

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: P786314

Luminaire Tested: LERS6D10D010-EC6DR150210IC9050-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P786314
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: LERS6D10D010-EC6DR150210IC9050-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1243.8 lumens
Efficiency: N/A
Efficacy: 106.3 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): 11.7
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

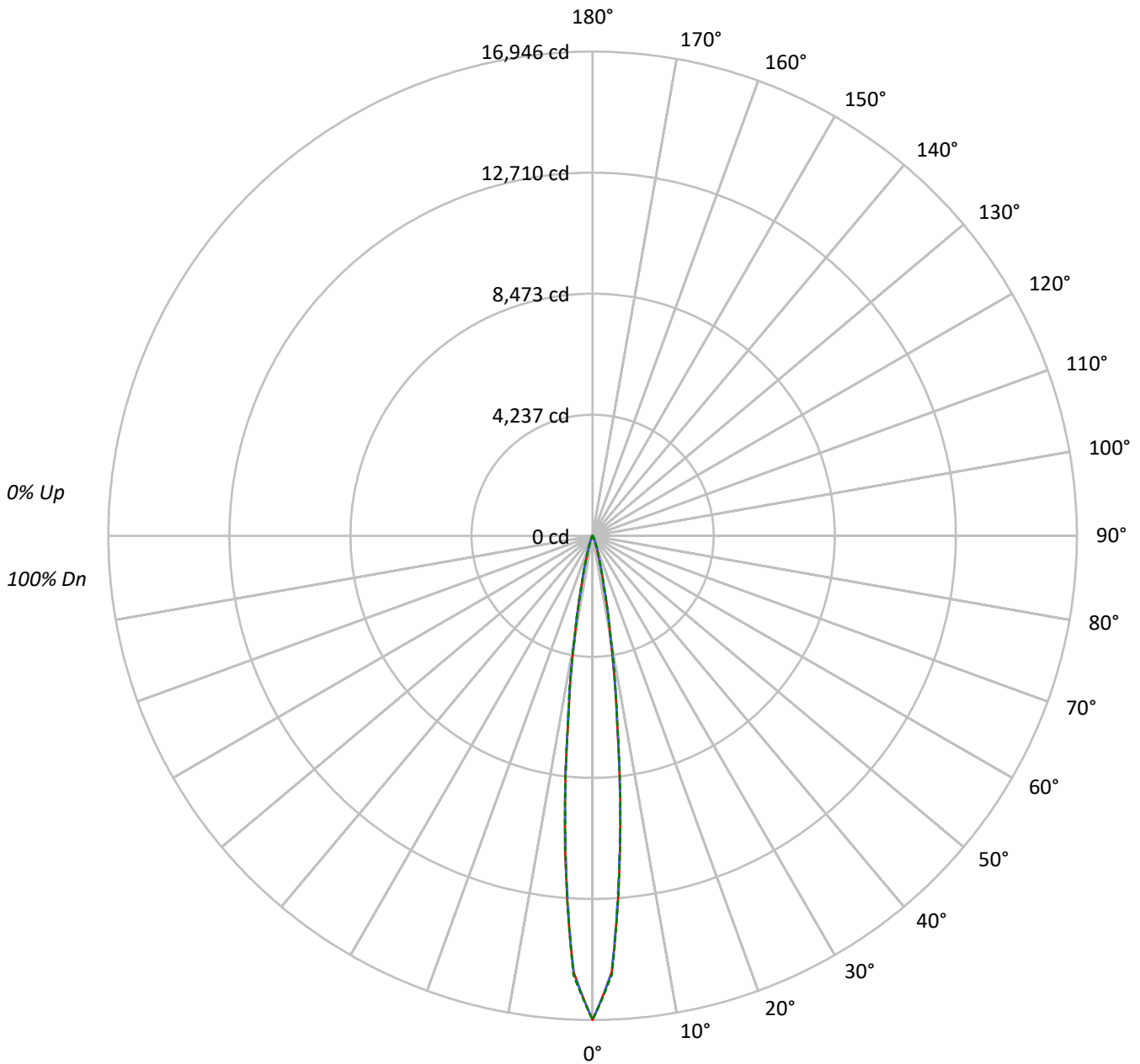


Downlight

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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	98	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°	1906797	1906797	1906797
5°	1120530	1106017	1114767
10°	334424	336766	341926
15°	83183	84807	82184
20°	24890	28818	25414
25°	8772	11179	8888
30°	3220	4246	3280
35°	1612	1823	1561
40°	1016	1122	1016
45°	756	805	756
50°	598	598	598
55°	501	501	501
60°	400	400	400
65°	307	307	307
70°	263	263	263
75°	166	166	219
80°	110	110	110
85°	58	58	58

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 805 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	806.7	64.9
10°-20°	331.8	26.7
20°-30°	65.9	5.3
30°-40°	16.5	1.3
40°-50°	8.6	0.7
50°-60°	6.4	0.5
60°-70°	4.5	0.4
70°-80°	2.6	0.2
80°-90°	0.8	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°	1204.4	96.8
0°-40°	1220.8	98.2
0°-60°	1235.9	99.4
0°-90°	1243.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1243.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	16946	16946	16946	16946	16946	
5°	11026	10912	10883	10958	10969	805
15°	958	976	976	959	946	328
25°	113	128	144	127	114	59
35°	22	24	25	24	22	15
45°	11	11	12	11	11	8
55°	7	7	7	7	7	6
65°	4	4	4	4	4	5
75°	2	2	2	2	3	3
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	16946.3	16946.3	16946.3	16946.3	16946.3
2.5°	15286.3	15299.2	15304.2	15319.3	15375.2
5°	11025.7	10912.3	10882.9	10958.2	10969.0
7.5°	6531.2	6554.1	6638.1	6656.7	6589.3
10°	3584.1	3613.5	3609.2	3635.0	3664.5
12.5°	1832.9	1810.0	1802.8	1832.2	1791.3
15°	957.7	975.7	976.4	959.2	946.2
17.5°	515.1	535.9	570.3	542.4	499.3
20°	304.2	322.8	352.2	329.3	310.6
22.5°	188.0	203.0	223.8	205.9	190.8
25°	112.6	127.7	143.5	127.0	114.1
27.5°	66.7	79.6	89.7	78.9	66.0
30°	43.0	50.2	56.7	49.5	43.8
32.5°	30.1	33.0	35.9	33.0	30.1
35°	22.2	23.7	25.1	23.7	21.5
37.5°	17.2	18.7	19.4	17.9	16.5
40°	14.3	15.1	15.8	15.1	14.3
42.5°	12.2	12.9	12.9	12.9	12.2
45°	10.8	10.8	11.5	10.8	10.8
47.5°	9.3	9.3	10.0	9.3	9.3
50°	8.6	8.6	8.6	8.6	8.6
52.5°	7.9	7.9	7.9	7.9	7.9
55°	7.2	7.2	7.2	7.2	7.2
57.5°	6.5	6.5	6.5	6.5	6.5
60°	5.7	5.7	5.7	5.7	5.7
62.5°	5.0	5.0	5.0	5.0	5.0
65°	4.3	4.3	4.3	4.3	4.3
67.5°	4.3	4.3	4.3	4.3	4.3
70°	3.6	3.6	3.6	3.6	3.6
72.5°	2.9	2.9	2.9	2.9	2.9
75°	2.2	2.2	2.2	2.2	2.9
77.5°	2.2	2.2	2.2	2.2	2.2
80°	1.4	1.4	1.4	1.4	1.4
82.5°	1.4	1.4	1.4	1.4	1.4
85°	0.7	0.7	0.7	0.7	0.7
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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