

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: P777115

Luminaire Tested: LERS4D02D010-EC4DR400210IC9035-4LBS1MW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P777115
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: LERS4D02D010-EC4DR400210IC9035-4LBS1MW
Description: 4 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 40° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 384.1 lumens
Efficiency: N/A
Efficacy: 75.3 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): 5.1
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

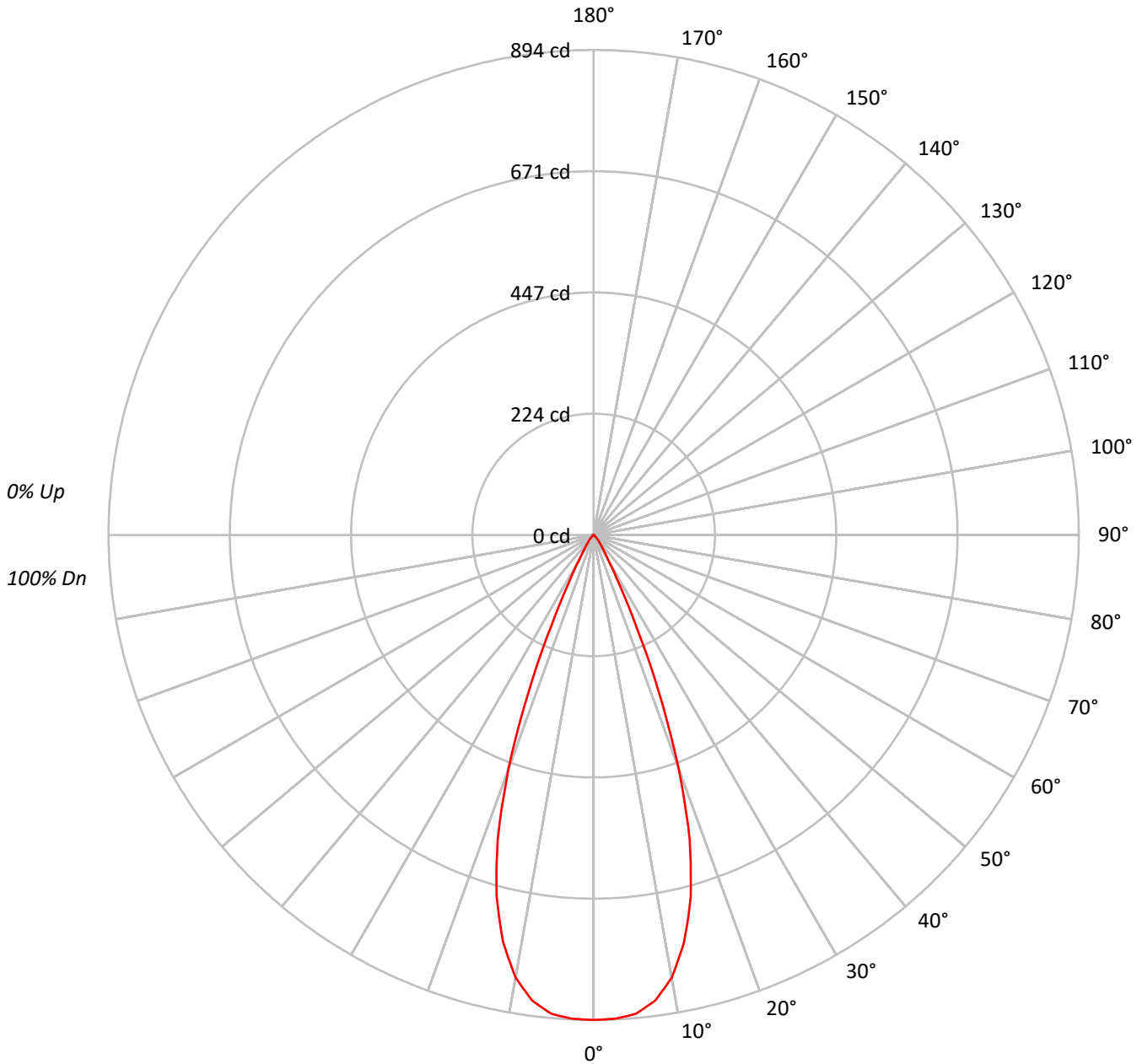


Downlight



TEST NUMBER: P777115
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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									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											100																	
1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	97	96	95	93	92	91	89	88	87	84	82	81	77	74	72															
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92	91	89	88	87	84	82	81	77	74	72	69	69																
3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88	87	84	82	81	77	74	72	69	69	69	69	69	69															
4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84	82	81	77	74	72	69	69	69	69	69	69	69	69															
5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81	77	74	72	69	69	69	69	69	69	69	69	69	69															
6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77	74	72	69	69	69	69	69	69	69	69	69	69	69															
7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	74	72	69	69	69	69	69	69	69	69	69	69	69	69															
8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72	69	69	69	69	69	69	69	69	69	69	69	69	69															
9	86	79	74	71	85	78	74	71	77	73	71	77	73	70	76	72	70	69	69	69	69	69	69	69	69	69	69	69	69	69	69															
10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	68	67	67	67	67	67	67	67	67	67	67	67	67	67	67															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	97701
5°	97230
10°	91908
15°	78129
20°	53253
25°	22218
30°	6977
35°	3255
40°	1797
45°	819
50°	391
55°	210
60°	109
65°	52
70°	32
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 819 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.8	21.6
10°-20°	185.4	48.3
20°-30°	92.8	24.2
30°-40°	17.0	4.4
40°-50°	4.7	1.2
50°-60°	1.1	0.3
60°-70°	0.2	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°	361.0	94.0
0°-40°	378.1	98.4
0°-60°	383.8	99.9
0°-90°	384.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	384.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	894	
5°	886	83
15°	691	185
25°	184	93
35°	24	17
45°	5	5
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	894.2
2.5°	892.9
5°	886.5
7.5°	866.0
10°	828.4
12.5°	769.6
15°	690.7
17.5°	588.1
20°	458.0
22.5°	312.3
25°	184.3
27.5°	97.4
30°	55.3
32.5°	35.8
35°	24.4
37.5°	17.4
40°	12.6
42.5°	8.6
45°	5.3
47.5°	3.4
50°	2.3
52.5°	1.7
55°	1.1
57.5°	0.7
60°	0.5
62.5°	0.3
65°	0.2
67.5°	0.1
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

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)