

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity (Luminaire orientation as tested.)	412.3 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
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Beam Spread	At 10% of Imax	145.2V x 154.8H
	At 50% of Imax	99.5V x 101.9H
	At 90% of Imax	43.7V x 43.7H

Beam Flux	Total	998.5 lumens per klm.
	To 10% of Imax	978.7 lumens per klm.
	To 50% of Imax	698.6 lumens per klm.
	To 90% of Imax	173.6 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.9 %

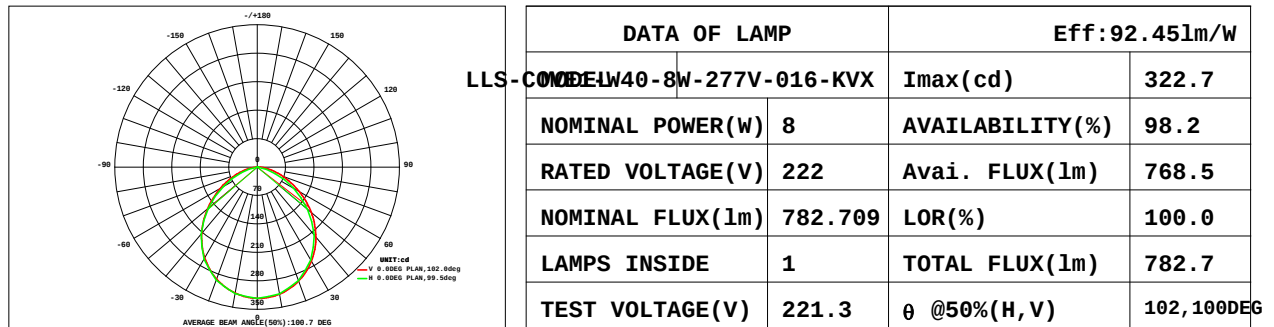
Luminaire Efficiency(Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-07-10

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:221.3V I:0.0415A P:8.466W PF:0.9217 Lamp Flux:782.709x1 lm		
NAME: 8.02.003.0421 LLS-COVE1-W40-8W-277V-016-KVXTYPE:LED	WEIGHT:	
DIM.:	SPEC.:	SERIAL No.:20240700023
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:



VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT: lm				Φ t	Φ a
	90	80	70	60	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60	-70	-80	-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	0.00	0.06	0.19	0.32	0.41	0.42	0.47	0.55	0.60	0.64	0.66	0.62	0.51	0.37	0.22	0.09	0.01	6.11			
	0.00	0.03	0.24	0.53	0.89	1.28	1.66	1.97	2.16	2.20	2.10	1.86	1.52	1.11	0.71	0.37	0.14	0.02	18.8			
	0.00	0.10	0.41	0.89	1.52	2.24	2.96	3.56	3.91	3.97	3.72	3.22	2.55	1.81	1.12	0.56	0.20	0.03	32.8			
	0.00	0.17	0.58	1.27	2.20	3.27	4.33	5.18	5.69	5.75	5.37	4.62	3.62	2.55	1.54	0.75	0.26	0.03	47.2			
	0.01	0.21	0.74	1.63	2.85	4.25	5.59	6.65	7.26	7.32	6.83	5.88	4.61	3.23	1.94	0.93	0.31	0.04	60.3			
	0.01	0.25	0.87	1.93	3.38	5.03	6.58	7.78	8.46	8.52	7.96	6.86	5.39	3.78	2.27	1.08	0.35	0.04	70.5			
	0.02	0.28	0.97	2.16	3.76	5.56	7.23	8.52	9.24	9.30	8.70	7.51	5.92	4.15	2.49	1.18	0.38	0.05	77.4			
	0.02	0.29	1.01	2.26	3.94	5.81	7.54	8.88	9.63	9.69	9.07	7.84	6.19	4.35	2.61	1.24	0.40	0.05	80.8			
	0.01	0.29	1.01	2.26	3.95	5.80	7.54	8.87	9.63	9.69	9.06	7.83	6.18	4.34	2.61	1.23	0.39	0.05	80.7			
	0.01	0.26	0.95	2.13	3.73	5.51	7.18	8.48	9.22	9.28	8.68	7.49	5.91	4.15	2.49	1.18	0.38	0.04	77.1			
	0.01	0.22	0.85	1.91	3.34	4.95	6.49	7.70	8.40	8.47	7.92	6.82	5.36	3.75	2.25	1.07	0.35	0.04	69.9			
	0.01	0.18	0.70	1.58	2.78	4.14	5.47	6.55	7.18	7.26	6.78	5.84	4.57	3.20	1.92	0.92	0.31	0.02	59.4			
	0.00	0.14	0.54	1.23	2.14	3.19	4.23	5.09	5.60	5.68	5.30	4.55	3.57	2.50	1.51	0.74	0.25	0.01	46.2			
	0.00	0.09	0.36	0.84	1.45	2.15	2.85	3.44	3.81	3.88	3.63	3.15	2.50	1.78	1.10	0.55	0.18	0.00	31.8			
	0.00	0.04	0.21	0.47	0.81	1.18	1.53	1.83	2.03	2.09	2.00	1.78	1.46	1.08	0.69	0.37	0.12	0.00	17.7			
	0.00	0.01	0.07	0.17	0.28	0.38	0.45	0.50	0.55	0.58	0.60	0.61	0.56	0.47	0.33	0.20	0.06	0.00	5.83			
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.04	0.05	0.04	0.01	0.00	0.19			
HORIZONTAL (DEG)																						
90	80	70	60	50	40	30	20	10	0	10	20	30	40	50	60	70	80	90				
Φ t	0.10	2.57	9.56	21.5	37.4	55.1	72.0	85.5	93.3	94.3	88.3	76.5	60.5	42.8	26.0	12.6	4.15	0.42	783			
Φ a	0.00	1.27	8.49	20.5	36.4	54.3	71.4	84.9	92.7	93.7	87.7	75.8	59.8	42.0	25.1	11.6	2.96	0.00	769			

one-half-peak spread: U:49.7,D:50.3 , L:51.0,R:51.5

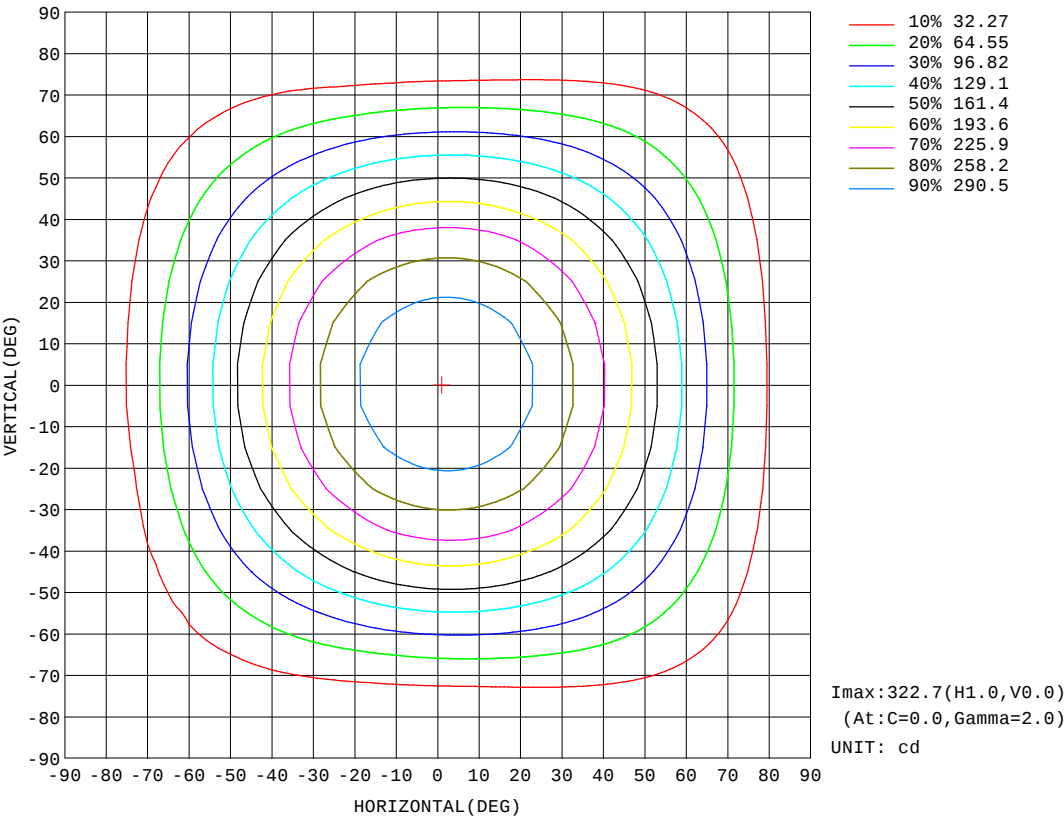
NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-07-10

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:

ISOCANDELA DIAGRAM

Test:U:221.3V I:0.0415A P:8.466W PF:0.9217 Lamp Flux:782.709x1 lm		
NAME: 8.02.003.0421 LLS-COVE1-W40-8W-277V-016-KVXTYPE:LED	WEIGHT:	
DIM.:	SPEC.:	SERIAL No.:20240700023
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

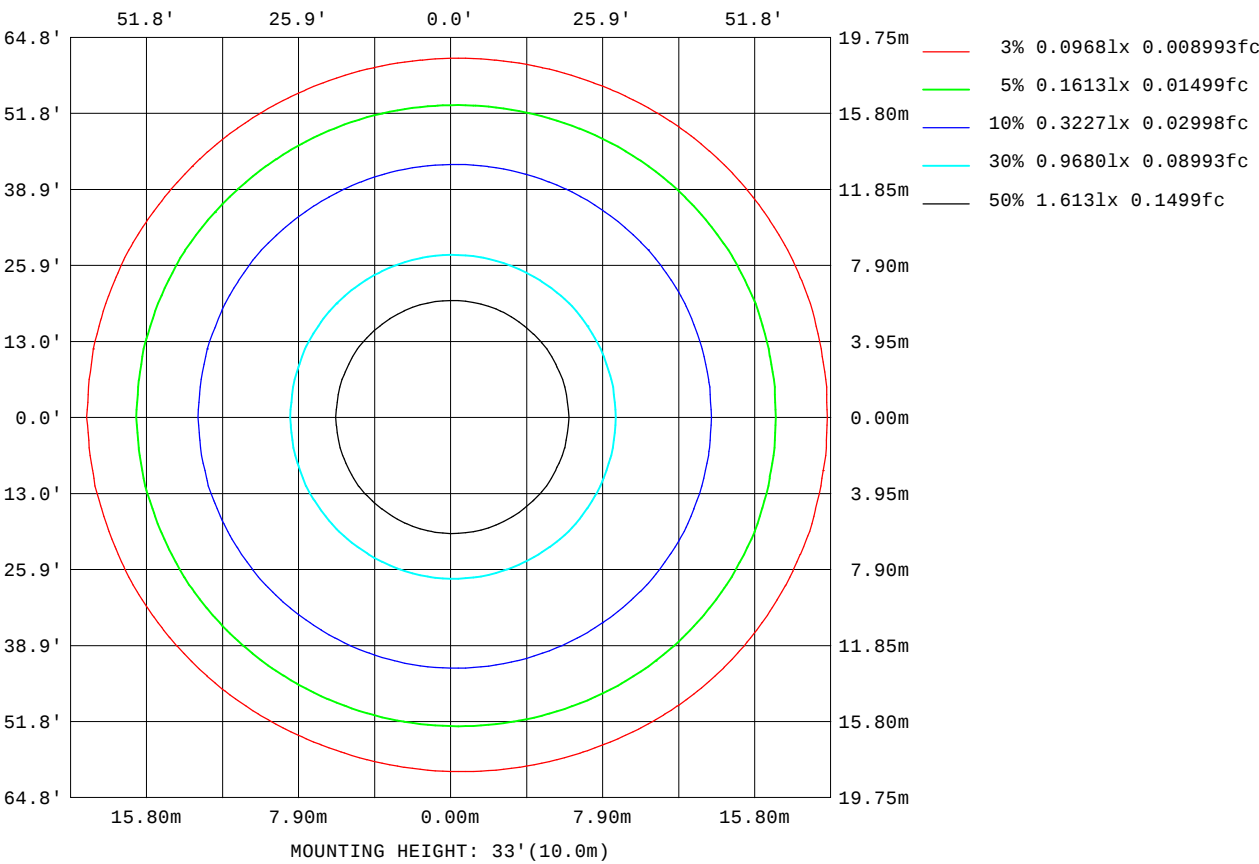


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V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

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NAME: 8.02.003.0421 LLS-COVE1-W40-8W-277V-016-KVXTYPE:LED		WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20240700023
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

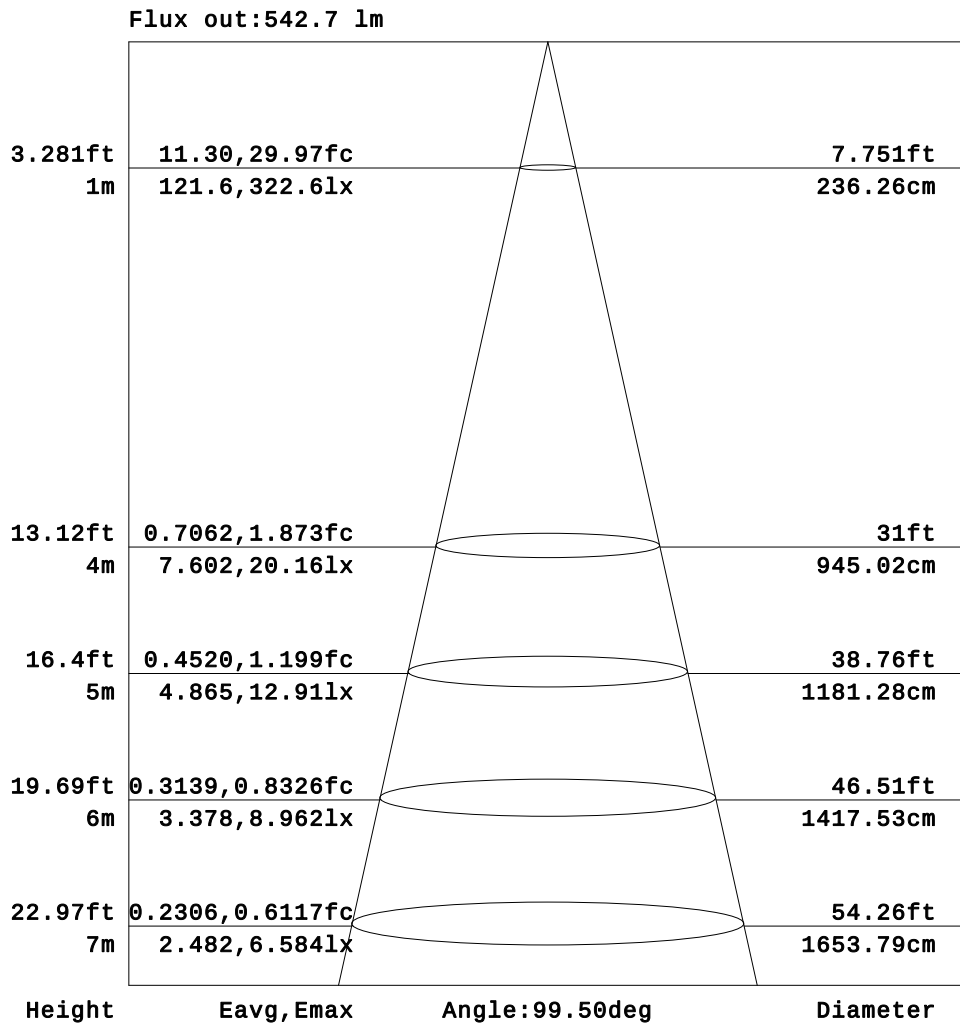


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-07-10

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:221.3V I:0.0415A P:8.466W PF:0.9217 Lamp Flux:782.709x1 lm		
NAME: 8.02.003.0421 LLS-COVE1-W40-8W-277V-016-KVXTYPE:LED	WEIGHT:	
DIM.:	SPEC.:	SERIAL No.:20240700023
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

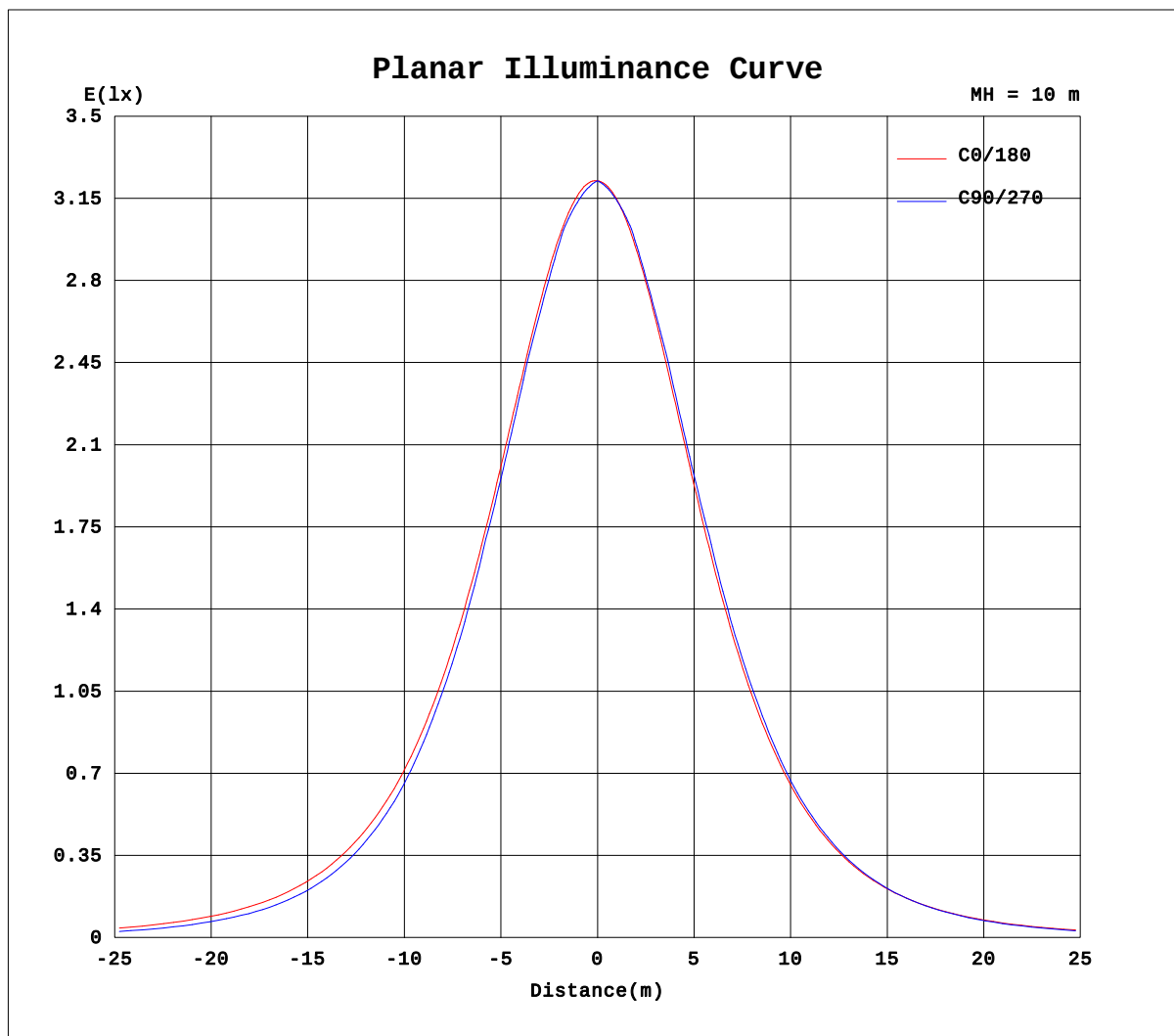


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-07-10

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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Test Date:2024-07-10

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:221.3V I:0.0415A P:8.466W PF:0.9217 Lamp Flux:782.709x1 lm		
NAME: 8.02.003.0421 LLS-COVE1-W40-8W-277V-016-KVXTYPE:LED		WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20240700023
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	0.58	1.74	2.56	2.88	3.00	2.89	2.47	1.84	1.11	0.30	0.00	0.00	0.00	0.00
-75	0.00	0.00	0.00	0.09	3.10	4.99	7.34	9.94	11.8	13.5	14.9	16.1	17.0	17.6	18.1	18.7	19.4	20.0	20.4
-70	0.00	0.00	0.00	0.41	7.16	10.6	14.5	18.2	21.5	24.6	27.5	30.1	32.4	34.3	36.1	37.6	39.0	40.2	41.0
-65	0.00	0.00	0.00	2.99	9.94	15.2	20.7	26.7	32.0	37.3	42.4	47.2	51.6	55.7	59.4	62.7	65.4	67.5	68.8
-60	0.00	0.00	0.00	7.88	15.5	22.3	29.5	37.3	44.7	52.1	59.3	66.1	72.5	78.6	84.1	88.9	92.7	95.4	97.0
-55	0.00	0.00	0.23	8.95	18.2	26.3	36.6	46.4	56.2	66.0	75.7	85.0	93.9	102	110	116	121	125	127
-50	0.00	0.00	2.09	15.6	24.8	34.9	47.5	59.4	71.5	83.8	95.9	108	119	129	138	146	152	156	158
-45	0.00	0.00	1.78	15.2	26.7	39.0	53.5	67.6	82.1	96.8	111	125	139	151	162	171	179	184	186
-40	0.00	0.00	5.55	21.2	32.7	48.5	65.1	81.5	98.6	116	133	149	164	178	190	200	208	213	215
-35	0.00	0.00	5.69	20.0	35.0	51.7	69.1	87.5	107	126	145	163	180	196	209	221	229	235	238
-30	0.00	0.00	11.8	25.0	42.5	60.9	80.3	101	122	144	165	185	203	220	234	245	254	259	262
-25	0.00	0.00	8.50	24.7	43.0	62.1	82.7	105	128	151	174	195	215	232	247	260	269	275	279
-20	0.00	0.00	10.5	29.9	50.6	71.2	93.8	118	143	167	191	213	234	251	266	279	288	293	296
-15	0.00	0.14	10.3	29.9	48.7	69.8	93.0	118	144	169	194	217	239	257	273	286	296	303	305
-10	0.00	3.21	17.4	35.5	54.9	77.3	102	128	155	181	207	230	252	270	286	298	308	313	316
-5	0.00	0.61	13.3	32.7	51.7	74.0	98.6	125	152	179	205	229	251	270	287	300	309	316	319
0	0.00	1.56	19.6	37.0	57.1	80.3	106	132	160	187	213	237	258	277	293	305	314	320	323
5	0.00	0.47	15.2	32.9	52.0	74.3	99.0	125	152	179	205	229	251	271	287	300	310	316	319
10	0.00	0.00	18.3	35.9	55.3	78.0	103	129	155	182	208	231	253	271	287	299	308	314	316
15	0.00	0.36	15.6	31.5	49.6	70.8	94.2	119	145	171	196	219	240	259	275	288	297	303	306
20	0.00	0.72	17.9	33.8	51.9	72.7	95.6	120	145	170	194	216	236	254	269	280	289	295	297
25	0.00	0.36	13.4	28.6	44.9	63.9	84.9	107	130	154	177	199	218	236	251	263	271	278	280
30	0.00	0.00	14.1	29.6	45.1	63.2	83.0	104	126	147	169	189	208	224	238	249	257	262	264
35	0.00	0.00	8.87	24.1	38.3	54.2	71.8	90.5	110	130	149	168	185	201	214	225	233	238	241
40	0.00	0.00	13.0	24.1	37.5	52.1	68.0	84.8	102	120	137	154	169	183	195	204	212	216	218
45	0.00	0.00	3.24	18.8	30.5	42.8	56.4	70.7	85.6	101	116	130	144	156	167	176	183	187	190
50	0.00	0.00	1.53	17.6	28.2	38.8	50.4	62.5	75.0	87.5	99.9	112	123	134	143	150	156	160	162
55	0.00	0.00	0.01	11.9	20.9	30.6	40.0	49.8	59.9	70.0	80.0	89.6	98.8	107	115	121	126	130	132
60	0.00	0.00	0.00	11.6	16.2	26.1	33.4	41.1	48.8	56.5	64.0	71.1	77.9	84.2	89.8	94.5	98.1	100	102
65	0.00	0.00	0.00	4.00	9.13	18.1	23.5	30.1	35.8	41.3	46.7	51.8	56.5	60.8	64.7	68.0	70.7	72.6	73.8
70	0.00	0.00	0.00	0.00	7.01	13.1	16.3	21.4	25.0	28.4	31.6	34.4	36.9	39.0	41.0	42.7	44.2	45.3	46.1
75	0.00	0.00	0.00	0.00	1.25	5.83	7.56	12.0	14.7	16.5	18.2	19.3	19.7	19.6	20.3	21.2	22.1	23.3	23.9
80	0.00	0.00	0.00	0.00	0.00	0.00	0.10	4.43	5.19	5.37	5.35	4.27	2.45	0.13	0.00	0.00	0.91	1.57	1.90
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
Test Date:2024-07-10

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:221.3V I:0.0415A P:8.466W PF:0.9217 Lamp Flux:782.709x1 lm		
NAME: 8.02.003.0421 LLS-COVE1-W40-8W-277V-016-KVXTYPE:LED		WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20240700023
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	0.79	2.26	3.91	5.56	7.10	8.44	9.48	10.2	10.5	10.5	10.1	9.33	8.20	2.61	0.00	0.00	0.00
-75	20.8	21.3	22.1	22.8	23.5	23.8	23.9	23.5	22.7	21.5	19.9	18.0	15.8	13.3	7.47	0.68	0.00	0.00
-70	41.7	42.1	42.2	42.1	41.6	40.7	39.2	37.3	34.8	31.9	28.6	25.1	21.3	17.4	9.22	0.03	0.00	0.00
-65	69.5	69.5	68.8	67.4	65.4	62.8	59.5	55.6	51.0	46.0	40.5	34.9	29.2	23.5	15.5	3.61	0.00	0.00
-60	97.4	96.7	94.9	92.1	88.3	83.7	78.3	72.2	65.3	57.9	50.3	42.5	34.8	27.4	16.7	3.49	0.00	0.00
-55	128	127	124	120	115	108	101	92.7	83.6	73.8	63.7	53.4	43.5	34.0	24.1	8.34	0.00	0.00
-50	158	156	152	146	139	130	121	110	98.1	85.7	73.0	60.4	48.3	37.0	26.2	7.59	0.00	0.00
-45	187	184	180	174	165	155	144	131	117	103	87.6	72.4	57.9	44.3	31.8	15.8	0.01	0.00
-40	215	212	206	198	188	176	162	147	131	114	96.1	78.5	61.9	46.5	32.5	15.1	0.00	0.00
-35	238	236	230	222	212	199	184	167	149	130	111	91.0	72.0	54.4	38.4	23.6	0.91	0.00
-30	262	258	251	242	230	216	199	180	160	139	117	95.7	74.8	55.6	38.4	23.5	0.04	0.00
-25	279	275	269	260	248	233	216	196	175	153	130	106	83.7	62.6	43.7	27.4	5.58	0.00
-20	295	291	283	273	260	244	225	204	182	158	133	108	83.8	61.7	42.1	25.4	2.83	0.00
-15	305	302	295	285	272	256	238	217	193	169	143	117	92.0	68.3	47.3	29.3	12.0	0.00
-10	315	311	303	292	278	261	242	220	196	170	143	116	90.3	66.2	44.9	26.9	10.1	0.00
-5	319	315	308	298	284	268	249	227	203	177	150	123	96.3	71.3	49.2	30.3	14.7	0.00
0	322	317	309	298	284	267	247	225	200	174	146	119	91.9	67.1	45.4	27.0	12.0	0.00
5	319	315	308	298	284	268	249	227	203	177	150	123	96.4	71.4	49.3	30.3	14.7	0.00
10	315	311	303	293	279	262	242	220	196	170	144	117	90.6	66.4	45.0	26.8	12.0	0.00
15	306	303	296	286	273	257	238	217	194	169	144	118	92.3	68.5	47.4	29.2	14.2	0.00
20	296	292	284	274	261	245	226	205	182	158	133	108	84.1	61.8	42.0	25.1	11.3	0.00
25	280	277	270	261	249	234	217	197	176	154	131	107	84.0	62.7	43.6	27.1	13.4	0.00
30	263	260	253	244	232	217	200	181	161	140	118	96.3	75.0	55.6	38.2	23.2	10.6	0.00
35	241	238	232	224	213	201	185	169	151	132	112	91.9	72.5	54.5	38.4	24.2	12.1	0.00
40	218	214	209	201	191	178	164	149	133	115	97.5	79.6	62.6	46.7	32.5	20.0	9.28	0.00
45	190	188	183	176	168	158	146	133	119	104	89.0	73.6	58.7	44.7	31.9	20.4	10.5	0.00
50	161	159	155	149	142	133	123	112	99.9	87.3	74.4	61.6	49.1	37.3	26.4	16.6	7.83	0.00
55	132	130	128	123	118	111	103	94.7	85.2	75.1	64.7	54.2	43.9	34.1	24.8	16.2	8.44	0.00
60	102	101	98.6	95.4	91.2	86.2	80.4	73.8	66.5	58.7	50.9	42.8	34.7	27.0	19.6	12.7	3.49	0.00
65	74.2	73.8	72.8	71.1	68.7	65.7	62.0	57.6	52.6	47.2	41.4	35.4	29.3	23.3	17.5	11.9	3.91	0.00
70	46.5	46.5	46.4	45.9	45.1	43.8	41.9	39.5	36.6	33.3	29.7	25.7	21.5	17.3	13.1	8.89	0.00	0.00
75	24.4	25.0	25.6	26.1	26.5	26.6	26.2	25.5	24.3	22.8	20.8	18.5	16.0	13.2	10.4	5.35	0.31	0.00
80	2.58	3.66	5.03	6.52	7.97	9.27	10.3	11.1	11.4	11.5	11.1	10.4	9.38	8.07	6.55	0.24	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:2024-07-10

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: