

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: P756885

Luminaire Tested: LD6D02D010-EU6DR150210IC9024-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P756885
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: LD6D02D010-EU6DR150210IC9024-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 292.4 lumens
Efficiency: N/A
Efficacy: 57.3 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): 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



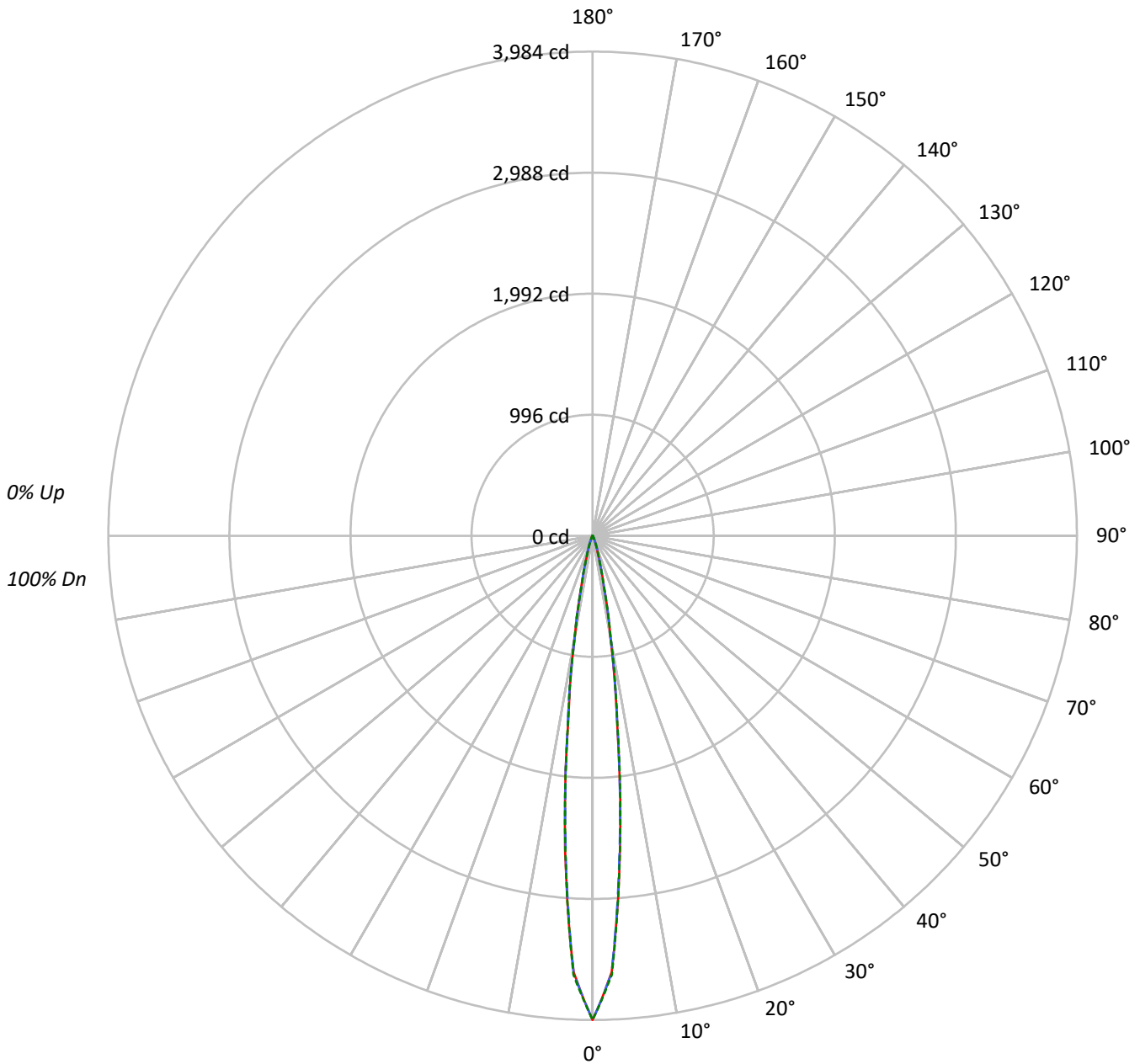
Downlight



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	448302	448302	448302
5°	263442	260038	262091
10°	78630	79181	80384
15°	19560	19942	19326
20°	5850	6775	5973
25°	2064	2625	2088
30°	756	996	771
35°	378	428	370
40°	241	263	241
45°	175	189	175
50°	139	139	139
55°	118	118	118
60°	91	91	91
65°	71	71	71
70°	59	59	59
75°	38	38	53
80°	24	24	24
85°	17	17	17

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 189 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.7	64.9
10°-20°	78.0	26.7
20°-30°	15.5	5.3
30°-40°	3.9	1.3
40°-50°	2.0	0.7
50°-60°	1.5	0.5
60°-70°	1.1	0.4
70°-80°	0.6	0.2
80°-90°	0.2	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°	283.2	96.8
0°-40°	287.0	98.2
0°-60°	290.6	99.4
0°-90°	292.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	292.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3984	3984	3984	3984	3984	
5°	2592	2566	2559	2576	2579	189
15°	225	229	230	226	222	77
25°	26	30	34	30	27	14
35°	5	6	6	6	5	4
45°	2	2	3	2	2	2
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
75°	0	0	0	0	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°	3984.2	3984.2	3984.2	3984.2	3984.2
2.5°	3594.0	3597.0	3598.2	3601.7	3614.9
5°	2592.2	2565.6	2558.7	2576.4	2578.9
7.5°	1535.5	1540.9	1560.7	1565.1	1549.2
10°	842.7	849.6	848.6	854.6	861.5
12.5°	430.9	425.5	423.9	430.8	421.2
15°	225.2	229.4	229.6	225.5	222.5
17.5°	121.1	126.0	134.1	127.5	117.4
20°	71.5	75.9	82.8	77.4	73.0
22.5°	44.2	47.7	52.6	48.4	44.9
25°	26.5	30.0	33.7	29.9	26.8
27.5°	15.7	18.7	21.1	18.6	15.5
30°	10.1	11.8	13.3	11.6	10.3
32.5°	7.1	7.8	8.4	7.8	7.1
35°	5.2	5.6	5.9	5.6	5.1
37.5°	4.0	4.4	4.6	4.2	3.9
40°	3.4	3.5	3.7	3.5	3.4
42.5°	2.9	3.0	3.0	3.0	2.9
45°	2.5	2.5	2.7	2.5	2.5
47.5°	2.2	2.2	2.4	2.2	2.2
50°	2.0	2.0	2.0	2.0	2.0
52.5°	1.9	1.9	1.9	1.9	1.9
55°	1.7	1.7	1.7	1.7	1.7
57.5°	1.5	1.5	1.5	1.5	1.5
60°	1.3	1.3	1.3	1.3	1.3
62.5°	1.2	1.2	1.2	1.2	1.2
65°	1.0	1.0	1.0	1.0	1.0
67.5°	1.0	1.0	1.0	1.0	1.0
70°	0.8	0.8	0.8	0.8	0.8
72.5°	0.7	0.7	0.7	0.7	0.7
75°	0.5	0.5	0.5	0.5	0.7
77.5°	0.5	0.5	0.5	0.5	0.5
80°	0.3	0.3	0.3	0.3	0.3
82.5°	0.3	0.3	0.3	0.3	0.3
85°	0.2	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report





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

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