

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: P761004

Luminaire Tested: LD6D15D010-EU6DR1515309050-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761004
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: LD6D15D010-EU6DR1515309050-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1424.2 lumens
Efficiency: N/A
Efficacy: 90.1 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): 15.8
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



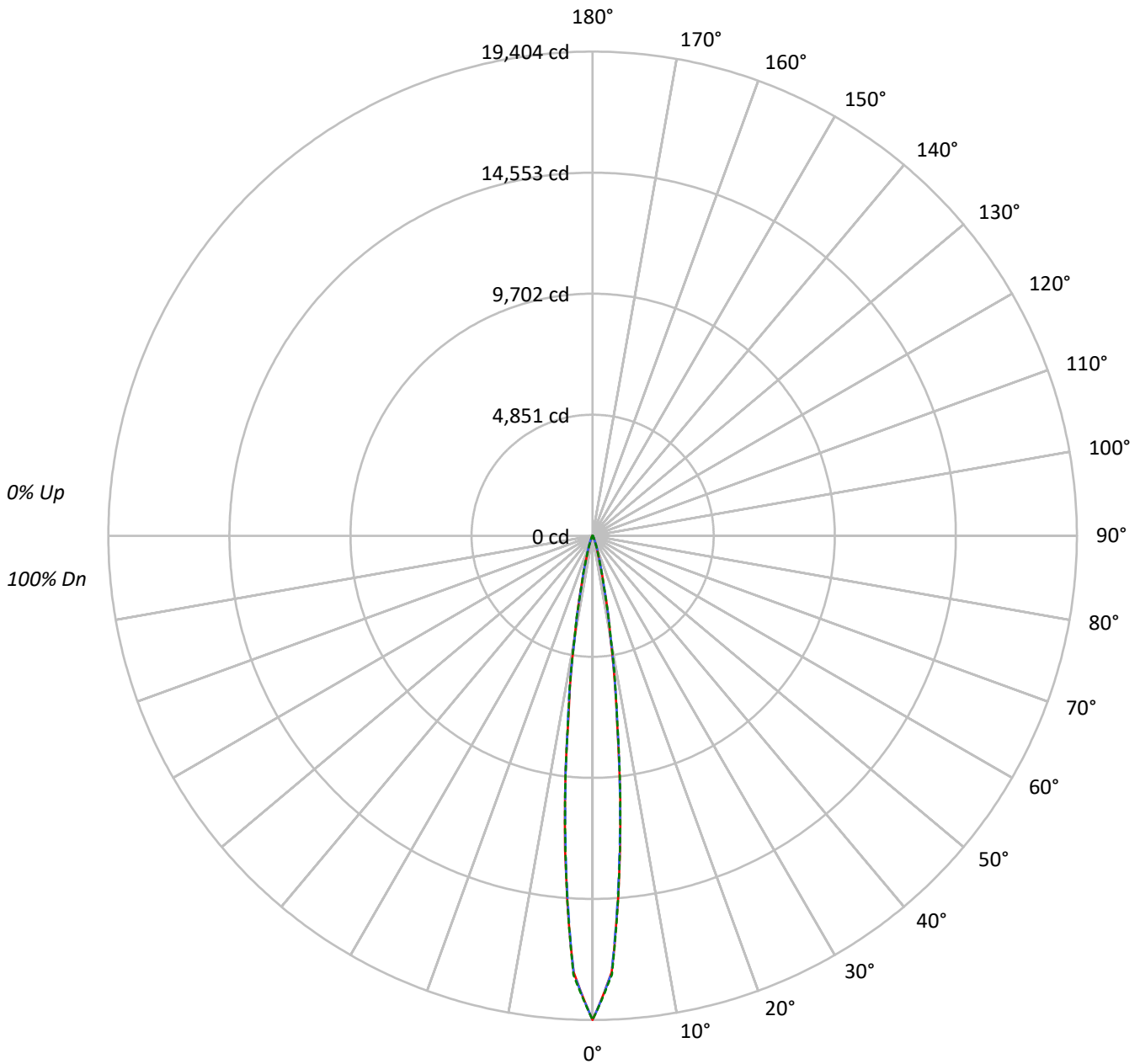
Downlight



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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	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	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°	2183382	2183382	2183382
5°	1283055	1266449	1276459
10°	382934	385612	391519
15°	95247	97106	94109
20°	28499	32999	29104
25°	10049	12799	10174
30°	3692	4860	3752
35°	1852	2091	1786
40°	1165	1285	1165
45°	861	917	861
50°	688	688	688
55°	571	571	571
60°	463	463	463
65°	350	350	350
70°	300	300	300
75°	189	189	249
80°	126	126	126
85°	66	66	66

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 917 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	923.7	64.9
10°-20°	379.9	26.7
20°-30°	75.5	5.3
30°-40°	18.8	1.3
40°-50°	9.9	0.7
50°-60°	7.3	0.5
60°-70°	5.2	0.4
70°-80°	3.0	0.2
80°-90°	0.9	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°	1379.1	96.8
0°-40°	1397.9	98.2
0°-60°	1415.2	99.4
0°-90°	1424.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1424.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19404	19404	19404	19404	19404	
5°	12625	12495	12462	12548	12560	922
15°	1097	1117	1118	1098	1084	376
25°	129	146	164	145	131	68
35°	26	27	29	27	25	17
45°	12	12	13	12	12	10
55°	8	8	8	8	8	7
65°	5	5	5	5	5	5
75°	2	2	2	2	3	3
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°	19404.4	19404.4	19404.4	19404.4	19404.4
2.5°	17503.6	17518.4	17524.1	17541.4	17605.4
5°	12624.9	12495.2	12461.5	12547.7	12560.0
7.5°	7478.5	7504.8	7600.9	7622.3	7545.1
10°	4104.0	4137.7	4132.7	4162.3	4196.0
12.5°	2098.8	2072.5	2064.3	2098.0	2051.2
15°	1096.6	1117.2	1118.0	1098.3	1083.5
17.5°	589.8	613.6	653.1	621.0	571.7
20°	348.3	369.7	403.3	377.0	355.7
22.5°	215.2	232.5	256.3	235.8	218.5
25°	129.0	146.2	164.3	145.4	130.6
27.5°	76.4	91.2	102.7	90.4	75.6
30°	49.3	57.5	64.9	56.7	50.1
32.5°	34.5	37.8	41.1	37.8	34.5
35°	25.5	27.1	28.8	27.1	24.6
37.5°	19.7	21.4	22.2	20.5	18.9
40°	16.4	17.3	18.1	17.3	16.4
42.5°	14.0	14.8	14.8	14.8	14.0
45°	12.3	12.3	13.1	12.3	12.3
47.5°	10.7	10.7	11.5	10.7	10.7
50°	9.9	9.9	9.9	9.9	9.9
52.5°	9.0	9.0	9.0	9.0	9.0
55°	8.2	8.2	8.2	8.2	8.2
57.5°	7.4	7.4	7.4	7.4	7.4
60°	6.6	6.6	6.6	6.6	6.6
62.5°	5.8	5.8	5.8	5.8	5.8
65°	4.9	4.9	4.9	4.9	4.9
67.5°	4.9	4.9	4.9	4.9	4.9
70°	4.1	4.1	4.1	4.1	4.1
72.5°	3.3	3.3	3.3	3.3	3.3
75°	2.5	2.5	2.5	2.5	3.3
77.5°	2.5	2.5	2.5	2.5	2.5
80°	1.6	1.6	1.6	1.6	1.6
82.5°	1.6	1.6	1.6	1.6	1.6
85°	0.8	0.8	0.8	0.8	0.8
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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