

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: P785429

Luminaire Tested: LERS6D02D010-EC6DR300210IC9024-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P785429
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LERS6D02D010-EC6DR300210IC9024-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 567.3 lumens
Efficiency: N/A
Efficacy: 111.2 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
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

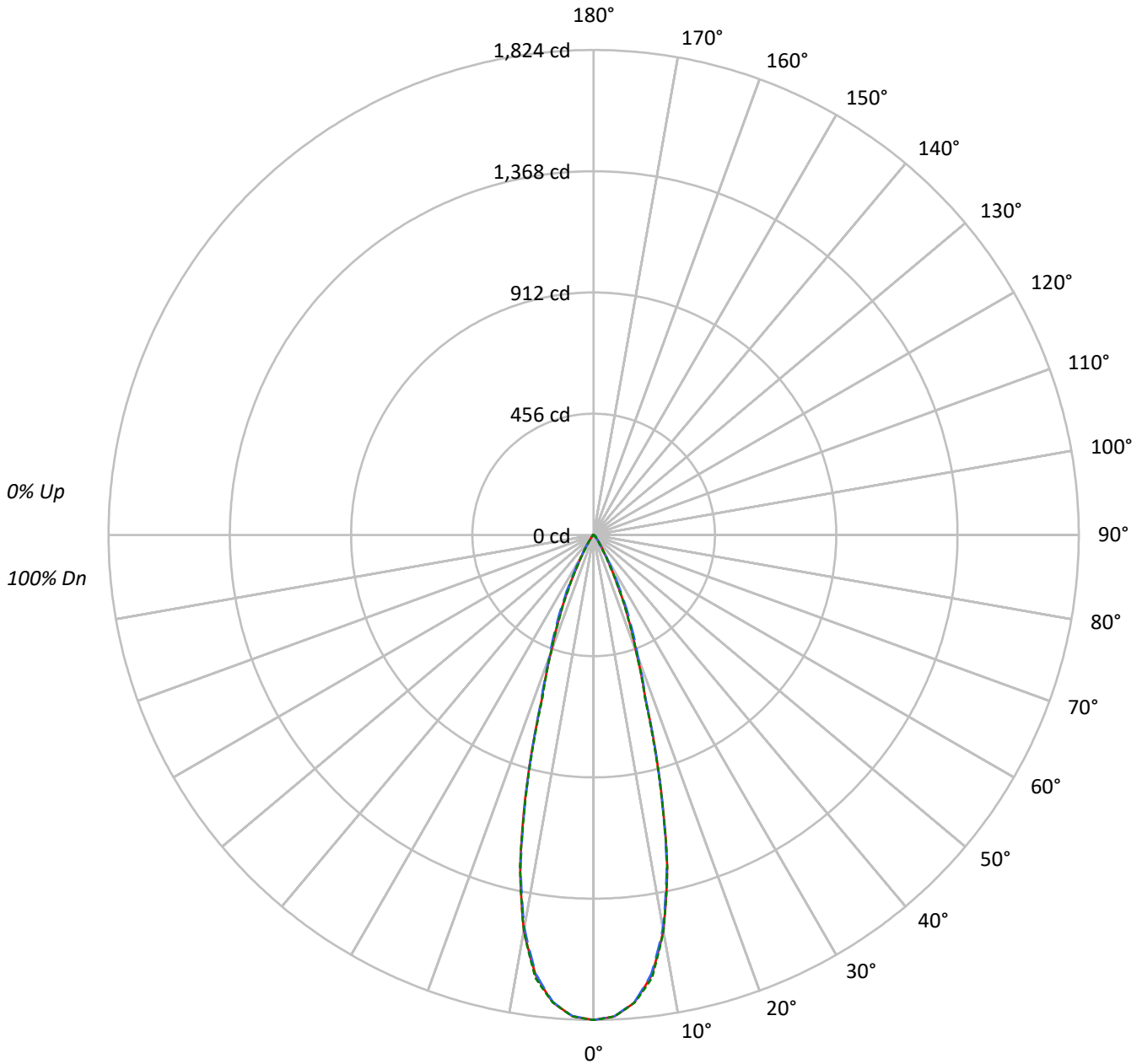


Downlight

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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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	139630	139630	139630
5°	135623	135461	135631
10°	117472	116641	117441
15°	76644	76232	75852
20°	38113	39539	38056
25°	19197	21646	18808
30°	7689	8379	6700
35°	3569	3411	2859
40°	1539	1709	1449
45°	1082	1342	1093
50°	369	976	393
55°	214	400	227
60°	153	184	153
65°	91	91	91
70°	67	45	67
75°	0	30	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 1342 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.4	28.3
10°-20°	258.3	45.5
20°-30°	111.6	19.7
30°-40°	25.4	4.5
40°-50°	8.7	1.5
50°-60°	2.1	0.4
60°-70°	0.6	0.1
70°-80°	0.1	0.0
80°-90°	0.0	0.0
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°	530.4	93.5
0°-40°	555.8	98.0
0°-60°	566.7	99.9
0°-90°	567.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	567.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1824	1824	1824	1824	1824	
5°	1765	1763	1763	1767	1765	161
15°	967	956	962	959	957	259
25°	227	236	256	230	223	109
35°	38	39	36	36	31	26
45°	10	12	12	12	10	7
55°	2	2	3	2	2	2
65°	0	0	0	0	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1824.2	1824.2	1824.2	1824.2	1824.2
2.5°	1812.1	1810.9	1811.6	1812.5	1812.8
5°	1765.1	1763.4	1763.0	1766.7	1765.2
7.5°	1670.3	1667.8	1664.2	1672.5	1680.3
10°	1511.4	1508.7	1500.7	1504.6	1511.0
12.5°	1276.8	1268.1	1267.9	1280.5	1278.8
15°	967.2	955.5	962.0	958.9	957.2
17.5°	650.4	645.9	654.5	651.9	640.7
20°	467.9	469.0	485.4	477.2	467.2
22.5°	341.4	345.6	365.1	343.8	336.0
25°	227.3	235.9	256.3	229.9	222.7
27.5°	139.8	143.7	164.4	138.0	134.1
30°	87.0	85.0	94.8	81.3	75.8
32.5°	57.1	54.5	57.7	51.8	47.3
35°	38.2	39.0	36.5	36.3	30.6
37.5°	23.8	27.4	24.2	25.8	19.7
40°	15.4	19.9	17.1	18.9	14.5
42.5°	12.6	15.3	14.1	15.0	12.9
45°	10.0	12.4	12.4	12.4	10.1
47.5°	5.6	8.3	10.7	8.5	5.9
50°	3.1	4.2	8.2	4.4	3.3
52.5°	2.1	2.4	5.6	2.5	2.2
55°	1.6	1.7	3.0	1.8	1.7
57.5°	1.3	1.3	1.6	1.3	1.3
60°	1.0	1.0	1.2	1.1	1.0
62.5°	0.7	0.7	0.8	0.7	0.7
65°	0.5	0.5	0.5	0.5	0.5
67.5°	0.3	0.4	0.4	0.4	0.4
70°	0.3	0.2	0.2	0.2	0.3
72.5°	0.2	0.1	0.1	0.1	0.1
75°	0.0	0.0	0.1	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
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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