

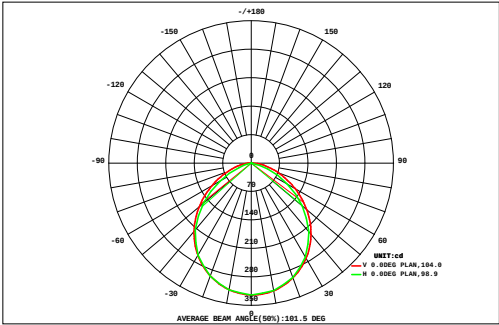
Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity (Luminaire orientation as tested.)		407.3 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of Imax	142.4V x 157.4H
	At 50% of Imax	98.9V x 104.0H
	At 90% of Imax	43.9V x 44.5H
Beam Flux	Total	998.6 lumens per klm.
	To 10% of Imax	977.8 lumens per klm.
	To 50% of Imax	703.0 lumens per klm.
	To 90% of Imax	175.0 lumens per klm.
Upward LOR		0.0 %
Downward LOR		99.9 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.9V I:0.0655A P:7.735W PF:1.000 Freq:50.00Hz Lamp Flux:795.885x1 lm		
NAME: 8.02.003.0404 LLS-COVE1-W40-L3-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2024120090
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:102.89lm/W	
MODELLS-COVE1-W40-L3-DIM	Imax(cd)	324.1	
NOMINAL POWER(W)	7	AVAILABILITY(%)	98.0
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	780.3
NOMINAL FLUX(lm)	795.885	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	795.9
TEST VOLTAGE(V)	220	θ @50%(H,V)	104, 99DEG

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	0.00
80	0.01	0.08	0.19	0.29	0.36	0.37	0.35	0.37	0.37	0.37	0.37	0.37	0.40	0.39	0.32	0.20	0.09	0.02	4.90	0.02
70	0.02	0.13	0.34	0.63	0.95	1.26	1.51	1.66	1.74	1.75	1.68	1.54	1.30	0.99	0.66	0.35	0.14	0.02	16.7	15.4
60	0.03	0.18	0.51	1.02	1.65	2.30	2.90	3.36	3.61	3.61	3.38	2.95	2.36	1.69	1.05	0.53	0.19	0.03	31.4	30.9
50	0.03	0.24	0.70	1.44	2.39	3.42	4.39	5.14	5.55	5.55	5.16	4.43	3.47	2.43	1.47	0.72	0.25	0.04	46.8	46.5
40	0.04	0.29	0.87	1.84	3.09	4.44	5.71	6.68	7.21	7.21	6.69	5.73	4.47	3.11	1.86	0.89	0.30	0.04	60.5	60.2
30	0.04	0.33	1.02	2.17	3.65	5.24	6.71	7.84	8.45	8.45	7.85	6.74	5.27	3.67	2.18	1.04	0.34	0.04	71.0	70.9
20	0.05	0.36	1.13	2.41	4.05	5.80	7.40	8.61	9.28	9.27	8.62	7.41	5.82	4.06	2.42	1.14	0.37	0.05	78.2	78.1
10	0.05	0.38	1.19	2.54	4.25	6.09	7.75	9.01	9.70	9.69	9.02	7.77	6.10	4.27	2.54	1.20	0.38	0.05	82.0	81.8
0	0.04	0.38	1.20	2.55	4.27	6.11	7.77	9.03	9.72	9.72	9.04	7.79	6.12	4.28	2.55	1.20	0.38	0.05	82.2	82.0
-10	0.04	0.36	1.13	2.41	4.06	5.83	7.44	8.67	9.34	9.35	8.70	7.49	5.88	4.10	2.45	1.15	0.37	0.05	78.8	78.7
-20	0.03	0.32	1.03	2.19	3.68	5.30	6.80	7.94	8.57	8.58	7.97	6.84	5.35	3.72	2.22	1.05	0.34	0.04	72.0	71.8
-30	0.02	0.27	0.87	1.86	3.12	4.51	5.82	6.83	7.38	7.40	6.87	5.89	4.60	3.20	1.91	0.91	0.31	0.04	61.8	61.6
-40	0.01	0.22	0.70	1.48	2.47	3.56	4.58	5.38	5.82	5.84	5.42	4.64	3.62	2.52	1.52	0.74	0.26	0.03	48.8	48.5
-50	0.01	0.16	0.51	1.07	1.76	2.49	3.18	3.71	4.01	4.02	3.73	3.21	2.54	1.80	1.11	0.56	0.20	0.01	34.1	33.6
-60	0.00	0.10	0.33	0.67	1.07	1.46	1.80	2.04	2.17	2.16	2.03	1.80	1.48	1.10	0.71	0.38	0.13	0.00	19.5	18.5
-70	0.00	0.05	0.17	0.32	0.47	0.58	0.62	0.60	0.59	0.59	0.59	0.61	0.58	0.49	0.36	0.21	0.07	0.00	6.91	1.79
-80	0.00	0.01	0.04	0.05	0.05	0.03	0.01	0.00	0.00	0.00	0.00	0.01	0.03	0.06	0.06	0.05	0.01	0.00	0.41	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
Φ t	0.41	3.86	11.9	24.9	41.3	58.8	74.7	86.9	93.5	93.6	87.1	75.2	59.4	41.9	25.4	12.3	4.12	0.51	796	---
Φ a	0.01	2.53	10.8	23.9	40.4	58.0	74.0	86.1	92.8	92.8	86.4	74.4	58.6	41.0	24.4	11.3	2.83	0.02	---	780

