

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P785369

Luminaire Tested: LERS6D02D010-EC6DR150210IC9035-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P785369
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LERS6D02D010-EC6DR150210IC9035-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 406.8 lumens
Efficiency: N/A
Efficacy: 79.8 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')
CIE Type: Direct

Input Watts (W): 5.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

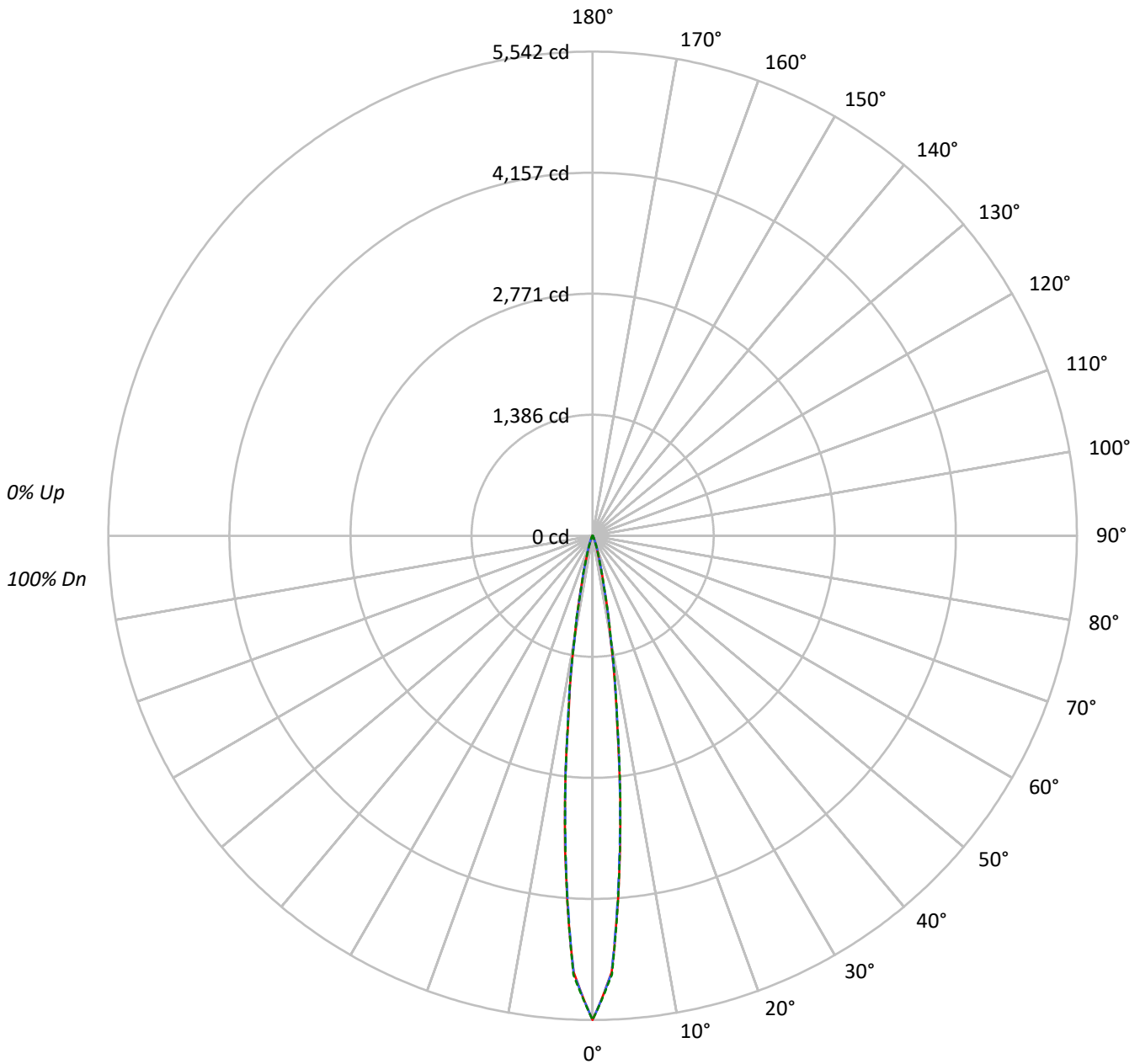


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0													
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						100													
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98						98													
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96						96													
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94						94													
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93						93													
5	106	101	98	95	104	100	97	95	99	96	94	97	95	93	96	94	92	92						92													
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90						90													
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89						89													
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88						88													
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87						87													
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86						86													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	623619	623619	623619
5°	366464	361718	364584
10°	109375	110140	111829
15°	27204	27733	26882
20°	8141	9426	8313
25°	2867	3654	2906
30°	1056	1385	1071
35°	530	595	508
40°	334	369	334
45°	245	266	245
50°	195	195	195
55°	160	160	160
60°	133	133	133
65°	100	100	100
70°	88	88	88
