

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: P757130

Luminaire Tested: LD6D02D010-EU6DR300210IC9024-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P757130
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-EU6DR300210IC9024-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 234.5 lumens
Efficiency: N/A
Efficacy: 46.0 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): 5.1
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



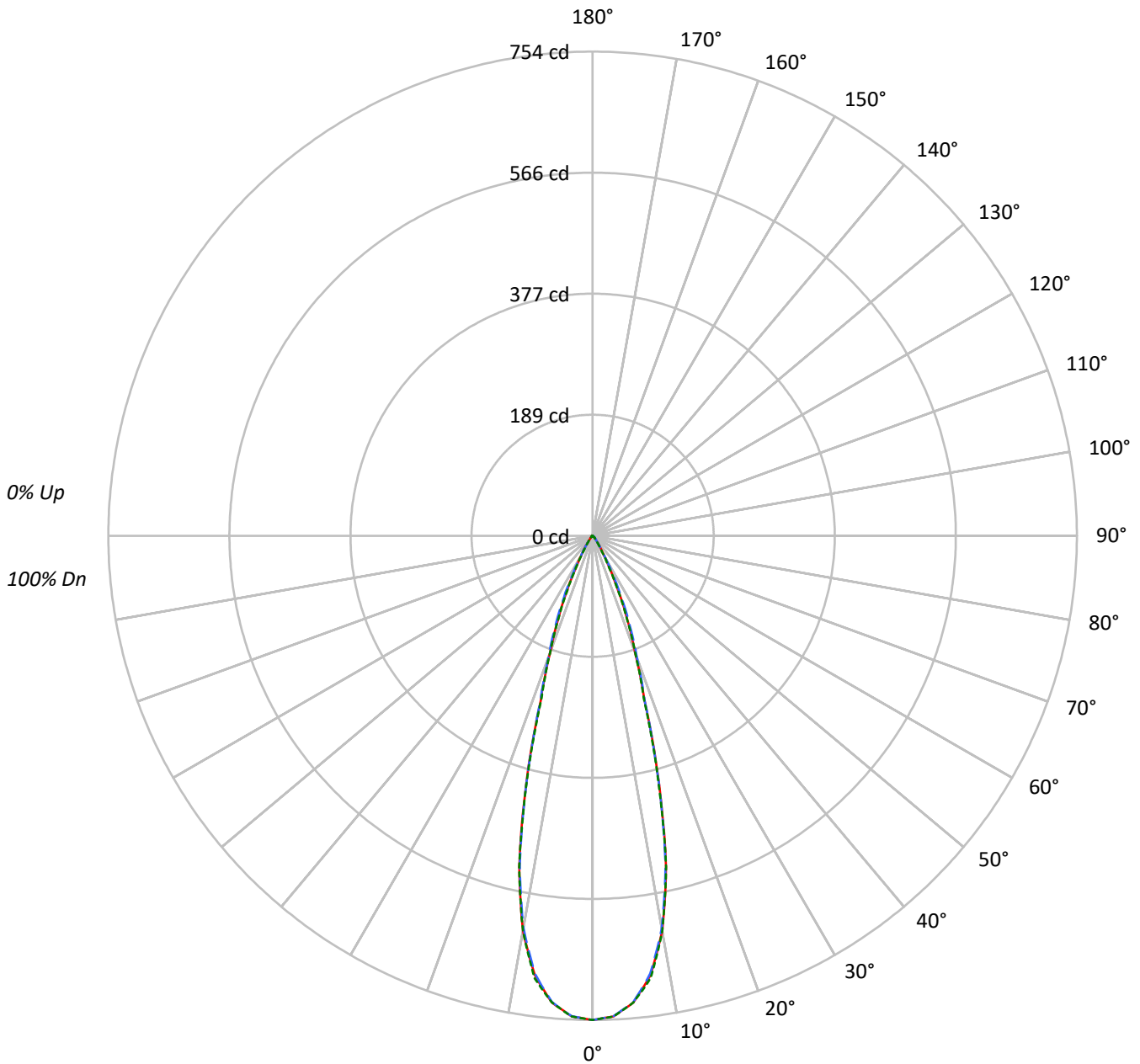
Downlight



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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	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°	57714	57714	57714
5°	56059	55990	56059
10°	48554	48212	48547
15°	31674	31507	31349
20°	15754	16340	15729
25°	7939	8944	7770
30°	3173	3465	2766
35°	1476	1411	1187
40°	639	699	600
45°	444	563	455
50°	155	405	167
55°	93	173	93
60°	61	77	61
65°	36	36	36
70°	22	22	22
75°	0	30	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 563 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.3	28.3
10°-20°	106.8	45.5
20°-30°	46.1	19.7
30°-40°	10.5	4.5
40°-50°	3.6	1.5
50°-60°	0.9	0.4
60°-70°	0.2	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°	219.2	93.5
0°-40°	229.7	98.0
0°-60°	234.2	99.9
0°-90°	234.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	234.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	754	754	754	754	754	
5°	730	729	729	730	730	66
15°	400	395	398	396	396	107
25°	94	98	106	95	92	45
35°	16	16	15	15	13	11
45°	4	5	5	5	4	3
55°	1	1	1	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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	754.0	754.0	754.0	754.0	754.0
2.5°	749.0	748.5	748.8	749.1	749.3
5°	729.6	728.9	728.7	730.2	729.6
7.5°	690.3	689.4	687.8	691.3	694.5
10°	624.7	623.6	620.3	621.9	624.6
12.5°	527.7	524.1	524.1	529.3	528.5
15°	399.7	394.9	397.6	396.3	395.6
17.5°	268.8	267.0	270.5	269.5	264.8
20°	193.4	193.9	200.6	197.3	193.1
22.5°	141.1	142.8	150.9	142.1	138.9
25°	94.0	97.5	105.9	95.1	92.0
27.5°	57.8	59.4	68.0	57.1	55.4
30°	35.9	35.1	39.2	33.6	31.3
32.5°	23.6	22.5	23.8	21.4	19.5
35°	15.8	16.1	15.1	15.0	12.7
37.5°	9.9	11.3	10.0	10.7	8.1
40°	6.4	8.2	7.0	7.8	6.0
42.5°	5.2	6.3	5.8	6.2	5.3
45°	4.1	5.2	5.2	5.2	4.2
47.5°	2.3	3.4	4.4	3.5	2.5
50°	1.3	1.7	3.4	1.8	1.4
52.5°	0.9	1.0	2.3	1.0	0.9
55°	0.7	0.7	1.3	0.7	0.7
57.5°	0.5	0.6	0.7	0.6	0.5
60°	0.4	0.4	0.5	0.5	0.4
62.5°	0.3	0.3	0.3	0.3	0.3
65°	0.2	0.2	0.2	0.2	0.2
67.5°	0.1	0.2	0.2	0.2	0.2
70°	0.1	0.1	0.1	0.1	0.1
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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