

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: P760978

Luminaire Tested: LD6D15D010-EU6DR1515309035-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P760978
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D15D010-EU6DR1515309035-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1363.5 lumens
Efficiency: N/A
Efficacy: 86.3 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')
CIE Type: Direct

Input Watts (W): 15.8
Input Voltage (V): NR
Input Current (Ain): 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

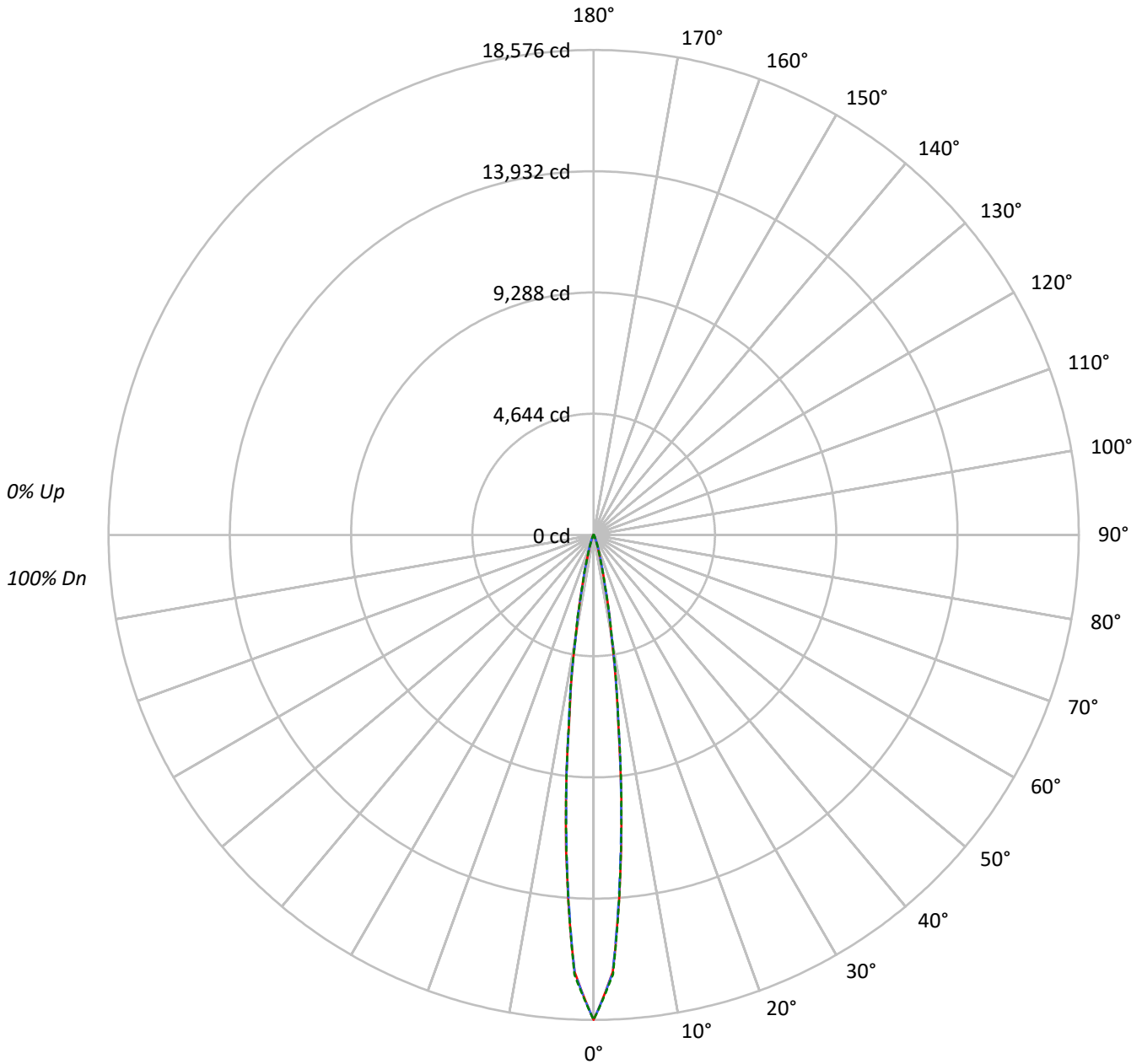


Downlight



TEST NUMBER: P760978
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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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98																			
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96																			
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94																			
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93																			
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92																			
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90																			
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89																			
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88																			
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	87																			
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2090204	2090204	2090204
5°	1228297	1212402	1221986
10°	366587	369162	374807
15°	91182	92963	90097
20°	27280	31592	27861
25°	9621	12254	9738
30°	3534	4650	3594
35°	1772	1997	1714
40°	1115	1229	1115
45°	826	882	826
50°	654	654	654
55°	550	550	550
60°	442	442	442
65°	335	335	335
70°	285	285	285
75°	181	181	234
80°	126	126	126
85°	66	66	66

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 882 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	884.3	64.9
10°-20°	363.7	26.7
