

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: P757901

Luminaire Tested: LD6D05D010-EU6DR150210IC9024-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P757901
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-EU6DR150210IC9024-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 548.3 lumens
Efficiency: N/A
Efficacy: 73.1 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

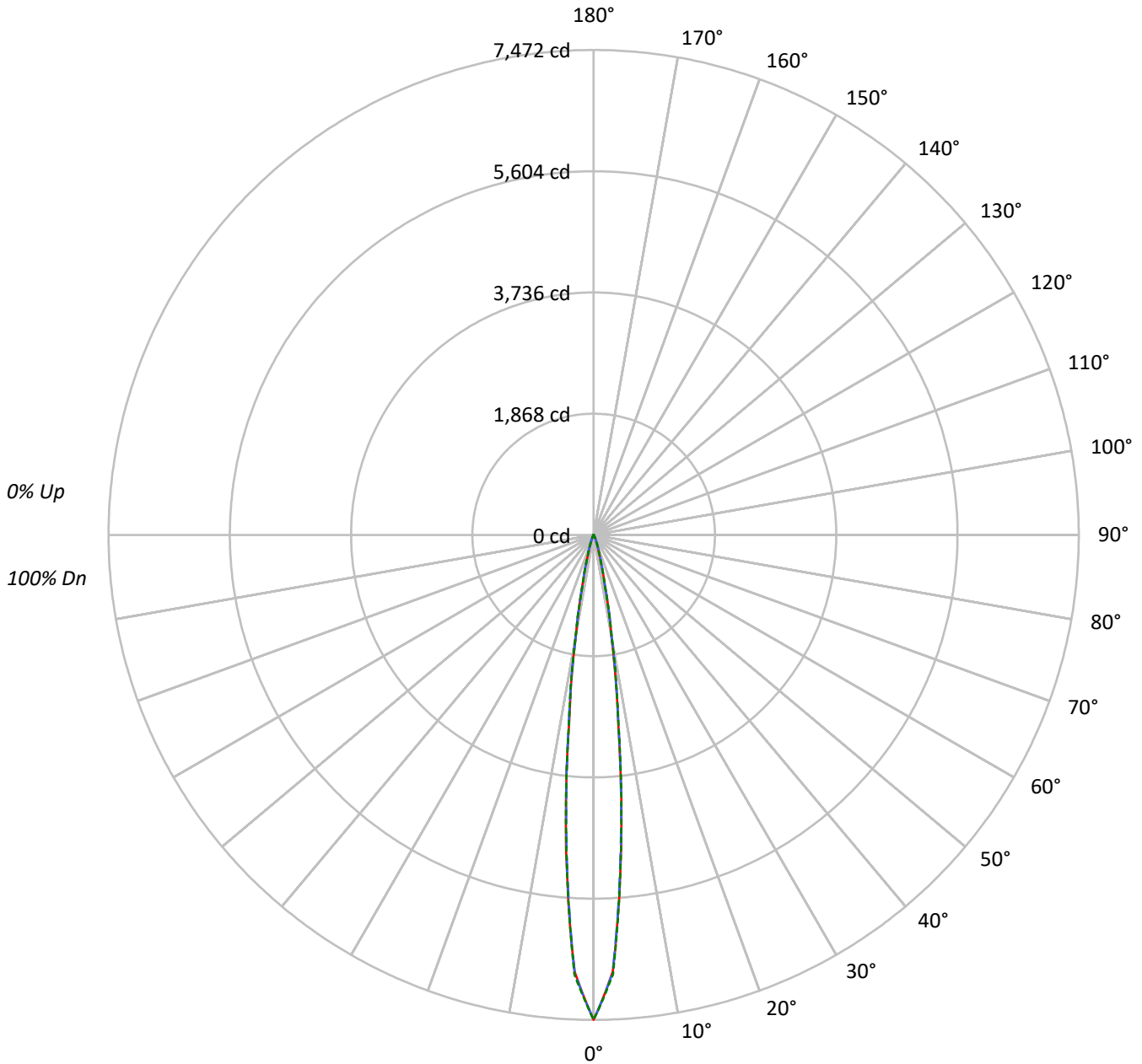


Downlight



TEST NUMBER: P757901
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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°	840727	840727	840727
5°	494049	487656	491508
10°	147454	148480	150757
15°	36680	37392	36237
20°	10972	12707	11210
25°	3872	4931	3918
30°	1423	1872	1445
35°	712	806	690
40°	447	497	447
45°	329	357	329
50°	264	264	264
55°	223	223	223
60°	176	176	176
65°	136	136	136
70°	117	117	117
75°	68	68	98
80°	47	47	47
85°	25	25	25

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 357 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	355.7	64.9
10°-20°	146.3	26.7
20°-30°	29.1	5.3
30°-40°	7.2	1.3
40°-50°	3.8	0.7
50°-60°	2.8	0.5
60°-70°	2.0	0.4
70°-80°	1.1	0.2
80°-90°	0.3	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
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0°-30°	531.0	96.8
0°-40°	538.3	98.2
0°-60°	544.9	99.4
0°-90°	548.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	548.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7472	7472	7472	7472	7472	
5°	4861	4811	4798	4832	4836	355
15°	422	430	430	423	417	145
25°	50	56	63	56	50	26
35°	10	10	11	10	10	7
45°	5	5	5	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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7471.8	7471.8	7471.8	7471.8	7471.8
2.5°	6739.9	6745.6	6747.8	6754.4	6779.1
5°	4861.3	4811.4	4798.4	4831.6	4836.3
7.5°	2879.7	2889.8	2926.8	2935.0	2905.3
10°	1580.3	1593.2	1591.3	1602.7	1615.7
12.5°	808.2	798.0	794.9	807.8	789.8
15°	422.3	430.2	430.5	422.9	417.2
17.5°	227.1	236.3	251.5	239.1	220.1
20°	134.1	142.3	155.3	145.2	137.0
22.5°	82.9	89.5	98.7	90.8	84.1
25°	49.7	56.3	63.3	56.0	50.3
27.5°	29.4	35.1	39.5	34.8	29.1
30°	19.0	22.1	25.0	21.8	19.3
32.5°	13.3	14.6	15.8	14.6	13.3
35°	9.8	10.4	11.1	10.4	9.5
37.5°	7.6	8.2	8.5	7.9	7.3
40°	6.3	6.6	7.0	6.6	6.3
42.5°	5.4	5.7	5.7	5.7	5.4
45°	4.7	4.7	5.1	4.7	4.7
47.5°	4.1	4.1	4.4	4.1	4.1
50°	3.8	3.8	3.8	3.8	3.8
52.5°	3.5	3.5	3.5	3.5	3.5
55°	3.2	3.2	3.2	3.2	3.2
57.5°	2.8	2.8	2.8	2.8	2.8
60°	2.5	2.5	2.5	2.5	2.5
62.5°	2.2	2.2	2.2	2.2	2.2
65°	1.9	1.9	1.9	1.9	1.9
67.5°	1.9	1.9	1.9	1.9	1.9
70°	1.6	1.6	1.6	1.6	1.6
72.5°	1.3	1.3	1.3	1.3	1.3
75°	0.9	0.9	0.9	0.9	1.3
77.5°	0.9	0.9	0.9	0.9	0.9
80°	0.6	0.6	0.6	0.6	0.6
82.5°	0.6	0.6	0.6	0.6	0.6
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

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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