

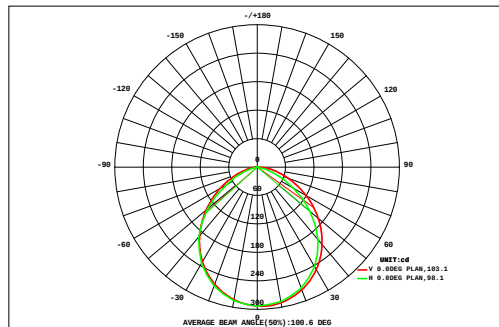
Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity (Luminaire orientation as tested.)		414.4 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of Imax	141.2V x 155.3H
	At 50% of Imax	98.1V x 103.1H
	At 90% of Imax	44.0V x 44.1H
Beam Flux	Total	998.7 lumens per klm.
	To 10% of Imax	977.6 lumens per klm.
	To 50% of Imax	704.5 lumens per klm.
	To 90% of Imax	175.8 lumens per klm.
Upward LOR		0.0 %
Downward LOR		99.9 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.8V I:0.0643A P:7.566W PF:1.000 Freq:50.00Hz Lamp Flux:708.499x1 lm		
NAME: 8.02.003.0405 LLS-COVE1-W40-L3-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2024120089
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:93.64lm/W	
MODELLS-COVE1-W40-L3-DIM	Imax(cd)	293.6	
NOMINAL POWER(W)	7	AVAILABILITY(%)	98.0
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	694.5
NOMINAL FLUX(lm)	708.499	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	708.5
TEST VOLTAGE(V)	220	θ @50%(H,V)	103, 98DEG

VERTICAL (DEG)	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	0.08	0.18	0.28	0.34	0.34	0.32	0.32	0.32	0.31	0.29	0.26	0.22	0.18	0.14	0.07	0.02	0.00	3.69	0.08	
	70	0.02	0.13	0.33	0.60	0.90	1.17	1.37	1.48	1.52	1.48	1.37	1.20	0.98	0.72	0.45	0.21	0.06	0.00	14.0	12.2	
	60	0.03	0.18	0.50	0.98	1.56	2.14	2.66	3.02	3.20	3.16	2.90	2.46	1.91	1.33	0.79	0.37	0.11	0.01	27.3	26.8	
	50	0.03	0.23	0.67	1.37	2.25	3.18	4.03	4.66	4.98	4.94	4.52	3.80	2.91	1.98	1.15	0.52	0.16	0.01	41.4	41.1	
	40	0.04	0.28	0.84	1.74	2.89	4.12	5.25	6.07	6.50	6.45	5.92	4.98	3.81	2.59	1.49	0.67	0.20	0.02	53.9	53.6	
