

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: P746103

Luminaire Tested: LD4D30D010-EU4DR3520359040-4LBS1H

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P746103
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: LD4D30D010-EU4DR3520359040-4LBS1H
Description: 4 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 35° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2921.2 lumens
Efficiency: N/A
Efficacy: 100.7 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): 29
Input Voltage (V): NR
Input Current (A_{in}): 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

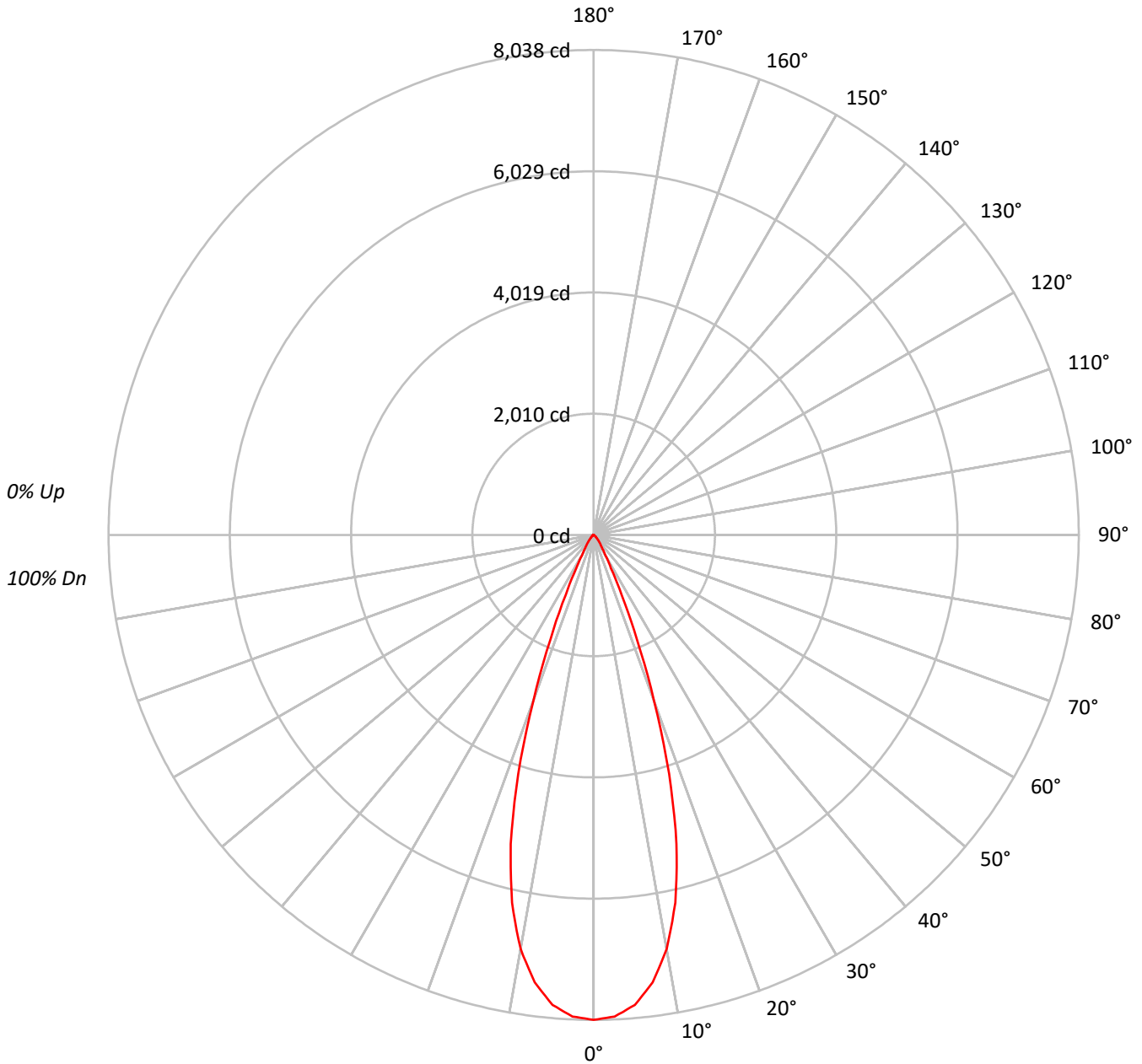


Downlight



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	878216
5°	857573
10°	772907
15°	599894
20°	340249
25°	132370
30°	49380
35°	27063
40°	17686
45°	10770
50°	6850
55°	4838
60°	3540
65°	1913
70°	160
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 10770 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	719.1	24.6
10°-20°	1404.0	48.1
20°-30°	572.6	19.6
30°-40°	137.0	4.7
40°-50°	57.1	2.0
50°-60°	23.6	0.8
60°-70°	7.4	0.3
70°-80°	0.2	0.0
80°-90°	0.1	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°	2695.8	92.3
0°-40°	2832.8	97.0
0°-60°	2913.5	99.7
0°-90°	2921.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2921.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8038	
5°	7819	719
15°	5303	1404
25°	1098	573
35°	203	137
45°	70	57
55°	25	24
65°	7	7
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8037.8
2.5°	7989.5
5°	7819.0
7.5°	7478.9
10°	6966.5
12.5°	6245.0
15°	5303.4
17.5°	4151.9
20°	2926.3
22.5°	1866.0
25°	1098.0
27.5°	620.7
30°	391.4
32.5°	274.8
35°	202.9
37.5°	156.9
40°	124.0
42.5°	95.6
45°	69.7
47.5°	52.1
50°	40.3
52.5°	32.0
55°	25.4
57.5°	20.6
60°	16.2
62.5°	11.9
65°	7.4
67.5°	2.6
70°	0.5
72.5°	0.5
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.5
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)