

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: P756900

Luminaire Tested: LD6D02D010-EU6DR150210IC9027-6LBCSSQMW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P756900  
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-EU6DR150210IC9027-6LBCSSQMW  
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: 333.9 lumens  
Efficiency: N/A  
Efficacy: 65.5 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



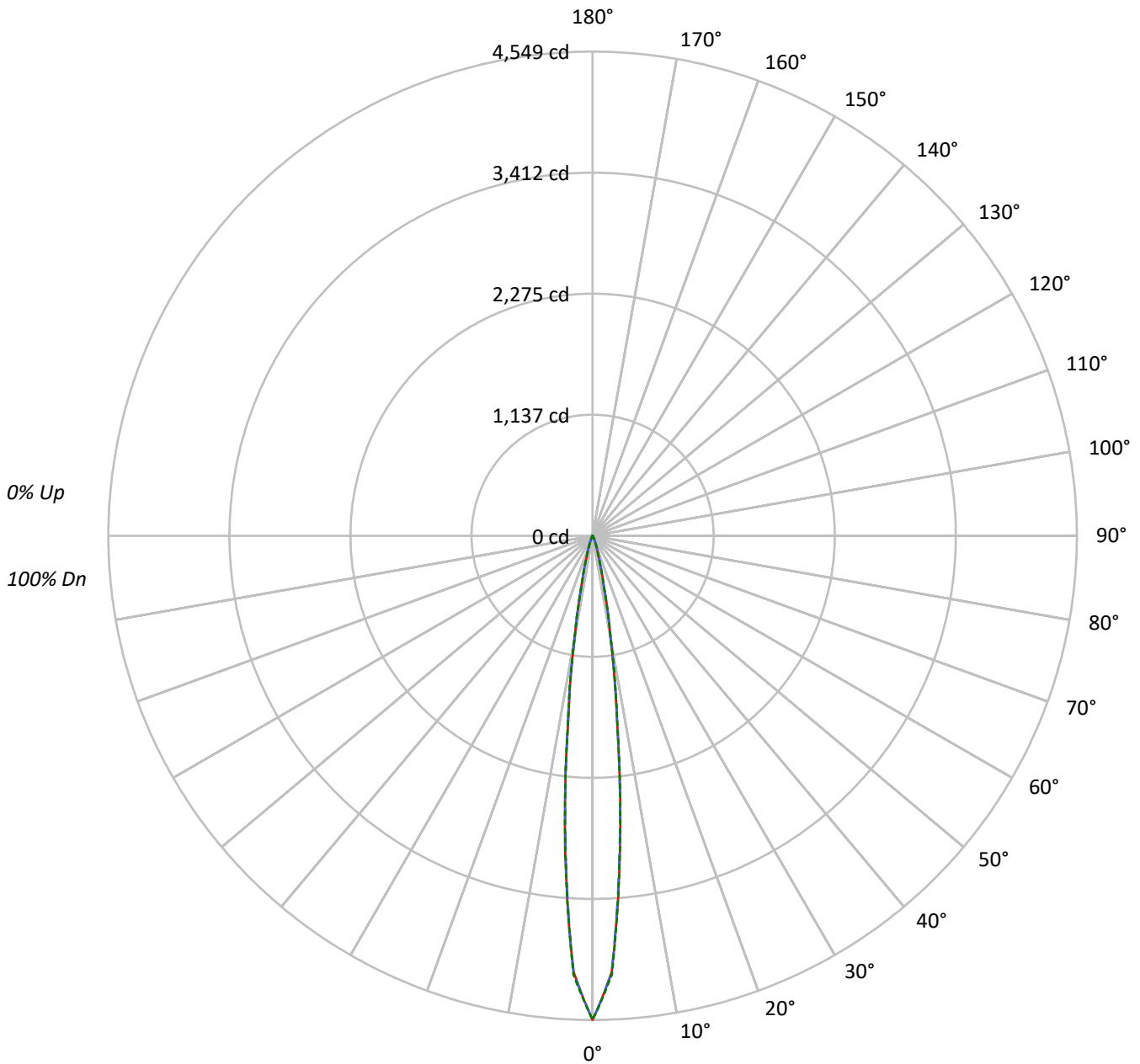
Downlight



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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	93	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°	511887	511887	511887
5°	300811	296919	299267
10°	89781	90406	91787
15°	22331	22765	22062
20°	6685	7740	6824
25°	2353	2999	2384
30°	869	1138	876
35°	436	487	421
40°	277	298	277
45°	203	217	203
50°	160	160	160
55°	132	132	132
60°	105	105	105
65°	86	86	86
70°	73	73	73
75°	45	45	60
80°	32	32	32
85°	17	17	17

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 217 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	216.6	64.9
10°-20°	89.1	26.7
20°-30°	17.7	5.3
30°-40°	4.4	1.3
40°-50°	2.3	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°	323.3	96.8
0°-40°	327.7	98.1
0°-60°	331.8	99.4
0°-90°	333.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	333.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4549	4549	4549	4549	4549	
5°	2960	2930	2922	2942	2945	216
15°	257	262	262	258	254	88
25°	30	34	38	34	31	16
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	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4549.3	4549.3	4549.3	4549.3	4549.3
2.5°	4103.7	4107.2	4108.5	4112.5	4127.6
5°	2959.9	2929.5	2921.6	2941.8	2944.7
7.5°	1753.3	1759.5	1782.0	1787.0	1768.9
10°	962.2	970.1	968.9	975.8	983.7
12.5°	492.1	485.9	484.0	491.9	480.9
15°	257.1	261.9	262.1	257.5	254.0
17.5°	138.3	143.9	153.1	145.6	134.0
20°	81.7	86.7	94.6	88.4	83.4
22.5°	50.5	54.5	60.1	55.3	51.2
25°	30.2	34.3	38.5	34.1	30.6
27.5°	17.9	21.4	24.1	21.2	17.7
30°	11.6	13.5	15.2	13.3	11.7
32.5°	8.1	8.9	9.6	8.9	8.1
35°	6.0	6.4	6.7	6.4	5.8
37.5°	4.6	5.0	5.2	4.8	4.4
40°	3.9	4.0	4.2	4.0	3.9
42.5°	3.3	3.5	3.5	3.5	3.3
45°	2.9	2.9	3.1	2.9	2.9
47.5°	2.5	2.5	2.7	2.5	2.5
50°	2.3	2.3	2.3	2.3	2.3
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°	1.2	1.2	1.2	1.2	1.2
67.5°	1.2	1.2	1.2	1.2	1.2
70°	1.0	1.0	1.0	1.0	1.0
72.5°	0.8	0.8	0.8	0.8	0.8
75°	0.6	0.6	0.6	0.6	0.8
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



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Scaled Data Report







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

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