

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: P740292

Luminaire Tested: LD4D05D010-EU4DR400210IC9050-4LBCSSQMW

Issue Date: 1/30/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P740292  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/30/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D05D010-EU4DR400210IC9050-4LBCSSQMW  
Description: 4 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 40° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 673.3 lumens  
Efficiency: N/A  
Efficacy: 89.8 lumens/watt  
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.5  
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



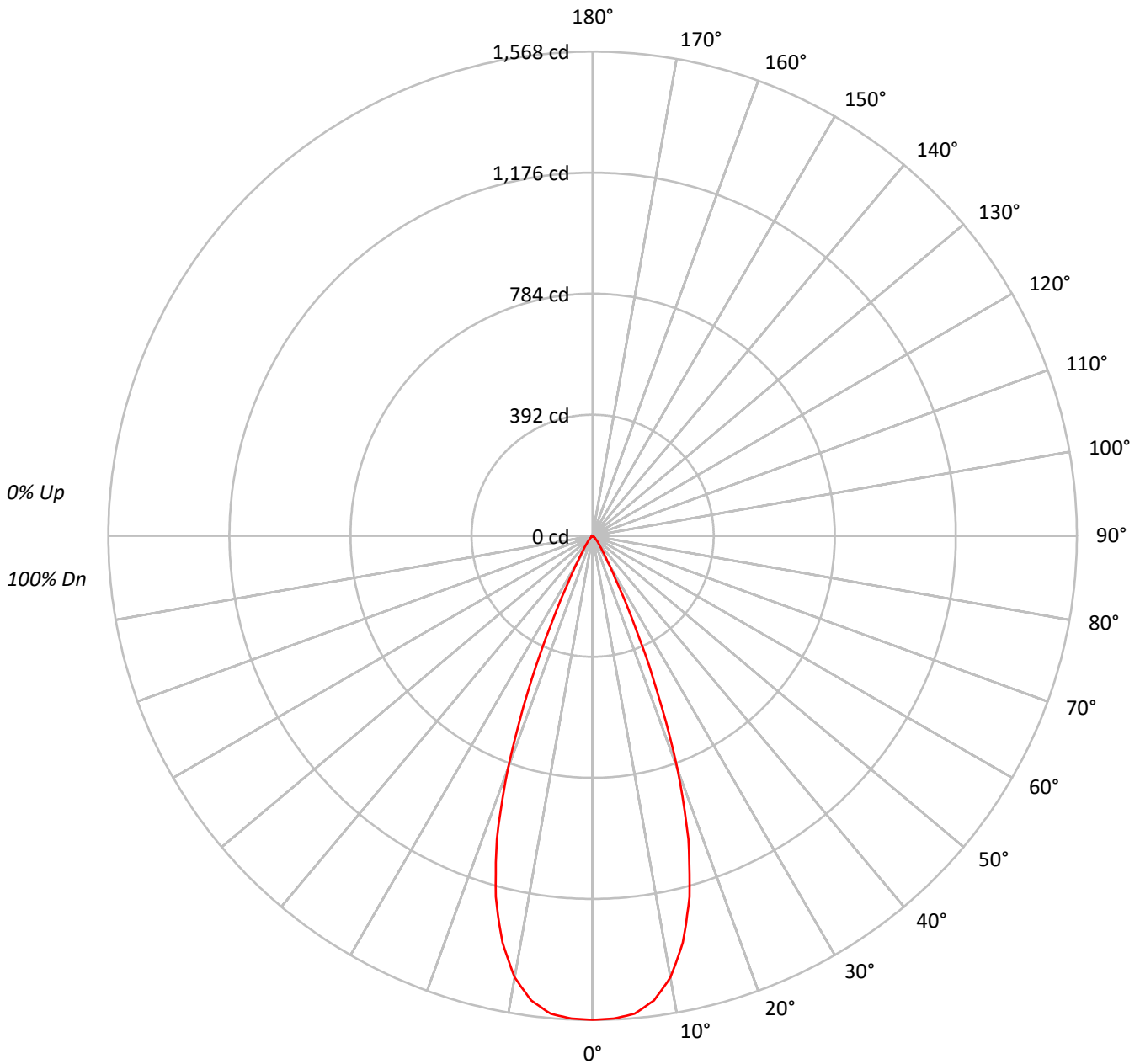
Downlight



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									20																	
RC	80									70									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	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	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	97	96																																				
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92																																				
3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88																																				
4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84																																				
5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81																																				
6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77																																				
7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	74																																				
8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72																																				
9	86	79	74	71	85	78	74	71	77	73	71	76	73	70	76	72	70	69																																				
10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	68	67																																				

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

	0°
0°	171266
5°	170440
10°	161094
15°	136960
20°	93344
25°	38952
30°	12250
35°	5695
40°	3152
45°	1437
50°	697
55°	381
60°	197
65°	78
70°	32
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1437 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	145.1	21.6
10°-20°	325.1	48.3
20°-30°	162.7	24.2
30°-40°	29.8	4.4
40°-50°	8.2	1.2
50°-60°	1.9	0.3
60°-70°	0.4	0.1
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	632.9	94.0
0°-40°	662.7	98.4
0°-60°	672.9	99.9
0°-90°	673.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	673.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1568	
5°	1554	145
15°	1211	325
25°	323	163
35°	43	30
45°	9	8
55°	2	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1567.5
2.5°	1565.2
5°	1554.0
7.5°	1518.0
10°	1452.0
12.5°	1349.1
15°	1210.8
17.5°	1030.8
20°	802.8
22.5°	547.3
25°	323.1
27.5°	170.8
30°	97.1
32.5°	62.7
35°	42.7
37.5°	30.5
40°	22.1
42.5°	15.1
45°	9.3
47.5°	6.0
50°	4.1
52.5°	2.9
55°	2.0
57.5°	1.3
60°	0.9
62.5°	0.6
65°	0.3
67.5°	0.2
70°	0.1
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)