20°-30°	72.2	5.3
30°-40°	18.0	1.3
40°-50°	9.5	0.7
50°-60°	7.0	0.5
60°-70°	4.9	0.4
70°-80°	2.8	0.2
80°-90°	0.9	0.1
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°	1320.2	96.8
0°-40°	1338.3	98.2
0°-60°	1354.8	99.4
0°-90°	1363.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1363.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	18576	18576	18576	18576	18576	
5°	12086	11962	11930	12012	12024	883
15°	1050	1070	1070	1051	1037	360
25°	124	140	157	139	125	65
35°	24	26	28	26	24	17
45°	12	12	13	12	12	9
55°	8	8	8	8	8	7
65°	5	5	5	5	5	5
75°	2	2	2	2	3	3
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	18576.3	18576.3	18576.3	18576.3	18576.3
2.5°	16756.6	16770.7	16776.2	16792.7	16854.1
5°	12086.1	11961.9	11929.7	12012.2	12024.0
7.5°	7159.4	7184.5	7276.5	7297.0	7223.1
10°	3928.8	3961.1	3956.4	3984.7	4016.9
12.5°	2009.2	1984.1	1976.2	2008.5	1963.6
15°	1049.8	1069.5	1070.3	1051.4	1037.3
17.5°	564.6	587.4	625.2	594.5	547.3
20°	333.4	353.9	386.1	361.0	340.5
22.5°	206.0	222.6	245.4	225.7	209.2
25°	123.5	140.0	157.3	139.2	125.0
27.5°	73.1	87.3	98.3	86.5	72.3
30°	47.2	55.0	62.1	54.3	48.0
32.5°	33.0	36.2	39.3	36.2	33.0
35°	24.4	26.0	27.5	26.0	23.6
37.5°	18.9	20.4	21.2	19.7	18.1
40°	15.7	16.5	17.3	16.5	15.7
42.5°	13.4	14.2	14.2	14.2	13.4
45°	11.8	11.8	12.6	11.8	11.8
47.5°	10.2	10.2	11.0	10.2	10.2
50°	9.4	9.4	9.4	9.4	9.4
52.5°	8.7	8.7	8.7	8.7	8.7
55°	7.9	7.9	7.9	7.9	7.9
57.5°	7.1	7.1	7.1	7.1	7.1
60°	6.3	6.3	6.3	6.3	6.3
62.5°	5.5	5.5	5.5	5.5	5.5
65°	4.7	4.7	4.7	4.7	4.7
67.5°	4.7	4.7	4.7	4.7	4.7
70°	3.9	3.9	3.9	3.9	3.9
72.5°	3.1	3.1	3.1	3.1	3.1
75°	2.4	2.4	2.4	2.4	3.1
77.5°	2.4	2.4	2.4	2.4	2.4
80°	1.6	1.6	1.6	1.6	1.6
82.5°	1.6	1.6	1.6	1.6	1.6
85°	0.8	0.8	0.8	0.8	0.8
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



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Scaled Data Report





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

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