

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: P748071

Luminaire Tested: LD4D40BD010-EU4DR6540509024-4LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P748071
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D40BD010-EU4DR6540509024-4LBCSSQMB
Description: 4 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

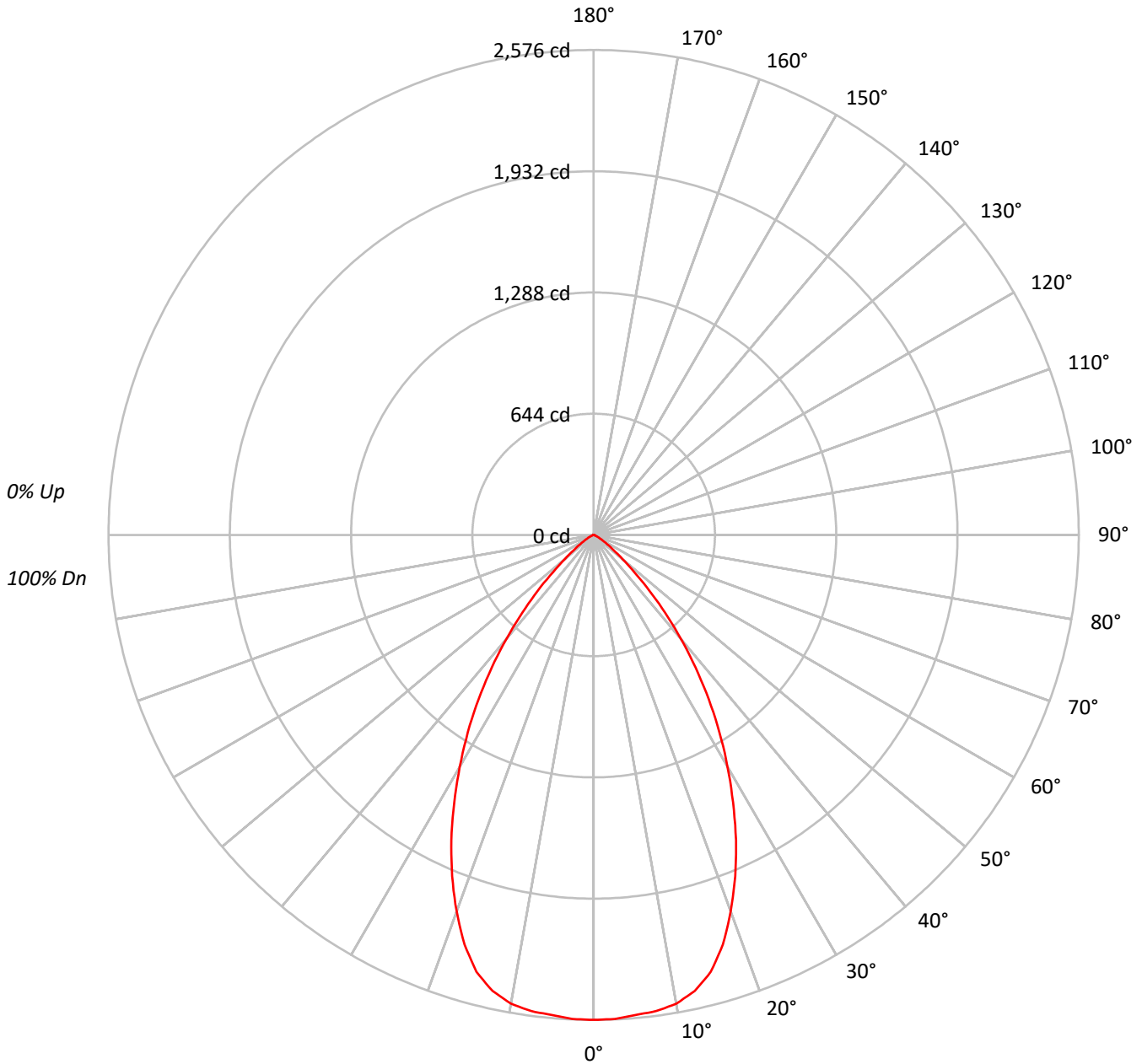
Lumens per Lamp: N/A
Luminaire Lumens: 2836.6 lumens
Efficiency: N/A
Efficacy: 80.6 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

Input Watts (W): 35.2
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



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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	100	100	100
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93	93	93	93
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85	85	85	85
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78	78	78	78
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72	72	72	72
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66	66	66	66
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61	61	61	61
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56	56	56	56
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52	52	52	52
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49	49	49	49
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46	46	46	46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	150425
5°	150044
10°	149917
15°	145295
20°	132272
25°	115267
30°	95871
35°	75961
40°	54825
45°	34641
50°	18054
55°	9592
60°	5034
65°	2778
70°	1161
75°	1286
80°	874
85°	737

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 34641 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.6	8.6
10°-20°	667.0	23.5
20°-30°	815.3	28.7
30°-40°	661.5	23.3
40°-50°	329.6	11.6
50°-60°	91.9	3.2
60°-70°	20.9	0.7
70°-80°	5.4	0.2
80°-90°	1.4	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°	1725.8	60.8
0°-40°	2387.3	84.2
0°-60°	2808.9	99.0
0°-90°	2836.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2836.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2576	
5°	2559	244
15°	2403	667
25°	1789	815
35°	1065	661
45°	419	330
55°	94	92
65°	20	21
75°	6	5
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2575.6
2.5°	2573.7
5°	2559.3
7.5°	2551.0
10°	2527.9
12.5°	2481.0
15°	2403.0
17.5°	2281.1
20°	2128.2
22.5°	1963.2
25°	1788.7
27.5°	1602.1
30°	1421.6
32.5°	1243.3
35°	1065.4
37.5°	887.9
40°	719.1
42.5°	560.9
45°	419.4
47.5°	292.2
50°	198.7
52.5°	137.0
55°	94.2
57.5°	63.6
60°	43.1
62.5°	29.9
65°	20.1
67.5°	10.2
70°	6.8
72.5°	6.4
75°	5.7
77.5°	3.8
80°	2.6
82.5°	1.9
85°	1.1
87.5°	0.8
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)