

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P785439

Luminaire Tested: LERS6D02D010-EC6DR300210IC9030-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P785439
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-EC6DR300210IC9030-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 618.2 lumens
Efficiency: N/A
Efficacy: 121.2 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

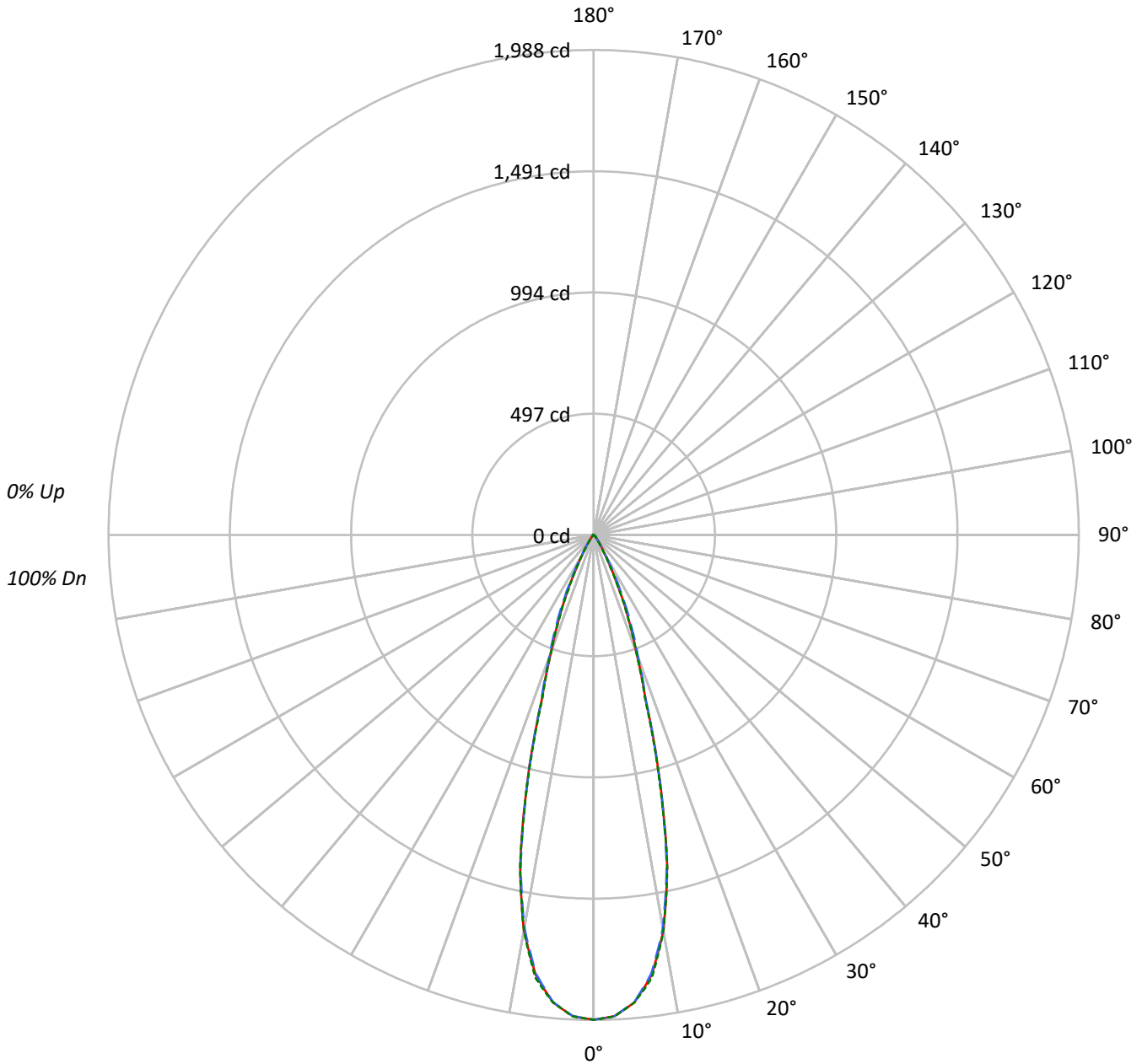
Input Watts (W): 5.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	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°	152138	152138	152138
5°	147763	147594	147771
10°	127988	127087	127957
15°	83507	83055	82643
20°	41526	43082	41469
25°	20920	23589	20489
30°	8379	9121	7301
35°	3887	3719	3121
40°	1679	1859	1579
45°	1180	1472	1191
50°	405	1072	429
55°	240	440	254
60°	168	199	168
65°	109	109	109
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: 1472 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.8	28.3
10°-20°	281.5	45.5
20°-30°	121.6	19.7
30°-40°	27.7	4.5
40°-50°	9.5	1.5
50°-60°	2.3	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°	577.9	93.5
0°-40°	605.6	98.0
0°-60°	617.5	99.9
0°-90°	618.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	618.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1988	1988	1988	1988	1988	
5°	1923	1921	1921	1925	1923	175
15°	1054	1041	1048	1045	1043	282
25°	248	257	279	250	243	119
35°	42	42	40	40	33	28
45°	11	14	14	14	11	8
55°	2	2	3	2	2	2
65°	1	1	1	1	1	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°	1987.6	1987.6	1987.6	1987.6	1987.6
2.5°	1974.4	1973.0	1973.8	1974.8	1975.2
5°	1923.1	1921.3	1920.9	1924.9	1923.2
7.5°	1819.8	1817.2	1813.2	1822.2	1830.7
10°	1646.7	1643.8	1635.1	1639.4	1646.3
12.5°	1391.1	1381.7	1381.5	1395.1	1393.3
15°	1053.8	1041.1	1048.1	1044.7	1042.9
17.5°	708.6	703.8	713.1	710.3	698.1
20°	509.8	511.0	528.9	519.9	509.1
22.5°	372.0	376.6	397.7	374.6	366.1
25°	247.7	257.0	279.3	250.5	242.6
27.5°	152.3	156.6	179.2	150.4	146.1
30°	94.8	92.6	103.2	88.6	82.6
32.5°	62.2	59.4	62.8	56.4	51.5
35°	41.6	42.4	39.8	39.5	33.4
37.5°	26.0	29.9	26.3	28.1	21.5
40°	16.8	21.7	18.6	20.6	15.8
42.5°	13.8	16.7	15.3	16.3	14.1
45°	10.9	13.6	13.6	13.6	11.0
47.5°	6.1	9.1	11.6	9.3	6.4
50°	3.4	4.6	9.0	4.8	3.6
52.5°	2.3	2.6	6.1	2.7	2.4
55°	1.8	1.9	3.3	2.0	1.9
57.5°	1.4	1.5	1.8	1.5	1.4
60°	1.1	1.1	1.3	1.2	1.1
62.5°	0.8	0.8	0.9	0.8	0.8
65°	0.6	0.6	0.6	0.6	0.6
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

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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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