

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: P756898

Luminaire Tested: LD6D02D010-EU6DR150210IC9027-6LBCSSQMB

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P756898  
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-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: 324.6 lumens  
Efficiency: N/A  
Efficacy: 63.7 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 (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



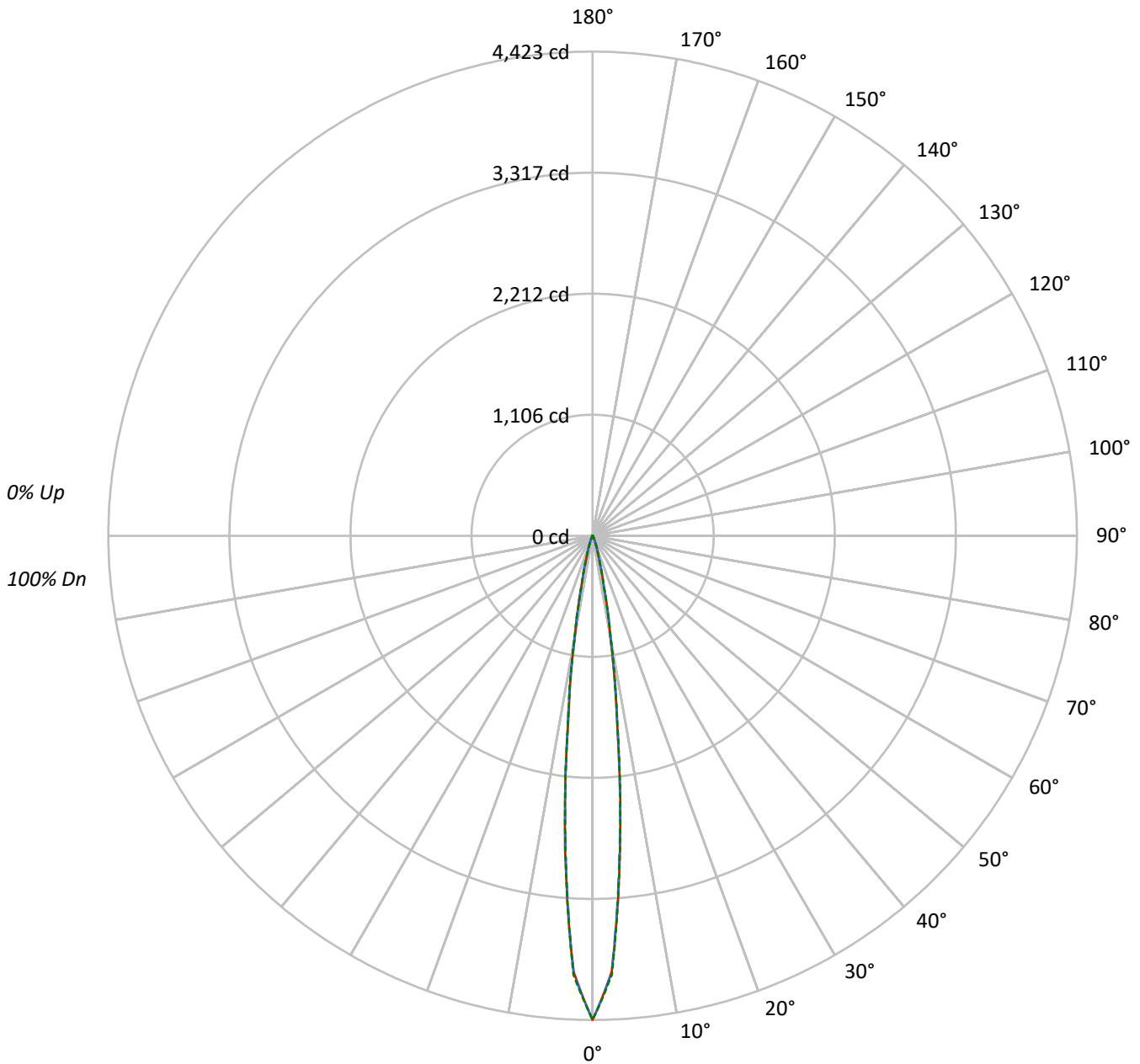
Downlight



TEST NUMBER: P756898

CATALOG NUMBER: LD6D02D010-EU6DR150210IC9027-6LBCSSQMB

### Luminous Intensity Polar Plot





TEST NUMBER: P756898

CATALOG NUMBER: LD6D02D010-EU6DR150210IC9027-6LBCSSQMB

**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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98																			
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96																			
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94																			
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93																			
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92																			
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90																			
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89																			
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88																			
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87																			
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	497653	497653	497653
5°	292447	288657	290943
10°	87280	87896	89239
15°	21714	22131	21454
20°	6497	7520	6636
25°	2290	2913	2321
30°	839	1108	854
35°	421	479	407
40°	263	291	263
45°	196	210	196
50°	153	153	153
55°	132	132	132
60°	105	105	105
65°	79	79	79
70°	66	66	66
75°	45	45	53
80°	32	32	32
85°	17	17	17

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 210 cd/sqm



TEST NUMBER: P756898

CATALOG NUMBER: LD6D02D010-EU6DR150210IC9027-6LBCSSQMB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	210.5	64.9
