

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: P757180

Luminaire Tested: LD6D02D010-EU6DR300210IC9040-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P757180
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: LD6D02D010-EU6DR300210IC9040-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 424.4 lumens
Efficiency: N/A
Efficacy: 83.2 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

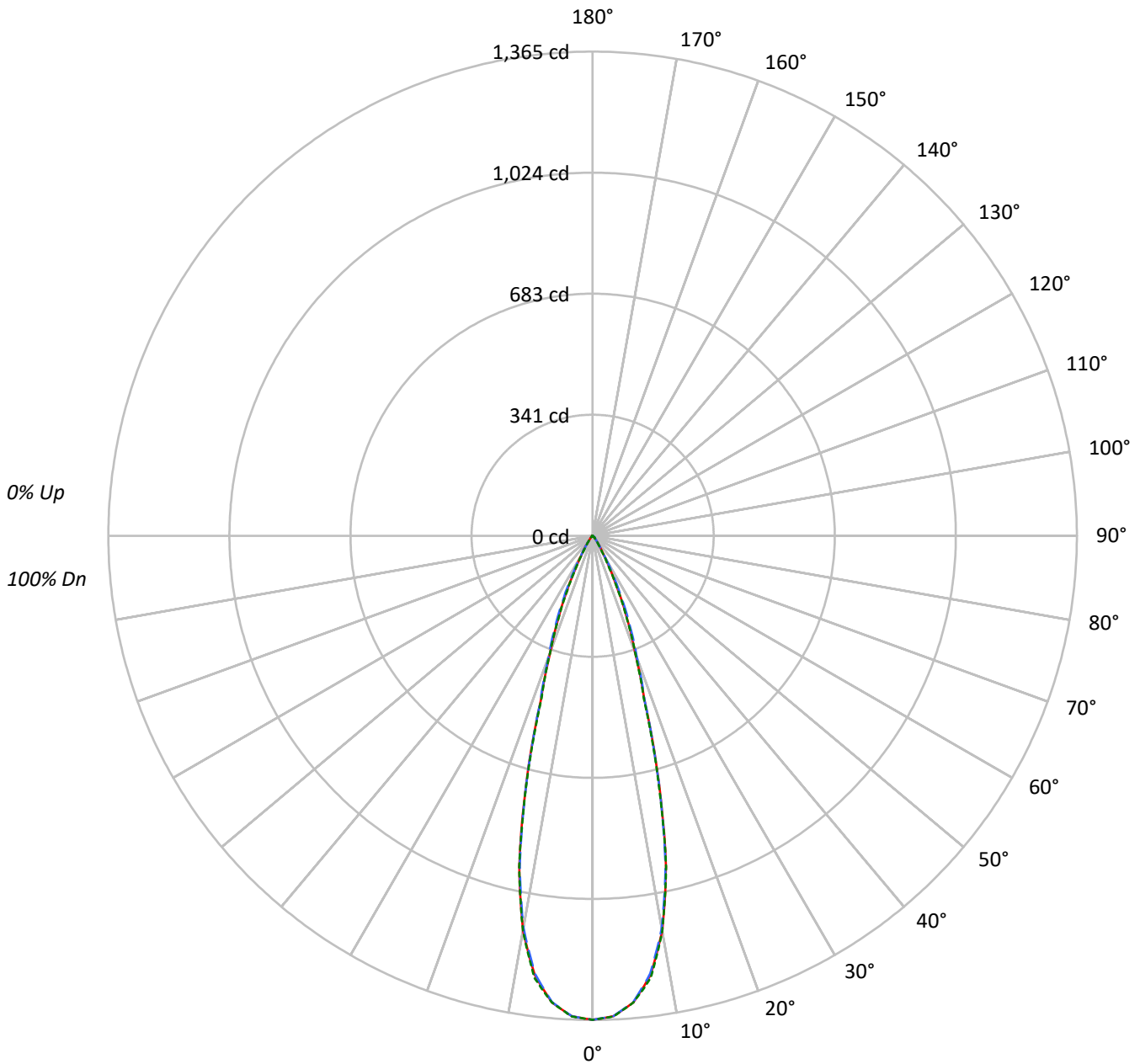


Downlight



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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					70					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								
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96								
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92								
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89								
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85								
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82								
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79								
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77								
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74								
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72								
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	104459	104459	104459
5°	101454	101339	101462
10°	87875	87253	87859
15°	57333	57024	56738
20°	28510	29577	28477
25°	14366	16199	14070
30°	5745	6266	5011
35°	2663	2551	2140
40°	1149	1279	1079
45°	812	1007	823
50°	274	738	298
55°	160	307	173
60°	107	138	107
65°	72	72	72
70°	45	22	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: 1007 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.0	28.3
10°-20°	193.3	45.5
20°-30°	83.5	19.7
30°-40°	19.0	4.5
40°-50°	6.5	1.5
50°-60°	1.6	0.4
60°-70°	0.4	0.1
70°-80°	0.0	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°	396.8	93.5
0°-40°	415.8	98.0
0°-60°	423.9	99.9
0°-90°	424.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	424.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1365	1365	1365	1365	1365	
5°	1320	1319	1319	1322	1320	120
15°	724	715	720	717	716	194
25°	170	176	192	172	167	81
35°	28	29	27	27	23	19
45°	8	9	9	9	8	5
55°	1	1	2	1	1	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°	1364.7	1364.7	1364.7	1364.7	1364.7
2.5°	1355.6	1354.7	1355.2	1355.9	1356.2
5°	1320.4	1319.2	1318.9	1321.6	1320.5
7.5°	1249.5	1247.7	1244.9	1251.2	1257.0
10°	1130.6	1128.6	1122.6	1125.6	1130.4
12.5°	955.2	948.6	948.5	957.9	956.7
15°	723.5	714.8	719.6	717.3	716.0
17.5°	486.5	483.2	489.6	487.7	479.3
20°	350.0	350.9	363.1	357.0	349.6
22.5°	255.4	258.6	273.1	257.2	251.4
25°	170.1	176.5	191.8	172.0	166.6
27.5°	104.6	107.5	123.0	103.2	100.3
30°	65.0	63.6	70.9	60.8	56.7
32.5°	42.7	40.8	43.1	38.7	35.4
35°	28.5	29.2	27.3	27.2	22.9
37.5°	17.8	20.5	18.1	19.3	14.7
40°	11.5	14.9	12.8	14.2	10.8
42.5°	9.5	11.5	10.5	11.2	9.6
45°	7.5	9.3	9.3	9.3	7.6
47.5°	4.2	6.2	8.0	6.4	4.4
50°	2.3	3.2	6.2	3.3	2.5
52.5°	1.6	1.8	4.2	1.9	1.7
55°	1.2	1.3	2.3	1.3	1.3
57.5°	0.9	1.0	1.2	1.0	0.9
60°	0.7	0.7	0.9	0.8	0.7
62.5°	0.5	0.5	0.6	0.5	0.5
65°	0.4	0.4	0.4	0.4	0.4
67.5°	0.2	0.3	0.3	0.3	0.3
70°	0.2	0.1	0.1	0.1	0.2
72.5°	0.1	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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