	30	0.04	0.32	0.98	2.05	3.41	4.86	6.17	7.13	7.62	7.57	6.97	5.90	4.54	3.09	1.79	0.80	0.23	0.02	63.5	63.3	
		0.04	0.35	1.09	2.28	3.78	5.38	6.80	7.85	8.40	8.34	7.68	6.53	5.05	3.45	2.00	0.90	0.26	0.02	70.2	70.1	
		0.05	0.37	1.14	2.40	3.98	5.64	7.13	8.22	8.80	8.74	8.06	6.87	5.33	3.65	2.11	0.95	0.27	0.03	73.7	73.6	
		0.04	0.37	1.15	2.42	4.00	5.67	7.16	8.26	8.83	8.77	8.09	6.90	5.35	3.66	2.12	0.95	0.27	0.03	74.0	73.9	
		0.03	0.35	1.10	2.30	3.83	5.43	6.87	7.94	8.50	8.45	7.80	6.64	5.13	3.50	2.03	0.91	0.26	0.02	71.1	71.0	
	-30	0.03	0.31	1.00	2.10	3.48	4.96	6.29	7.29	7.80	7.76	7.14	6.05	4.65	3.16	1.82	0.82	0.24	0.02	64.9	64.8	
	-40	0.03	0.27	0.86	1.79	2.97	4.25	5.41	6.28	6.73	6.68	6.13	5.17	3.95	2.67	1.54	0.69	0.20	0.02	55.6	55.4	
	-50	0.02	0.22	0.69	1.43	2.35	3.34	4.26	4.95	5.28	5.22	4.77	4.00	3.05	2.07	1.19	0.54	0.16	0.01	43.6	43.3	
	-60	0.01	0.17	0.51	1.03	1.66	2.32	2.92	3.36	3.56	3.51	3.20	2.69	2.06	1.42	0.83	0.38	0.11	0.00	29.8	29.3	
	-70	0.00	0.11	0.34	0.65	1.01	1.34	1.62	1.80	1.86	1.81	1.66	1.42	1.12	0.80	0.48	0.23	0.06	0.00	16.3	15.3	
-80	0.00	0.06	0.18	0.32	0.44	0.52	0.54	0.52	0.49	0.46	0.43	0.39	0.35	0.28	0.19	0.09	0.02	0.00	5.28	0.91		
-90	0.00	0.02	0.04	0.05	0.04	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.20	0.00		
-90 -80 -70 -60 -50 -40 -30 -20 HORIZONTAL (DEG) 20 30 40 50 60 70 80 90																						
Φ t	0.41	3.82	11.6	23.8	38.9	54.7	68.8	79.2	84.4	83.6	76.9	65.3	50.4	34.6	20.1	9.13	2.65	0.22	708	---		
Φ a	0.04	2.68	10.7	22.9	38.1	54.0	68.1	78.5	83.6	82.9	76.2	64.5	49.7	33.8	19.2	8.13	1.35	0.00	---	695		

one-half-peak spread: U:50.2,D:48.5 , L:51.6,R:52.1

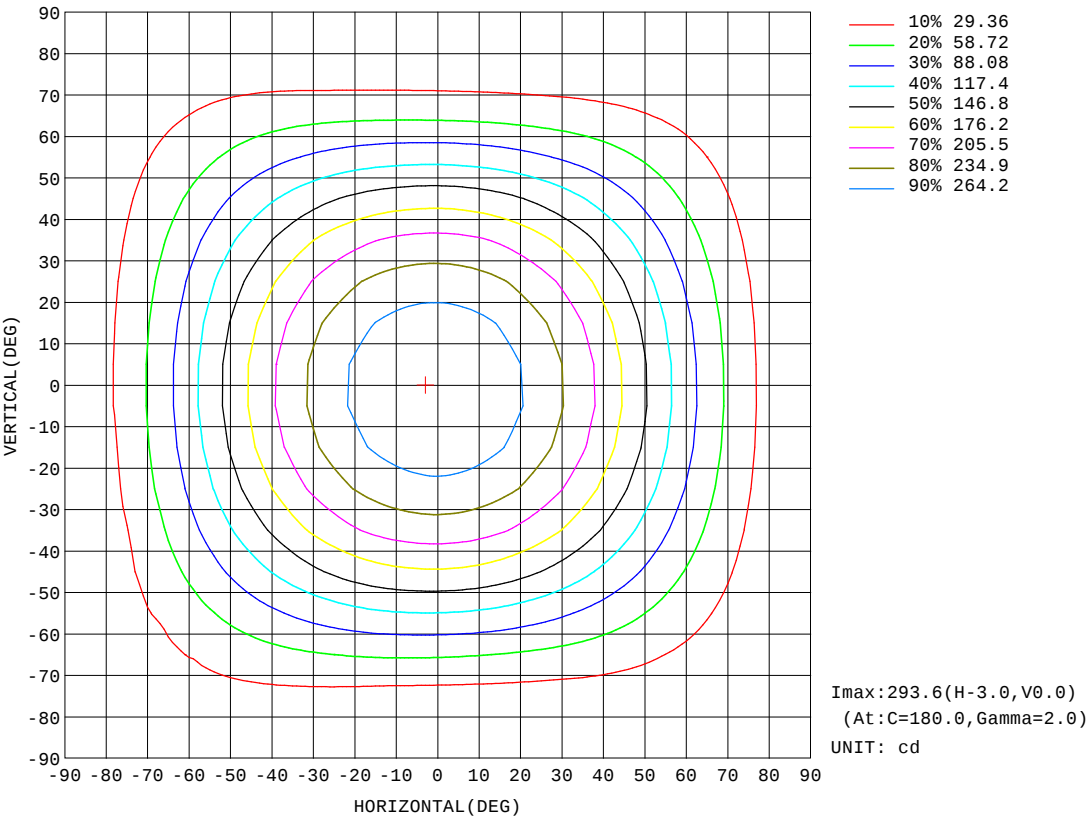
NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-12-23

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.8V I:0.0643A P:7.566W PF:1.000 Freq:50.00Hz Lamp Flux:708.499x1 lm		
NAME: 8.02.003.0405 LLS-COVE1-W40-L3-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2024120089
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:

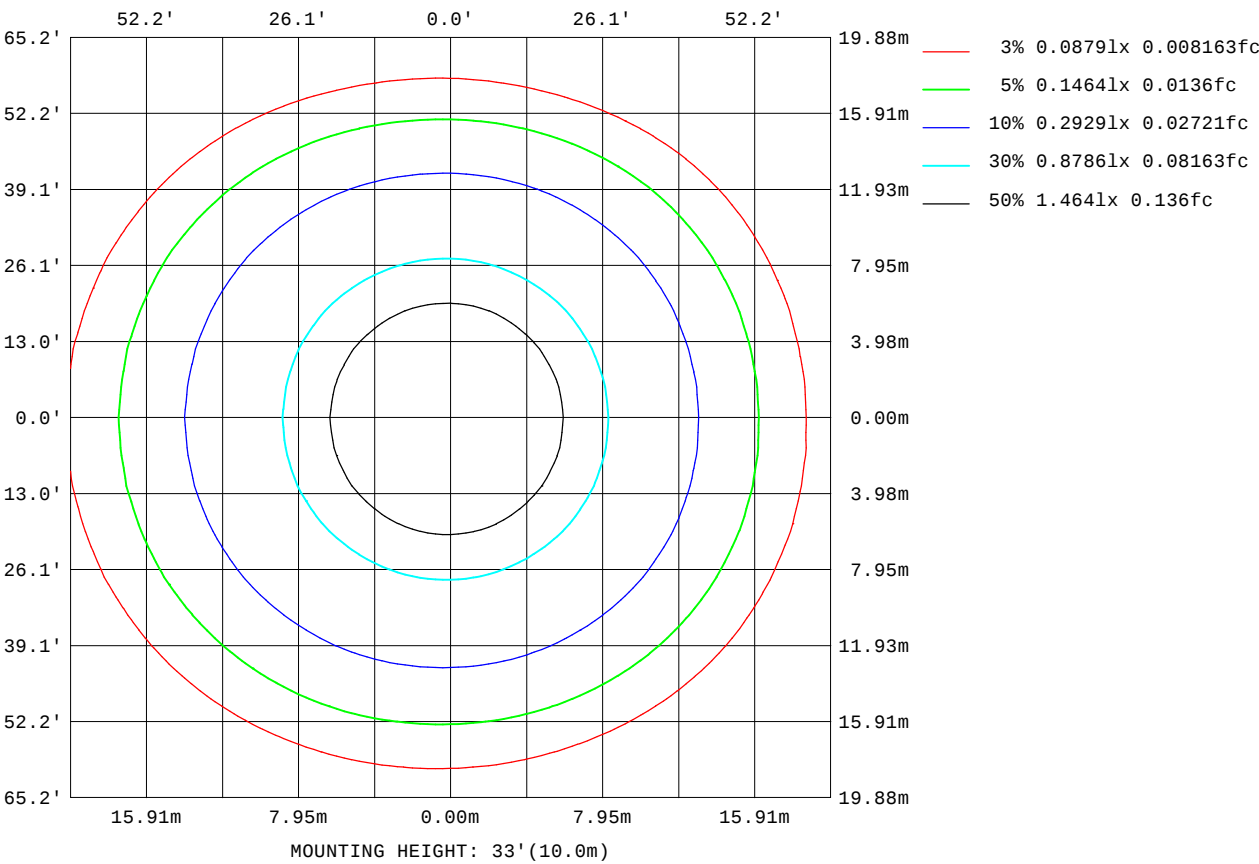


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-12-23

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

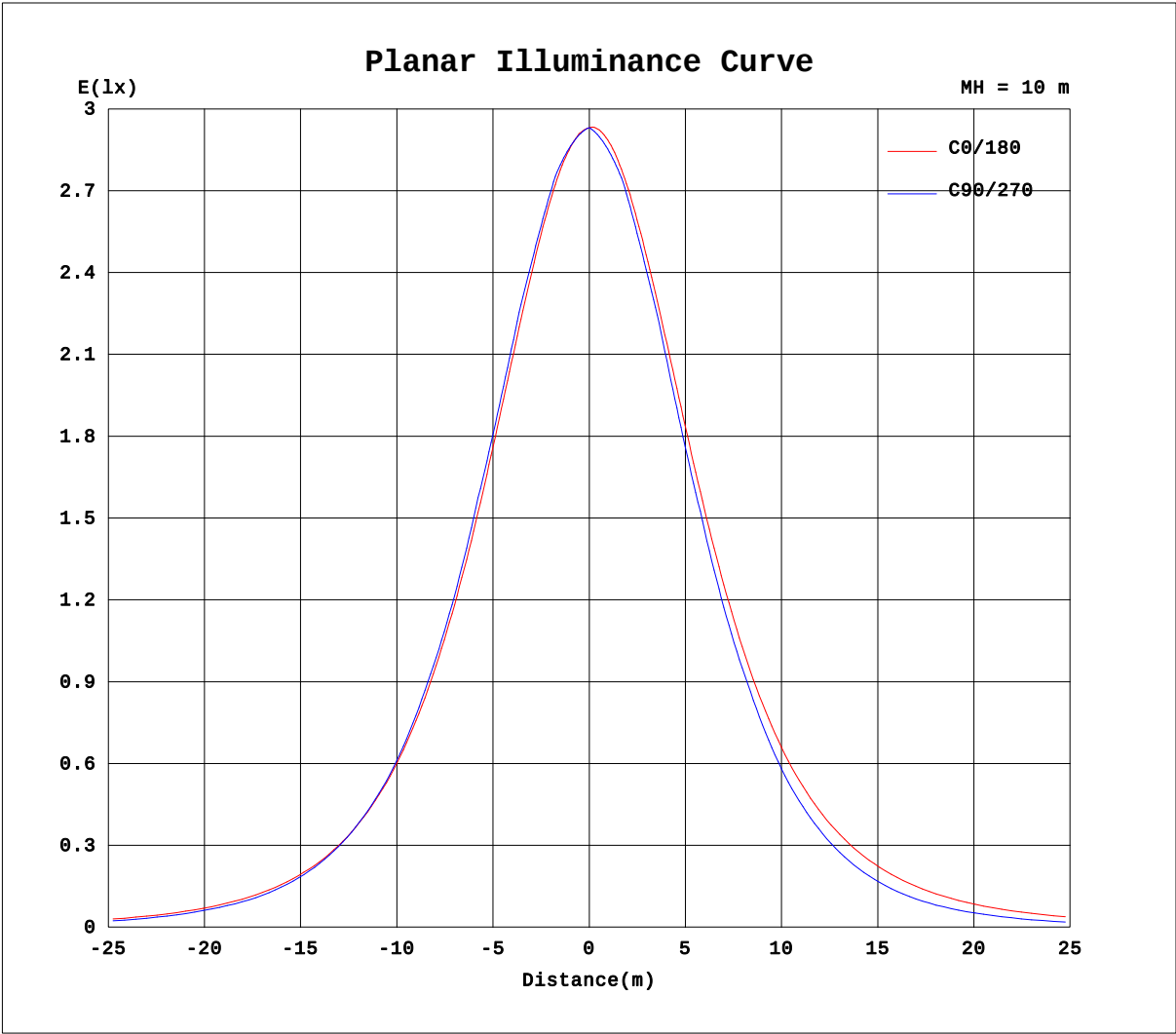
Test:U:220.8V I:0.0643A P:7.566W PF:1.000 Freq:50.00Hz Lamp Flux:708.499x1 lm		
NAME: 8.02.003.0405 LLS-COVE1-W40-L3-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2024120089
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-12-23

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

Planar Illuminance Curve

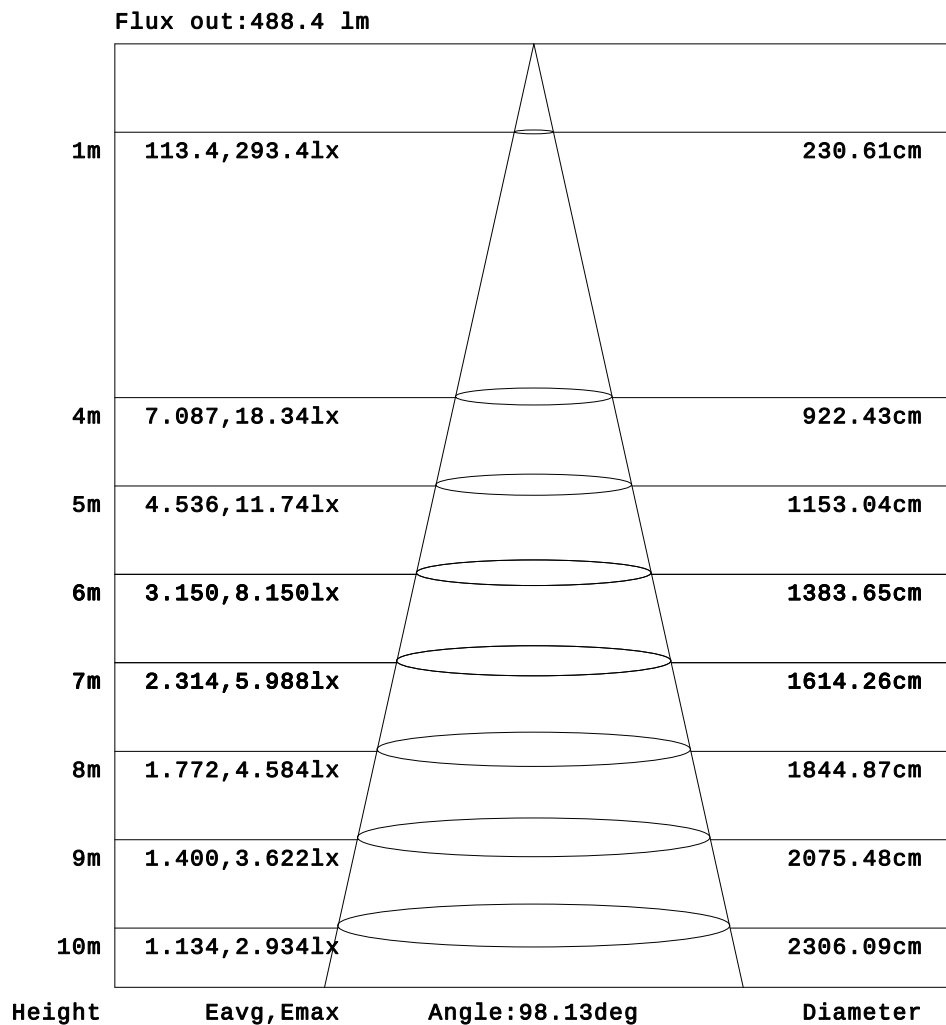


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-12-23

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

AAI Figure

Test:U:220.8V I:0.0643A P:7.566W PF:1.000 Freq:50.00Hz Lamp Flux:708.499x1 lm		
NAME: 8.02.003.0405 LLS-COVE1-W40-L3-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2024120089
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding 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:2024-12-23

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.8V I:0.0643A P:7.566W PF:1.000 Freq:50.00Hz Lamp Flux:708.499x1 lm																	
NAME: 8.02.003.0405 LLS-COVE1-W40-L3-DIM									TYPE:						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:2024120089		
MFR.: TPK OPTOELECTRONIC TECH CO., LTD									SUR.:						Shielding 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	4.28	7.63	8.78	9.65	10.1	10.1	9.54	8.60	7.30	5.77	4.07	2.30	0.47	0.00	0.00	0.00
-75	0.00	0.00	0.01	4.35	11.2	13.4	16.1	17.9	19.8	20.9	21.5	21.7	21.5	21.0	20.2	19.2	18.5	18.2	17.9
-70	0.00	0.00	1.23	12.1	16.9	19.3	23.3	27.7	30.5	32.8	34.6	36.0	36.9	37.3	37.4	37.2	36.7	36.1	35.5
-65	0.00	0.00	0.77	11.9	19.5	24.4	30.4	36.1	41.2	45.8	49.9	53.4	56.3	58.7	60.5	61.7	62.3	62.3	61.8
-60	0.00	0.00	6.91	20.3	25.7	33.9	41.0	48.9	55.7	62.2	68.1	73.3	77.9	81.7	84.7	86.8	88.0	88.2	87.7
-55	0.00	0.00	3.93	19.1	28.3	36.2	46.6	56.6	65.8	75.0	83.5	91.2	98.2	104	109	113	116	117	117
-50	0.00	0.18	12.7	26.5	35.6	48.0	60.1	71.6	83.3	94.7	105	115	124	131	138	142	145	146	146
-45	0.00	0.00	9.90	24.8	36.0	49.6	63.8	77.6	91.6	105	118	130	142	151	160	166	170	173	173
-40	0.00	2.45	21.2	32.5	45.5	62.7	78.5	94.8	111	127	141	155	168	179	187	194	198	200	200
-35	0.00	0.34	16.1	28.8	44.5	61.8	79.2	97.3	116	133	150	166	180	193	203	211	217	220	221
-30	0.00	7.13	23.4	34.4	56.3	74.6	94.2	115	135	154	172	189	204	216	226	234	239	242	242
-25	0.00	2.99	18.1	33.8	52.5	71.5	92.2	114	135	156	176	194	211	224	236	245	252	256	257
-20	0.00	12.8	22.8	44.6	63.4	84.7	107	131	153	175	195	213	229	243	254	263	268	271	272
-15	0.00	5.91	20.4	38.7	57.3	78.5	102	125	149	172	194	213	230	245	258	268	274	279	280
-10	0.01	6.80	29.7	47.2	67.6	90.6	115	140	164	187	208	227	244	258	270	279	285	288	288
-5	0.00	6.55	24.0	40.5	60.0	82.4	107	132	156	180	202	222	240	256	268	278	285	290	291
0	1.18	15.8	30.8	48.7	69.8	93.3	118	144	168	191	213	232	249	264	275	284	290	293	293
5	0.00	7.79	24.0	40.5	60.0	82.2	106	131	156	179	201	222	239	255	267	277	284	289	290
10	1.79	15.4	29.7	47.2	67.4	90.1	114	139	163	185	207	226	243	257	268	277	283	286	286
15	0.00	9.49	23.1	38.8	57.2	78.2	101	125	148	170	191	211	228	243	255	265	271	276	277
20	0.61	14.8	28.4	44.6	63.2	84.1	106	129	151	172	192	210	226	239	250	258	264	267	267
25	0.00	9.58	21.5	35.7	52.2	70.9	91.2	112	133	154	173	191	207	221	232	240	247	250	251
30	0.28	13.5	25.4	39.6	55.6	73.6	92.8	113	132	151	168	184	199	211	221	228	233	235	235
35	0.00	8.77	19.2	31.4	45.3	60.9	77.9	95.5	113	130	147	162	176	188	197	205	210	213	214
40	0.67	12.2	22.2	34.0	47.1	61.5	76.9	92.7	108	123	137	150	163	172	180	186	190	192	192
45	0.00	7.07	16.4	26.2	37.2	49.3	62.3	75.7	89.1	102	114	126	136	145	152	158	162	164	164
50	1.14	10.3	18.2	27.1	36.8	47.3	58.2	69.4	80.4	90.9	101	109	117	124	129	133	135	137	136
55	0.00	4.97	13.4	20.6	28.4	36.8	45.6	54.5	63.2	71.5	79.1	85.9	91.8	96.8	101	104	106	107	107
60	0.86	8.41	14.1	20.3	26.7	33.4	40.1	46.7	52.7	58.3	63.2	67.3	70.7	73.3	75.3	76.5	77.2	77.4	77.0
65	0.00	2.09	10.1	14.8	19.7	24.7	29.6	34.3	38.6	42.3	45.5	48.1	50.0	51.4	52.3	52.8	52.9	52.9	52.5
70	0.08	4.48	9.76	13.2	16.6	20.0	23.0	25.5	27.5	29.0	30.0	30.5	30.6	30.3	29.8	29.2	28.6	28.1	27.5
75	0.00	0.79	4.63	9.01	11.3	13.3	15.0	16.4	17.2	17.5	17.3	16.8	15.9	15.2	15.0	14.7	14.4	14.1	13.9
80	0.00	0.41	4.45	6.72	7.64	8.23	8.38	8.08	7.25	5.99	4.37	2.48	0.46	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
Test Date:2024-12-23

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.8V I:0.0643A P:7.566W PF:1.000 Freq:50.00Hz Lamp Flux:708.499x1 lm		
NAME: 8.02.003.0405 LLS-COVE1-W40-L3-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2024120089
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding 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	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	0.04	1.18	2.32	3.17	3.68	3.89	3.80	3.33	2.58	1.58	0.00	0.00	0.00	0.00	0.00
-75	17.5	17.1	16.7	16.2	15.8	15.5	15.4	15.0	14.2	13.1	11.8	9.99	8.01	5.86	2.94	0.00	0.00	0.00	0.00
-70	34.8	34.0	33.1	32.1	31.0	29.8	28.3	26.3	24.0	21.3	18.4	15.1	11.8	8.36	2.51	0.00	0.00	0.00	0.00
-65	61.0	59.7	57.9	55.7	53.0	50.0	46.7	42.9	38.7	34.1	29.2	24.1	19.0	14.0	9.00	1.70	0.00	0.00	0.00
-60	86.3	84.1	81.1	77.2	72.7	67.7	62.2	56.2	49.8	42.9	35.9	29.0	22.2	15.8	9.80	0.19	0.00	0.00	0.00
-55	116	114	110	105	98.9	92.1	84.6	76.4	67.9	58.8	49.5	40.3	31.3	22.9	15.3	6.86	0.00	0.00	0.00
-50	144	140	135	128	120	111	101	89.9	78.8	67.2	55.6	44.3	33.6	23.7	15.0	4.87	0.00	0.00	0.00
-45	172	168	163	156	147	136	124	112	98.5	84.7	70.7	57.1	44.0	31.9	21.2	12.0	0.84	0.00	0.00
-40	198	193	186	176	165	152	138	123	107	90.9	74.8	59.2	44.4	31.2	19.6	9.87	0.00	0.00	0.00
-35	220	216	209	200	189	176	161	144	127	109	90.8	73.0	56.0	40.4	26.7	15.1	3.91	0.00	0.00
-30	240	234	226	215	202	187	170	152	132	112	92.6	73.0	54.6	38.1	24.0	12.2	1.01	0.00	0.00
-25	256	251	244	234	221	206	189	170	150	129	107	86.4	66.0	47.4	31.2	17.6	6.59	0.00	0.00
-20	269	263	254	243	229	212	193	173	151	128	106	83.3	62.0	43.2	26.9	13.7	2.95	0.00	0.00
-15	279	274	266	256	243	227	208	188	166	143	119	95.8	73.2	52.3	34.3	19.3	7.34	0.00	0.00
-10	285	279	270	259	244	227	208	186	163	138	114	90.0	67.0	46.5	29.0	14.7	3.56	0.00	0.00
-5	289	284	276	266	252	236	217	197	174	149	125	100	76.5	54.6	35.7	20.0	7.57	0.00	0.00
0	290	284	274	262	248	231	211	189	165	141	116	91.1	67.8	46.9	29.1	14.6	3.36	0.00	0.00
5	288	283	275	264	251	235	216	196	173	149	124	99.6	76.0	54.3	35.5	19.8	7.47	0.00	0.00
10	283	277	268	256	242	225	206	184	161	137	113	88.9	66.3	46.0	28.6	14.4	3.39	0.00	0.00
15	275	270	262	252	239	223	205	185	163	141	117	94.2	71.9	51.5	33.7	18.9	7.04	0.00	0.00
20	264	258	249	238	224	208	189	169	148	125	103	81.3	60.6	42.1	26.2	13.2	2.87	0.00	0.00
25	249	245	238	228	216	201	184	166	146	126	105	84.0	64.2	46.1	30.3	17.0	6.24	0.00	0.00
30	232	227	219	209	196	182	165	147	128	109	89.7	70.5	52.8	36.9	23.1	11.6	2.40	0.00	0.00
35	212	208	202	193	182	169	155	139	122	105	87.7	70.3	53.8	38.8	25.6	14.4	5.12	0.00	0.00
40	189	185	178	169	158	146	132	118	103	87.3	71.7	56.6	42.5	29.8	18.7	9.26	1.51	0.00	0.00
45	163	160	155	148	139	129	118	106	93.9	80.8	67.4	54.3	41.9	30.4	20.2	11.3	3.72	0.00	0.00
50	135	131	126	120	113	104	95.0	84.9	74.5	63.5	52.6	41.9	31.7	22.4	14.1	6.89	0.79	0.00	0.00
55	106	104	100	96.2	91.0	85.0	78.4	71.1	63.3	55.0	46.3	37.8	29.4	21.4	14.3	7.81	2.17	0.00	0.00
60	75.8	73.9	71.3	68.2	64.6	60.6	56.2	51.2	45.6	39.5	33.2	26.5	20.5	14.5	9.00	4.04	0.11	0.00	0.00
65	51.8	50.7	49.3	47.5	45.6	43.4	40.9	37.9	34.4	30.6	26.4	21.8	17.2	12.6	8.25	4.19	0.67	0.00	0.00
70	26.9	26.4	25.9	25.4	24.9	24.2	23.2	22.0	20.3	18.4	16.0	13.2	10.2	7.18	4.17	1.28	0.00	0.00	0.00
75	13.6	13.3	13.0	12.8	12.6	12.2	11.8	11.2	10.8	10.3	9.37	8.08	6.47	4.63	2.71	1.21	0.02	0.00	0.00
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.97	1.58	1.83	1.74	1.29	0.55	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
Test Date:2024-12-23

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks: