

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: P786674

Luminaire Tested: LERS6D15D010-EC6DR300215IC9024-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P786674
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: LERS6D15D010-EC6DR300215IC9024-6LBS1LI
Description: 6 INCH ROUND SHALLOW 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: 2295.3 lumens
Efficiency: N/A
Efficacy: 145.3 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): 15.8
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

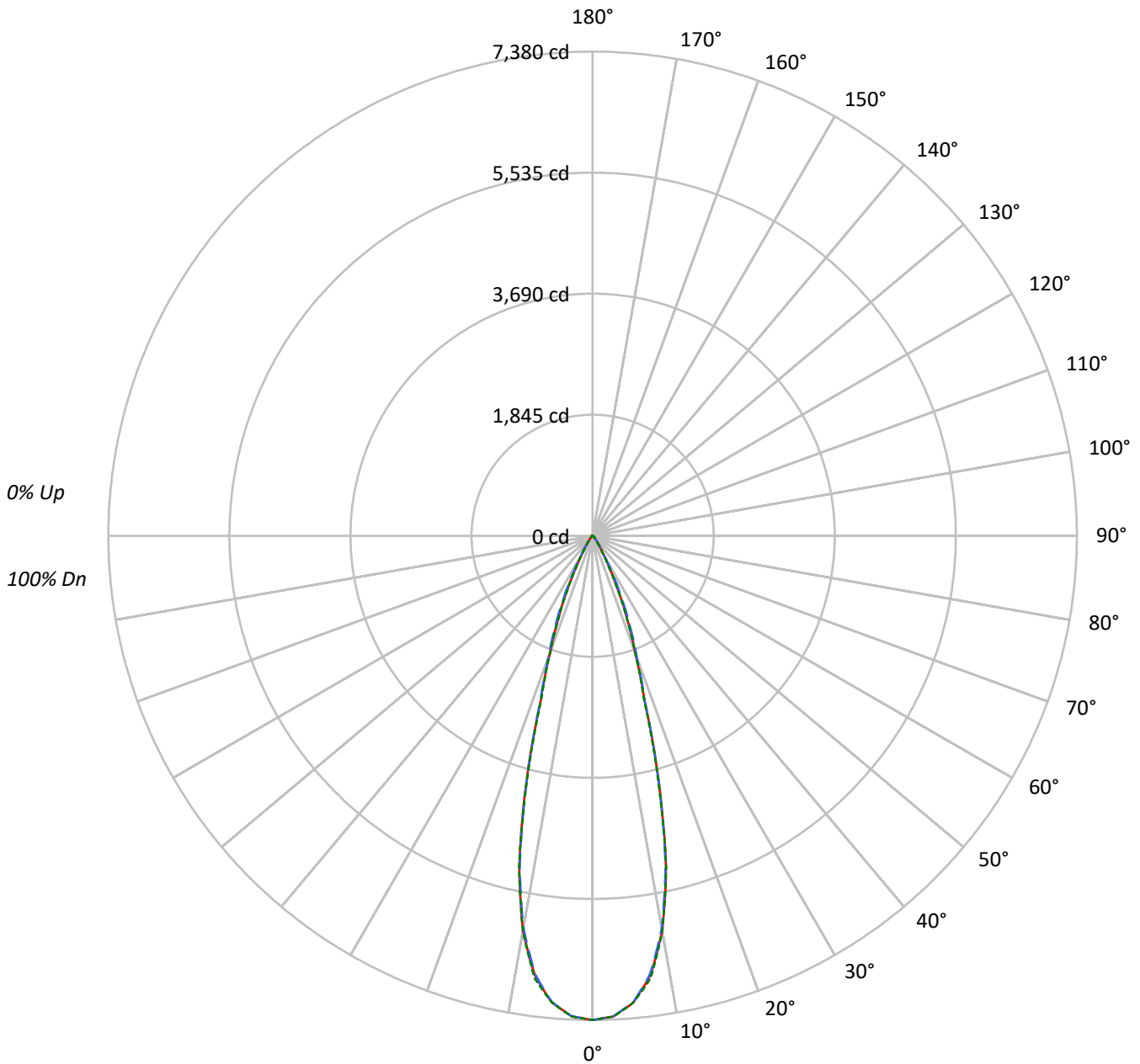


Downlight

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	564921	564921	564921
5°	548700	548062	548730
10°	475260	471910	475144
15°	310080	308416	306863
20°	154188	159971	153984
25°	77666	87581	76078
30°	31094	33887	27090
35°	14427	13811	11577
40°	6225	6914	5865
45°	4395	5456	4427
50°	1512	3965	1596
55°	867	1641	921
60°	612	720	612
65°	398	398	398
70°	246	157	246
75°	0	118	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 5456 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	649.0	28.3
10°-20°	1045.2	45.5
20°-30°	451.7	19.7
30°-40°	102.9	4.5
40°-50°	35.4	1.5
50°-60°	8.6	0.4
60°-70°	2.2	0.1
70°-80°	0.2	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°	2145.9	93.5
0°-40°	2248.8	98.0
0°-60°	2292.8	99.9
0°-90°	2295.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2295.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7380	7380	7380	7380	7380	
5°	7141	7134	7133	7148	7142	650
15°	3913	3866	3892	3879	3872	1048
25°	920	954	1037	930	901	440
35°	154	158	148	147	124	105
45°	41	50	50	50	41	29
55°	6	7	12	7	7	6
65°	2	2	2	2	2	2
75°	0	0	0	0	0	0
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°	7380.4	7380.4	7380.4	7380.4	7380.4
2.5°	7331.4	7326.4	7329.3	7332.9	7334.3
5°	7141.2	7134.3	7132.9	7147.7	7141.6
7.5°	6757.5	6747.7	6732.8	6766.5	6798.1
10°	6114.7	6103.8	6071.6	6087.5	6113.2
12.5°	5165.7	5130.5	5129.8	5180.5	5173.6
15°	3913.0	3865.9	3892.0	3879.3	3872.4
17.5°	2631.4	2613.3	2648.1	2637.6	2592.3
20°	1892.9	1897.6	1963.9	1930.6	1890.4
22.5°	1381.3	1398.3	1476.9	1391.1	1359.5
25°	919.6	954.4	1037.0	930.2	900.8
27.5°	565.6	581.6	665.3	558.4	542.4
30°	351.8	343.9	383.4	329.0	306.5
32.5°	230.8	220.7	233.4	209.4	191.3
35°	154.4	157.6	147.8	146.8	123.9
37.5°	96.4	110.9	97.8	104.4	79.7
40°	62.3	80.4	69.2	76.5	58.7
42.5°	51.1	62.0	56.9	60.5	52.2
45°	40.6	50.4	50.4	50.4	40.9
47.5°	22.5	33.7	43.1	34.4	23.9
50°	12.7	17.0	33.3	17.8	13.4
52.5°	8.7	9.8	22.8	10.1	9.1
55°	6.5	6.9	12.3	7.2	6.9
57.5°	5.1	5.4	6.5	5.4	5.1
60°	4.0	4.0	4.7	4.3	4.0
62.5°	2.9	2.9	3.3	2.9	2.9
65°	2.2	2.2	2.2	2.2	2.2
67.5°	1.1	1.4	1.4	1.4	1.4
70°	1.1	0.7	0.7	0.7	1.1
72.5°	0.7	0.4	0.4	0.4	0.4
75°	0.0	0.0	0.4	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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(END OF REPORT)