

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	329.1 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	158.3V x 178.8H
	At 50% of Imax	109.4V x 123.0H
	At 90% of Imax	48.9V x 55.3H

Beam Flux	Total	997.2 lumens per klm.
	To 10% of Imax	991.2 lumens per klm.
	To 50% of Imax	735.9 lumens per klm.
	To 90% of Imax	199.3 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.7 %

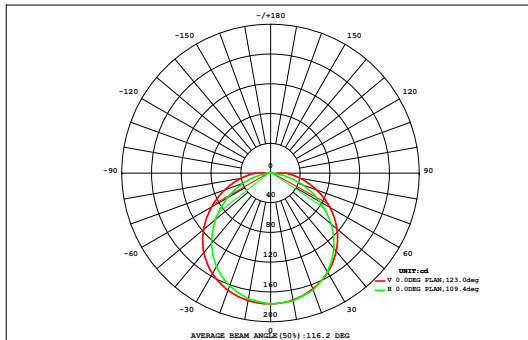
Luminaire Efficiency (Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:23.5DEG
Operators:QC1
Test Date:2020-11-09

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:34%
Test Distance:8.300m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:24.00V I:0.4624A P:11.10W PF:1.000 Lamp Flux:534.612x1 lm		
NAME: LLS-COVE1-W40-8W-24V-全亮	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:202010032
MFR.: 中山市泰然光电科技有限公司	SUR.:	PROTECTION ANGLE:



DATA OF LAMP		Eff:48.17lm/W	
MODELLS-COVE1-W40-8W-24V		Imax(cd)	175.9
NOMINAL POWER(W)	11	AVAILABILITY(%)	99.6
RATED VOLTAGE(V)	24	Avai. FLUX(lm)	532.6
NOMINAL FLUX(lm)	534.612	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	534.6
TEST VOLTAGE(V)	24	θ @50%(H,V)	123,109DEG

VERTICAL (DEG)	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
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	0.07	0.24	0.43	0.62	0.78	0.89	0.96	0.99	1.00	1.00	1.00	0.98	0.91	0.80	0.64	0.45	0.25	0.08	12.1	12.1
70	0.07	0.25	0.50	0.79	1.09	1.37	1.60	1.76	1.85	1.85	1.77	1.60	1.37	1.09	0.79	0.50	0.25	0.07	18.6	18.6
60	0.07	0.29	0.63	1.05	1.51	1.95	2.34	2.62	2.77	2.78	2.63	2.35	1.96	1.51	1.04	0.62	0.29	0.07	26.5	26.5
50	0.08	0.33	0.75	1.29	1.90	2.51	3.05	3.44	3.64	3.63	3.43	3.04	2.51	1.90	1.29	0.75	0.33	0.08	33.9	33.9
40	0.08	0.37	0.86	1.51	2.26	3.00	3.66	4.12	4.35	4.34	4.09	3.61	2.97	2.24	1.50	0.85	0.37	0.08	40.2	40.2
30	0.08	0.40	0.94	1.67	2.52	3.37	4.10	4.62	4.88	4.86	4.57	4.04	3.33	2.50	1.67	0.94	0.39	0.08	45.0	45.0
	0.09	0.41	0.99	1.79	2.71	3.61	4.39	4.93	5.20	5.18	4.87	4.31	3.55	2.67	1.78	0.99	0.41	0.09	48.0	48.0
	0.09	0.42	1.02	1.84	2.78	3.70	4.49	5.04	5.32	5.30	5.00	4.42	3.65	2.75	1.83	1.02	0.43	0.09	49.2	49.2
	0.09	0.42	1.01	1.83	2.76	3.67	4.44	4.99	5.27	5.26	4.96	4.39	3.62	2.73	1.82	1.02	0.42	0.09	48.8	48.8
	0.08	0.40	0.97	1.74	2.63	3.51	4.25	4.79	5.06	5.05	4.77	4.23	3.49	2.63	1.76	0.99	0.42	0.09	46.9	46.9
-30	0.07	0.38	0.90	1.61	2.42	3.23	3.92	4.42	4.67	4.67	4.41	3.91	3.23	2.44	1.64	0.93	0.40	0.08	43.3	43.3
-40	0.06	0.34	0.80	1.41	2.11	2.81	3.42	3.87	4.10	4.11	3.89	3.46	2.87	2.18	1.48	0.85	0.37	0.07	38.2	38.2
-50	0.05	0.30	0.69	1.19	1.75	2.31	2.80	3.16	3.35	3.37	3.20	2.86	2.39	1.84	1.27	0.75	0.34	0.06	31.7	31.6
-60	0.04	0.26	0.57	0.94	1.35	1.75	2.09	2.35	2.49	2.51	2.40	2.18	1.85	1.45	1.03	0.63	0.29	0.05	24.2	24.2
-70	0.04	0.21	0.44	0.70	0.95	1.19	1.38	1.52	1.60	1.62	1.57	1.45	1.27	1.04	0.77	0.50	0.24	0.04	16.5	16.5
-80	0.03	0.16	0.33	0.47	0.58	0.67	0.72	0.75	0.76	0.78	0.78	0.78	0.73	0.65	0.53	0.38	0.19	0.04	9.31	8.84
-90	0.01	0.07	0.12	0.15	0.17	0.16	0.14	0.11	0.10	0.10	0.13	0.16	0.19	0.20	0.18	0.14	0.08	0.02	2.22	0.84
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	1.09	5.27	11.9	20.6	30.3	39.7	47.7	53.5	56.4	56.4	53.5	47.8	39.9	30.6	21.0	12.3	5.48	1.16	535	---
Φ a	0.96	5.20	11.9	20.5	30.2	39.6	47.6	53.3	56.2	56.2	53.3	47.6	39.7	30.5	21.0	12.3	5.45	1.05	---	533

one-half-peak spread: U:53.5,D:56.6 , L:61.9,R:61.8

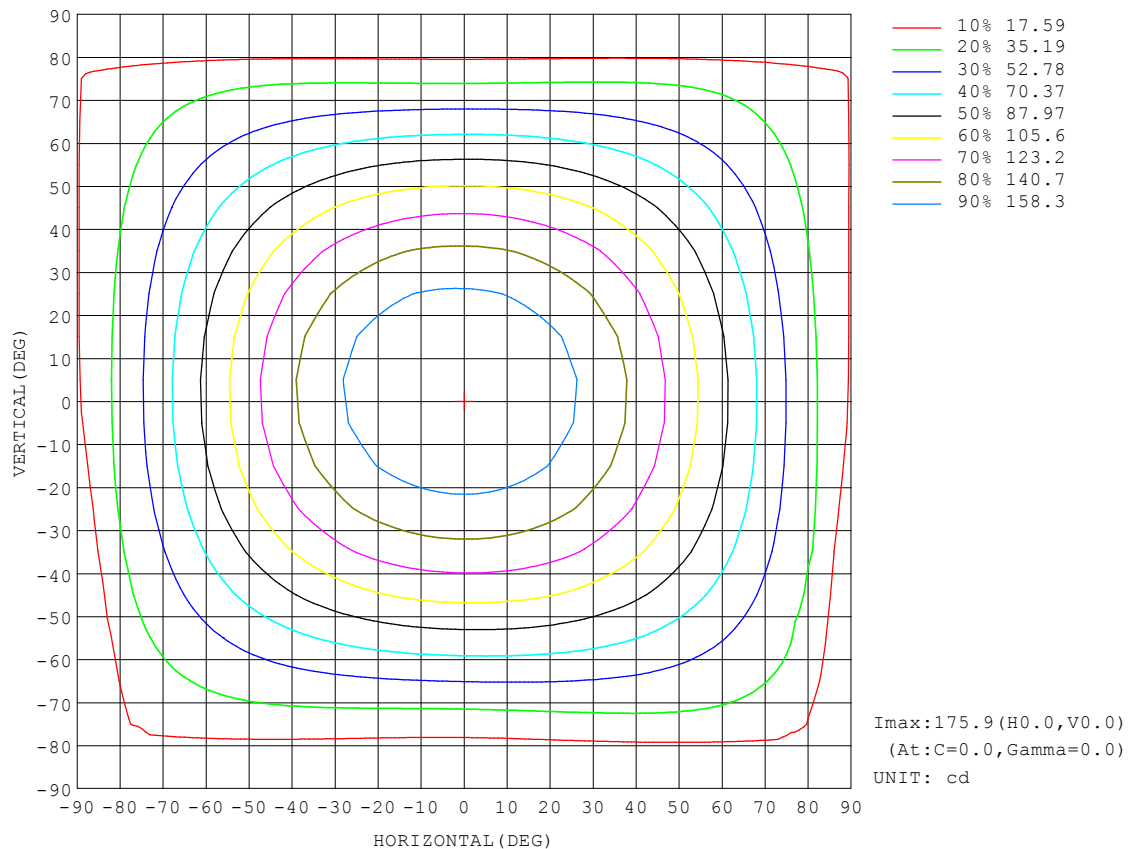
NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:23.5DEG
Operators:QC1
Test Date:2020-11-09

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:34%
Test Distance:8.300m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:24.00V I:0.4624A P:11.10W PF:1.000 Lamp Flux:534.612x1 lm		
NAME: LLS-COVE1-W40-8W-24V-全亮	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:202010032
MFR.: 中山市泰然光电科技有限公司	SUR.:	PROTECTION ANGLE:

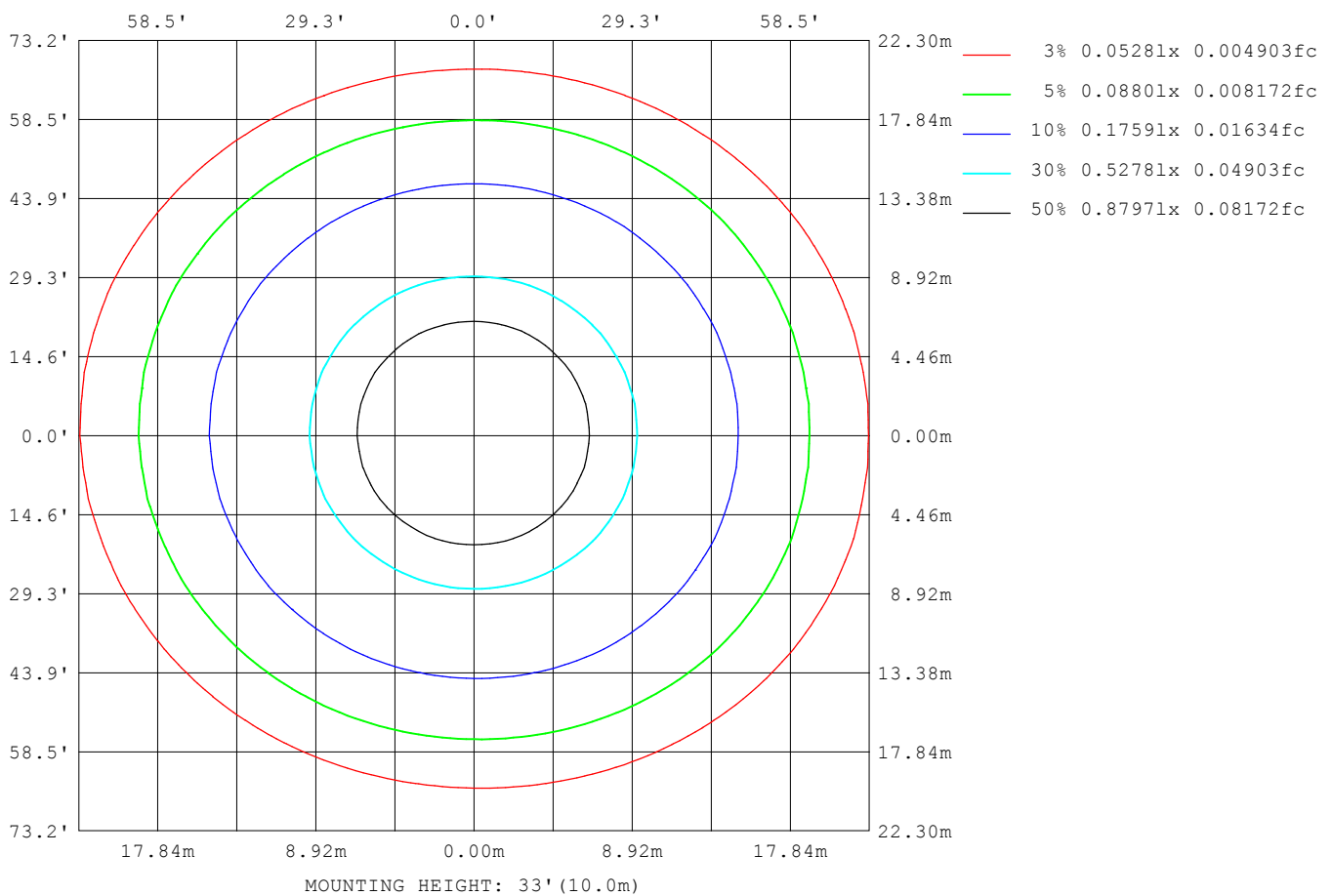


H(β) Range:-90 - 90DEG
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Temperature:23.5DEG
Operators:QC1
Test Date:2020-11-09

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V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:34%
Test Distance:8.300m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

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DIM.:	SPEC.:	SERIAL No.:202010032
MFR.: 中山市泰然光电科技有限公司	SUR.:	PROTECTION ANGLE:

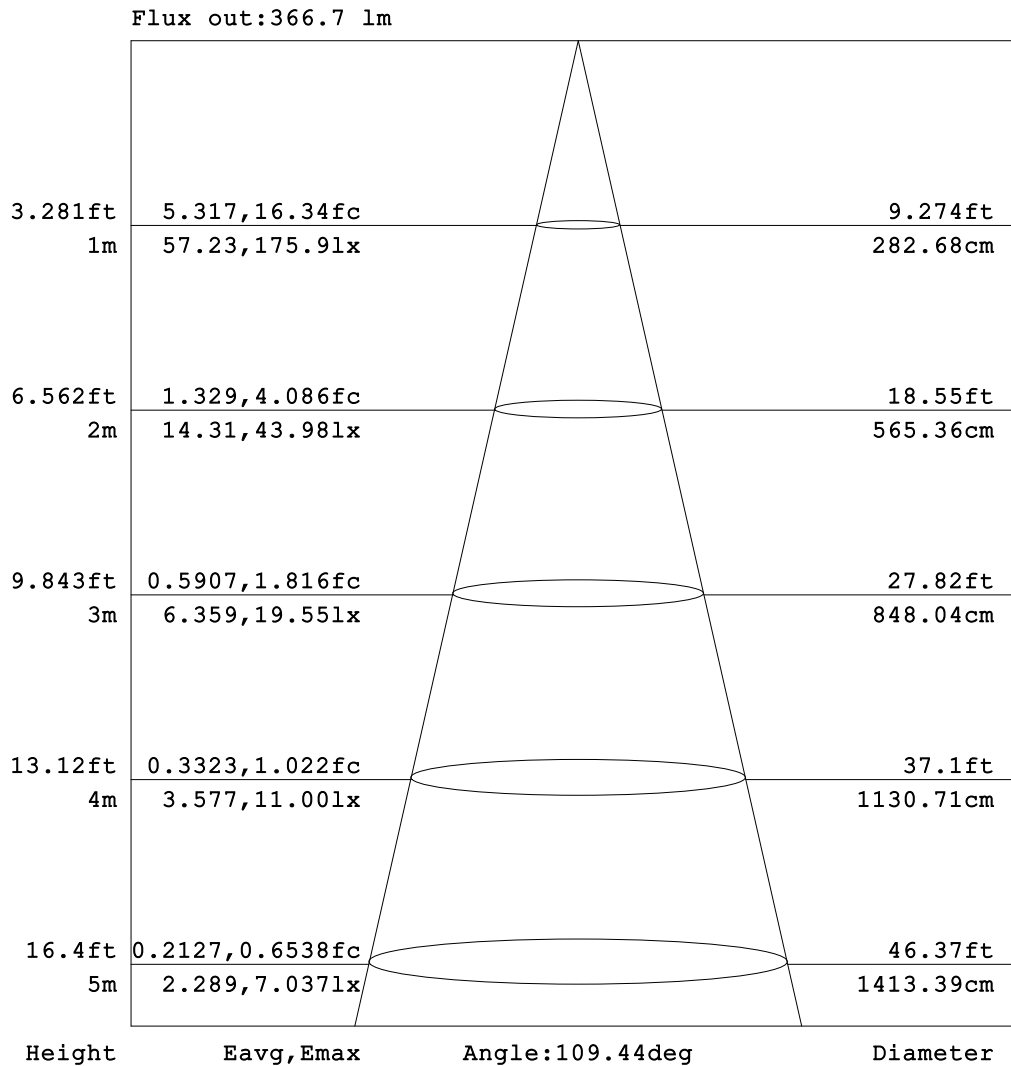


H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:23.5DEG
 Operators:QC1
 Test Date:2020-11-09

V(B) Range:-80 - 80DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
 Humidity:34%
 Test Distance:8.300m [K=1.0000]
 Remarks:

AAI Figure

Test:U:24.00V I:0.4624A P:11.10W PF:1.000 Lamp Flux:534.612x1 lm		
NAME: LLS-COVE1-W40-8W-24V-全亮	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:202010032
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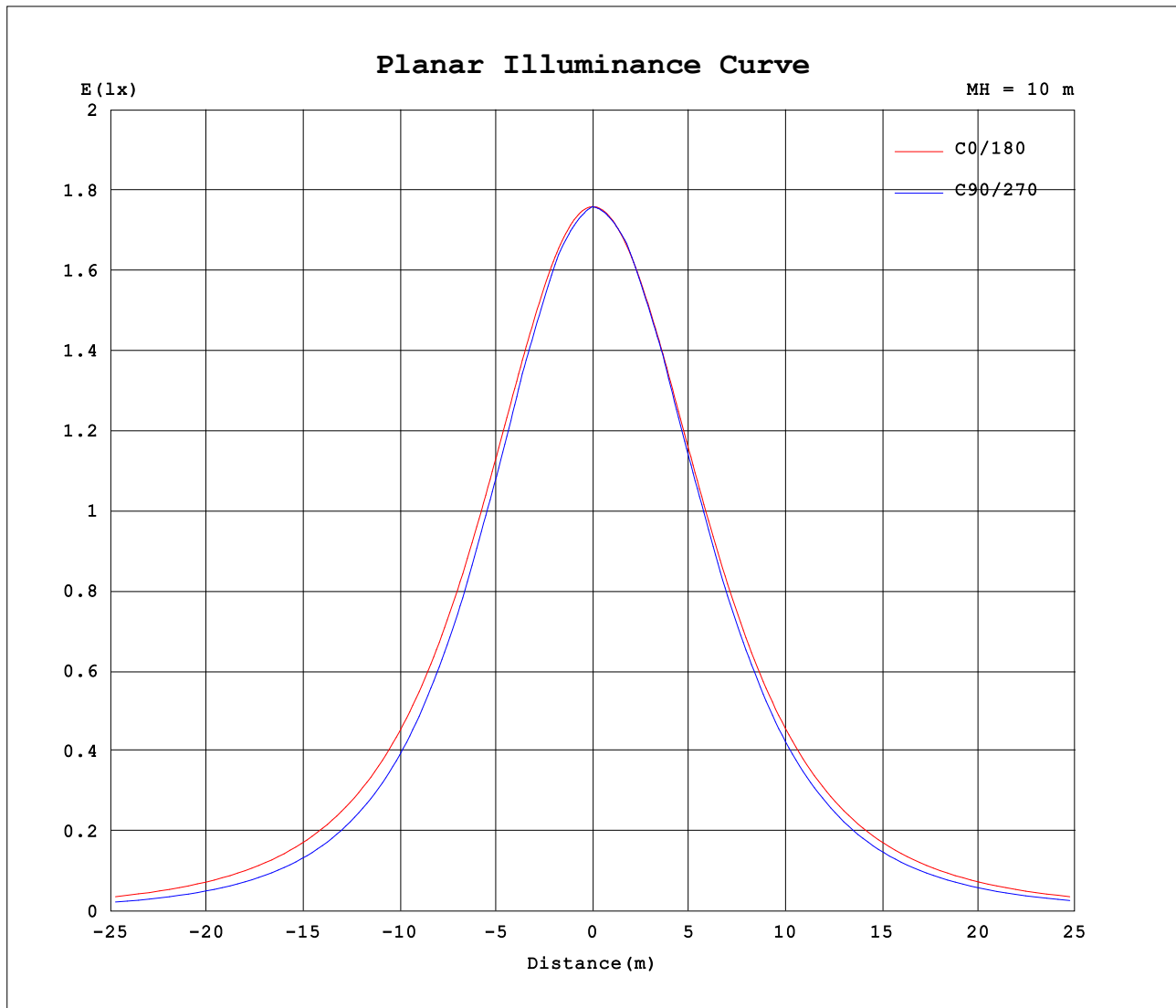


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:23.5DEG
Operators:QC1
Test Date:2020-11-09

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:34%
Test Distance:8.300m [K=1.0000]
Remarks:

Planar Illuminance Curve



H(β) Range:-90 - 90DEG
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Temperature:23.5DEG
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V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:34%
Test Distance:8.300m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:0.4624A P:11.10W PF:1.000 Lamp Flux:534.612x1 lm		
NAME: LLS-COVE1-W40-8W-24V-全亮	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:202010032
MFR.: 中山市泰然光电科技有限公司	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

H (DEG) V (DEG)	-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	10.6	9.40	13.0	16.9	21.1	21.2	21.1	20.8	20.2	19.4	18.5	17.5	16.5	15.5	14.5	13.7	13.1	12.8	12.8
-75	10.1	9.78	14.1	19.7	24.4	25.5	26.3	26.9	27.2	27.3	27.3	27.1	26.8	26.4	26.1	25.8	25.6	25.6	25.7
-70	9.49	10.2	15.2	22.5	27.7	29.7	31.4	33.0	34.2	35.2	36.0	36.6	37.1	37.4	37.7	37.9	38.1	38.4	38.6
-65	9.40	10.7	18.0	26.5	31.2	34.4	37.2	39.9	42.2	44.3	46.1	47.7	49.0	50.1	51.1	51.8	52.4	52.9	53.2
-60	9.30	11.1	20.8	30.5	34.8	39.0	43.0	46.8	50.2	53.4	56.2	58.8	61.0	62.9	64.4	65.7	66.7	67.4	67.9
-55	7.77	12.9	22.3	33.0	38.3	43.6	48.9	53.8	58.4	62.7	66.6	70.0	73.1	75.8	78.0	79.8	81.1	82.0	82.5
-50	6.24	14.7	23.7	35.4	41.9	48.2	54.7	60.8	66.6	71.9	76.9	81.3	85.3	88.7	91.6	93.9	95.6	96.7	97.2
-45	6.20	15.4	27.9	38.0	45.5	53.0	60.5	67.7	74.6	81.0	86.9	92.3	97.0	101	104	107	109	110	111
-40	6.16	16.1	32.1	40.5	49.0	57.7	66.3	74.6	82.6	90.1	96.9	103	109	113	117	120	122	124	124
-35	6.23	17.8	33.4	42.5	51.9	61.5	71.1	80.4	89.3	97.7	105	112	118	124	128	131	133	135	135
-30	6.29	19.5	34.8	44.6	54.9	65.4	75.9	86.2	96.1	105	114	122	128	134	138	142	144	146	146
-25	6.38	22.7	36.2	46.7	57.6	68.9	80.2	91.2	102	112	121	129	136	141	146	150	152	154	154
-20	6.47	25.8	37.7	48.8	60.4	72.4	84.5	96.2	107	118	127	136	143	149	154	158	160	161	162
-15	6.51	27.0	38.3	49.8	61.9	74.4	86.9	99.2	111	122	132	140	148	154	159	162	165	166	167
-10	6.55	28.1	38.9	50.8	63.4	76.3	89.3	102	114	126	136	145	152	158	163	167	170	171	172
-5	6.55	28.5	39.4	51.5	64.3	77.5	90.7	104	116	127	138	147	154	161	166	169	172	173	174
0	6.54	28.8	39.9	52.2	65.2	78.6	92.0	105	118	129	140	149	156	163	168	171	174	175	176
5	9.96	28.7	39.8	51.9	64.8	78.1	91.4	104	117	129	139	148	156	162	167	171	174	175	175
10	13.4	28.6	39.6	51.7	64.3	77.5	90.8	104	116	128	138	147	155	162	167	170	173	174	175
15	13.6	28.6	39.3	51.0	63.4	76.2	89.0	102	114	125	135	144	152	158	163	167	169	171	171
20	13.8	28.6	39.0	50.4	62.4	74.8	87.3	99.5	111	122	132	141	149	155	160	164	166	167	167
25	14.0	28.2	38.1	48.9	60.3	72.0	83.7	95.3	106	117	126	135	142	148	153	157	159	160	160
30	14.2	27.8	37.2	47.4	58.2	69.2	80.2	91.1	101	111	120	129	136	142	146	150	152	153	153
35	14.2	27.4	36.2	45.7	55.6	65.7	75.8	85.7	95.3	104	113	120	127	132	136	140	142	143	143
40	14.2	27.1	35.1	43.9	53.0	62.3	71.4	80.4	89.0	97.2	105	111	117	123	127	130	132	133	133
45	14.3	26.4	33.6	41.5	49.5	57.7	65.8	73.6	81.2	88.3	94.8	101	106	110	114	117	119	120	120
50	14.3	25.7	32.1	39.1	46.1	53.2	60.1	66.9	73.3	79.4	84.9	89.9	94.4	98.2	101	104	105	106	107
55	14.3	25.0	30.6	36.6	42.5	48.5	54.2	59.8	65.0	69.9	74.4	78.4	81.9	84.9	87.4	89.3	90.7	91.5	91.8
60	14.3	24.4	29.1	34.1	39.0	43.7	48.3	52.7	56.7	60.5	63.8	66.8	69.5	71.7	73.5	74.9	76.0	76.5	76.8
65	14.4	23.6	27.4	31.3	35.1	38.8	42.2	45.4	48.3	50.9	53.2	55.2	56.9	58.3	59.4	60.3	60.9	61.3	61.4
70	14.5	22.8	25.7	28.6	31.3	33.8	36.1	38.1	39.8	41.3	42.5	43.5	44.3	44.9	45.3	45.6	45.9	46.0	46.0
75	14.4	21.7	23.8	25.8	27.5	29.0	30.2	31.2	31.9	32.5	32.7	32.8	32.8	32.7	32.4	32.2	32.1	32.0	32.0
80	14.3	20.6	21.9	22.9	23.6	24.1	24.3	24.3	24.1	23.6	23.0	22.2	21.3	20.4	19.6	18.9	18.3	18.0	17.9
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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Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:34%
Test Distance:8.300m [K=1.0000]
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LUMINOUS DISTRIBUTION INTENSITY DATA

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DIM.:									SPEC.:					SERIAL No.:202010032				
MFR.: 中山市泰然光电科技有限公司									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	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	13.1	13.7	14.8	15.9	17.2	18.6	19.9	21.2	22.4	23.3	24.1	24.5	24.7	24.7	20.1	15.8	11.3	13.4	
-75	26.0	26.4	27.1	27.8	28.5	29.2	29.8	30.3	30.6	30.7	30.5	30.1	29.3	28.2	24.2	17.0	11.8	12.3	
-70	38.9	39.2	39.5	39.7	39.9	39.8	39.7	39.5	38.9	38.1	37.0	35.6	33.9	31.8	28.2	18.2	12.2	11.1	
-65	53.5	53.6	53.5	53.3	52.8	52.0	51.1	49.9	48.3	46.4	44.2	41.6	38.7	35.5	31.5	21.4	12.7	11.1	
-60	68.0	68.0	67.5	66.8	65.7	64.3	62.4	60.3	57.7	54.7	51.4	47.6	43.6	39.3	34.8	24.5	13.2	11.1	
-55	82.6	82.3	81.6	80.3	78.6	76.5	73.8	70.7	67.1	63.0	58.5	53.6	48.4	43.0	37.4	26.4	15.5	9.47	
-50	97.2	96.6	95.6	93.9	91.6	88.7	85.2	81.1	76.5	71.2	65.6	59.6	53.3	46.7	40.0	28.4	17.7	7.87	
-45	111	110	108	106	103	99.7	95.4	90.5	84.9	78.8	72.1	65.0	57.5	49.8	42.1	32.1	18.2	7.63	
-40	124	123	121	119	115	111	106	99.9	93.4	86.3	78.6	70.3	61.8	53.0	44.3	35.9	18.6	7.39	
-35	135	134	132	129	125	120	114	108	101	92.7	84.1	75.0	65.5	55.8	46.2	37.0	22.4	7.32	
-30	146	144	142	139	135	129	123	116	108	99.1	89.7	79.7	69.2	58.7	48.2	38.1	26.1	7.24	
-25	154	152	150	146	141	136	129	122	113	104	93.6	82.8	71.7	60.4	49.2	38.6	27.5	7.22	
-20	161	160	157	153	148	142	135	127	118	108	97.5	86.0	74.2	62.2	50.3	39.2	28.8	7.21	
-15	166	165	162	158	153	147	139	131	122	111	100	88.4	76.1	63.6	51.3	39.7	29.0	7.15	
-10	171	169	167	162	157	151	143	135	125	114	103	90.7	77.9	65.0	52.3	40.2	29.2	7.10	
-5	173	171	168	164	159	152	145	136	126	116	104	91.3	78.4	65.2	52.4	40.2	29.1	7.47	
0	175	173	170	166	160	154	146	137	128	117	105	91.9	78.8	65.5	52.5	40.2	29.0	7.84	
5	174	173	169	165	160	153	146	137	127	116	104	91.6	78.5	65.3	52.3	40.1	29.0	10.6	
10	174	172	169	165	159	153	145	136	126	116	104	91.2	78.2	65.0	52.2	40.0	29.0	13.4	
15	170	168	165	161	156	149	142	133	123	113	101	89.0	76.3	63.5	51.1	39.3	28.6	13.6	
20	166	165	162	157	152	146	139	130	120	110	98.7	86.7	74.5	62.0	50.0	38.6	28.1	13.8	
25	160	158	155	151	146	140	133	125	116	106	94.8	83.4	71.8	60.1	48.7	37.8	27.9	13.9	
30	153	151	148	145	140	134	127	119	111	101	90.9	80.1	69.2	58.1	47.3	37.0	27.6	14.0	
35	143	141	139	135	131	125	119	112	103	94.7	85.3	75.4	65.4	55.2	45.2	35.7	26.9	14.0	
40	133	131	129	125	121	116	110	104	96.3	88.3	79.8	70.8	61.6	52.2	43.2	34.5	26.3	14.0	
45	120	118	116	113	110	105	100	94.3	87.9	80.8	73.4	65.5	57.4	49.1	41.0	33.2	25.8	14.4	
50	106	106	104	101	98.2	94.5	90.0	84.9	79.4	73.3	66.9	60.2	53.1	45.9	38.8	31.9	25.4	14.7	
55	91.6	90.8	89.5	87.6	85.1	82.1	78.5	74.4	69.9	65.0	59.7	54.1	48.3	42.3	36.2	30.3	24.7	14.9	
60	76.7	76.2	75.2	73.8	71.9	69.6	66.9	63.9	60.4	56.7	52.5	48.1	43.5	38.6	33.7	28.8	24.0	15.0	
65	61.4	61.1	60.5	59.6	58.5	57.1	55.3	53.3	51.0	48.3	45.4	42.2	38.7	35.0	31.2	27.3	23.3	15.0	
70	46.0	45.9	45.8	45.5	45.1	44.5	43.7	42.7	41.5	40.0	38.3	36.3	34.0	31.4	28.7	25.8	22.7	14.9	
75	32.0	32.2	32.5	32.8	33.1	33.3	33.4	33.3	33.1	32.7	31.9	31.0	29.8	28.2	26.5	24.5	22.3	15.4	
80	18.0	18.5	19.2	20.1	21.1	22.2	23.1	24.0	24.7	25.3	25.6	25.7	25.5	25.0	24.2	23.2	21.9	15.9	
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:23.5DEG
Operators:QC1
Test Date:2020-11-09

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:34%
Test Distance:8.300m [K=1.0000]
Remarks: