

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: P786684

Luminaire Tested: LERS6D15D010-EC6DR300215IC9035-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P786684
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-EC6DR300215IC9035-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2480.0 lumens
Efficiency: N/A
Efficacy: 157.0 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

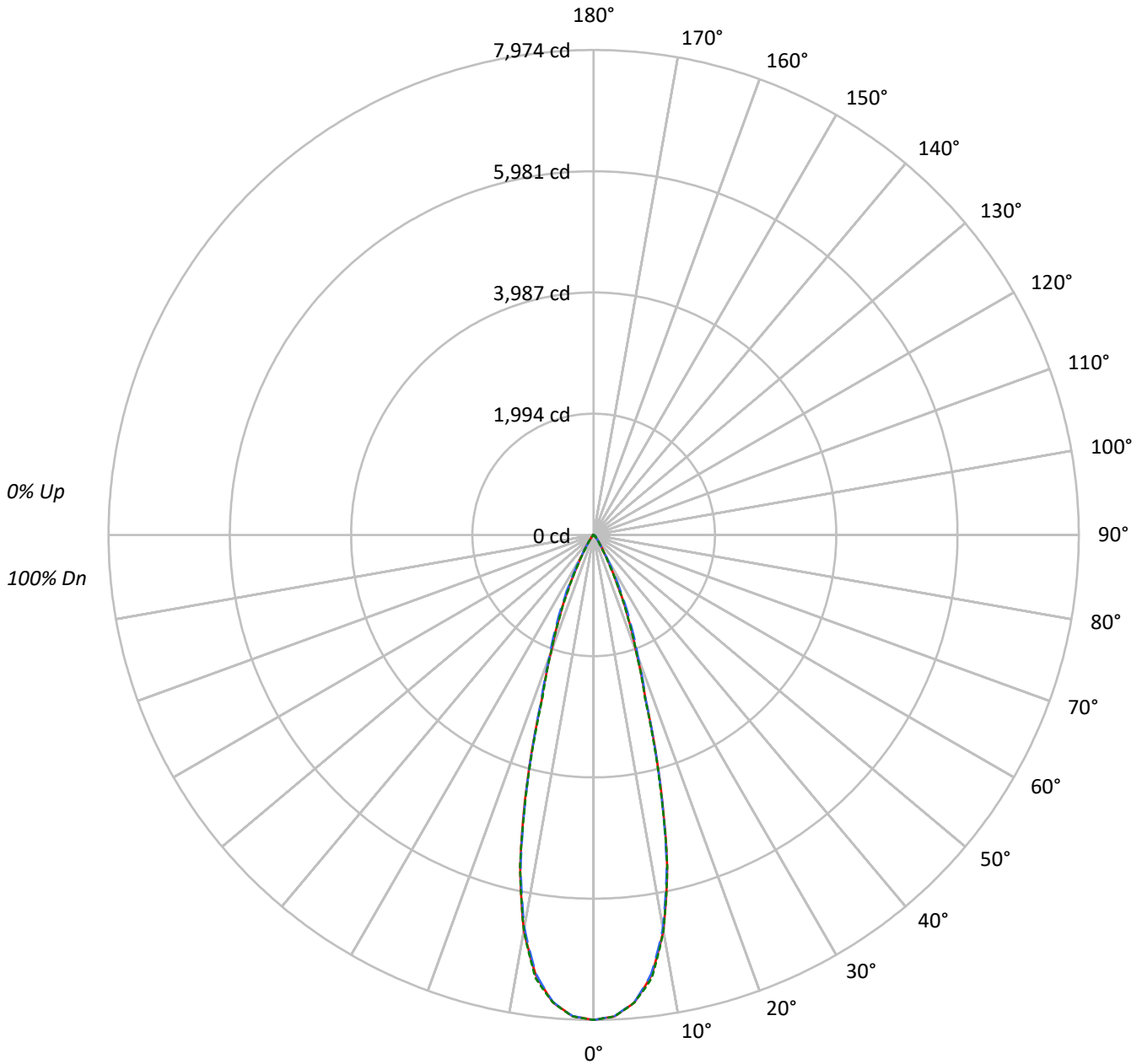


Downlight

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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°	610380	610380	610380
5°	592857	592166	592888
10°	513508	509886	513384
15°	335042	333235	331563
20°	166602	172849	166373
25°	83924	94633	82201
30°	33604	36609	29273
35°	15586	14923	12512
40°	6725	7474	6335
45°	4741	5889	4785
50°	1631	4287	1727
55°	934	1775	988
60°	658	781	658
65°	417	417	417
70°	269	179	269
75°	0	118	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 5889 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	701.2	28.3
10°-20°	1129.3	45.5
20°-30°	488.0	19.7
30°-40°	111.2	4.5
40°-50°	38.2	1.5
50°-60°	9.3	0.4
60°-70°	2.4	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°	2318.6	93.5
0°-40°	2429.8	98.0
0°-60°	2477.3	99.9
0°-90°	2480.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2480.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7974	7974	7974	7974	7974	
5°	7716	7708	7707	7723	7716	702
15°	4228	4177	4205	4192	4184	1132
25°	994	1031	1120	1005	973	476
35°	167	170	160	159	134	113
45°	44	54	54	54	44	31
55°	7	7	13	8	7	7
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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7974.3	7974.3	7974.3	7974.3	7974.3
2.5°	7921.5	7916.0	7919.1	7923.1	7924.6
5°	7715.9	7708.5	7706.9	7723.0	7716.3
7.5°	7301.3	7290.8	7274.7	7311.1	7345.2
10°	6606.8	6595.0	6560.2	6577.4	6605.2
12.5°	5581.4	5543.4	5542.7	5597.5	5590.0
15°	4228.0	4177.1	4205.2	4191.5	4184.1
17.5°	2843.2	2823.6	2861.2	2849.8	2800.9
20°	2045.3	2050.4	2122.0	2086.0	2042.5
22.5°	1492.4	1510.8	1595.8	1503.0	1469.0
25°	993.7	1031.2	1120.5	1005.0	973.3
27.5°	611.2	628.4	718.8	603.3	586.1
30°	380.2	371.5	414.2	355.5	331.2
32.5°	249.4	238.4	252.1	226.3	206.7
35°	166.8	170.3	159.7	158.6	133.9
37.5°	104.1	119.8	105.7	112.8	86.1
40°	67.3	86.9	74.8	82.6	63.4
42.5°	55.2	66.9	61.5	65.4	56.4
45°	43.8	54.4	54.4	54.4	44.2
47.5°	24.3	36.4	46.6	37.2	25.8
50°	13.7	18.4	36.0	19.2	14.5
52.5°	9.4	10.6	24.7	11.0	9.8
55°	7.0	7.4	13.3	7.8	7.4
57.5°	5.5	5.9	7.0	5.9	5.5
60°	4.3	4.3	5.1	4.7	4.3
62.5°	3.1	3.1	3.5	3.1	3.1
65°	2.3	2.3	2.3	2.3	2.3
67.5°	1.2	1.6	1.6	1.6	1.6
70°	1.2	0.8	0.8	0.8	1.2
72.5°	0.8	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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