

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: P757912

Luminaire Tested: LD6D05D010-EU6DR150210IC9027-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P757912
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: LD6D05D010-EU6DR150210IC9027-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 591.8 lumens
Efficiency: N/A
Efficacy: 78.9 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): 7.5
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



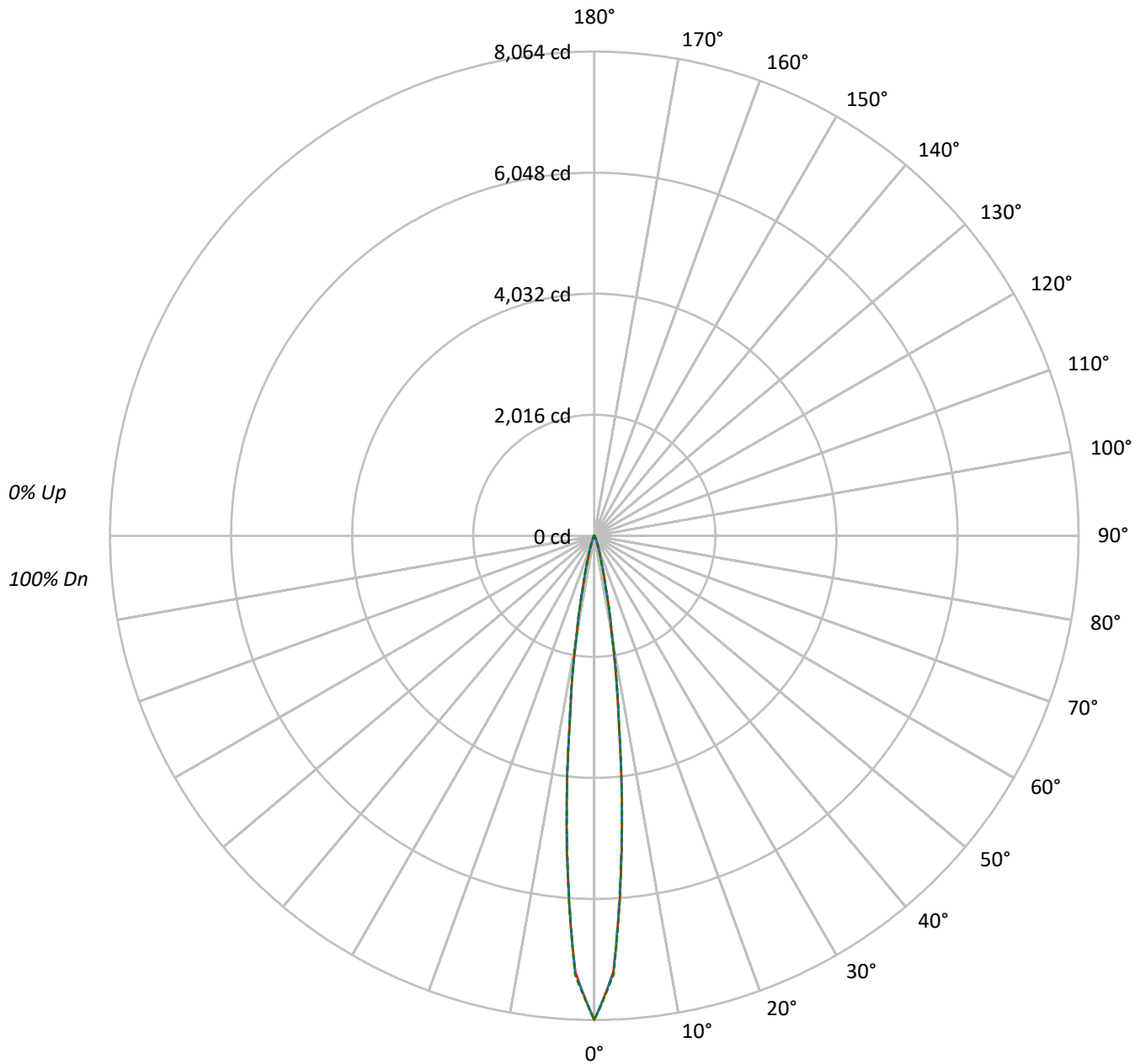
Downlight



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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	116	114	112	111	113	112	110	109	108	107	106		104	103	103		101
2	113	110	107	105	111	108	106	104	105	103	102		102	101	100		100
3	110	106	103	101	108	105	102	100	103	100	99		100	99	97		98
4	108	103	100	98	106	102	99	97	100	98	96		99	97	95		97
5	106	101	98	95	104	100	97	95	99	96	94		97	95	93		96
6	104	99	95	93	102	98	95	93	97	94	92		96	93	92		95
7	102	97	94	91	101	96	93	91	95	93	91		94	92	90		93
8	100	95	92	90	99	95	92	90	94	91	89		93	91	89		92
9	99	93	90	88	98	93	90	88	92	90	88		92	89	88		91
10	97	92	89	87	96	92	89	87	91	89	87		91	88	87		90

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	907316	907316	907316
5°	533186	526285	530442
10°	159127	160246	162700
15°	39581	40354	39112
20°	11840	13714	12093
25°	4175	5321	4230
30°	1535	2022	1558
35°	770	864	741
40°	483	533	483
45°	357	385	357
50°	285	285	285
55°	237	237	237
60°	190	190	190
65°	143	143	143
70°	124	124	124
75°	76	76	106
80°	55	55	55
85°	25	25	25

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 385 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	383.8	64.9
10°-20°	157.9	26.7
20°-30°	31.4	5.3
30°-40°	7.8	1.3
40°-50°	4.1	0.7
50°-60°	3.1	0.5
60°-70°	2.1	0.4
70°-80°	1.2	0.2
80°-90°	0.4	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°	573.1	96.8
0°-40°	580.9	98.2
0°-60°	588.1	99.4
0°-90°	591.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	591.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8064	8064	8064	8064	8064	
5°	5246	5192	5178	5214	5219	383
15°	456	464	465	456	450	156
25°	54	61	68	60	54	28
35°	11	11	12	11	10	7
45°	5	5	6	5	5	4
55°	3	3	3	3	3	3
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
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°	8063.6	8063.6	8063.6	8063.6	8063.6
2.5°	7273.7	7279.9	7282.3	7289.4	7316.1
5°	5246.4	5192.5	5178.5	5214.3	5219.4
7.5°	3107.8	3118.7	3158.6	3167.5	3135.4
10°	1705.4	1719.4	1717.4	1729.7	1743.7
12.5°	872.2	861.3	857.8	871.8	852.4
15°	455.7	464.3	464.6	456.4	450.3
17.5°	245.1	255.0	271.4	258.1	237.6
20°	144.7	153.6	167.6	156.7	147.8
22.5°	89.4	96.6	106.5	98.0	90.8
25°	53.6	60.8	68.3	60.4	54.3
27.5°	31.7	37.9	42.7	37.5	31.4
30°	20.5	23.9	27.0	23.6	20.8
32.5°	14.3	15.7	17.1	15.7	14.3
35°	10.6	11.3	11.9	11.3	10.2
37.5°	8.2	8.9	9.2	8.5	7.9
40°	6.8	7.2	7.5	7.2	6.8
42.5°	5.8	6.1	6.1	6.1	5.8
45°	5.1	5.1	5.5	5.1	5.1
47.5°	4.4	4.4	4.8	4.4	4.4
50°	4.1	4.1	4.1	4.1	4.1
52.5°	3.8	3.8	3.8	3.8	3.8
55°	3.4	3.4	3.4	3.4	3.4
57.5°	3.1	3.1	3.1	3.1	3.1
60°	2.7	2.7	2.7	2.7	2.7
62.5°	2.4	2.4	2.4	2.4	2.4
65°	2.0	2.0	2.0	2.0	2.0
67.5°	2.0	2.0	2.0	2.0	2.0
70°	1.7	1.7	1.7	1.7	1.7
72.5°	1.4	1.4	1.4	1.4	1.4
75°	1.0	1.0	1.0	1.0	1.4
77.5°	1.0	1.0	1.0	1.0	1.0
80°	0.7	0.7	0.7	0.7	0.7
82.5°	0.7	0.7	0.7	0.7	0.7
85°	0.3	0.3	0.3	0.3	0.3
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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Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)