

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: P741223

Luminaire Tested: LD4D08D010-EU4DR350210IC9040-4LBS1MW

Issue Date: 1/30/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P741223  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-20)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/30/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D08D010-EU4DR350210IC9040-4LBS1MW  
Description: 4 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 35° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 775.1 lumens  
Efficiency: N/A  
Efficacy: 87.1 lumens/watt  
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.54  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 8.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

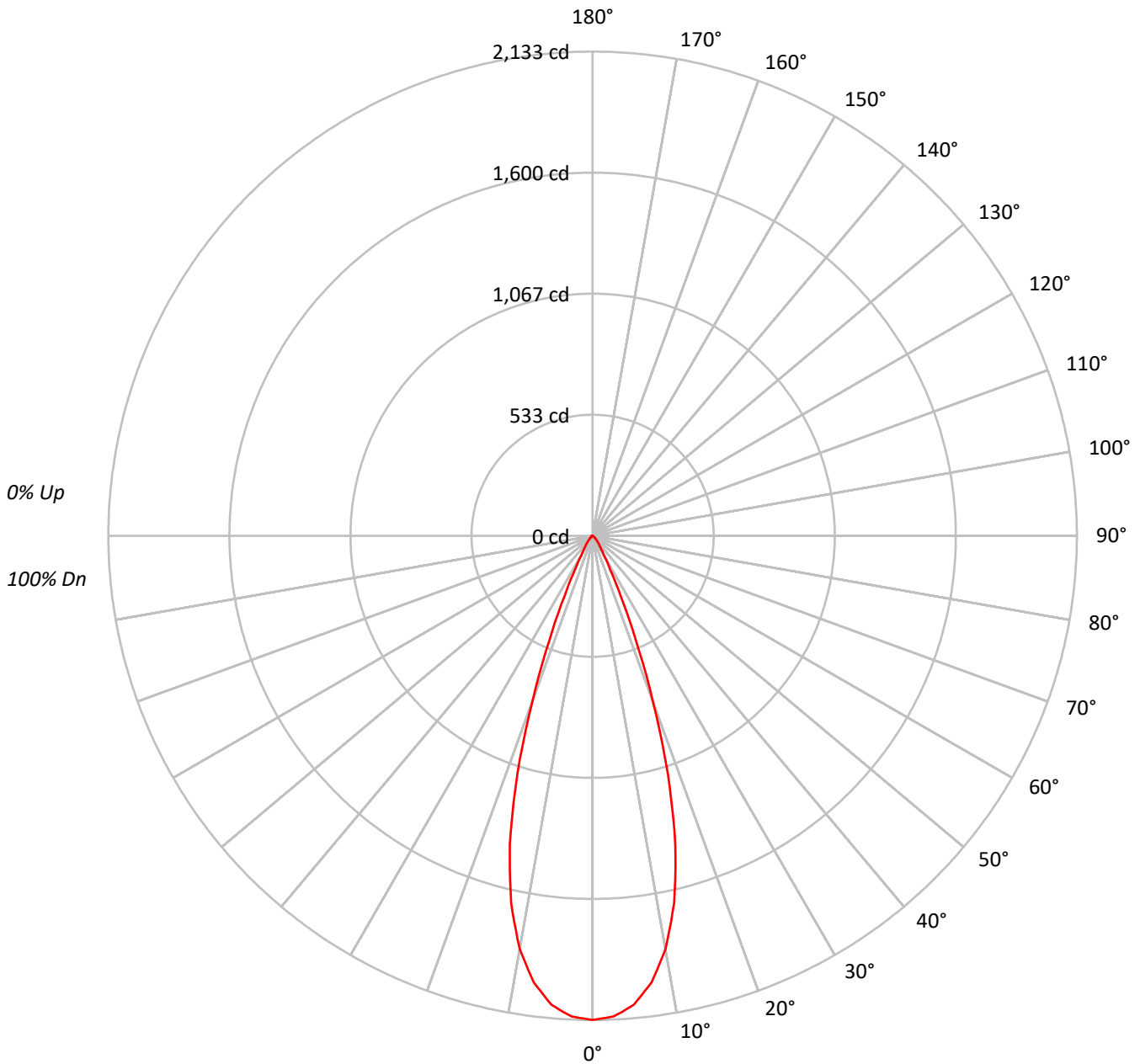


Downlight



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

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

	0°
0°	233020
5°	227549
10°	205073
15°	159176
20°	90286
25°	35118
30°	13108
35°	7189
40°	4693
45°	2859
50°	1819
55°	1295
60°	940
65°	517
70°	32
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 2859 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	190.8	24.6
10°-20°	372.5	48.1
20°-30°	151.9	19.6
30°-40°	36.4	4.7
40°-50°	15.2	2.0
50°-60°	6.3	0.8
60°-70°	2.0	0.3
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°	715.3	92.3
0°-40°	751.7	97.0
0°-60°	773.1	99.7
0°-90°	775.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	775.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2133	
5°	2075	191
15°	1407	373
25°	291	152
35°	54	36
45°	18	15
55°	7	6
65°	2	2
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2132.7
2.5°	2119.9
5°	2074.7
7.5°	1984.4
10°	1848.4
12.5°	1657.0
15°	1407.2
17.5°	1101.6
20°	776.5
22.5°	495.1
25°	291.3
27.5°	164.7
30°	103.9
32.5°	72.9
35°	53.9
37.5°	41.7
40°	32.9
42.5°	25.4
45°	18.5
47.5°	13.9
50°	10.7
52.5°	8.5
55°	6.8
57.5°	5.4
60°	4.3
62.5°	3.2
65°	2.0
67.5°	0.7
70°	0.1
72.5°	0.1
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.1
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)