

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: P759942

Luminaire Tested: LD6D10D010-EU6DR150210IC9027-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P759942
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: LD6D10D010-EU6DR150210IC9027-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 957.5 lumens
Efficiency: N/A
Efficacy: 81.8 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): 11.7
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

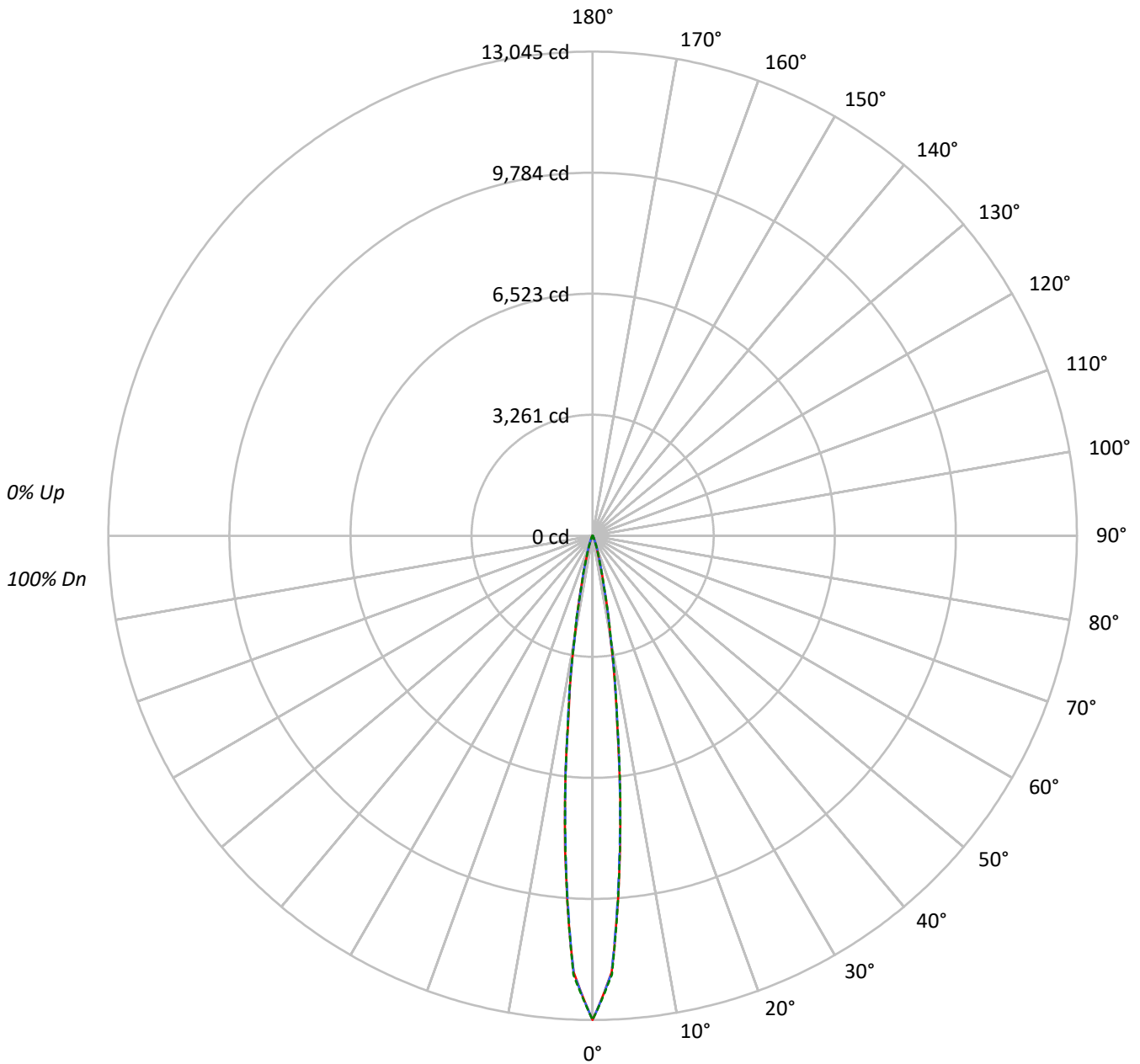


Downlight



TEST NUMBER: P759942
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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	98	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	98	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	87	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°	1467856	1467856	1467856
5°	862575	851406	858144
10°	257436	259246	263211
15°	64040	65282	63267
20°	19163	22190	19564
25°	6754	8608	6840
30°	2479	3265	2523
35°	1242	1402	1205
40°	781	859	781
45°	581	616	581
50°	459	459	459
55°	383	383	383
60°	309	309	309
65°	236	236	236
70°	205	205	205
75°	128	128	166
80°	87	87	87
85°	50	50	50

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 616 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	621.0	64.9
10°-20°	255.4	26.7
20°-30°	50.7	5.3
30°-40°	12.7	1.3
40°-50°	6.6	0.7
50°-60°	4.9	0.5
60°-70°	3.5	0.4
70°-80°	2.0	0.2
80°-90°	0.6	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°	927.1	96.8
0°-40°	939.8	98.2
0°-60°	951.4	99.4
0°-90°	957.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	957.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13045	13045	13045	13045	13045	
5°	8488	8400	8378	8436	8444	620
15°	737	751	752	738	728	253
25°	87	98	110	98	88	46
35°	17	18	19	18	17	12
45°	8	8	9	8	8	6
55°	6	6	6	6	6	5
65°	3	3	3	3	3	3
75°	2	2	2	2	2	2
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°	13045.3	13045.3	13045.3	13045.3	13045.3
2.5°	11767.4	11777.3	11781.2	11792.8	11835.8
5°	8487.5	8400.3	8377.6	8435.6	8443.9
7.5°	5027.7	5045.4	5110.0	5124.3	5072.4
10°	2759.0	2781.7	2778.4	2798.3	2820.9
12.5°	1411.0	1393.3	1387.8	1410.4	1379.0
15°	737.3	751.1	751.6	738.4	728.4
17.5°	396.5	412.5	439.0	417.5	384.4
20°	234.2	248.5	271.2	253.5	239.1
22.5°	144.7	156.3	172.3	158.5	146.9
25°	86.7	98.3	110.5	97.7	87.8
27.5°	51.4	61.3	69.0	60.7	50.8
30°	33.1	38.7	43.6	38.1	33.7
32.5°	23.2	25.4	27.6	25.4	23.2
35°	17.1	18.2	19.3	18.2	16.6
37.5°	13.3	14.4	14.9	13.8	12.7
40°	11.0	11.6	12.1	11.6	11.0
42.5°	9.4	9.9	9.9	9.9	9.4
45°	8.3	8.3	8.8	8.3	8.3
47.5°	7.2	7.2	7.7	7.2	7.2
50°	6.6	6.6	6.6	6.6	6.6
52.5°	6.1	6.1	6.1	6.1	6.1
55°	5.5	5.5	5.5	5.5	5.5
57.5°	5.0	5.0	5.0	5.0	5.0
60°	4.4	4.4	4.4	4.4	4.4
62.5°	3.9	3.9	3.9	3.9	3.9
65°	3.3	3.3	3.3	3.3	3.3
67.5°	3.3	3.3	3.3	3.3	3.3
70°	2.8	2.8	2.8	2.8	2.8
72.5°	2.2	2.2	2.2	2.2	2.2
75°	1.7	1.7	1.7	1.7	2.2
77.5°	1.7	1.7	1.7	1.7	1.7
80°	1.1	1.1	1.1	1.1	1.1
82.5°	1.1	1.1	1.1	1.1	1.1
85°	0.6	0.6	0.6	0.6	0.6
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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