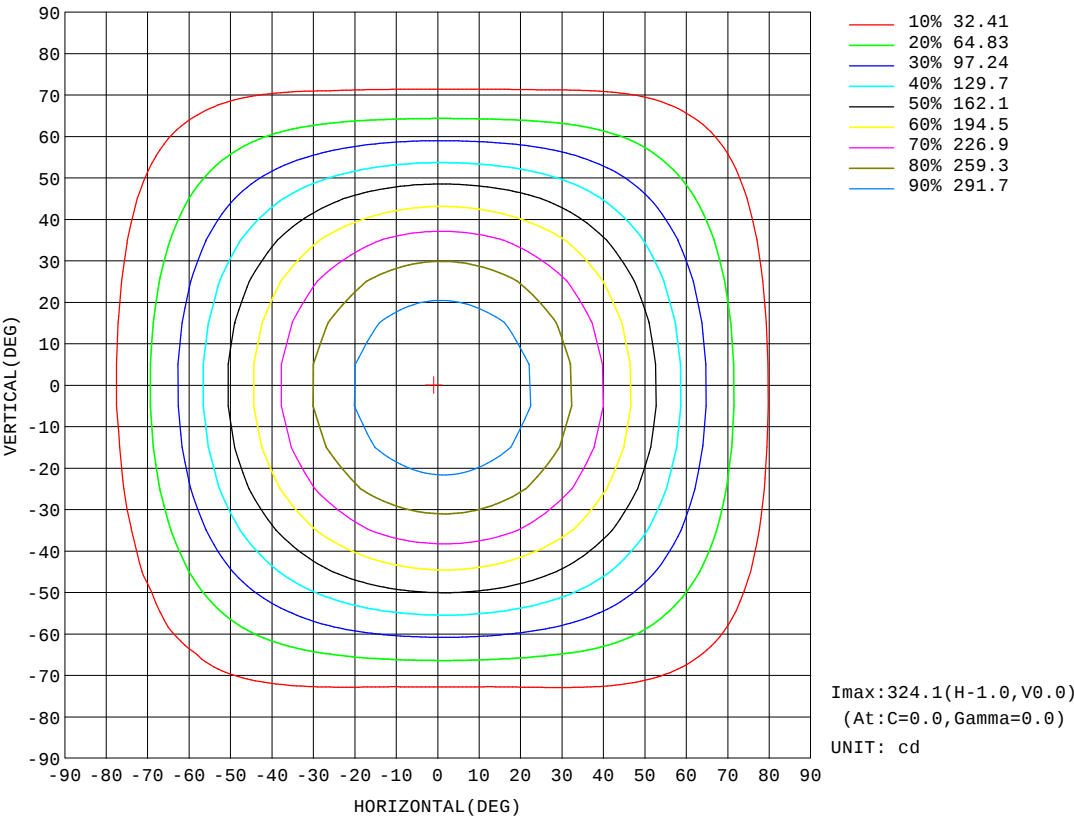
one-half-peak spread: U:50.6,D:48.9 , L:52.4,R:52.2 NEMA Beam Type: Type 7

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:220.9V I:0.0655A P:7.735W PF:1.000 Freq:50.00Hz Lamp Flux:795.885x1 lm		
NAME: 8.02.003.0404 LLS-COVE1-W40-L3-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2024120090
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:

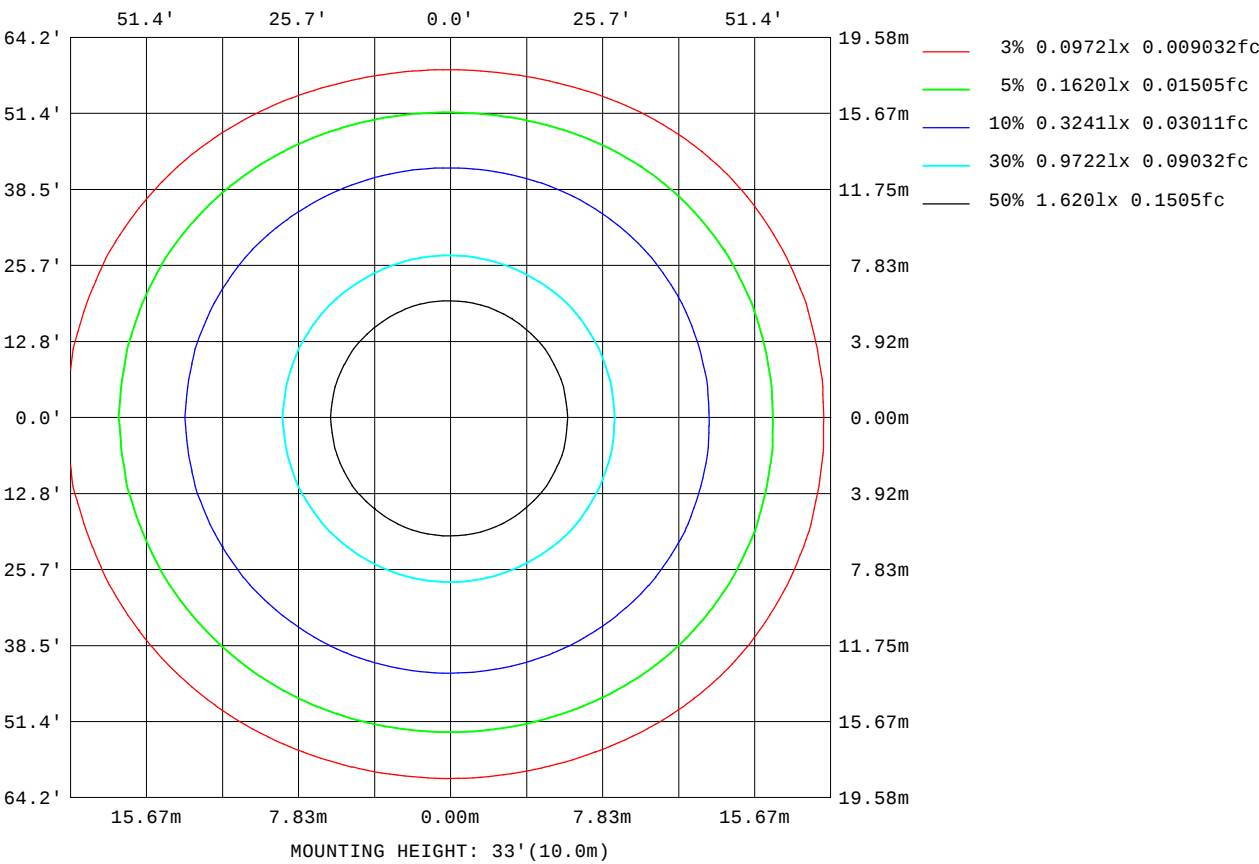


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-12-23

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

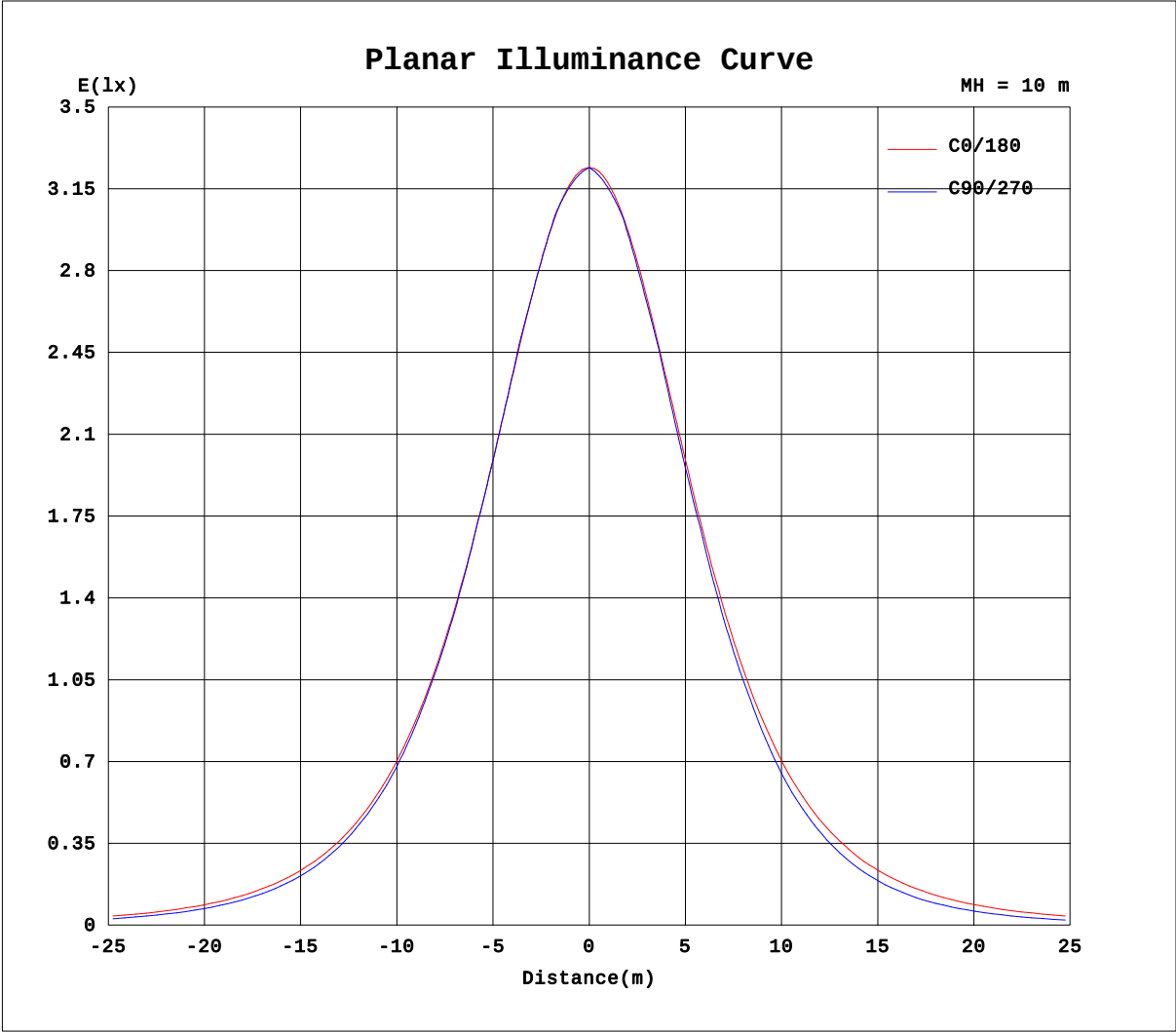
Test:U:220.9V I:0.0655A P:7.735W PF:1.000 Freq:50.00Hz Lamp Flux:795.885x1 lm		
NAME: 8.02.003.0404 LLS-COVE1-W40-L3-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2024120090
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:



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

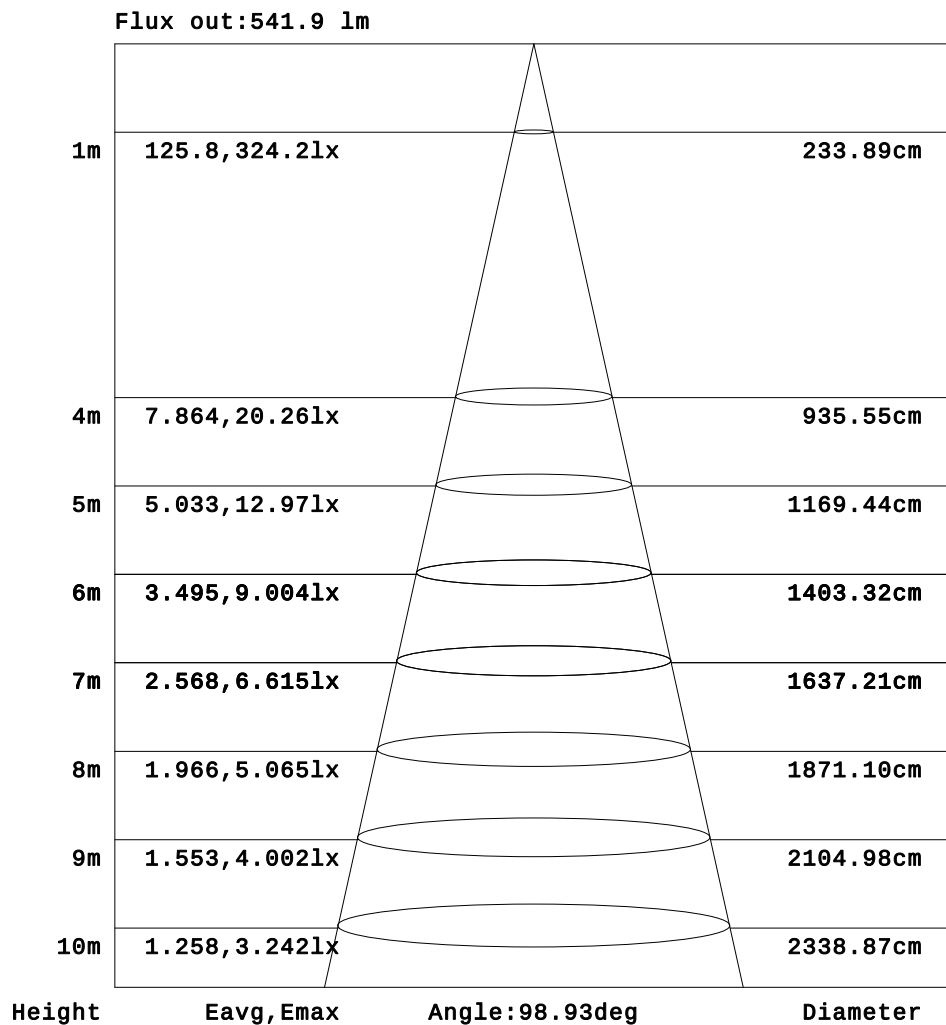


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-12-23

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:220.9V I:0.0655A P:7.735W PF:1.000 Freq:50.00Hz Lamp Flux:795.885x1 lm		
NAME: 8.02.003.0404 LLS-COVE1-W40-L3-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2024120090
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:220.9V I:0.0655A P:7.735W PF:1.000 Freq:50.00Hz Lamp Flux:795.885x1 lm		
NAME: 8.02.003.0404 LLS-COVE1-W40-L3-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2024120090
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	2.96	6.91	8.53	9.58	10.2	10.6	10.4	9.59	8.27	6.58	4.64	2.62	0.79	0.00	0.00	0.00
-75	0.00	0.00	0.00	3.35	10.4	12.7	15.8	18.2	20.6	22.2	23.3	23.8	24.0	23.6	22.9	22.1	21.4	21.4	21.4
-70	0.00	0.00	0.90	10.6	16.0	18.8	23.4	28.4	31.9	35.0	37.5	39.6	41.1	42.0	42.5	42.7	42.8	42.8	42.8
-65	0.00	0.00	0.57	10.8	18.4	24.1	30.1	36.9	42.9	48.4	53.4	57.9	61.8	64.9	67.5	69.5	70.9	71.8	72.2
-60	0.00	0.00	6.00	19.1	25.0	33.7	41.6	50.5	58.5	66.1	73.0	79.4	85.2	90.1	94.2	97.4	99.8	101	102
-55	0.00	0.00	3.55	18.6	26.6	36.8	47.1	58.2	68.7	79.0	88.6	97.6	106	113	120	125	129	131	133
-50	0.00	0.15	12.0	26.0	35.0	47.8	61.4	74.3	87.3	99.8	112	123	133	142	150	156	160	163	164
-45	0.00	0.00	8.99	24.4	34.8	50.1	65.0	80.1	95.6	111	125	139	152	163	173	181	187	190	192
-40	0.00	2.48	19.7	32.2	44.8	63.6	80.6	98.3	116	133	150	165	180	192	202	211	217	220	221
-35	0.00	0.31	15.2	29.5	44.2	62.6	81.2	101	121	140	159	176	193	207	220	229	237	242	244
-30	0.00	6.21	23.2	36.7	56.9	76.3	97.4	119	141	162	182	201	218	233	245	255	262	266	267
-25	0.00	2.62	18.8	35.3	53.3	73.4	95.6	119	142	165	186	207	226	242	256	267	275	281	283
-20	0.00	12.2	23.2	45.6	65.4	87.8	112	137	161	185	208	229	247	263	276	287	294	298	299
-15	0.00	5.32	21.3	39.5	58.9	81.2	106	131	157	182	206	228	248	266	280	292	301	306	309
-10	0.01	8.55	30.0	48.2	69.6	93.8	120	147	173	199	223	244	264	280	294	305	313	317	318
-5	0.00	6.09	24.2	41.3	61.8	85.3	111	138	165	191	216	239	260	277	292	304	313	319	321
0	1.12	16.0	31.3	50.1	72.2	97.1	124	151	178	205	229	251	270	287	300	311	319	323	324
5	0.00	7.57	24.4	41.5	61.9	85.4	111	138	165	191	216	239	259	277	291	303	312	318	320
10	1.44	15.5	30.3	48.5	69.8	94.0	120	147	173	198	222	244	263	279	293	304	311	316	317
15	0.00	9.44	23.5	39.7	59.1	81.4	106	131	157	182	206	227	247	264	278	290	299	304	307
20	0.66	15.0	28.9	45.8	65.5	87.8	112	137	161	185	207	227	245	261	274	284	291	295	296
25	0.00	9.50	21.8	36.5	53.9	73.8	95.6	119	142	164	186	206	224	240	253	264	272	277	279
30	0.20	13.6	25.8	40.6	57.6	76.8	97.5	119	141	161	181	199	216	230	241	251	257	261	262
35	0.00	8.66	19.5	32.1	46.7	63.3	81.4	101	120	139	157	174	190	204	215	225	232	236	238
40	0.60	12.3	22.7	34.8	48.7	64.0	80.6	97.8	115	132	148	162	176	188	197	205	211	214	214
45	0.00	6.97	16.7	26.8	38.2	51.1	64.9	79.5	94.2	109	122	135	147	157	166	174	179	183	184
50	0.96	10.3	18.4	27.6	37.9	49.0	60.8	72.9	85.1	96.7	108	118	127	135	142	147	151	153	154
55	0.00	4.56	13.5	20.9	29.1	38.0	47.4	57.0	66.5	75.7	84.4	92.2	99.2	105	111	115	118	120	121
60	0.29	8.39	14.3	20.6	27.4	34.5	41.6	48.7	55.5	61.8	67.5	72.5	76.8	80.5	83.5	85.8	87.4	88.3	88.5
65	0.00	1.84	10.1	15.0	20.1	25.4	30.6	35.6	40.3	44.6	48.4	51.6	54.2	56.2	57.9	59.1	59.9	60.3	60.5
70	0.00	4.23	9.80	13.4	17.0	20.5	23.6	26.4	28.7	30.6	32.0	32.9	33.3	33.4	33.2	33.1	32.8	32.6	32.6
75	0.00	0.79	4.51	9.10	11.5	13.6	15.4	16.8	17.8	18.3	18.4	18.1	17.5	16.7	16.7	16.6	16.4	16.3	16.3
80	0.00	0.72	3.82	6.79	7.77	8.34	8.45	8.16	7.37	6.17	4.66	2.86	0.89	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:220.9V I:0.0655A P:7.735W PF:1.000 Freq:50.00Hz Lamp Flux:795.885x1 lm		
NAME: 8.02.003.0404 LLS-COVE1-W40-L3-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2024120090
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
-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	0.04	1.53	3.47	5.51	7.51	9.28	10.7	11.6	12.1	12.1	11.6	10.8	9.63	3.30	0.00	0.00	0.00
-75	21.4	21.4	21.7	22.6	23.5	24.2	24.7	24.7	24.2	23.1	21.6	19.7	17.4	14.9	10.6	2.18	0.00	0.00
-70	42.8	42.7	42.6	42.4	42.1	41.4	40.3	38.5	36.0	33.1	29.7	26.0	22.1	18.1	10.5	0.76	0.00	0.00
-65	72.1	71.4	70.2	68.6	66.6	64.2	61.1	57.4	52.9	47.8	42.3	36.6	30.8	24.9	18.9	7.39	0.07	0.00
-60	101	99.2	96.6	93.4	89.3	84.6	79.2	72.9	65.8	58.1	50.3	42.5	34.7	27.2	19.8	4.71	0.00	0.00
-55	132	131	127	123	118	111	104	95.3	86.0	76.0	65.5	55.2	45.2	35.6	26.5	15.5	0.93	0.00
-50	163	160	155	149	141	132	122	110	98.3	85.4	72.5	59.9	47.9	36.5	26.2	12.9	0.00	0.00
-45	192	189	185	178	169	159	147	134	120	105	89.5	74.3	59.7	46.1	33.6	22.4	4.72	0.00
-40	219	215	209	201	190	177	163	147	130	112	94.3	76.8	60.4	45.3	31.7	19.9	0.36	0.00
-35	243	240	234	226	215	202	187	170	151	132	112	92.3	73.3	55.7	40.0	26.2	11.4	0.00
-30	265	260	253	243	230	215	198	178	158	136	114	92.2	71.7	53.1	36.6	22.5	5.55	0.00
-25	282	279	272	262	250	235	217	198	177	154	131	107	84.3	63.4	45.0	28.9	15.4	0.01
-20	297	292	284	273	258	241	222	200	177	153	128	103	79.5	58.4	39.7	23.9	10.5	0.00
-15	308	304	297	286	273	257	238	217	194	169	144	118	92.1	68.9	48.4	30.7	16.2	0.83
-10	316	311	302	291	276	258	238	216	191	165	138	111	85.3	62.3	42.2	25.2	11.4	0.00
-5	320	316	309	298	284	268	249	227	203	177	150	123	95.9	71.4	49.9	31.5	16.4	2.69
0	322	316	307	295	280	262	242	219	194	167	140	112	86.2	62.6	42.1	24.9	11.1	0.00
5	319	315	308	297	283	267	248	226	202	176	149	122	95.6	71.1	49.6	31.3	16.2	3.89
10	314	309	300	288	274	257	236	214	189	163	137	110	84.7	61.6	41.7	24.8	11.2	0.00
15	305	301	294	284	271	255	236	215	192	167	142	116	91.1	67.9	47.5	30.1	15.7	4.05
20	294	288	280	269	255	239	219	198	175	151	126	102	78.3	57.2	38.8	23.2	10.5	0.00
25	278	274	267	258	246	231	214	194	173	151	128	105	82.5	61.8	43.6	27.9	14.8	4.01
30	260	255	248	238	225	210	193	174	154	133	111	89.9	69.6	51.3	35.2	21.4	10.0	0.00
35	237	234	228	220	209	196	181	165	147	128	109	89.4	70.8	53.5	38.2	24.8	13.4	3.84
40	213	208	202	194	183	171	157	141	125	108	90.9	73.9	57.7	43.1	29.9	18.5	8.89	0.00
45	183	181	176	170	162	152	141	128	115	100	85.7	71.1	57.0	43.7	31.6	20.9	11.7	3.60
50	152	150	146	140	133	125	115	105	93.1	81.1	68.9	56.8	45.2	34.4	24.4	15.6	7.87	0.00
55	121	119	117	113	109	103	96.3	88.7	80.3	71.2	61.6	51.9	42.4	33.2	24.6	16.7	9.72	3.30
60	87.9	86.8	85.2	82.9	79.9	76.2	71.7	66.3	60.3	53.6	46.6	39.3	32.0	24.9	18.2	12.1	6.46	0.00
65	60.4	60.1	59.6	58.8	57.6	55.9	53.6	50.7	47.3	43.1	38.4	33.4	28.0	22.6	17.3	12.3	7.60	2.93
70	32.7	33.0	33.4	33.9	34.0	33.9	33.5	32.5	31.0	29.0	26.3	23.2	19.7	16.1	12.4	8.72	5.16	0.00
75	16.3	16.4	16.6	16.9	17.0	17.8	18.7	19.2	19.4	19.1	18.2	16.8	15.0	12.8	10.4	7.96	5.43	2.43
80	0.00	0.00	0.00	0.00	0.51	2.51	4.44	6.17	7.62	8.62	9.09	9.10	8.58	7.70	6.55	5.17	3.67	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:2024-12-23

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: