

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity (Luminaire orientation as tested.)	416.6 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
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Beam Spread	At 10% of Imax	146.9V x 154.7H
	At 50% of Imax	99.0V x 100.9H
	At 90% of Imax	40.2V x 41.2H

Beam Flux	Total	998.5 lumens per klm.
	To 10% of Imax	978.9 lumens per klm.
	To 50% of Imax	687.1 lumens per klm.
	To 90% of Imax	147.4 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.8 %

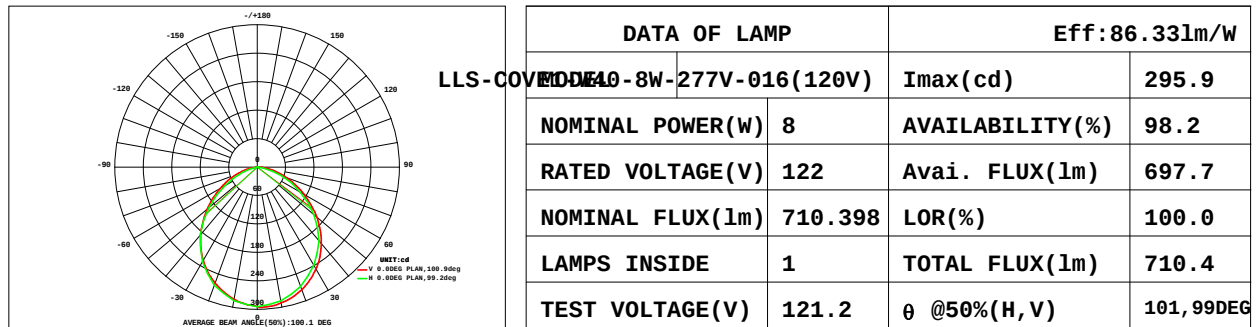
Luminaire Efficiency(Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-06-18

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:121.2V I:0.0691A P:8.229W PF:0.9832 Lamp Flux:710.398x1 lm		
NAME: LLS-COVE1-W40-8W-277V-016 (120V)	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2024060060
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:



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	0.01	0.06	0.22	0.39	0.57	0.74	0.87	0.95	1.00	1.00	0.92	0.79	0.62	0.43	0.24	0.09	0.00	8.91	5.13
70	0.00	0.04	0.24	0.55	0.94	1.39	1.80	2.13	2.34	2.39	2.27	1.99	1.61	1.18	0.75	0.39	0.14	0.02	20.2	19.4
60	0.00	0.10	0.39	0.88	1.53	2.26	2.94	3.50	3.86	3.94	3.69	3.20	2.53	1.80	1.12	0.57	0.20	0.02	32.5	32.1
50	0.00	0.15	0.53	1.19	2.09	3.10	4.09	4.89	5.37	5.45	5.09	4.38	3.44	2.43	1.49	0.74	0.25	0.03	44.7	44.4
40	0.01	0.19	0.67	1.50	2.61	3.87	5.08	6.07	6.65	6.70	6.27	5.42	4.25	3.01	1.83	0.89	0.30	0.04	55.4	55.2
30	0.01	0.22	0.78	1.74	3.03	4.48	5.90	6.99	7.61	7.70	7.24	6.24	4.93	3.48	2.10	1.03	0.34	0.04	63.8	63.7
20	0.01	0.24	0.86	1.91	3.33	4.94	6.46	7.62	8.31	8.44	7.89	6.82	5.41	3.82	2.30	1.12	0.37	0.04	69.9	69.8
10	0.01	0.25	0.89	1.99	3.48	5.15	6.73	7.95	8.70	8.83	8.26	7.16	5.69	4.01	2.42	1.17	0.38	0.05	73.1	73.0
0	0.01	0.25	0.89	1.98	3.46	5.13	6.70	7.96	8.71	8.84	8.28	7.18	5.70	4.02	2.41	1.16	0.38	0.04	73.1	73.0
-10	0.01	0.21	0.84	1.86	3.26	4.84	6.34	7.58	8.29	8.36	7.84	6.81	5.38	3.78	2.29	1.11	0.36	0.04	69.2	69.1
-20	0.00	0.18	0.74	1.66	2.90	4.32	5.69	6.82	7.46	7.55	7.09	6.14	4.83	3.39	2.05	1.00	0.33	0.03	62.2	62.0
-30	0.00	0.15	0.61	1.39	2.41	3.59	4.77	5.71	6.27	6.36	5.97	5.14	4.04	2.84	1.73	0.85	0.28	0.01	52.1	51.9
-40	0.00	0.12	0.47	1.08	1.86	2.76	3.65	4.37	4.83	4.89	4.57	3.92	3.08	2.17	1.32	0.65	0.21	0.00	40.0	39.7
-50	0.00	0.07	0.31	0.72	1.25	1.83	2.40	2.90	3.18	3.24	3.04	2.64	2.11	1.51	0.94	0.47	0.14	0.00	26.7	26.2
-60	0.00	0.03	0.17	0.39	0.68	0.98	1.27	1.51	1.65	1.69	1.61	1.43	1.17	0.87	0.56	0.29	0.07	0.00	14.4	12.9
-70	0.00	0.00	0.04	0.11	0.20	0.28	0.34	0.39	0.43	0.44	0.44	0.41	0.37	0.31	0.22	0.12	0.03	0.00	4.13	0.30
-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	0.01	0.01	0.00	0.00	0.03	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	0.06	2.20	8.49	19.2	33.4	49.5	64.9	77.3	84.6	85.8	80.5	69.8	55.3	39.2	24.0	11.8	3.88	0.37	710	---
Φ a	0.00	0.93	7.46	18.3	32.6	48.8	64.3	76.6	83.9	85.2	79.9	69.2	54.7	38.6	23.2	11.0	2.91	0.00	---	698