75°	53	53	68
80°	39	39	39
85°	17	17	17

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 266 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.8	64.9
10°-20°	108.5	26.7
20°-30°	21.5	5.3
30°-40°	5.4	1.3
40°-50°	2.8	0.7
50°-60°	2.1	0.5
60°-70°	1.5	0.4
70°-80°	0.8	0.2
80°-90°	0.3	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	393.9	96.8
0°-40°	399.3	98.2
0°-60°	404.2	99.4
0°-90°	406.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	406.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5542	5542	5542	5542	5542	
5°	3606	3569	3559	3584	3587	263
15°	313	319	319	314	310	107
25°	37	42	47	42	37	19
35°	7	8	8	8	7	5
45°	4	4	4	4	4	3
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5542.3	5542.3	5542.3	5542.3	5542.3
2.5°	4999.4	5003.6	5005.2	5010.1	5028.4
5°	3605.9	3568.9	3559.2	3583.9	3587.4
7.5°	2136.0	2143.5	2171.0	2177.1	2155.0
10°	1172.2	1181.8	1180.4	1188.8	1198.5
12.5°	599.5	592.0	589.6	599.2	585.9
15°	313.2	319.1	319.3	313.7	309.5
17.5°	168.5	175.3	186.5	177.4	163.3
20°	99.5	105.6	115.2	107.7	101.6
22.5°	61.5	66.4	73.2	67.3	62.4
25°	36.8	41.8	46.9	41.5	37.3
27.5°	21.8	26.0	29.3	25.8	21.6
30°	14.1	16.4	18.5	16.2	14.3
32.5°	9.9	10.8	11.7	10.8	9.9
35°	7.3	7.7	8.2	7.7	7.0
37.5°	5.6	6.1	6.3	5.9	5.4
40°	4.7	4.9	5.2	4.9	4.7
42.5°	4.0	4.2	4.2	4.2	4.0
45°	3.5	3.5	3.8	3.5	3.5
47.5°	3.1	3.1	3.3	3.1	3.1
50°	2.8	2.8	2.8	2.8	2.8
52.5°	2.6	2.6	2.6	2.6	2.6
55°	2.3	2.3	2.3	2.3	2.3
57.5°	2.1	2.1	2.1	2.1	2.1
60°	1.9	1.9	1.9	1.9	1.9
62.5°	1.6	1.6	1.6	1.6	1.6
65°	1.4	1.4	1.4	1.4	1.4
67.5°	1.4	1.4	1.4	1.4	1.4
70°	1.2	1.2	1.2	1.2	1.2
72.5°	0.9	0.9	0.9	0.9	0.9
75°	0.7	0.7	0.7	0.7	0.9
77.5°	0.7	0.7	0.7	0.7	0.7
80°	0.5	0.5	0.5	0.5	0.5
82.5°	0.5	0.5	0.5	0.5	0.5
85°	0.2	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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