	57.5	73.0	92.2	111	133	155	176	197	217	236	252	266	277	285
-45	0.00	0.00	5.63	21.6	44.5	68.0	84.9	108	134	161	187	213	238	262	286	304	320	333	342
-40	0.00	0.00	7.28	27.1	54.2	78.4	96.7	124	158	189	219	250	280	308	336	357	375	389	398
-35	0.00	0.04	10.1	34.2	61.3	86.8	113	146	182	217	252	287	320	351	379	403	422	436	446
-30	0.00	0.08	13.0	41.3	68.3	95.3	130	167	206	246	285	324	360	394	423	448	468	484	494
-25	0.00	0.69	18.5	47.5	73.2	104	142	182	224	267	311	353	392	427	458	484	506	522	532
-20	0.00	1.31	24.0	53.7	78.1	112	154	196	242	288	337	382	424	461	493	521	543	560	570
-15	0.00	3.34	27.5	55.8	83.4	119	162	207	255	304	354	400	444	482	516	544	567	584	595
-10	0.00	5.38	31.1	57.9	88.6	126	170	217	269	320	371	419	464	504	539	568	592	609	620
-5	0.00	9.62	32.7	59.3	90.5	129	172	221	273	326	379	428	473	514	549	579	603	620	632
0	0.00	13.9	34.3	60.8	92.5	131	175	225	277	333	387	437	483	524	560	590	614	632	644
5	0.00	9.73	34.6	60.0	91.3	129	174	224	276	331	384	434	480	522	557	588	612	630	642
10	0.00	5.58	34.8	59.2	90.2	128	173	223	276	329	382	431	478	519	555	585	610	628	640
15	0.00	8.31	34.2	58.0	88.2	125	168	216	267	319	372	421	466	507	542	572	596	614	626
20	0.00	11.0	33.6	56.7	86.1	122	162	209	258	309	362	410	455	495	530	559	583	601	613
25	0.00	10.2	32.0	53.8	81.3	115	153	197	244	292	342	388	431	470	504	533	557	574	586
30	0.00	9.29	30.3	50.9	76.4	107	143	185	230	276	322	366	408	446	479	508	531	548	560
35	0.00	8.69	28.6	47.6	71.1	99.4	132	169	209	251	294	335	375	411	443	470	492	509	521
40	0.00	8.08	27.0	44.4	65.7	91.3	121	153	189	227	266	304	343	377	407	433	454	470	481
45	0.00	7.75	24.6	40.2	58.9	81.2	107	135	166	200	234	268	302	332	360	383	403	418	429
50	0.00	7.42	22.1	35.9	52.1	71.0	92.7	117	143	173	203	232	261	288	312	334	352	366	377
55	0.00	5.73	17.9	31.8	45.6	61.5	79.5	99.6	121	145	169	193	217	240	260	279	294	307	316
60	0.00	4.04	13.6	27.7	39.0	51.9	66.3	82.1	99.2	117	136	155	174	192	209	224	237	248	256
65	0.00	3.55	10.2	22.9	32.3	42.4	53.5	65.6	78.5	92.0	106	120	134	148	160	172	182	191	199
70	0.00	3.06	6.77	18.1	25.6	32.9	40.6	49.1	57.8	66.8	76.1	85.3	94.6	104	112	121	128	135	141
75	0.00	1.53	4.31	12.2	17.8	24.5	30.0	35.5	41.0	46.6	52.2	57.6	63.1	68.4	73.5	78.5	83.4	88.3	93.3
80	0.00	0.00	1.85	6.39	9.97	16.1	19.4	21.9	24.2	26.4	28.3	30.0	31.6	33.1	34.7	36.4	38.7	41.6	45.3
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

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
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Operators:QC1
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NAME: 8.02.003.0420 LLS-COVE1-W40-15W-277V-016-KVX	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20240700028
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	5.20	9.27	14.3	19.8	25.6	31.3	36.7	41.5	45.6	48.8	51.1	52.2	45.7	38.0	29.9	28.5	28.7	29.0
-75	41.4	45.5	49.9	54.4	58.8	62.7	66.1	68.5	70.1	70.6	70.1	68.5	61.5	47.2	37.7	32.0	31.2	28.8
-70	77.5	81.6	85.5	89.1	92.0	94.2	95.4	95.5	94.5	92.4	89.1	84.8	77.3	56.4	45.5	35.5	33.7	28.6
-65	127	131	134	136	136	135	133	130	125	119	112	103	93.2	72.3	50.4	41.2	33.9	28.5
-60	177	181	182	182	180	176	171	164	155	145	134	122	109	88.3	55.2	46.9	34.0	28.4
-55	234	237	237	235	230	223	214	202	189	175	159	142	125	104	69.4	49.5	37.2	28.0
-50	290	293	292	288	280	269	256	240	223	204	184	163	141	120	83.5	52.1	40.3	27.7
-45	347	349	347	341	331	317	300	280	258	234	209	184	158	131	94.1	57.8	38.8	26.7
-40	404	405	402	394	382	365	344	320	294	265	235	205	174	143	105	63.5	37.3	25.8
-35	452	452	448	438	424	405	382	354	324	289	255	220	186	152	115	71.9	35.4	22.8
-30	499	499	493	482	466	445	419	388	354	313	275	236	198	161	126	80.3	33.6	19.8
-25	537	536	530	518	501	478	449	416	379	337	295	253	211	170	131	90.2	38.6	15.4
-20	575	574	567	554	535	510	480	444	404	361	315	269	223	179	137	100	43.6	11.1
-15	600	599	592	578	559	533	502	465	423	378	330	280	232	185	142	103	56.3	9.34
-10	625	624	617	603	582	556	523	485	442	395	345	291	240	192	147	107	68.9	7.60
-5	637	636	628	614	593	566	533	494	450	402	351	297	246	196	149	108	71.3	7.79
0	649	647	640	625	604	577	543	504	459	410	358	304	251	200	151	109	73.8	7.97
5	647	646	638	624	603	576	543	503	459	410	358	303	251	200	152	110	74.5	16.8
10	645	644	637	623	603	576	542	503	459	410	359	303	250	200	153	111	75.2	25.6
15	632	631	623	610	589	563	530	492	448	401	350	297	246	197	150	109	74.4	29.9
20	618	617	610	596	576	550	518	480	437	391	342	291	241	194	147	108	73.7	34.2
25	592	591	584	571	552	527	496	460	419	375	327	279	232	187	144	106	73.1	35.4
30	565	565	559	546	529	504	475	440	401	359	312	267	222	180	140	104	72.5	36.6
35	526	527	521	510	493	470	442	410	374	335	293	251	210	170	133	99.8	70.7	36.9
40	487	488	483	473	457	436	410	380	346	311	273	235	198	160	127	96.0	69.0	37.3
45	435	437	433	424	411	393	368	342	313	281	249	215	182	150	120	92.0	67.4	37.2
50	383	385	383	376	365	349	327	304	279	252	224	196	167	139	113	88.1	65.9	37.1
55	323	326	325	320	311	299	282	264	244	222	199	175	151	127	104	83.1	63.6	37.0
60	262	266	266	263	258	249	238	224	209	192	173	154	134	115	95.9	78.1	61.3	36.9
65	205	208	210	210	207	202	195	186	175	162	149	134	119	103	87.9	73.3	59.2	37.0
70	147	151	155	156	157	155	152	147	141	133	124	114	103	91.5	79.9	68.5	57.0	37.1
75	98.3	103	107	111	113	115	115	113	111	107	101	95.0	87.7	79.8	71.4	63.0	51.6	37.1
80	49.8	54.8	60.1	65.3	70.0	74.1	77.3	79.3	80.3	80.0	78.5	75.9	72.3	68.0	62.9	57.5	46.2	37.0
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
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: