

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: P748050

Luminaire Tested: LD4D40BD010-EU4DR6040509040-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P748050
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D40BD010-EU4DR6040509040-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4190.1 lumens
Efficiency: N/A
Efficacy: 119.0 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

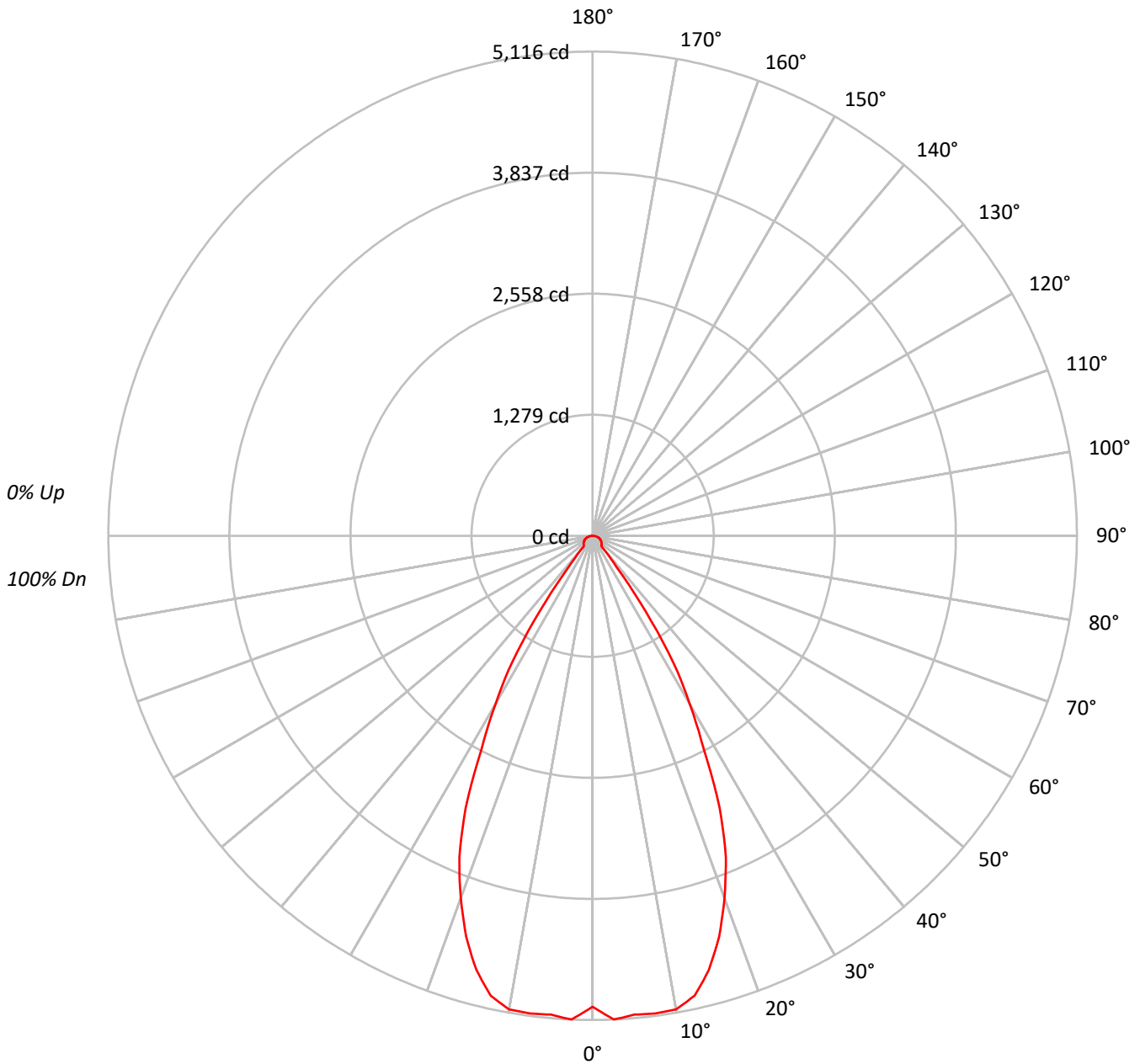
Input Watts (W): 35.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93			
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86			
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80			
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75			
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66			
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62			
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59			
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	543714
5°	557077
10°	563807
15°	537104
20°	473568
25°	383030
30°	259089
35°	129835
40°	21066
45°	20613
50°	21026
55°	21335
60°	21940
65°	22441
70°	22969
75°	23218
80°	22400
85°	18679

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 23218 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	485.4	11.6
10°-20°	1313.4	31.3
20°-30°	1413.1	33.7
30°-40°	614.3	14.7
40°-50°	103.2	2.5
50°-60°	100.3	2.4
60°-70°	85.8	2.0
70°-80°	57.4	1.4
80°-90°	17.2	0.4
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°	3212.0	76.7
0°-40°	3826.2	91.3
0°-60°	4029.7	96.2
0°-90°	4190.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4190.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4976	
5°	5079	485
15°	4748	1313
25°	3177	1413
35°	973	614
45°	133	103
55°	112	100
65°	87	86
75°	55	57
85°	15	17
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4976.3
2.5°	5116.2
5°	5079.2
7.5°	5090.9
10°	5081.8
12.5°	4976.9
15°	4748.3
17.5°	4441.3
20°	4072.9
22.5°	3678.5
25°	3177.2
27.5°	2541.2
30°	2053.6
32.5°	1582.8
35°	973.4
37.5°	416.4
40°	147.7
42.5°	136.0
45°	133.4
47.5°	128.9
50°	123.7
52.5°	117.9
55°	112.0
57.5°	106.2
60°	100.4
62.5°	93.9
65°	86.8
67.5°	79.7
70°	71.9
72.5°	63.5
75°	55.0
77.5°	45.3
80°	35.6
82.5°	25.3
85°	14.9
87.5°	5.2
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)