

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: P786693

Luminaire Tested: LERS6D15D010-EC6DR300215IC9050-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P786693
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-EC6DR300215IC9050-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2820.5 lumens
Efficiency: N/A
Efficacy: 178.5 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

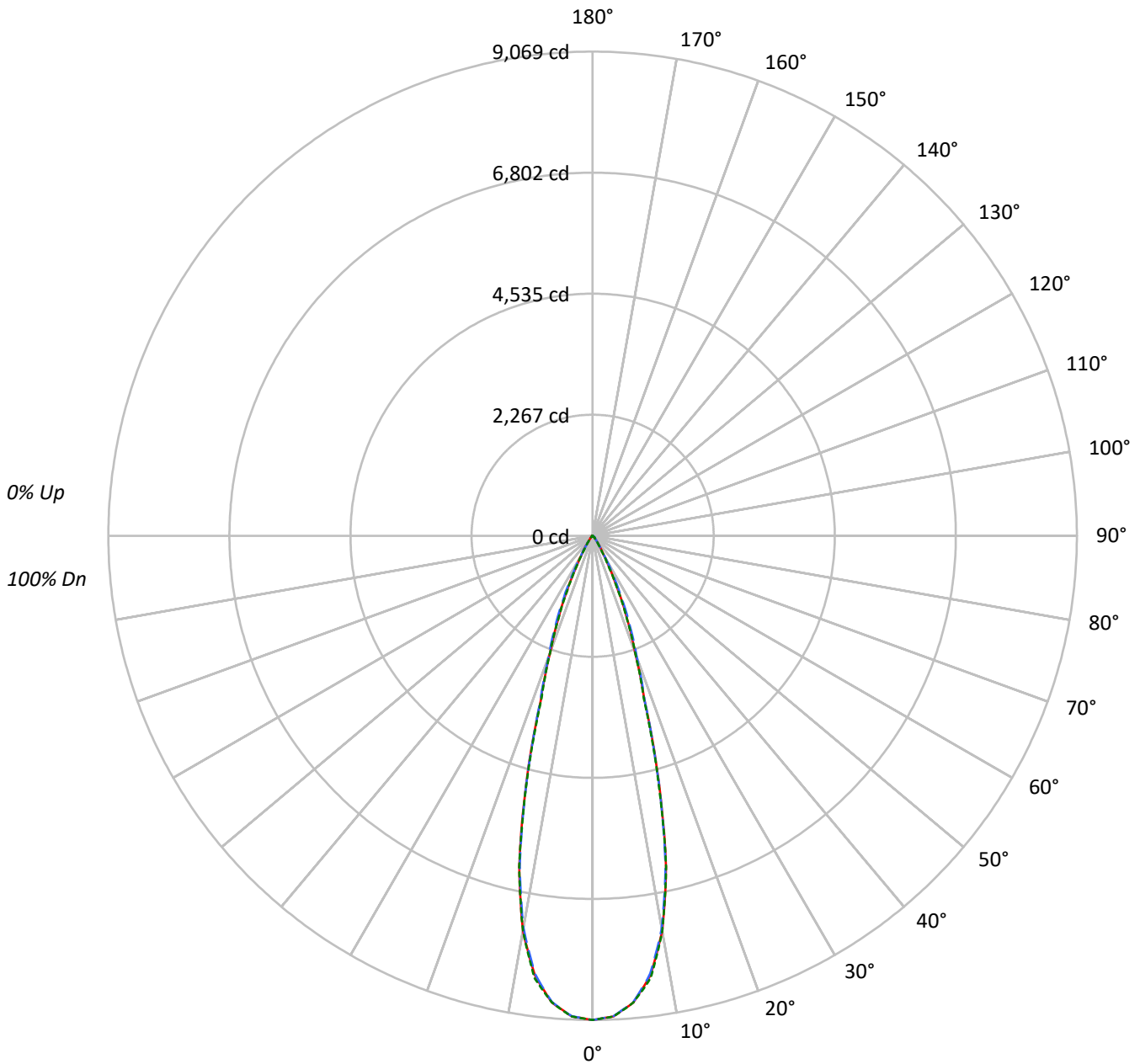


Downlight

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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°	694187	694187	694187
5°	674257	673473	674295
10°	584012	579892	583872
15°	381035	378990	377088
20°	189474	196585	189222
25°	95444	107631	93485
30°	38218	41638	33295
35°	17726	16978	14231
40°	7654	8493	7204
45°	5402	6701	5445
50°	1858	4882	1965
55°	1068	2015	1134
60°	750	888	750
65°	489	489	489
70°	291	201	291
75°	0	118	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 6701 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	797.5	28.3
10°-20°	1284.4	45.5
20°-30°	555.0	19.7
30°-40°	126.5	4.5
40°-50°	43.4	1.5
50°-60°	10.6	0.4
60°-70°	2.8	0.1
70°-80°	0.3	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°	2636.9	93.5
0°-40°	2763.4	98.0
0°-60°	2817.5	99.9
0°-90°	2820.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2820.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9069	9069	9069	9069	9069	
5°	8775	8767	8765	8783	8776	798
15°	4808	4751	4783	4767	4759	1288
25°	1130	1173	1274	1143	1107	541
35°	190	194	182	180	152	129
45°	50	62	62	62	50	35
55°	8	8	15	9	8	8
65°	3	3	3	3	3	3
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°	9069.2	9069.2	9069.2	9069.2	9069.2
2.5°	9009.1	9002.9	9006.4	9010.9	9012.7
5°	8775.3	8766.9	8765.1	8783.4	8775.8
7.5°	8303.8	8291.8	8273.5	8314.9	8353.7
10°	7513.9	7500.5	7460.9	7480.5	7512.1
12.5°	6347.7	6304.5	6303.7	6366.0	6357.5
15°	4808.4	4750.6	4782.6	4767.0	4758.6
17.5°	3233.5	3211.3	3254.0	3241.1	3185.4
20°	2326.1	2331.9	2413.4	2372.4	2323.0
22.5°	1697.4	1718.3	1814.9	1709.4	1670.6
25°	1130.1	1172.8	1274.4	1143.0	1106.9
27.5°	695.1	714.7	817.5	686.2	666.6
30°	432.4	422.6	471.1	404.3	376.7
32.5°	283.6	271.2	286.8	257.4	235.1
35°	189.7	193.7	181.7	180.3	152.3
37.5°	118.4	136.3	120.2	128.2	98.0
40°	76.6	98.8	85.0	94.0	72.1
42.5°	62.8	76.1	69.9	74.4	64.1
45°	49.9	61.9	61.9	61.9	50.3
47.5°	27.6	41.4	53.0	42.3	29.4
50°	15.6	20.9	41.0	21.8	16.5
52.5°	10.7	12.0	28.1	12.5	11.1
55°	8.0	8.5	15.1	8.9	8.5
57.5°	6.2	6.7	8.0	6.7	6.2
60°	4.9	4.9	5.8	5.3	4.9
62.5°	3.6	3.6	4.0	3.6	3.6
65°	2.7	2.7	2.7	2.7	2.7
67.5°	1.3	1.8	1.8	1.8	1.8
70°	1.3	0.9	0.9	0.9	1.3
72.5°	0.9	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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