one-half-peak spread: U:47.6,D:52.0 , L:49.2,R:52.3

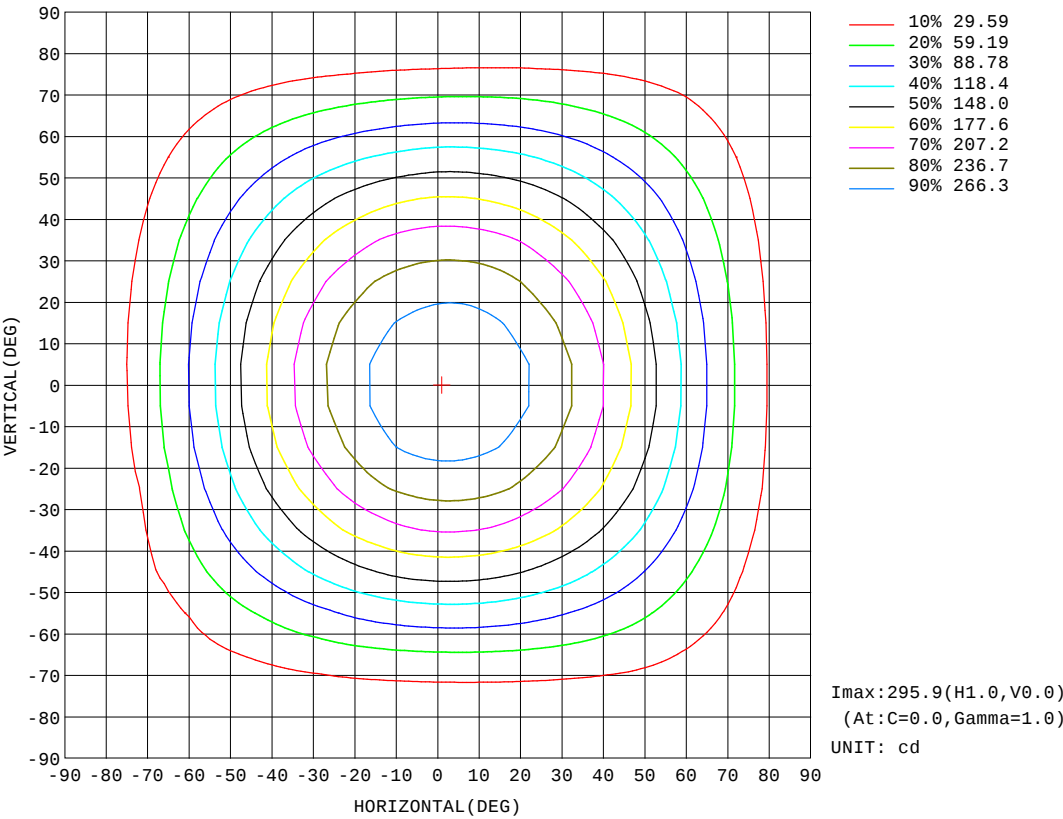
NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-06-18

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:121.2V I:0.0691A P:8.229W PF:0.9832 Lamp Flux:710.398x1 lm		
NAME: LLS-COVE1-W40-8W-277V-016 (120V)	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2024060060
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

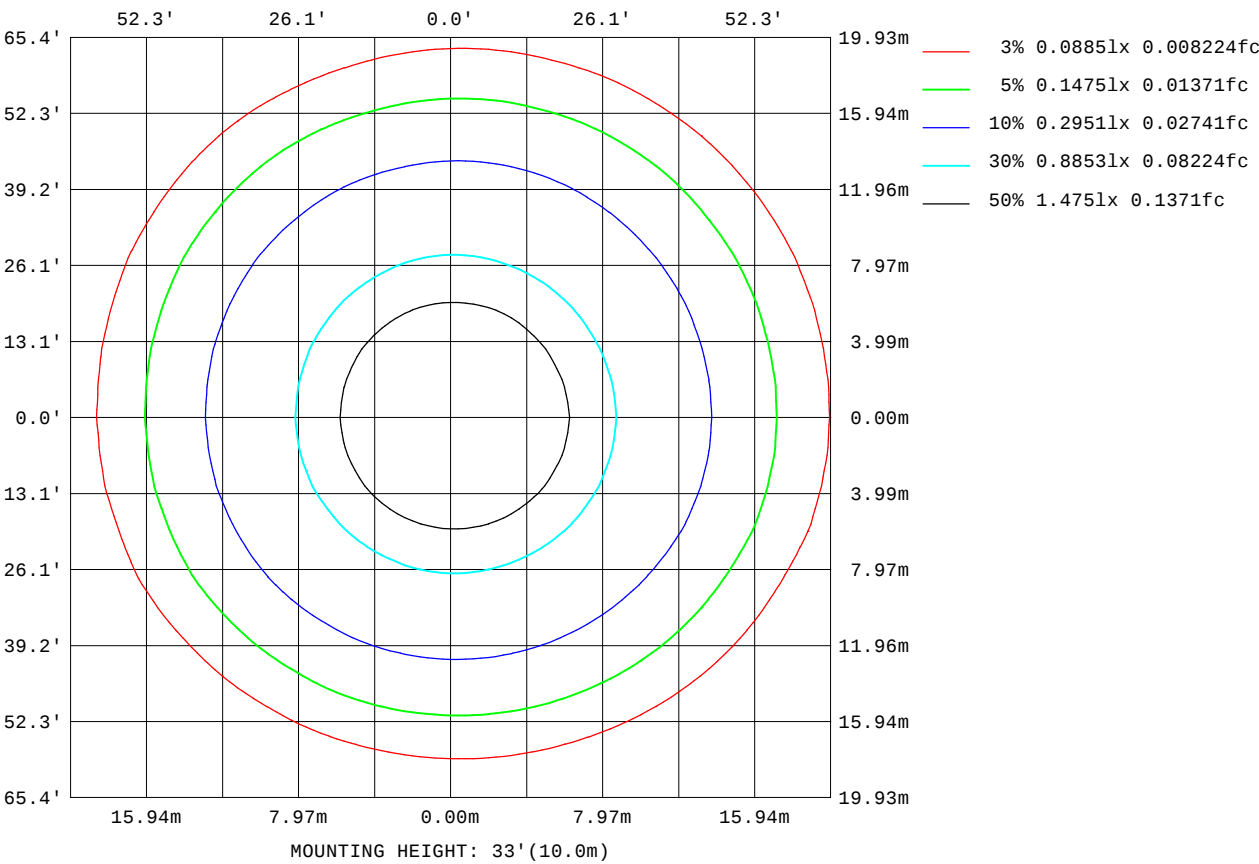


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Remarks:

ISOLUX DIAGRAM

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DIM.:	SPEC.:	SERIAL No.:2024060060
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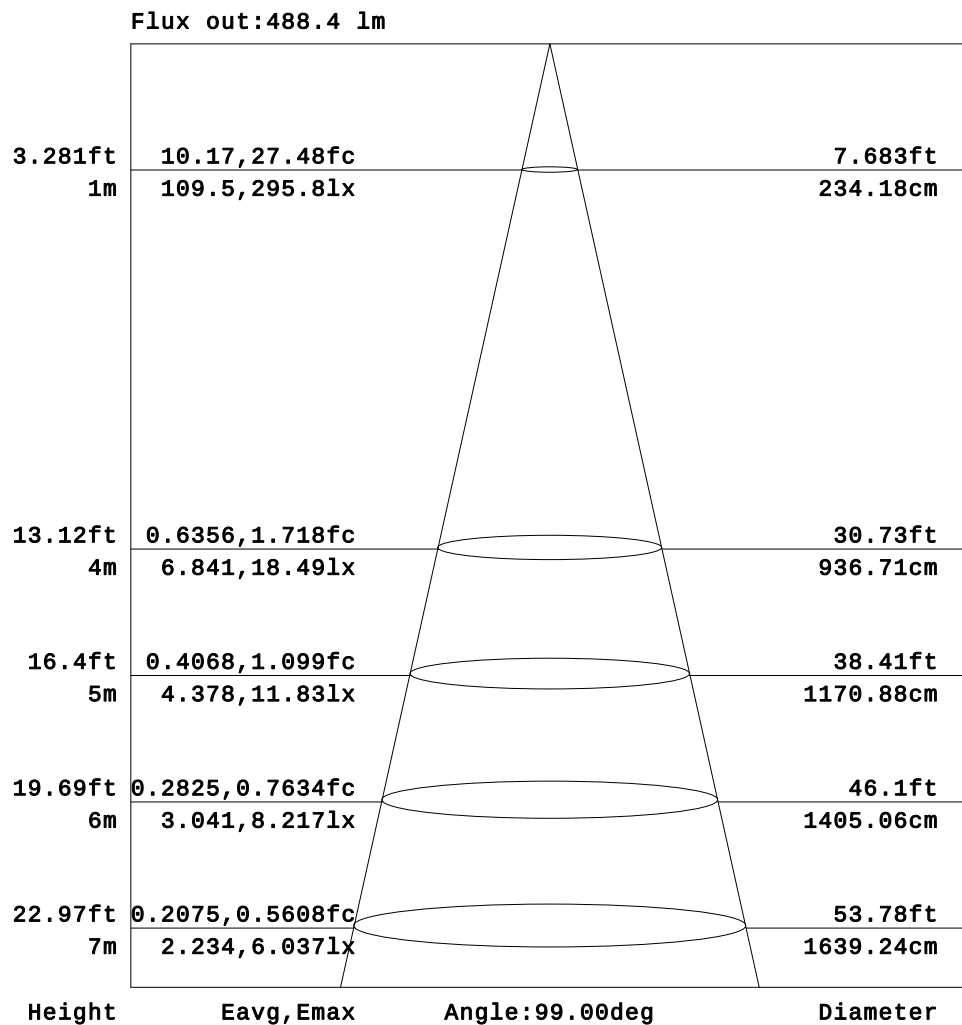


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H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-06-18

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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:

AAI Figure

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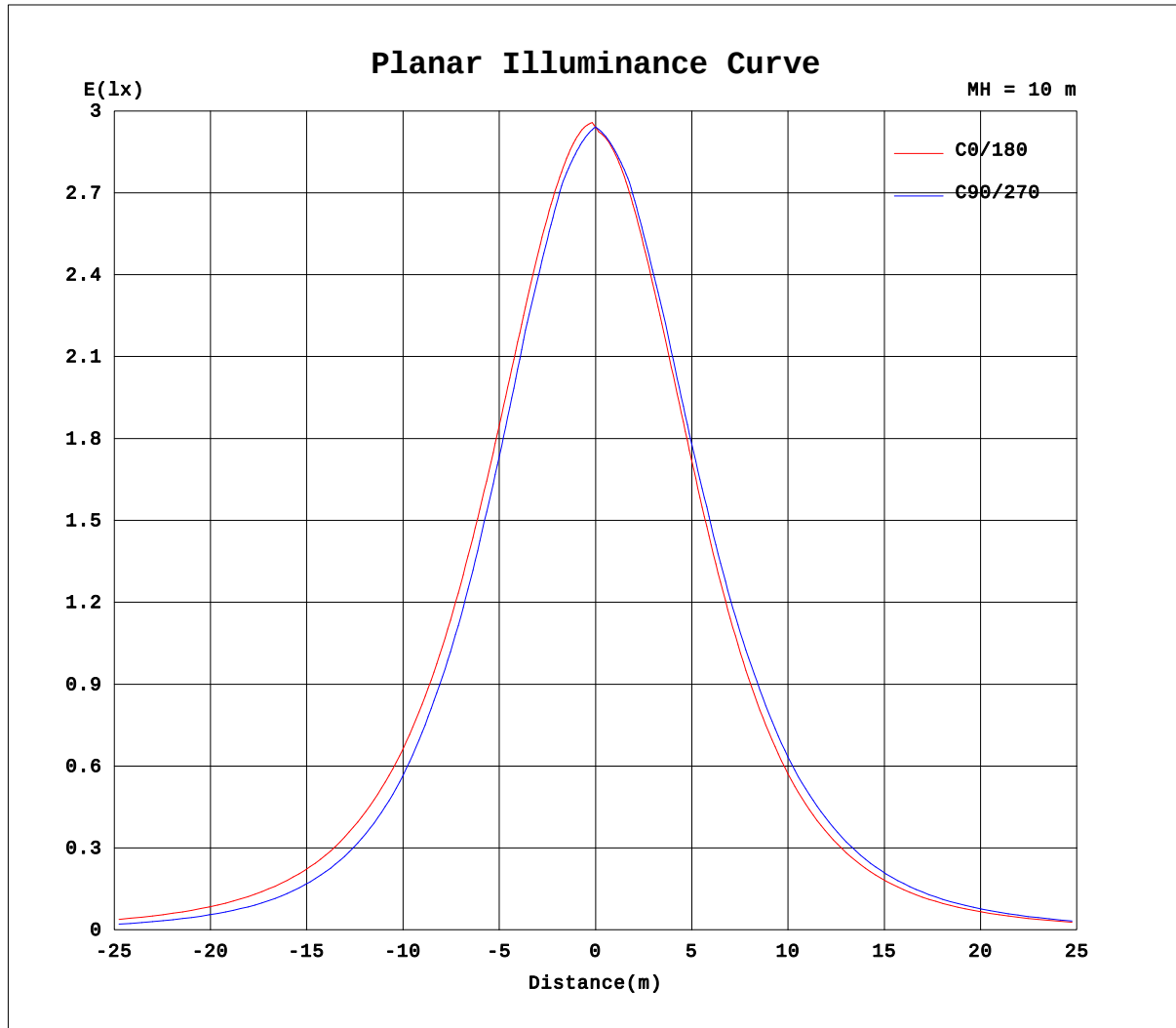


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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H(β) Interval: 1.0DEG
Test Speed: HIGH
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Operators:QC1
Test Date:2024-06-18

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 System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
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LUMINOUS DISTRIBUTION INTENSITY DATA

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NAME: LLS-COVE1-W40-8W-277V-016 (120V)	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2024060060
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	2.23	3.84	5.30	6.95	8.46	9.72	10.9	12.0	12.8	13.8	14.5	15.1	15.6	15.9	16.2
-70	0.00	0.00	0.00	0.00	4.47	7.68	10.6	13.9	16.9	19.4	21.9	24.0	25.7	27.5	29.0	30.2	31.1	31.8	32.4
-65	0.00	0.00	0.00	2.17	8.47	13.3	16.8	22.7	27.5	31.8	35.9	39.8	43.1	46.7	49.7	52.0	53.9	55.3	56.2
-60	0.00	0.00	0.00	4.34	12.5	19.0	23.1	31.5	38.1	44.1	49.8	55.6	60.6	65.8	70.3	73.9	76.7	78.8	79.9
-55	0.00	0.00	0.00	7.46	16.1	23.8	30.9	41.3	49.8	57.8	65.6	73.5	80.6	87.2	93.7	98.6	102	105	107
-50	0.00	0.00	0.00	10.6	19.7	28.6	38.8	51.1	61.5	71.6	81.4	91.5	101	109	117	123	128	132	133
-45	0.00	0.00	0.82	14.0	23.6	34.9	47.9	61.0	73.5	85.7	97.7	110	121	131	140	148	154	158	160
-40	0.00	0.00	1.64	17.4	27.6	41.3	57.0	71.0	85.5	99.9	114	128	142	154	164	172	180	185	187
-35	0.00	0.00	2.58	18.7	30.8	45.3	62.8	78.7	95.1	111	128	143	158	172	184	193	201	206	209
-30	0.00	0.00	3.52	20.1	34.0	49.4	68.6	86.4	105	123	141	159	175	190	204	214	222	227	231
-25	0.00	0.00	6.81	21.4	36.9	55.0	74.4	93.6	113	133	153	172	189	205	219	231	239	245	248
-20	0.00	0.00	10.1	22.8	39.9	60.7	80.3	101	122	144	165	185	203	220	235	247	256	262	265
-15	0.00	0.00	10.8	24.8	43.0	63.3	83.6	105	127	150	172	193	212	229	244	257	266	272	275
-10	0.00	0.00	11.5	26.9	46.1	65.8	87.0	109	133	156	179	201	221	238	253	267	277	283	286
-5	0.00	0.00	11.6	28.5	47.1	67.1	88.7	111	135	159	183	204	224	242	257	270	280	286	290
0	0.00	0.00	11.7	30.2	48.2	68.5	90.5	114	138	162	186	208	228	245	260	273	283	290	294
5	0.00	0.00	12.9	29.8	47.5	67.6	89.4	113	136	160	184	206	225	243	258	269	279	286	291
10	0.00	0.00	14.0	29.4	46.9	66.7	88.3	111	135	158	181	203	223	240	255	266	276	283	287
15	0.00	0.00	13.8	28.6	45.5	64.7	85.7	108	131	154	176	197	216	233	247	258	267	273	277
20	0.00	0.00	13.6	27.9	44.2	62.6	83.0	105	126	149	170	190	210	226	239	250	258	264	268
25	0.00	0.00	12.6	26.1	41.4	58.8	78.1	98.3	119	140	160	179	197	213	227	237	245	250	253
30	0.00	0.00	11.5	24.3	38.7	55.0	73.1	92.1	112	131	150	168	185	201	214	224	231	236	239
35	0.00	0.00	10.2	22.2	35.5	50.5	67.1	84.6	103	120	138	154	170	184	196	206	213	218	221
40	0.00	0.00	8.76	20.0	32.3	46.0	61.0	77.1	93.5	110	126	141	155	167	178	188	196	200	203
45	0.00	0.00	5.29	17.3	28.3	40.4	53.7	67.9	82.4	96.7	111	124	137	148	158	166	172	177	179
50	0.00	0.00	1.81	14.6	24.3	34.8	46.3	58.6	71.2	83.6	95.7	107	118	128	137	144	149	154	156
55	0.00	0.00	0.91	11.9	20.4	29.6	39.4	49.8	60.4	70.8	80.8	90.4	99.3	107	114	120	124	128	130
60	0.00	0.00	0.00	9.21	16.5	24.3	32.4	41.0	49.7	57.9	66.0	73.5	80.2	85.8	90.9	95.2	99.1	102	104
65	0.00	0.00	0.00	4.61	12.1	18.3	24.7	31.4	37.9	44.3	50.5	56.3	61.5	66.0	69.9	73.2	76.1	78.3	79.6
70	0.00	0.00	0.00	0.01	7.65	12.3	17.0	21.7	26.2	30.6	35.0	39.1	42.8	46.1	48.9	51.2	53.1	54.2	55.0
75	0.00	0.00	0.00	0.01	3.83	6.16	9.79	13.4	16.4	19.2	21.9	24.3	26.5	28.5	30.1	31.5	32.7	33.5	34.1
80	0.00	0.00	0.00	0.00	0.00	0.00	2.60	5.10	6.55	7.76	8.76	9.58	10.3	10.9	11.4	11.7	12.2	12.7	13.1
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

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 Operators:QC1
 Test Date:2024-06-18

V(B) Range:-80 - 80DEG
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 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:121.2V I:0.0691A P:8.229W PF:0.9832 Lamp Flux:710.398x1 lm																	
NAME: LLS-COVE1-W40-8W-277V-016 (120V)									TYPE:LED						WEIGHT:		
DIM.:									SPEC.:						SERIAL No.:2024060060		
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	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
-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
-80	0.00	0.00	0.00	0.00	0.00	0.00	0.10	1.06	2.72	3.67	4.50	4.57	4.09	3.86	0.00	0.00	0.00
-75	16.4	16.4	16.4	16.3	16.1	15.7	15.2	15.0	14.9	14.2	13.3	11.6	9.42	7.71	2.55	0.00	0.00
-70	32.7	32.9	32.9	32.6	32.2	31.5	30.4	28.9	27.1	24.8	22.1	18.6	14.8	11.6	5.10	0.00	0.00
-65	56.5	56.2	55.5	54.2	52.5	50.3	47.6	44.5	40.9	36.8	32.3	27.2	21.9	16.8	8.60	0.01	0.00
-60	80.2	79.6	78.1	75.8	72.8	69.1	64.8	60.1	54.7	48.8	42.5	35.9	29.0	22.0	12.1	0.02	0.00
-55	107	106	104	100	95.9	90.6	84.4	77.6	70.2	62.1	53.6	44.9	36.1	27.4	17.5	2.69	0.00
-50	134	132	129	125	119	112	104	95.1	85.6	75.3	64.8	54.0	43.2	32.8	22.9	5.37	0.00
-45	160	159	155	149	142	133	123	112	101	88.2	75.5	62.6	50.0	37.8	26.3	8.71	0.00
-40	187	185	180	173	165	155	143	130	116	101	86.2	71.3	56.8	42.8	29.7	12.1	0.00
-35	209	207	202	195	185	174	161	146	131	114	97.3	80.5	64.0	48.3	33.7	17.7	0.00
-30	231	229	224	216	206	193	179	163	146	127	108	89.6	71.3	53.8	37.8	23.3	0.00
-25	248	245	240	232	221	208	192	175	156	136	116	95.8	75.9	57.1	39.8	24.5	0.04
-20	265	262	256	248	237	222	206	187	167	146	124	102	80.6	60.3	41.9	25.6	0.08
-15	275	272	266	257	246	232	214	195	174	152	129	106	84.0	62.9	43.6	26.6	5.35
-10	285	282	276	266	255	241	223	203	182	159	135	111	87.4	65.4	45.3	27.5	10.6
-5	290	286	280	271	259	244	227	207	185	161	136	112	88.3	66.0	45.7	27.7	11.5
0	295	291	284	275	263	248	231	210	188	164	138	113	89.2	66.6	46.1	27.9	12.4
5	291	287	280	271	259	244	227	207	185	162	137	112	88.6	66.3	45.8	27.8	12.4
10	287	283	276	267	255	241	224	204	183	159	135	111	88.0	65.9	45.6	27.8	12.5
15	278	274	267	258	247	232	216	197	176	154	131	107	85.0	63.8	44.2	27.0	12.1
20	269	266	259	250	238	224	208	190	170	148	126	104	82.1	61.7	42.7	26.2	11.7
25	254	251	245	237	225	212	197	180	161	140	119	98.3	78.1	58.8	40.9	25.2	11.3
30	238	237	232	224	212	200	185	169	151	132	112	93.0	74.0	55.9	39.1	24.2	10.9
35	220	218	213	206	196	184	170	155	139	122	104	85.8	68.3	51.7	36.2	22.5	10.1
40	202	199	194	188	179	168	155	141	127	111	94.8	78.5	62.6	47.4	33.4	20.8	9.37
45	179	177	173	167	159	149	138	125	112	98.8	84.8	70.6	56.5	42.9	30.5	19.1	8.72
50	156	155	151	145	138	130	121	110	98.1	86.6	74.8	62.6	50.4	38.5	27.6	17.5	8.07
55	131	129	126	122	116	109	102	92.9	83.8	74.0	63.9	53.8	43.4	33.4	24.1	15.3	5.35
60	105	104	101	98.5	94.4	88.8	82.8	76.1	69.4	61.3	53.0	44.9	36.4	28.3	20.5	13.0	2.63
65	80.1	79.5	78.0	76.1	73.2	69.3	65.0	60.3	55.0	49.0	42.8	36.7	30.0	23.5	17.3	11.2	1.31
70	55.4	55.4	55.0	53.7	52.0	49.9	47.2	44.6	40.5	36.7	32.7	28.6	23.5	18.8	14.1	9.31	0.00
75	34.6	35.0	35.1	34.8	34.0	33.1	31.7	30.1	28.0	25.7	23.2	20.8	17.5	14.0	10.5	5.05	0.00
80	13.8	14.6	15.2	15.8	16.0	16.3	16.2	15.7	15.4	14.8	13.8	12.9	11.5	9.16	6.93	0.79	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
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

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-06-18

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: