

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: P756937

Luminaire Tested: LD6D02D010-EU6DR150210IC9040-6LBCSSQMB

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P756937  
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-EU6DR150210IC9040-6LBCSSQMB  
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 363.6 lumens  
Efficiency: N/A  
Efficacy: 71.3 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



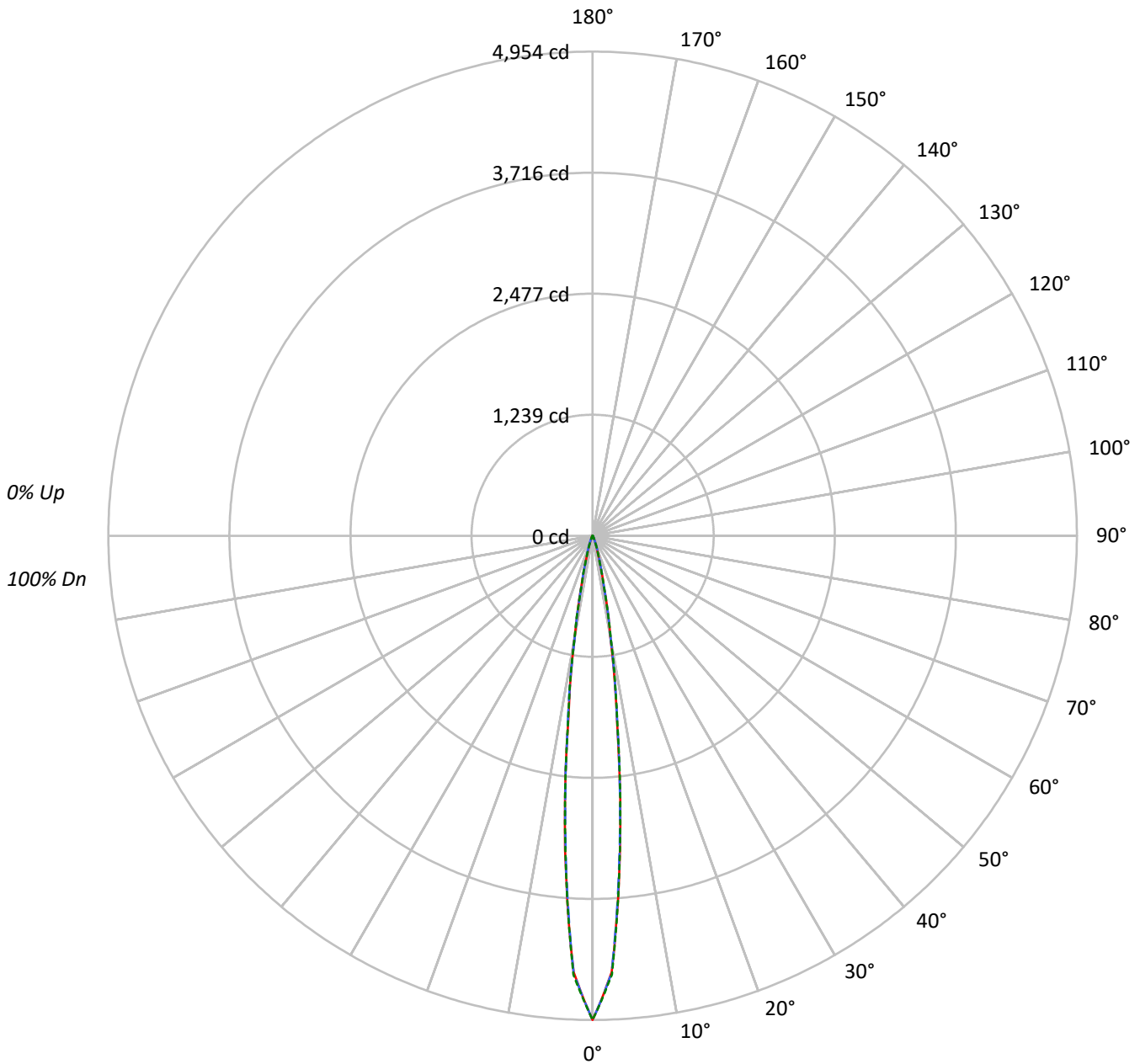
Downlight



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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	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	99	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	99	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°	557469	557469	557469
5°	327591	323353	325914
10°	97768	98458	99960
15°	24320	24798	24025
20°	7274	8428	7430
25°	2563	3264	2594
30°	944	1243	958
35°	472	530	458
40°	298	327	298
45°	217	238	217
50°	174	174	174
55°	146	146	146
60°	119	119	119
65°	93	93	93
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: 238 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	235.8	64.9
10°-20°	97.0	26.7
20°-30°	19.3	5.3
30°-40°	4.8	1.3
40°-50°	2.5	0.7
50°-60°	1.9	0.5
60°-70°	1.3	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°	352.1	96.8
0°-40°	356.9	98.2
0°-60°	361.3	99.4
0°-90°	363.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	363.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4954	4954	4954	4954	4954	
5°	3223	3190	3182	3204	3207	235
15°	280	285	286	280	277	96
25°	33	37	42	37	33	17
35°	6	7	7	7	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°	4954.4	4954.4	4954.4	4954.4	4954.4
2.5°	4469.1	4472.8	4474.3	4478.7	4495.1
5°	3223.4	3190.3	3181.7	3203.7	3206.9
7.5°	1909.4	1916.1	1940.7	1946.1	1926.4
10°	1047.8	1056.4	1055.2	1062.7	1071.3
12.5°	535.9	529.2	527.1	535.7	523.7
15°	280.0	285.2	285.5	280.4	276.6
17.5°	150.6	156.7	166.7	158.6	146.0
20°	88.9	94.4	103.0	96.3	90.8
22.5°	55.0	59.4	65.4	60.2	55.8
25°	32.9	37.3	41.9	37.1	33.3
27.5°	19.5	23.3	26.2	23.1	19.3
30°	12.6	14.7	16.6	14.5	12.8
32.5°	8.8	9.6	10.5	9.6	8.8
35°	6.5	6.9	7.3	6.9	6.3
37.5°	5.0	5.5	5.7	5.2	4.8
40°	4.2	4.4	4.6	4.4	4.2
42.5°	3.6	3.8	3.8	3.8	3.6
45°	3.1	3.1	3.4	3.1	3.1
47.5°	2.7	2.7	2.9	2.7	2.7
50°	2.5	2.5	2.5	2.5	2.5
52.5°	2.3	2.3	2.3	2.3	2.3
55°	2.1	2.1	2.1	2.1	2.1
57.5°	1.9	1.9	1.9	1.9	1.9
60°	1.7	1.7	1.7	1.7	1.7
62.5°	1.5	1.5	1.5	1.5	1.5
65°	1.3	1.3	1.3	1.3	1.3
67.5°	1.3	1.3	1.3	1.3	1.3
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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