

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



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: P759952

Luminaire Tested: LD6D10D010-EU6DR150210IC9027-6LBSQW1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P759952  
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-EU6DR150210IC9027-6LBSQW1MW  
Description: 6 INCH SQAURE DEEP 45° CUTOFF 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: 923.4 lumens  
Efficiency: N/A  
Efficacy: 78.9 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 (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



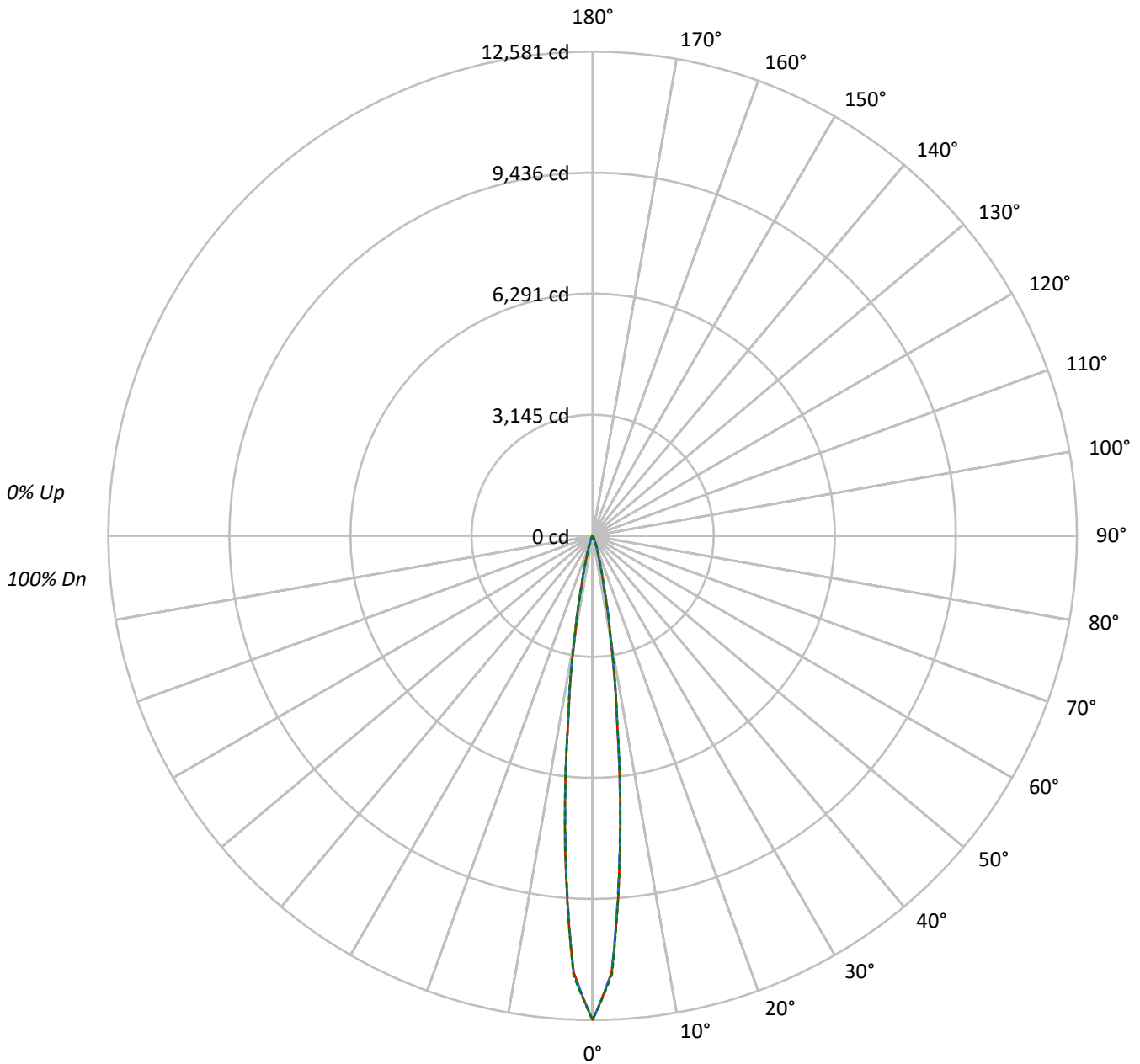
Downlight



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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	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°	1415602	1415602	1415602
5°	831873	821101	827605
10°	248273	250018	253843
15°	61755	62963	61017
20°	18476	21397	18868
25°	6512	8296	6598
30°	2396	3153	2434
35°	1198	1351	1162
40°	760	831	760
45°	560	595	560
50°	445	445	445
55°	369	369	369
60°	302	302	302
65°	228	228	228
70°	197	197	197
75°	121	121	159
80°	87	87	87
85°	42	42	42

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 595 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	598.9	64.9
10°-20°	246.3	26.7
20°-30°	48.9	5.3
30°-40°	12.2	1.3
40°-50°	6.4	0.7
50°-60°	4.8	0.5
60°-70°	3.4	0.4
70°-80°	1.9	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°	894.1	96.8
0°-40°	906.4	98.2
0°-60°	917.5	99.4
0°-90°	923.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	923.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	12581	12581	12581	12581	12581	
