

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: P758139

Luminaire Tested: LD6D05D010-EU6DR300210IC9024-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P758139
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: LD6D05D010-EU6DR300210IC9024-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 502.2 lumens
Efficiency: N/A
Efficacy: 67.0 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): 7.5
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



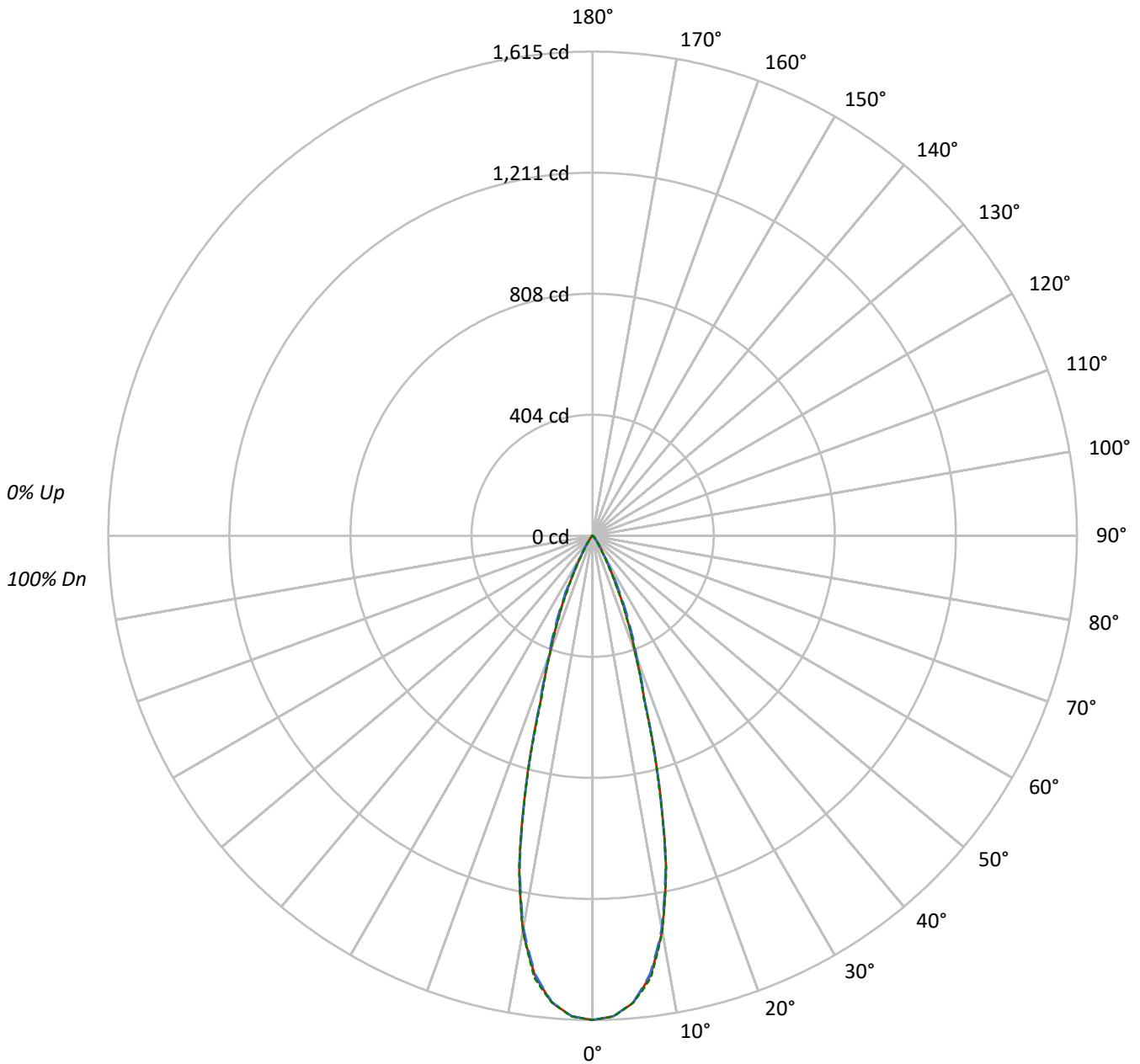
Downlight



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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°	123610	123610	123610
5°	120064	119918	120064
10°	103995	103257	103964
15°	67848	67484	67143
20°	33739	35002	33690
25°	16993	19163	16646
30°	6806	7415	5931
35°	3149	3028	2532
40°	1359	1509	1279
45°	963	1191	963
50°	333	869	345
55°	187	360	200
60°	138	153	138
65°	91	91	91
70°	45	45	45
75°	0	30	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 1191 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.0	28.3
10°-20°	228.7	45.5
20°-30°	98.8	19.7
30°-40°	22.5	4.5
40°-50°	7.7	1.5
50°-60°	1.9	0.4
60°-70°	0.5	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°	469.5	93.5
0°-40°	492.0	98.0
0°-60°	501.7	99.9
0°-90°	502.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	502.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1615	1615	1615	1615	1615	
5°	1563	1561	1561	1564	1563	142
15°	856	846	852	849	847	229
25°	201	209	227	204	197	96
35°	34	34	32	32	27	23
45°	9	11	11	11	9	6
55°	1	2	3	2	2	1
65°	0	0	0	0	0	0
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°	1614.9	1614.9	1614.9	1614.9	1614.9
2.5°	1604.1	1603.1	1603.7	1604.5	1604.8
5°	1562.6	1561.1	1560.7	1564.0	1562.6
7.5°	1478.6	1476.4	1473.2	1480.6	1487.4
10°	1338.0	1335.5	1328.5	1332.0	1337.6
12.5°	1130.3	1122.6	1122.4	1133.5	1132.0
15°	856.2	845.9	851.6	848.8	847.3
17.5°	575.8	571.8	579.4	577.1	567.2
20°	414.2	415.2	429.7	422.4	413.6
22.5°	302.2	306.0	323.1	304.4	297.5
25°	201.2	208.8	226.9	203.5	197.1
27.5°	123.8	127.3	145.6	122.2	118.7
30°	77.0	75.2	83.9	72.0	67.1
32.5°	50.5	48.3	51.0	45.8	41.9
35°	33.7	34.5	32.4	32.1	27.1
37.5°	21.1	24.2	21.4	22.9	17.4
40°	13.6	17.6	15.1	16.7	12.8
42.5°	11.2	13.6	12.4	13.2	11.4
45°	8.9	11.0	11.0	11.0	8.9
47.5°	4.9	7.4	9.5	7.5	5.2
50°	2.8	3.7	7.3	3.9	2.9
52.5°	1.9	2.1	5.0	2.2	2.0
55°	1.4	1.5	2.7	1.6	1.5
57.5°	1.1	1.2	1.4	1.2	1.1
60°	0.9	0.9	1.0	1.0	0.9
62.5°	0.6	0.6	0.7	0.6	0.6
65°	0.5	0.5	0.5	0.5	0.5
67.5°	0.2	0.3	0.3	0.3	0.3
70°	0.2	0.2	0.2	0.2	0.2
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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