10°-20°	86.6	26.7
20°-30°	17.2	5.3
30°-40°	4.3	1.3
40°-50°	2.2	0.7
50°-60°	1.7	0.5
60°-70°	1.2	0.4
70°-80°	0.7	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°	314.3	96.8
0°-40°	318.6	98.2
0°-60°	322.6	99.4
0°-90°	324.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	324.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4423	4423	4423	4423	4423	
5°	2878	2848	2840	2860	2863	210
15°	250	255	255	250	247	86
25°	29	33	37	33	30	15
35°	6	6	7	6	6	4
45°	3	3	3	3	3	2
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P756898

CATALOG NUMBER: LD6D02D010-EU6DR150210IC9027-6LBCSSQMB

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4422.8	4422.8	4422.8	4422.8	4422.8
2.5°	3989.6	3992.9	3994.2	3998.2	4012.8
5°	2877.6	2848.0	2840.3	2860.0	2862.8
7.5°	1704.6	1710.6	1732.5	1737.3	1719.7
10°	935.4	943.1	942.0	948.7	956.4
12.5°	478.4	472.4	470.5	478.2	467.5
15°	250.0	254.6	254.8	250.3	247.0
17.5°	134.4	139.9	148.9	141.5	130.3
20°	79.4	84.3	91.9	85.9	81.1
22.5°	49.1	53.0	58.4	53.7	49.8
25°	29.4	33.3	37.4	33.1	29.8
27.5°	17.4	20.8	23.4	20.6	17.2
30°	11.2	13.1	14.8	12.9	11.4
32.5°	7.9	8.6	9.4	8.6	7.9
35°	5.8	6.2	6.6	6.2	5.6
37.5°	4.5	4.9	5.1	4.7	4.3
40°	3.7	3.9	4.1	3.9	3.7
42.5°	3.2	3.4	3.4	3.4	3.2
45°	2.8	2.8	3.0	2.8	2.8
47.5°	2.4	2.4	2.6	2.4	2.4
50°	2.2	2.2	2.2	2.2	2.2
52.5°	2.1	2.1	2.1	2.1	2.1
55°	1.9	1.9	1.9	1.9	1.9
57.5°	1.7	1.7	1.7	1.7	1.7
60°	1.5	1.5	1.5	1.5	1.5
62.5°	1.3	1.3	1.3	1.3	1.3
65°	1.1	1.1	1.1	1.1	1.1
67.5°	1.1	1.1	1.1	1.1	1.1
70°	0.9	0.9	0.9	0.9	0.9
72.5°	0.7	0.7	0.7	0.7	0.7
75°	0.6	0.6	0.6	0.6	0.7
77.5°	0.6	0.6	0.6	0.6	0.6
80°	0.4	0.4	0.4	0.4	0.4
82.5°	0.4	0.4	0.4	0.4	0.4
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



Report Generated By 670245859 / DESKTOP-T8S5UU9

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°

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

Scaled Data Report



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

Scaled Data Report



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

Scaled Data Report



(END OF REPORT)