

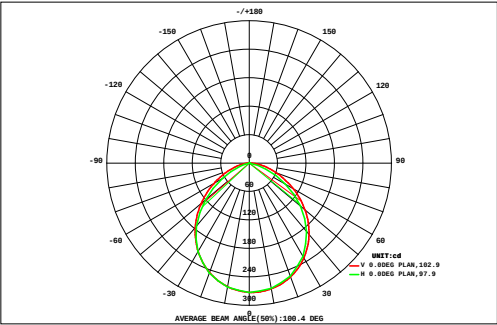
Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity (Luminaire orientation as tested.)		414.9 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of Imax	141.2V x 154.8H
	At 50% of Imax	97.9V x 103.0H
	At 90% of Imax	43.8V x 44.6H
Beam Flux	Total	998.4 lumens per klm.
	To 10% of Imax	977.8 lumens per klm.
	To 50% of Imax	705.3 lumens per klm.
	To 90% of Imax	178.1 lumens per klm.
Upward LOR		0.0 %
Downward LOR		99.8 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:221.0V I:0.0648A P:7.651W PF:1.000 Freq:50.00Hz Lamp Flux:656.984x1 lm		
NAME: 8.02.003.0449 LLS-COVE1-W40-L3-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2024120091
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:85.87lm/W	
MODELLS-COVE1-W40-L3-DIM	Imax(cd)	272.6	
NOMINAL POWER(W)	7	AVAILABILITY(%)	97.9
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	643.5
NOMINAL FLUX(lm)	656.984	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	657.0
TEST VOLTAGE(V)	220	θ @50%(H,V)	103, 98DEG

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	0.00	0.06	0.14	0.22	0.26	0.24	0.25	0.25	0.25	0.24	0.22	0.20	0.17	0.13	0.09	0.04	0.01	0.00	2.77	0.00
70	0.01	0.11	0.28	0.52	0.78	1.01	1.15	1.23	1.25	1.21	1.12	0.98	0.80	0.58	0.36	0.17	0.05	0.00	11.6	8.78
60	0.02	0.16	0.44	0.87	1.39	1.91	2.35	2.66	2.80	2.74	2.51	2.12	1.65	1.15	0.68	0.32	0.09	0.01	23.9	23.4
50	0.03	0.21	0.60	1.24	2.04	2.88	3.65	4.20	4.46	4.40	4.02	3.38	2.58	1.76	1.02	0.47	0.14	0.01	37.1	36.8
40	0.03	0.25	0.76	1.59	2.65	3.78	4.82	5.57	5.94	5.89	5.40	4.55	3.47	2.35	1.35	0.61	0.18	0.01	49.2	49.0
30	0.04	0.29	0.89	1.88	3.15	4.49	5.71	6.60	7.04	6.99	6.43	5.45	4.18	2.84	1.64	0.73	0.21	0.02	58.6	58.4
20	0.04	0.32	1.00	2.11	3.51	5.00	6.32	7.29	7.79	7.73	7.12	6.05	4.67	3.18	1.84	0.82	0.24	0.02	65.0	64.9
10	0.04	0.33	1.05	2.22	3.70	5.25	6.64	7.65	8.17	8.12	7.49	6.38	4.93	3.38	1.95	0.87	0.25	0.02	68.5	68.3
0	0.04	0.34	1.05	2.24	3.73	5.29	6.67	7.69	8.20	8.16	7.53	6.41	4.96	3.40	1.96	0.88	0.25	0.02	68.8	68.7
-10	0.03	0.32	1.01	2.13	3.56	5.07	6.41	7.41	7.91	7.87	7.26	6.17	4.77	3.26	1.89	0.85	0.24	0.02	66.2	66.1
-20	0.03	0.29	0.93	1.95	3.26	4.65	5.90	6.83	7.30	7.24	6.65	5.63	4.33	2.95	1.70	0.76	0.22	0.02	60.6	60.5
-30	0.02	0.25	0.80	1.67	2.80	4.00	5.11	5.92	6.33	6.26	5.73	4.84	3.70	2.51	1.44	0.65	0.19	0.01	52.2	52.0
-40	0.01	0.20	0.64	1.35	2.23	3.18	4.07	4.71	5.02	4.96	4.53	3.80	2.89	1.95	1.12	0.51	0.15	0.01	41.3	41.1
-50	0.00	0.15	0.47	0.98	1.60	2.26	2.85	3.28	3.49	3.44	3.12	2.62	2.00	1.36	0.79	0.36	0.10	0.00	28.9	28.5
-60	0.00	0.10	0.32	0.64	1.00	1.35	1.64	1.84	1.91	1.86	1.69	1.44	1.12	0.78	0.47	0.22	0.06	0.00	16.4	15.5
-70	0.00	0.05	0.17	0.32	0.46	0.56	0.60	0.58	0.54	0.51	0.47	0.43	0.38	0.29	0.18	0.09	0.02	0.00	5.64	1.62
-80	0.00	0.01	0.04	0.06	0.06	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.24	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	0.34	3.41	10.6	22.0	36.2	51.0	64.1	73.7	78.4	77.6	71.3	60.4	46.6	31.9	18.5	8.35	2.38	0.17	657	---
Φ a	0.00	2.39	9.75	21.2	35.5	50.3	63.5	73.0	77.6	76.8	70.5	59.6	45.8	31.2	17.7	7.46	1.17	0.00	---	644

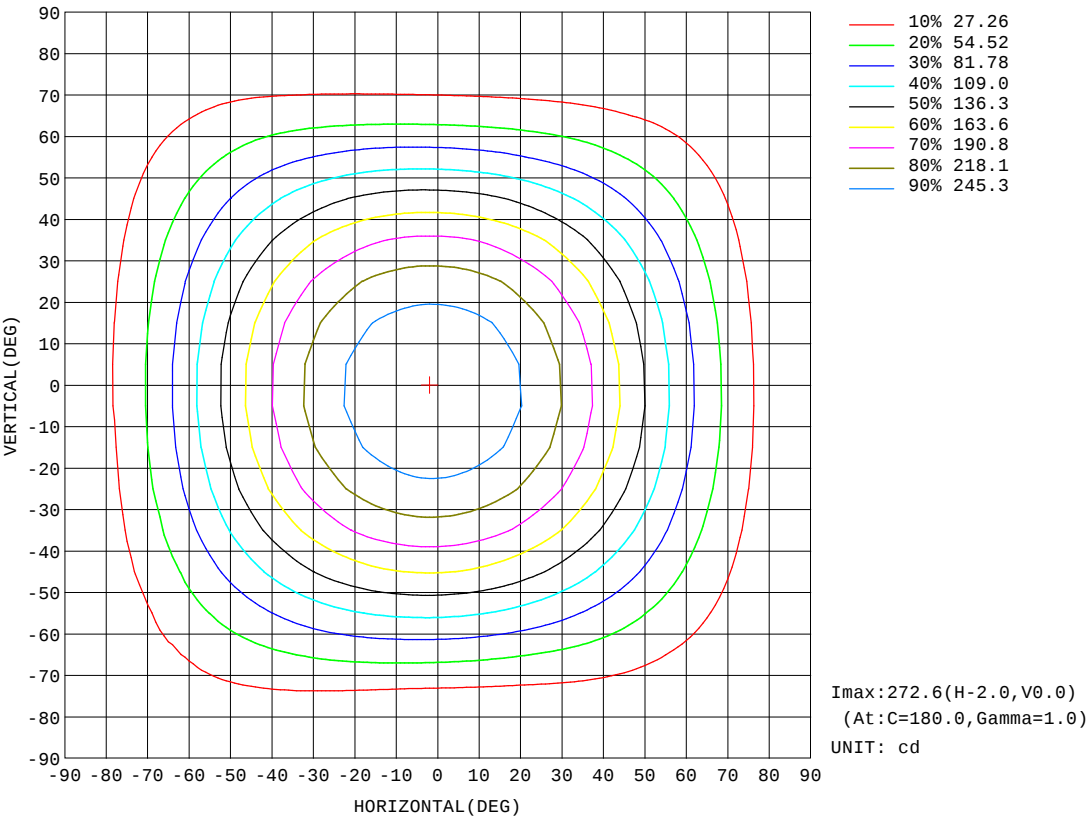
one-half-peak spread: U:51.2,D:47.3 , L:52.1,R:51.5 NEMA Beam Type: Type 7

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

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

ISOCANDELA DIAGRAM

Test:U:221.0V I:0.0648A P:7.651W PF:1.000 Freq:50.00Hz Lamp Flux:656.984x1 lm		
NAME: 8.02.003.0449 LLS-COVE1-W40-L3-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2024120091
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:

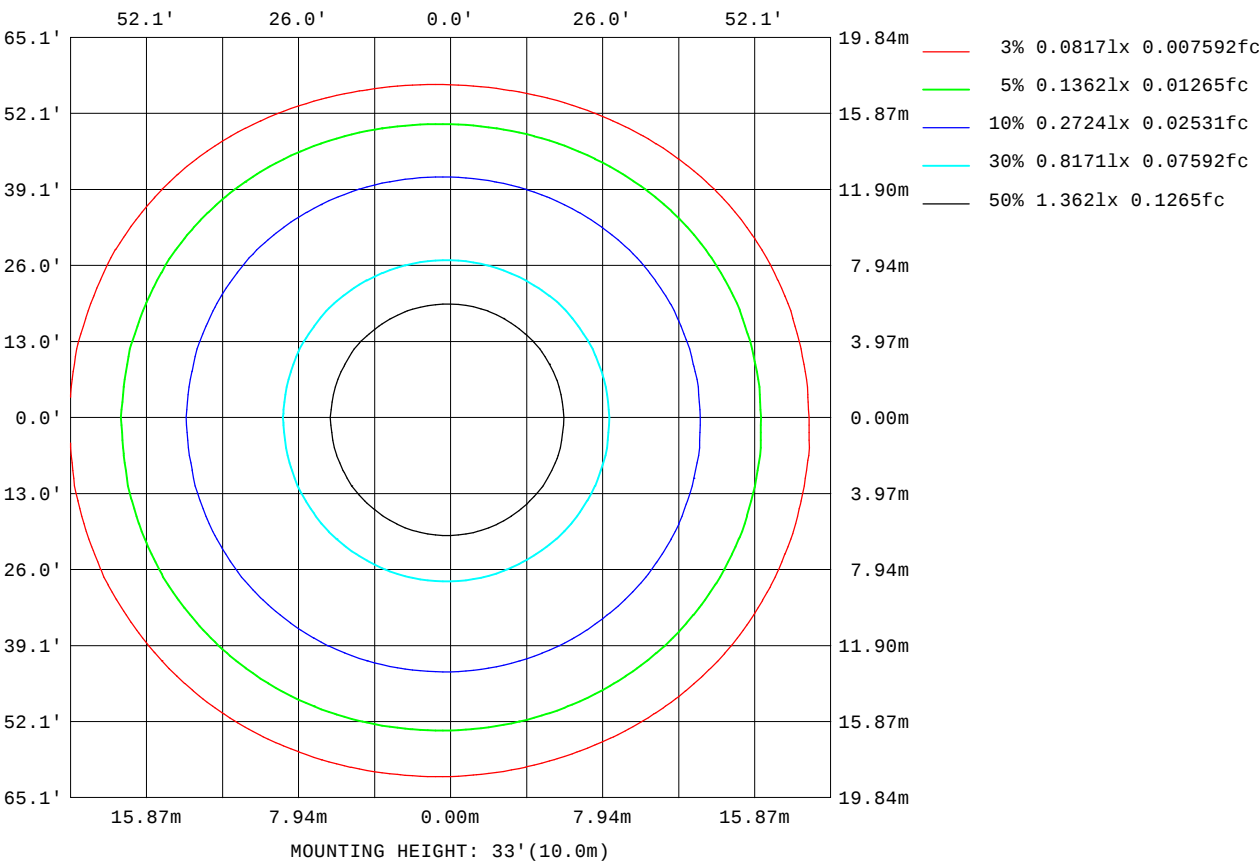


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-12-23

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

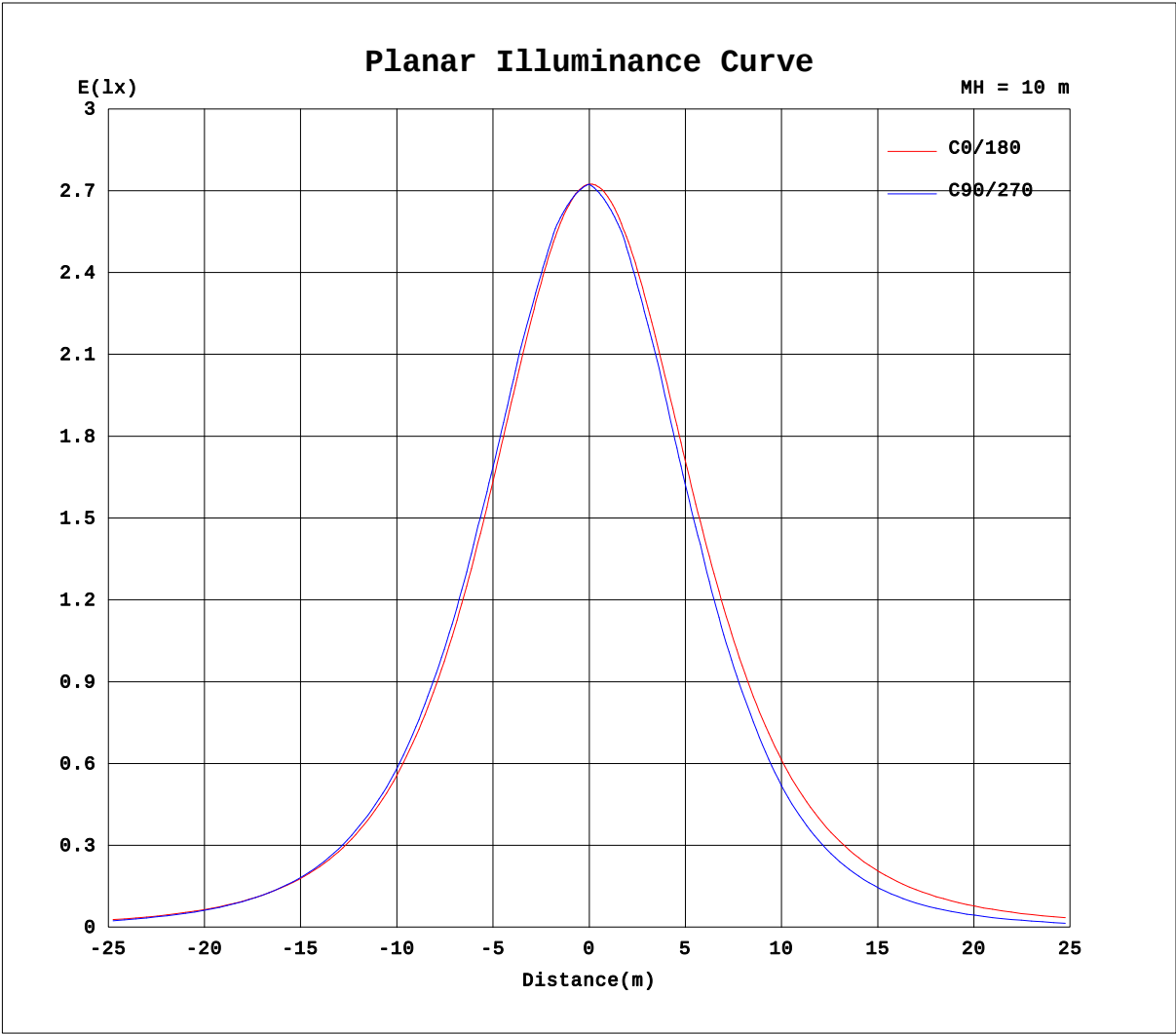
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SPEC.:	DIM.:	SERIAL No.:2024120091
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:



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

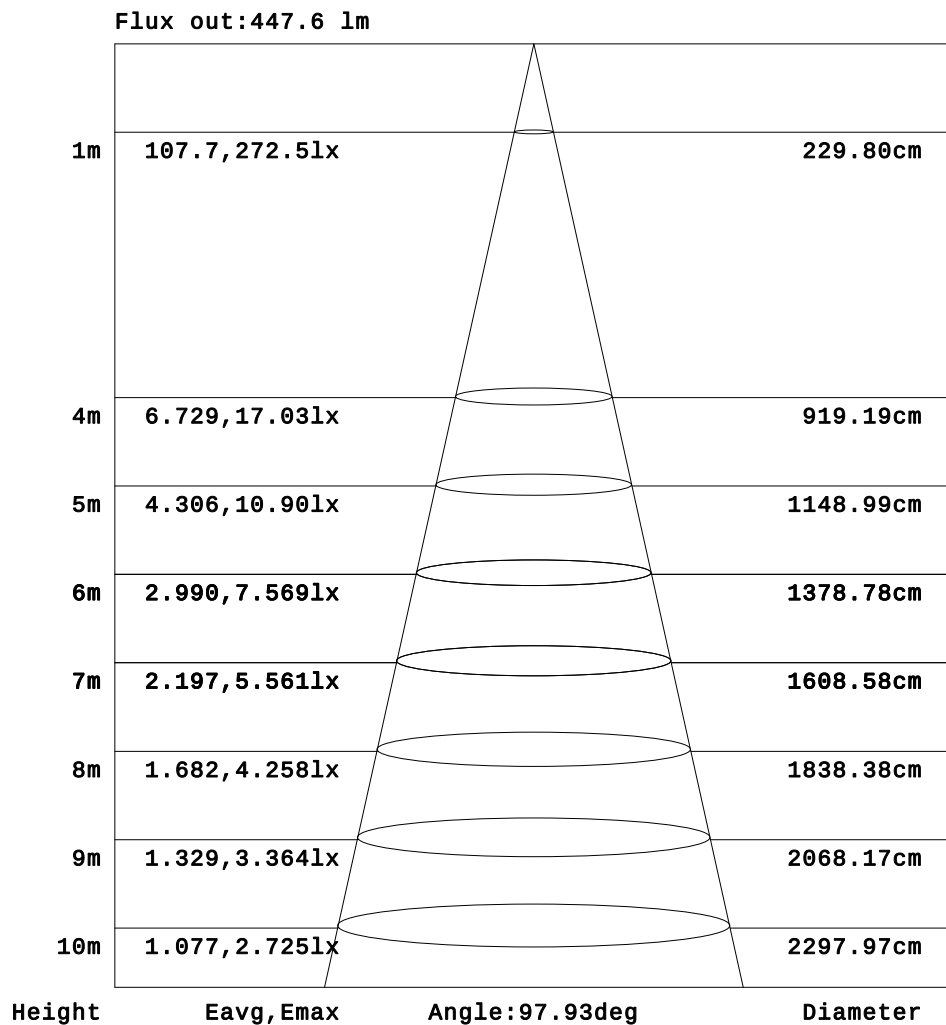


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-12-23

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:221.0V I:0.0648A P:7.651W PF:1.000 Freq:50.00Hz Lamp Flux:656.984x1 lm		
NAME: 8.02.003.0449 LLS-COVE1-W40-L3-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2024120091
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:221.0V I:0.0648A P:7.651W PF:1.000 Freq:50.00Hz Lamp Flux:656.984x1 lm																	
NAME: 8.02.003.0449 LLS-COVE1-W40-L3-DIM									TYPE:						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:2024120091		
MFR.: TPK OPTOELECTRONIC TECH CO., LTD									SUR.:						Shielding Angle:		

Table--1

UNIT: cd

H(°)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
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	2.54	7.08	8.94	9.52	10.4	10.9	10.8	10.1	9.22	7.61	5.91	4.16	2.42	0.85	0.00	0.00
-75	0.00	0.00	0.07	3.91	11.0	13.0	15.6	18.3	20.3	21.7	22.6	23.2	23.1	22.7	21.9	21.0	20.1	19.2	18.9
-70	0.00	0.00	0.16	9.38	15.1	18.5	22.7	27.1	30.2	33.0	35.4	37.2	38.5	39.2	39.4	39.2	38.9	38.4	37.7
-65	0.00	0.00	1.19	11.4	18.6	23.9	29.4	35.6	40.9	45.8	50.2	54.1	57.2	59.7	61.5	62.7	63.3	63.4	62.9
-60	0.00	0.00	4.69	17.1	23.1	30.2	38.2	46.5	53.6	60.4	66.6	72.2	77.0	81.1	84.3	86.6	87.8	88.3	87.8
-55	0.00	0.00	4.96	18.7	25.8	35.0	45.0	54.8	64.1	73.1	81.6	89.5	96.4	103	107	111	113	115	115
-50	0.00	0.01	9.87	22.3	31.1	43.3	55.6	66.9	78.3	89.3	99.9	110	118	126	132	137	140	141	141
-45	0.00	0.00	10.1	23.6	33.0	47.2	61.1	74.5	88.1	101	114	126	136	146	153	159	163	165	165
-40	0.00	1.20	16.4	28.8	40.8	57.0	72.1	87.6	103	118	133	146	158	168	177	183	187	189	189
-35	0.00	0.73	14.7	28.6	42.0	59.1	75.7	92.9	110	127	143	158	172	183	193	200	205	208	208
-30	0.00	3.99	19.9	32.4	50.4	67.6	86.1	105	124	143	160	176	190	202	212	219	224	227	227
-25	0.00	3.01	17.0	33.7	50.0	68.1	87.7	108	128	148	167	184	199	212	222	231	236	240	240
-20	0.00	7.67	17.1	39.0	56.5	76.2	97.4	119	141	161	180	198	213	226	237	245	250	253	253
-15	0.00	4.62	19.6	36.6	54.3	74.2	96.0	118	141	162	183	201	217	230	242	250	257	260	261
-10	0.00	6.74	24.9	40.9	59.6	80.7	104	127	150	172	192	210	226	240	251	259	265	268	268
-5	0.00	5.69	22.5	38.2	56.6	77.5	100	124	147	170	190	209	225	239	251	260	266	270	270
0	0.00	12.3	26.0	42.4	61.6	83.2	106	130	154	176	196	215	231	244	255	264	269	272	272
5	0.00	8.25	22.7	38.2	56.5	77.3	100.0	123	147	169	189	208	224	238	250	259	265	268	269
10	0.02	12.1	25.2	41.1	59.5	80.3	103	126	149	170	190	208	224	238	249	257	262	265	265
15	0.00	9.64	21.8	36.5	53.8	73.4	94.7	117	139	160	180	198	213	227	238	246	252	256	256
20	0.00	11.6	23.9	38.6	55.6	74.8	95.4	117	138	158	177	193	208	221	231	239	244	247	247
25	0.00	9.04	20.1	33.4	48.8	66.3	85.2	105	125	144	161	178	192	205	215	223	228	231	232
30	0.00	10.5	21.3	34.1	48.7	65.2	82.8	101	119	137	153	169	182	193	203	209	214	216	216
35	0.00	8.15	17.8	29.1	42.1	56.5	72.2	88.6	105	121	136	150	162	173	182	188	193	195	195
40	0.01	9.55	18.5	29.1	41.0	54.0	68.1	82.6	97.2	111	124	136	147	156	164	169	173	174	174
45	0.00	6.91	14.9	24.0	34.2	45.3	57.1	69.4	81.8	93.7	105	115	124	132	138	143	146	147	147
50	0.00	7.72	14.9	22.9	31.7	41.1	51.1	61.2	71.3	81.0	89.7	97.4	104	110	115	118	120	121	120
55	0.00	4.35	11.8	18.4	25.6	33.3	41.2	49.3	57.2	64.5	71.2	77.0	81.9	86.1	89.4	91.8	93.2	93.6	93.2
60	0.00	5.90	11.3	16.8	22.6	28.6	34.6	40.5	46.0	51.0	55.2	58.6	61.3	63.5	65.1	66.1	66.5	66.5	65.9
65	0.00	1.29	8.54	12.8	17.2	21.6	26.0	30.2	33.9	37.0	39.6	41.5	42.8	43.7	44.2	44.5	44.4	44.1	43.6
70	0.00	0.81	7.42	10.5	13.6	16.5	19.1	21.4	23.1	24.2	24.8	24.9	24.7	24.2	23.5	22.8	22.2	21.6	21.1
75	0.00	0.07	3.44	7.14	9.15	10.9	12.3	13.3	13.8	13.8	13.3	12.5	12.4	12.1	11.8	11.5	11.1	10.8	10.6
80	0.00	0.13	0.12	4.65	5.49	5.93	6.00	5.59	4.64	3.26	1.52	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
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

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NAME: 8.02.003.0449 LLS-COVE1-W40-L3-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2024120091
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	0.00	0.00	0.28	1.34	2.35	3.18	3.77	4.03	3.98	3.55	2.90	2.02	0.96	0.00	0.00	0.00	0.00	
-75	18.5	18.1	17.6	17.1	17.0	16.8	16.3	15.5	14.4	12.9	11.1	9.13	7.02	4.80	2.03	0.00	0.00	0.00	
-70	36.9	36.0	35.0	33.8	32.6	31.1	29.1	26.8	24.1	21.1	17.9	14.5	11.1	7.75	2.38	0.00	0.00	0.00	
-65	61.9	60.4	58.4	55.9	53.1	49.8	46.1	41.9	37.4	32.5	27.4	22.3	17.3	12.4	7.25	0.52	0.00	0.00	
-60	86.4	84.0	80.9	77.0	72.3	67.1	61.4	55.3	48.7	41.8	34.9	28.0	21.4	15.1	9.33	0.01	0.00	0.00	
-55	113	110	106	101	95.4	88.4	80.8	72.7	64.1	55.0	46.0	37.1	28.6	20.6	13.2	4.70	0.00	0.00	
-50	139	135	130	124	116	107	97.0	86.7	75.9	64.5	53.5	42.7	32.4	23.0	14.4	5.77	0.00	0.00	
-45	163	160	154	147	138	128	116	104	91.6	78.4	65.2	52.2	39.9	28.7	18.6	9.82	0.01	0.00	
-40	186	182	175	167	156	144	131	117	102	87.0	71.5	56.6	42.7	30.1	19.0	9.47	0.00	0.00	
-35	206	201	195	186	176	163	149	133	117	100	83.1	66.4	50.5	36.1	23.4	12.6	2.00	0.00	
-30	224	219	211	202	190	176	161	144	126	107	88.0	69.5	52.3	36.7	23.3	11.8	1.46	0.00	
-25	238	233	226	217	205	191	175	157	138	118	97.9	78.2	59.4	42.3	27.4	14.8	4.35	0.00	
-20	251	245	237	227	214	199	182	163	142	121	99.9	79.1	59.4	41.5	26.1	13.1	2.83	0.00	
-15	259	254	247	237	224	209	192	173	152	131	108	86.6	65.8	46.8	30.2	16.4	5.12	0.00	
-10	266	261	252	242	229	213	195	175	153	131	108	85.7	64.3	45.0	28.3	14.5	3.53	0.00	
-5	269	264	256	246	233	217	200	180	159	136	113	90.5	68.7	48.7	31.3	16.9	5.33	0.00	
0	270	264	256	245	232	216	197	177	155	132	109	86.4	64.7	45.1	28.1	14.1	3.16	0.00	
5	267	262	255	244	232	216	198	179	158	135	112	89.7	68.0	48.1	30.9	16.6	5.12	0.00	
10	263	258	250	239	226	210	192	172	151	129	106	84.1	63.0	43.9	27.5	13.9	3.15	0.00	
15	254	250	242	232	220	205	188	169	149	127	106	84.5	64.0	45.4	29.2	15.6	4.70	0.00	
20	244	239	231	221	208	193	177	158	138	118	97.0	76.5	57.3	40.0	25.0	12.6	2.54	0.00	
25	230	225	219	209	198	184	168	151	132	113	94.1	75.0	56.9	40.4	26.1	13.9	3.98	0.00	
30	214	209	202	193	182	168	153	137	119	102	83.6	66.0	49.6	34.8	21.9	10.9	2.01	0.00	
35	194	190	183	175	165	153	140	125	110	94.0	78.0	62.3	47.4	33.8	21.9	11.6	3.00	0.00	
40	172	168	162	154	144	133	121	108	94.1	80.2	66.1	52.4	39.5	27.8	17.4	8.45	1.01	0.00	
45	146	142	138	131	123	114	104	93.9	82.7	71.0	59.2	47.5	36.4	26.1	16.8	8.71	1.77	0.00	
50	118	115	111	106	99.2	91.9	84.1	75.6	66.7	57.2	47.5	38.0	28.9	20.5	12.8	5.97	0.30	0.00	
55	92.0	89.9	86.9	82.9	78.2	73.0	67.3	61.0	54.3	47.1	39.7	32.2	24.9	17.9	11.4	5.61	0.60	0.00	
60	64.8	63.2	61.1	58.3	55.2	51.9	48.1	43.9	39.1	34.1	28.9	23.4	18.0	12.7	7.67	3.06	0.00	0.00	
65	42.9	42.0	40.8	39.4	37.7	35.8	33.6	31.1	28.2	25.0	21.4	17.7	13.8	9.85	6.00	2.34	0.02	0.00	
70	20.7	20.3	20.0	19.7	19.4	18.8	18.1	17.2	16.0	14.4	12.6	10.4	8.05	5.47	2.83	0.24	0.00	0.00	
75	10.4	10.2	10.0	9.91	9.73	9.48	9.14	8.69	8.12	7.40	6.49	5.44	4.28	3.00	1.68	0.37	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	
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(β) Range:-80 - 80DEG
V(β) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks: