

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity (Luminaire orientation as tested.)	416.2 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
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Beam Spread	At 10% of Imax	144.5V x 154.2H
	At 50% of Imax	98.9V x 101.4H
	At 90% of Imax	43.2V x 43.3H

Beam Flux	Total	998.7 lumens per klm.
	To 10% of Imax	978.6 lumens per klm.
	To 50% of Imax	697.4 lumens per klm.
	To 90% of Imax	170.2 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.9 %

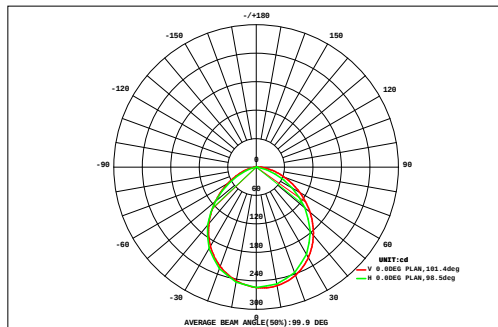
Luminaire Efficiency(Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-05-21

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:241.4V I:0.0592A P:7.400W PF:0.5178 Lamp Flux:613.432x1 lm		
NAME: 8.02.003.0404 LLS-COVE1-W40-L3-DIM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20240500084
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:



DATA OF LAMP		Eff:82.90lm/W	
MODELLS-COVE1-W40-L3-DIM	Imax(cd)	255.3	
NOMINAL POWER(W)	7	AVAILABILITY(%)	98.3
RATED VOLTAGE(V)	242	Avai. FLUX(lm)	602.8
NOMINAL FLUX(lm)	613.432	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	613.4
TEST VOLTAGE(V)	241.4	θ @50%(H,V)	101, 99DEG

		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	0.00		
VERTICAL (DEG)	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	0.03	0.08	0.18	0.29	0.39	0.47	0.55	0.65	0.73	0.76	0.73	0.63	0.47	0.29	0.14	0.03	6.41	3.80		
	70	0.00	0.02	0.12	0.33	0.62	0.96	1.31	1.61	1.83	1.95	1.92	1.75	1.47	1.12	0.75	0.42	0.17	0.03	16.4	15.6		
	60	0.00	0.05	0.24	0.59	1.10	1.70	2.32	2.86	3.23	3.38	3.25	2.88	2.34	1.72	1.10	0.58	0.22	0.04	27.6	27.2		
	50	0.00	0.08	0.35	0.86	1.60	2.48	3.36	4.11	4.61	4.78	4.58	4.02	3.22	2.32	1.45	0.74	0.27	0.05	38.9	38.6		
	40	0.00	0.11	0.46	1.12	2.08	3.20	4.30	5.21	5.79	5.98	5.70	5.00	3.99	2.85	1.76	0.89	0.32	0.05	48.8	48.6		
	30	0.00	0.13	0.55	1.34	2.46	3.76	5.02	6.04	6.69	6.88	6.55	5.74	4.59	3.28	2.02	1.01	0.35	0.05	56.5	56.3		
	20	0.01	0.15	0.62	1.49	2.73	4.14	5.49	6.59	7.27	7.45	7.09	6.22	4.97	3.55	2.19	1.09	0.38	0.06	61.5	61.3		
	10	0.01	0.16	0.65	1.56	2.84	4.30	5.70	6.83	7.53	7.71	7.34	6.43	5.15	3.68	2.27	1.13	0.39	0.06	63.7	63.6		
	0	0.01	0.16	0.64	1.54	2.82	4.27	5.66	6.77	7.46	7.65	7.27	6.38	5.10	3.65	2.25	1.12	0.38	0.06	63.2	63.1		
-30	-10	0.00	0.14	0.60	1.44	2.64	4.02	5.34	6.40	7.07	7.25	6.90	6.06	4.85	3.46	2.13	1.06	0.37	0.05	59.8	59.7		
	-20	0.00	0.12	0.52	1.27	2.33	3.56	4.76	5.75	6.37	6.54	6.22	5.47	4.37	3.11	1.91	0.96	0.34	0.05	53.6	53.5		
	-30	0.00	0.09	0.42	1.03	1.89	2.92	3.94	4.79	5.34	5.51	5.26	4.62	3.69	2.63	1.63	0.83	0.30	0.04	44.9	44.7		
	-40	0.00	0.06	0.30	0.76	1.40	2.18	2.95	3.61	4.05	4.20	4.01	3.53	2.84	2.05	1.28	0.66	0.25	0.02	34.2	33.9		
	-50	0.00	0.03	0.18	0.49	0.90	1.39	1.89	2.32	2.61	2.73	2.65	2.37	1.95	1.44	0.93	0.50	0.19	0.01	22.6	22.1		
	-60	0.00	0.01	0.08	0.23	0.44	0.67	0.91	1.11	1.26	1.35	1.37	1.29	1.12	0.87	0.60	0.34	0.12	0.00	11.8	10.3		
	-70	0.00	0.00	0.00	0.04	0.08	0.13	0.18	0.22	0.26	0.31	0.36	0.41	0.43	0.40	0.32	0.21	0.08	0.00	3.43	0.39		
	-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	0.02	0.04	0.06	0.05	0.01	0.00	0.19	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	0.00		
			-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)					20	30	40	50	60	70	80	90
Φ t	0.04	1.30	5.76	14.2	26.1	40.0	53.5	64.7	71.9	74.3	71.2	62.9	50.8	36.8	23.1	11.9	4.28	0.60	613	---			
Φ a	0.00	0.27	4.75	13.4	25.4	39.3	52.9	64.1	71.4	73.8	70.7	62.4	50.3	36.3	22.6	11.3	3.58	0.13	---	603			

one-half-peak spread: U:47.4,D:52.0 , L:51.9,R:50.1

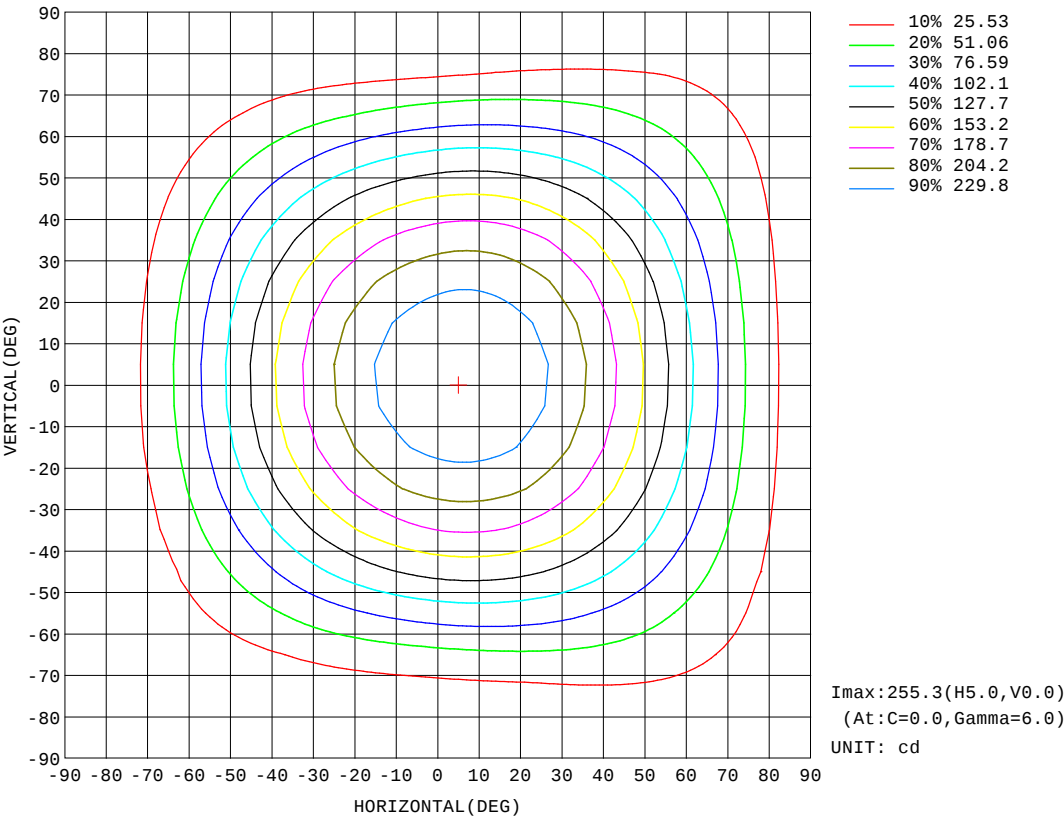
NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-05-21

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:241.4V I:0.0592A P:7.400W PF:0.5178 Lamp Flux:613.432x1 lm		
NAME: 8.02.003.0404 LLS-COVE1-W40-L3-DIM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20240500084
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

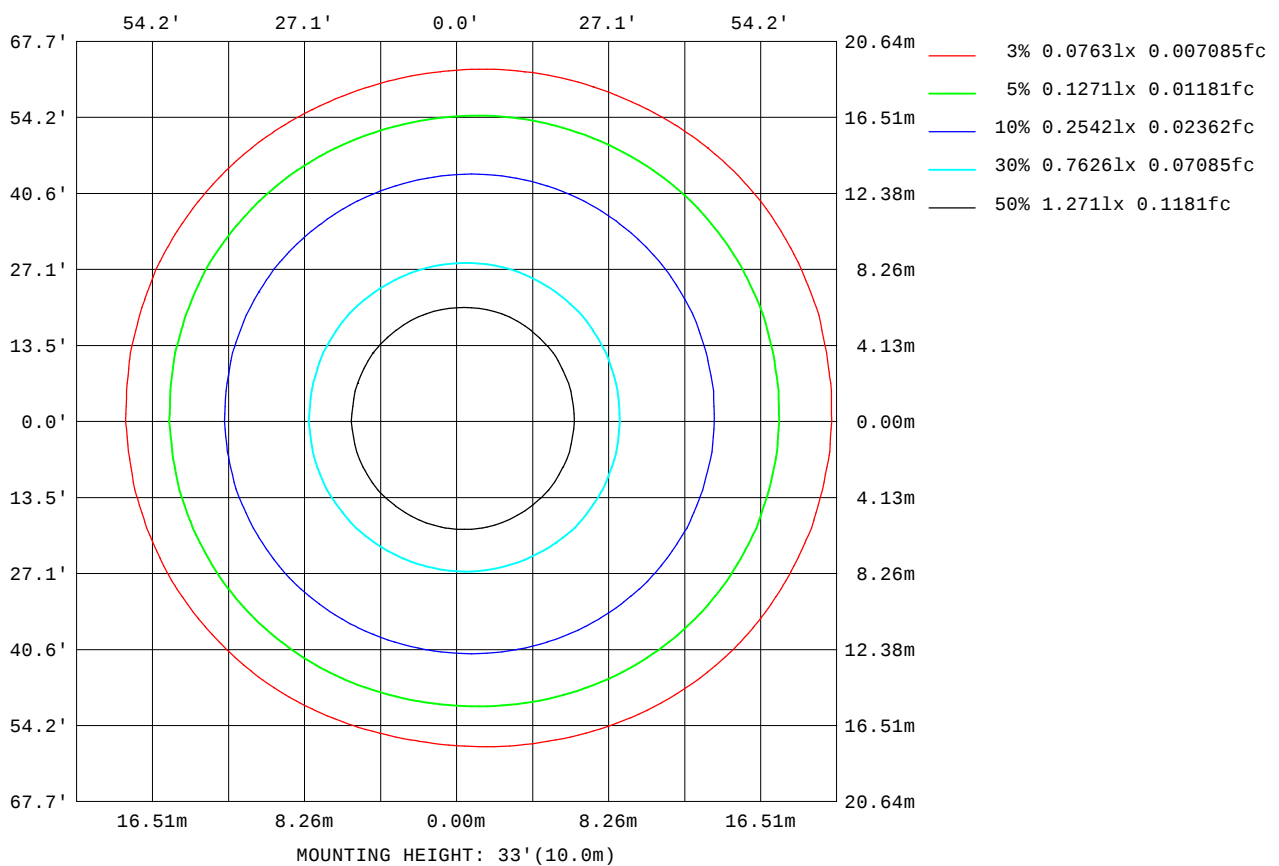


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-05-21

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:

ISOLUX DIAGRAM

Test:U:241.4V I:0.0592A P:7.400W PF:0.5178 Lamp Flux:613.432x1 lm		
NAME: 8.02.003.0404 LLS-COVE1-W40-L3-DIM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20240500084
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

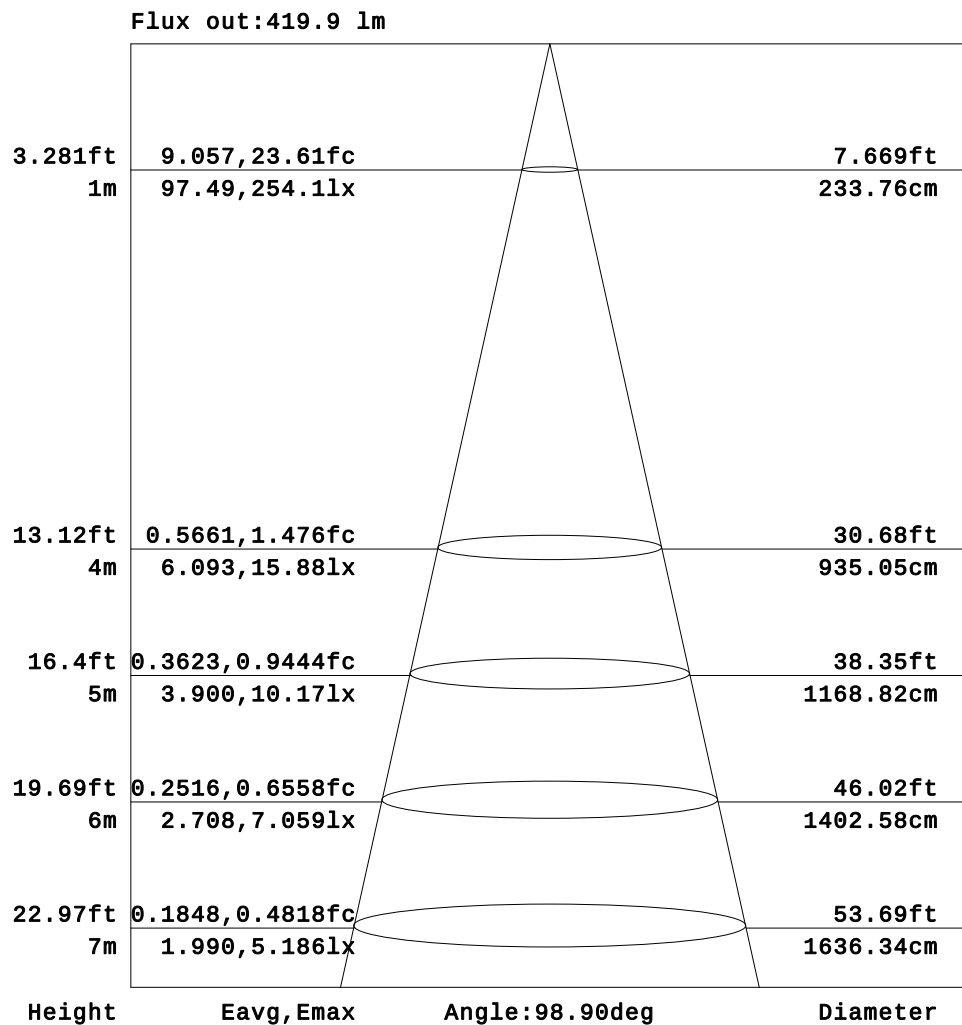


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-05-21

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:241.4V I:0.0592A P:7.400W PF:0.5178 Lamp Flux:613.432x1 lm		
NAME: 8.02.003.0404 LLS-COVE1-W40-L3-DIM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20240500084
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

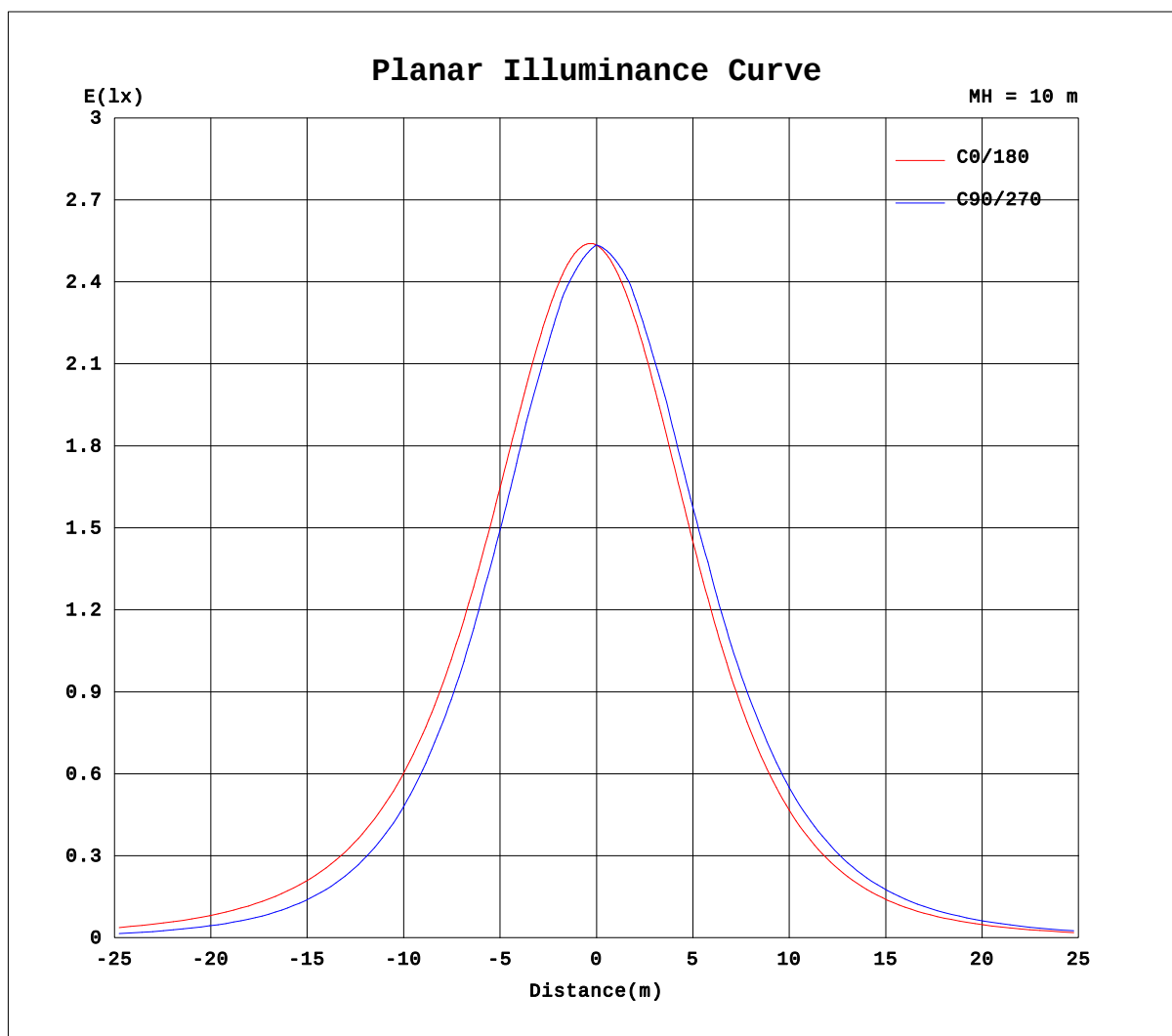


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-05-21

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
Operators:QC1
Test Date:2024-05-21

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:241.4V I:0.0592A P:7.400W PF:0.5178 Lamp Flux:613.432x1 lm																	
NAME: 8.02.003.0404 LLS-COVE1-W40-L3-DIM									TYPE:LED						WEIGHT:		
DIM.:									SPEC.:						SERIAL No.:20240500084		
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	0.46	1.57	2.86	3.91	4.91	5.86	6.73	7.52	8.26	8.94	9.58	10.2	10.8	11.5
-70	0.00	0.00	0.00	0.00	0.00	1.52	3.57	6.14	8.23	10.2	12.1	13.8	15.4	16.8	18.1	19.4	20.7	22.0	23.4
-65	0.00	0.00	0.00	0.00	2.70	5.09	8.49	12.7	16.3	19.9	23.5	26.8	30.0	32.9	35.6	38.0	40.1	42.1	43.8
-60	0.00	0.00	0.00	1.16	6.10	10.1	15.1	20.8	25.9	31.0	36.2	41.1	45.9	50.2	54.1	57.5	60.4	62.9	64.9
-55	0.00	0.00	0.00	2.16	7.99	12.8	19.7	26.9	33.8	40.8	48.0	55.0	61.7	67.9	73.5	78.4	82.5	85.8	88.5
-50	0.00	0.00	0.00	6.24	12.2	18.3	27.5	35.8	44.5	53.5	62.7	71.7	80.2	88.0	95.0	101	106	110	113
-45	0.00	0.00	0.00	5.88	13.3	20.9	31.6	41.8	52.3	63.3	74.5	85.5	95.8	105	114	121	127	132	136
-40	0.00	0.00	1.30	8.96	18.0	28.0	40.0	51.9	64.4	77.7	90.9	104	115	126	136	144	151	156	160
-35	0.00	0.00	1.48	8.90	18.3	29.9	42.9	56.3	70.7	85.5	100	115	128	141	152	161	169	175	179
-30	0.00	0.00	4.28	12.1	22.5	37.0	51.0	66.4	82.8	99.4	116	132	146	160	171	181	189	195	199
-25	0.00	0.00	3.49	11.7	23.7	37.8	52.7	69.3	87.0	105	123	140	156	170	183	193	202	208	213
-20	0.00	0.00	5.74	15.7	29.5	44.3	60.8	79.1	98.5	118	137	155	171	186	199	209	218	224	228
-15	0.00	0.00	4.10	14.8	28.1	43.2	60.1	79.0	99.2	120	139	158	176	191	205	216	225	232	236
-10	0.00	0.00	5.91	18.8	32.4	48.6	66.7	86.9	108	129	150	169	187	202	215	227	235	242	246
-5	0.00	0.00	5.33	16.9	30.2	46.3	64.4	84.6	106	128	149	168	186	203	217	228	238	245	249
0	0.00	0.00	8.46	19.9	34.1	51.1	69.9	90.8	113	134	155	175	193	209	223	234	243	250	254
5	0.00	0.00	6.32	17.1	30.6	46.8	65.2	85.6	107	129	150	170	188	204	218	230	240	247	252
10	0.00	0.09	8.09	19.3	33.2	49.6	68.3	88.9	110	132	152	172	190	206	219	231	240	246	250
15	0.00	0.00	5.91	16.3	29.2	44.7	62.3	81.9	103	123	144	163	181	197	210	222	231	238	243
20	0.00	0.02	7.51	18.0	31.0	46.4	63.8	83.0	103	123	143	161	179	194	207	218	226	233	237
25	0.00	0.00	5.02	14.5	26.2	40.2	56.1	73.7	92.5	112	130	148	165	180	193	204	213	219	224
30	0.00	0.00	5.99	15.3	26.6	40.0	55.2	71.8	89.6	108	125	142	158	172	184	194	202	208	212
35	0.00	0.00	3.67	11.8	21.8	33.7	47.2	61.9	77.9	94.3	110	126	141	154	166	176	184	190	194
40	0.00	0.00	4.35	12.1	21.6	32.5	44.8	58.2	72.7	87.6	102	116	129	141	152	161	168	174	178
45	0.00	0.00	1.97	8.64	16.6	25.9	36.4	47.9	60.2	73.1	85.9	98.2	110	121	131	139	146	151	155
50	0.00	0.00	2.04	8.13	15.2	23.4	32.4	42.3	52.9	63.8	74.7	85.2	95.2	105	113	120	126	131	134
55	0.00	0.00	0.48	5.07	10.9	17.5	24.9	32.9	41.5	50.3	59.2	67.9	76.3	84.1	91.1	97.3	103	107	110
60	0.00	0.00	0.15	4.20	9.09	14.5	20.5	26.9	33.6	40.4	47.2	54.0	60.5	66.4	71.8	76.6	80.7	84.1	86.6
65	0.00	0.00	0.00	1.65	5.18	9.32	13.8	18.6	23.7	28.7	33.8	38.7	43.5	48.0	52.0	55.5	58.7	61.4	63.7
70	0.00	0.00	0.00	0.17	2.87	5.90	9.08	12.4	15.7	19.1	22.3	25.4	28.4	31.1	33.6	35.8	37.9	39.8	41.6
75	0.00	0.00	0.00	0.00	1.14	2.64	4.22	5.98	8.05	10.0	11.9	13.7	15.3	16.7	18.0	19.2	20.4	21.7	23.0
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.39	1.15	1.77	2.23	2.56	2.75	2.86	2.94	3.09	3.41	4.01	4.95
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:2024-05-21

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

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NAME: 8.02.003.0404 LLS-COVE1-W40-L3-DIM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20240500084
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	0.00	0.00	1.83	4.03	6.04	7.78	9.17	10.2	10.8	11.0	11.0	10.6	5.27	0.18	0.00	0.00
-75	12.3	13.0	13.7	14.4	15.6	17.1	18.2	19.0	19.3	19.2	18.6	17.7	16.5	14.9	9.94	2.52	0.00	0.00
-70	24.9	26.3	27.7	29.0	30.0	30.6	30.7	30.3	29.4	28.0	26.1	23.9	21.4	18.6	11.8	2.92	0.00	0.00
-65	45.4	46.6	47.4	47.8	47.7	47.1	45.8	44.0	41.6	38.5	35.1	31.3	27.2	23.0	17.2	6.19	0.00	0.00
-60	66.4	67.2	67.4	66.7	65.3	63.2	60.4	56.8	52.6	47.8	42.6	37.1	31.4	25.7	18.3	5.84	0.00	0.00
-55	90.2	90.8	90.4	89.0	86.6	83.2	78.8	73.6	67.7	61.1	54.0	46.6	39.2	31.8	24.5	12.4	0.70	0.00
-50	114	114	113	110	107	102	95.3	88.2	80.2	71.6	62.5	53.2	43.9	34.9	26.5	12.1	0.04	0.00
-45	138	138	136	133	128	122	114	106	96.0	85.4	74.3	63.2	52.1	41.3	31.2	20.3	2.76	0.00
-40	161	161	158	154	148	140	130	119	108	94.8	81.7	68.7	55.8	43.5	32.1	21.8	1.65	0.00
-35	181	181	178	174	167	159	148	136	123	109	93.8	79.0	64.4	50.4	37.3	25.6	8.17	0.00
-30	200	200	197	191	184	174	162	148	133	117	100.0	83.4	67.3	51.8	37.6	25.1	6.04	0.00
-25	215	214	211	206	198	188	176	161	145	128	110	92.6	74.9	58.0	42.4	28.6	14.7	0.00
-20	229	228	224	218	209	198	184	169	151	133	114	94.5	75.6	57.7	41.3	27.0	13.5	0.00
-15	238	238	234	228	220	209	195	179	161	142	123	103	82.7	63.7	46.1	30.7	17.7	0.00
-10	247	246	242	236	226	214	199	183	164	144	124	103	82.0	62.3	44.4	28.8	15.8	0.00
-5	251	251	247	241	232	220	205	189	170	150	130	108	87.2	66.9	48.2	31.9	18.3	1.91
0	255	254	250	243	233	220	205	188	169	148	127	105	84.1	63.6	45.1	29.2	15.9	0.00
5	254	253	249	243	233	221	207	190	172	152	131	109	88.0	67.4	48.6	32.1	18.4	4.20
10	252	251	247	240	230	218	203	186	167	147	126	104	83.4	63.3	45.0	29.2	16.0	0.00
15	245	244	241	235	226	214	200	184	166	147	126	105	85.0	65.3	47.2	31.3	18.1	4.80
20	238	237	233	226	217	205	191	175	157	138	118	98.1	78.5	59.7	42.6	27.8	15.4	0.00
25	226	225	222	217	208	197	184	169	153	135	116	97.4	78.7	60.7	44.2	29.6	17.3	4.97
30	214	213	210	204	195	185	172	157	141	124	107	89.0	71.5	54.7	39.6	26.2	14.9	0.00
35	196	196	194	189	181	172	161	148	133	118	102	85.5	69.5	54.0	39.8	27.1	16.2	4.81
40	179	179	176	171	164	155	144	132	119	105	90.1	75.6	61.1	47.3	34.6	23.4	13.7	0.00
45	157	158	156	152	146	139	130	119	108	96.1	83.5	70.8	58.0	45.7	34.2	23.9	14.8	4.89
50	136	136	134	131	125	119	111	102	92.8	82.5	71.8	60.8	49.8	39.3	29.5	20.5	12.7	0.04
55	112	112	111	109	105	101	94.7	88.0	80.5	72.3	63.5	54.5	45.4	36.5	28.1	20.3	13.2	4.88
60	88.3	88.7	88.0	86.1	83.5	80.1	75.7	70.7	65.0	58.6	51.7	44.6	37.4	30.2	23.4	17.0	11.1	0.11
65	65.4	66.4	66.5	65.7	64.4	62.5	59.9	56.7	52.8	48.4	43.4	38.1	32.6	27.0	21.6	16.3	11.4	4.26
70	43.1	44.2	44.8	44.9	44.7	44.0	42.9	41.2	39.0	36.2	33.0	29.4	25.6	21.6	17.6	13.6	9.68	0.00
75	24.4	25.7	26.8	27.7	28.5	28.9	29.0	28.7	27.9	26.7	25.0	22.9	20.5	17.9	15.2	12.3	9.45	2.91
80	6.19	7.64	9.24	10.9	12.5	13.9	15.1	16.0	16.4	16.5	16.2	15.5	14.5	13.2	11.7	9.92	8.05	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

$H(\beta)$ Range:-90 - 90DEG
 $H(\beta)$ Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:28.0DEG
 Operators:QC1
 Test Date:2024-05-21

$V(\beta)$ Range:-80 - 80DEG
 $V(\beta)$ Interval: 5.0DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
 Humidity:83%
 Test Distance:8.300m [K=1.0000]
 Remarks: