

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: P786957

Luminaire Tested: LER6D02D010-EC6DR150210IC9035-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P786957
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: LER6D02D010-EC6DR150210IC9035-6LBS1LI
Description: 6 INCH ROUND SHALLOW 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: 427.1 lumens
Efficiency: N/A
Efficacy: 83.7 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

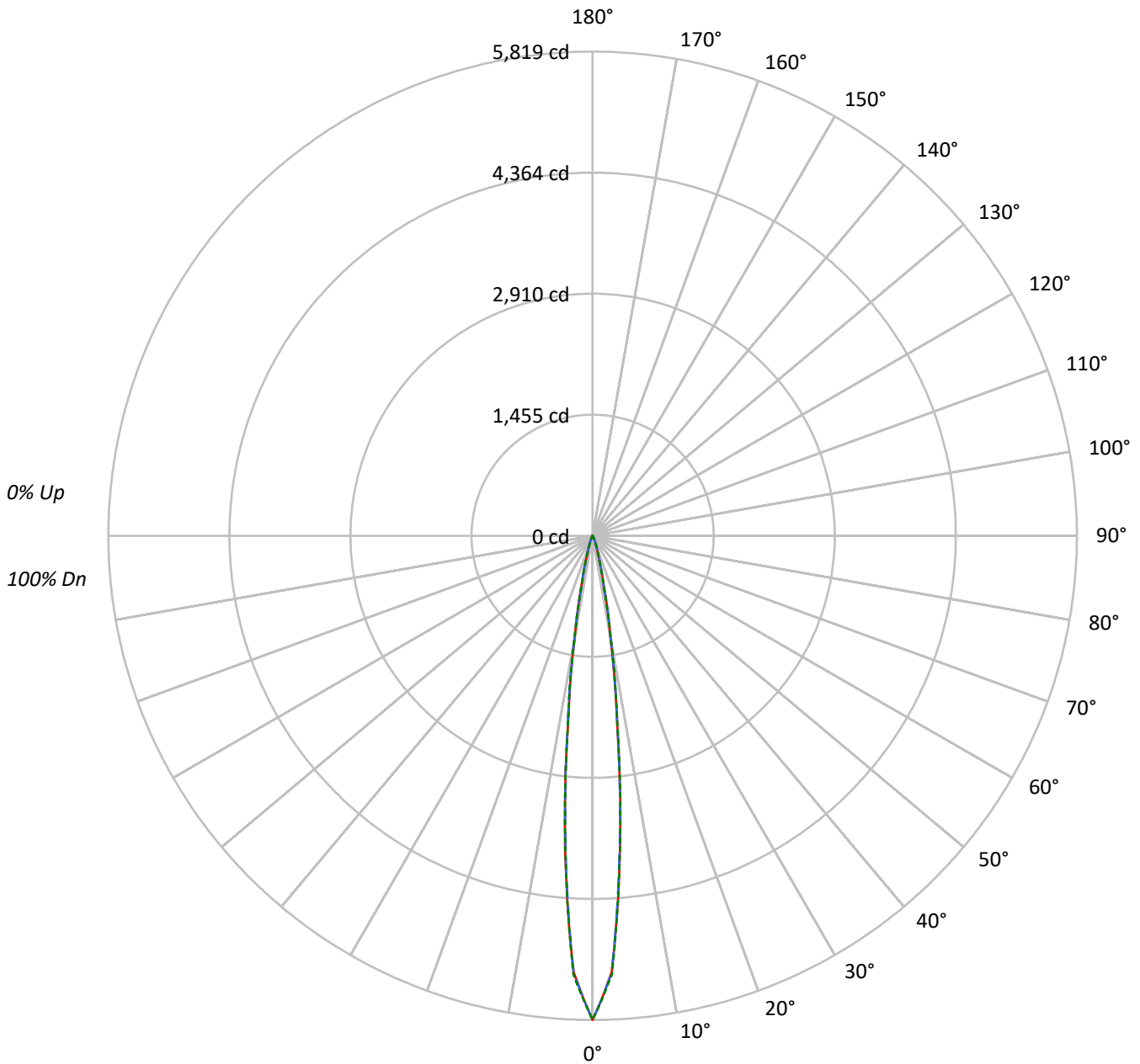


Downlight

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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	99	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°	654799	654799	654799
5°	384787	379808	382816
10°	114843	115645	117418
15°	28567	29123	28220
20°	8550	9901	8730
25°	3015	3841	3054
30°	1108	1460	1123
35°	552	625	537
40°	348	383	348
45°	259	273	259
50°	209	209	209
55°	174	174	174
60°	140	140	140
65°	107	107	107
70°	88	88	88
75°	53	53	76
80°	39	39	39
85°	17	17	17

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 273 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	277.0	64.9
10°-20°	113.9	26.7
20°-30°	22.6	5.3
30°-40°	5.6	1.3
40°-50°	3.0	0.7
50°-60°	2.2	0.5
60°-70°	1.6	0.4
70°-80°	0.9	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°	413.6	96.8
0°-40°	419.2	98.2
0°-60°	424.4	99.4
0°-90°	427.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	427.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5819	5819	5819	5819	5819	
5°	3786	3747	3737	3763	3767	276
15°	329	335	335	329	325	113
25°	39	44	49	44	39	20
35°	8	8	9	8	7	5
45°	4	4	4	4	4	3
55°	2	2	2	2	2	2
65°	2	2	2	2	2	2
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°	5819.4	5819.4	5819.4	5819.4	5819.4
2.5°	5249.3	5253.8	5255.5	5260.7	5279.9
5°	3786.2	3747.3	3737.2	3763.1	3766.8
7.5°	2242.8	2250.7	2279.5	2285.9	2262.8
10°	1230.8	1240.9	1239.4	1248.3	1258.4
12.5°	629.4	621.6	619.1	629.2	615.1
15°	328.9	335.0	335.3	329.4	324.9
17.5°	176.9	184.0	195.9	186.2	171.5
20°	104.5	110.9	121.0	113.1	106.7
22.5°	64.5	69.7	76.9	70.7	65.5
25°	38.7	43.9	49.3	43.6	39.2
27.5°	22.9	27.3	30.8	27.1	22.7
30°	14.8	17.2	19.5	17.0	15.0
32.5°	10.3	11.3	12.3	11.3	10.3
35°	7.6	8.1	8.6	8.1	7.4
37.5°	5.9	6.4	6.7	6.2	5.7
40°	4.9	5.2	5.4	5.2	4.9
42.5°	4.2	4.4	4.4	4.4	4.2
45°	3.7	3.7	3.9	3.7	3.7
47.5°	3.2	3.2	3.4	3.2	3.2
50°	3.0	3.0	3.0	3.0	3.0
52.5°	2.7	2.7	2.7	2.7	2.7
55°	2.5	2.5	2.5	2.5	2.5
57.5°	2.2	2.2	2.2	2.2	2.2
60°	2.0	2.0	2.0	2.0	2.0
62.5°	1.7	1.7	1.7	1.7	1.7
65°	1.5	1.5	1.5	1.5	1.5
67.5°	1.5	1.5	1.5	1.5	1.5
70°	1.2	1.2	1.2	1.2	1.2
72.5°	1.0	1.0	1.0	1.0	1.0
75°	0.7	0.7	0.7	0.7	1.0
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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(END OF REPORT)