

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: P760207

Luminaire Tested: LD6D10D010-EU6DR300210IC9035-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P760207
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: LD6D10D010-EU6DR300210IC9035-6LBS1B
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: 1057.4 lumens
Efficiency: N/A
Efficacy: 90.4 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): 11.7
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

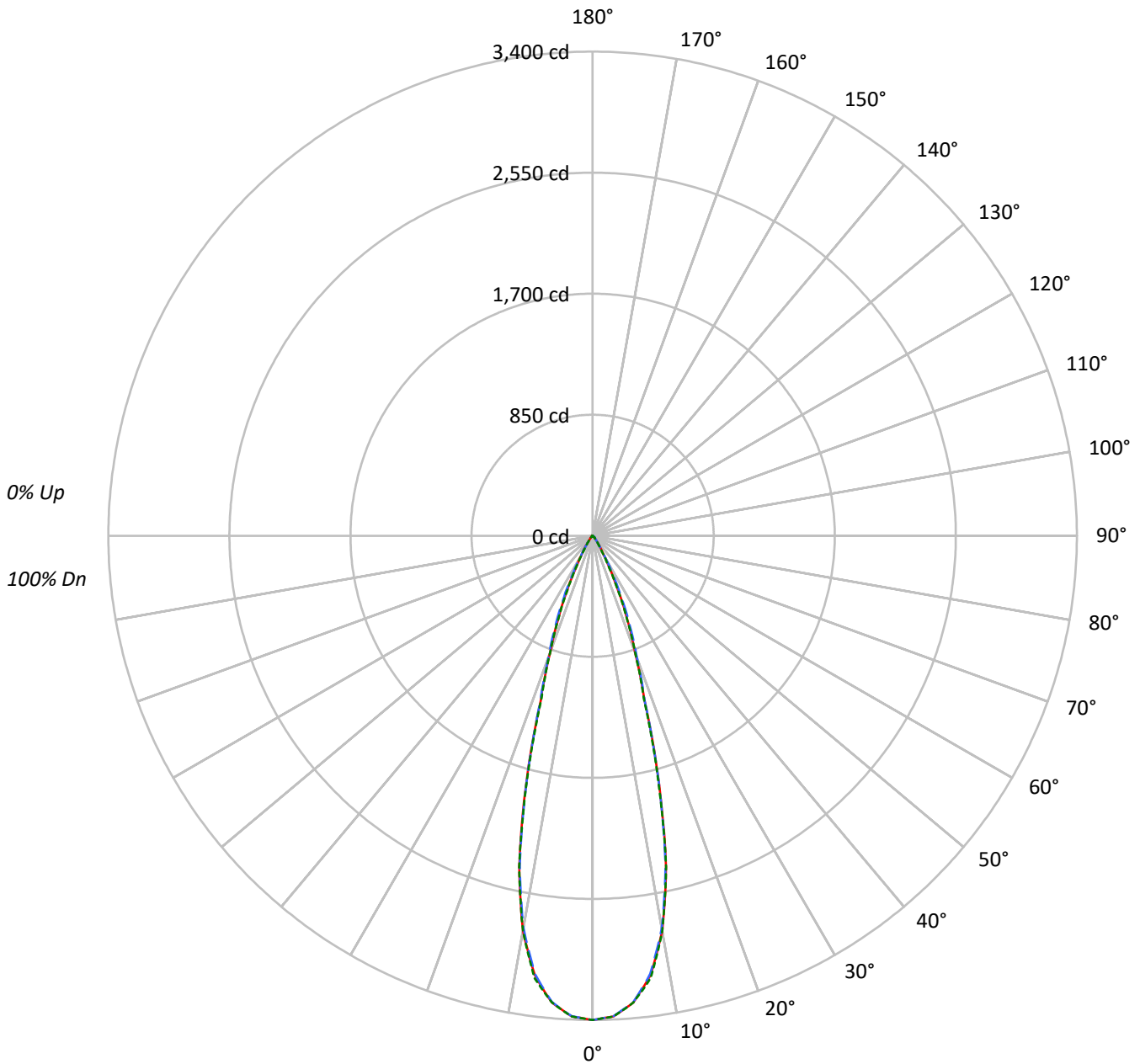


Downlight



TEST NUMBER: P760207
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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°	260263	260263	260263
5°	252790	252498	252805
10°	218957	217410	218902
15°	142860	142092	141378
20°	71038	73701	70940
25°	35784	40353	35049
30°	14327	15609	12480
35°	6644	6363	5336
40°	2868	3187	2698
45°	2024	2511	2046
50°	691	1834	738
55°	400	761	427
60°	276	337	276
65°	181	181	181
70°	112	67	112
75°	0	59	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 2511 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	299.0	28.3
10°-20°	481.5	45.5
20°-30°	208.1	19.7
30°-40°	47.4	4.5
40°-50°	16.3	1.5
50°-60°	4.0	0.4
60°-70°	1.0	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°	988.6	93.5
0°-40°	1036.0	98.0
0°-60°	1056.3	99.9
0°-90°	1057.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1057.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3400	3400	3400	3400	3400	
5°	3290	3287	3286	3293	3290	299
15°	1803	1781	1793	1787	1784	483
25°	424	440	478	428	415	203
35°	71	73	68	68	57	48
45°	19	23	23	23	19	13
55°	3	3	6	3	3	3
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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3400.2	3400.2	3400.2	3400.2	3400.2
2.5°	3377.7	3375.3	3376.6	3378.3	3379.0
5°	3290.0	3286.8	3286.2	3293.0	3290.2
7.5°	3113.2	3108.7	3101.9	3117.4	3131.9
10°	2817.1	2812.0	2797.2	2804.5	2816.4
12.5°	2379.9	2363.7	2363.4	2386.7	2383.5
15°	1802.8	1781.1	1793.1	1787.3	1784.1
17.5°	1212.3	1203.9	1220.0	1215.1	1194.3
20°	872.1	874.3	904.8	889.4	870.9
22.5°	636.4	644.2	680.4	640.9	626.3
25°	423.7	439.7	477.8	428.5	415.0
27.5°	260.6	267.9	306.5	257.3	249.9
30°	162.1	158.4	176.6	151.6	141.2
32.5°	106.3	101.6	107.5	96.5	88.1
35°	71.1	72.6	68.1	67.6	57.1
37.5°	44.4	51.1	45.1	48.1	36.7
40°	28.7	37.1	31.9	35.2	27.0
42.5°	23.5	28.5	26.2	27.9	24.1
45°	18.7	23.2	23.2	23.2	18.9
47.5°	10.4	15.5	19.9	15.9	11.0
50°	5.8	7.8	15.4	8.2	6.2
52.5°	4.0	4.5	10.5	4.7	4.2
55°	3.0	3.2	5.7	3.3	3.2
57.5°	2.3	2.5	3.0	2.5	2.3
60°	1.8	1.8	2.2	2.0	1.8
62.5°	1.3	1.3	1.5	1.3	1.3
65°	1.0	1.0	1.0	1.0	1.0
67.5°	0.5	0.7	0.7	0.7	0.7
70°	0.5	0.3	0.3	0.3	0.5
72.5°	0.3	0.2	0.2	0.2	0.2
75°	0.0	0.0	0.2	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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