5°	8185	8101	8079	8135	8143	598
15°	711	724	725	712	702	244
25°	84	95	106	94	85	44
35°	16	18	19	18	16	11
45°	8	8	8	8	8	6
55°	5	5	5	5	5	5
65°	3	3	3	3	3	3
75°	2	2	2	2	2	2
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	12580.9	12580.9	12580.9	12580.9	12580.9
2.5°	11348.5	11358.1	11361.8	11373.0	11414.5
5°	8185.4	8101.3	8079.4	8135.4	8143.4
7.5°	4848.7	4865.8	4928.1	4941.9	4891.9
10°	2660.8	2682.7	2679.5	2698.7	2720.5
12.5°	1360.8	1343.7	1338.4	1360.2	1329.9
15°	711.0	724.3	724.9	712.1	702.5
17.5°	382.4	397.8	423.4	402.6	370.7
20°	225.8	239.7	261.5	244.5	230.6
22.5°	139.5	150.7	166.2	152.9	141.7
25°	83.6	94.8	106.5	94.3	84.7
27.5°	49.5	59.1	66.6	58.6	49.0
30°	32.0	37.3	42.1	36.7	32.5
32.5°	22.4	24.5	26.6	24.5	22.4
35°	16.5	17.6	18.6	17.6	16.0
37.5°	12.8	13.8	14.4	13.3	12.2
40°	10.7	11.2	11.7	11.2	10.7
42.5°	9.1	9.6	9.6	9.6	9.1
45°	8.0	8.0	8.5	8.0	8.0
47.5°	6.9	6.9	7.5	6.9	6.9
50°	6.4	6.4	6.4	6.4	6.4
52.5°	5.9	5.9	5.9	5.9	5.9
55°	5.3	5.3	5.3	5.3	5.3
57.5°	4.8	4.8	4.8	4.8	4.8
60°	4.3	4.3	4.3	4.3	4.3
62.5°	3.7	3.7	3.7	3.7	3.7
65°	3.2	3.2	3.2	3.2	3.2
67.5°	3.2	3.2	3.2	3.2	3.2
70°	2.7	2.7	2.7	2.7	2.7
72.5°	2.1	2.1	2.1	2.1	2.1
75°	1.6	1.6	1.6	1.6	2.1
77.5°	1.6	1.6	1.6	1.6	1.6
80°	1.1	1.1	1.1	1.1	1.1
82.5°	1.1	1.1	1.1	1.1	1.1
85°	0.5	0.5	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

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Scaled Data Report



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Scaled Data Report







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

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(END OF REPORT)