

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: P777655

Luminaire Tested: LERS4D08D010-EC4DR250210IC9024-4LBS1MW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P777655
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LERS4D08D010-EC4DR250210IC9024-4LBS1MW
Description: 4 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 25° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 582.8 lumens
Efficiency: N/A
Efficacy: 65.5 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.45
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 8.9
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



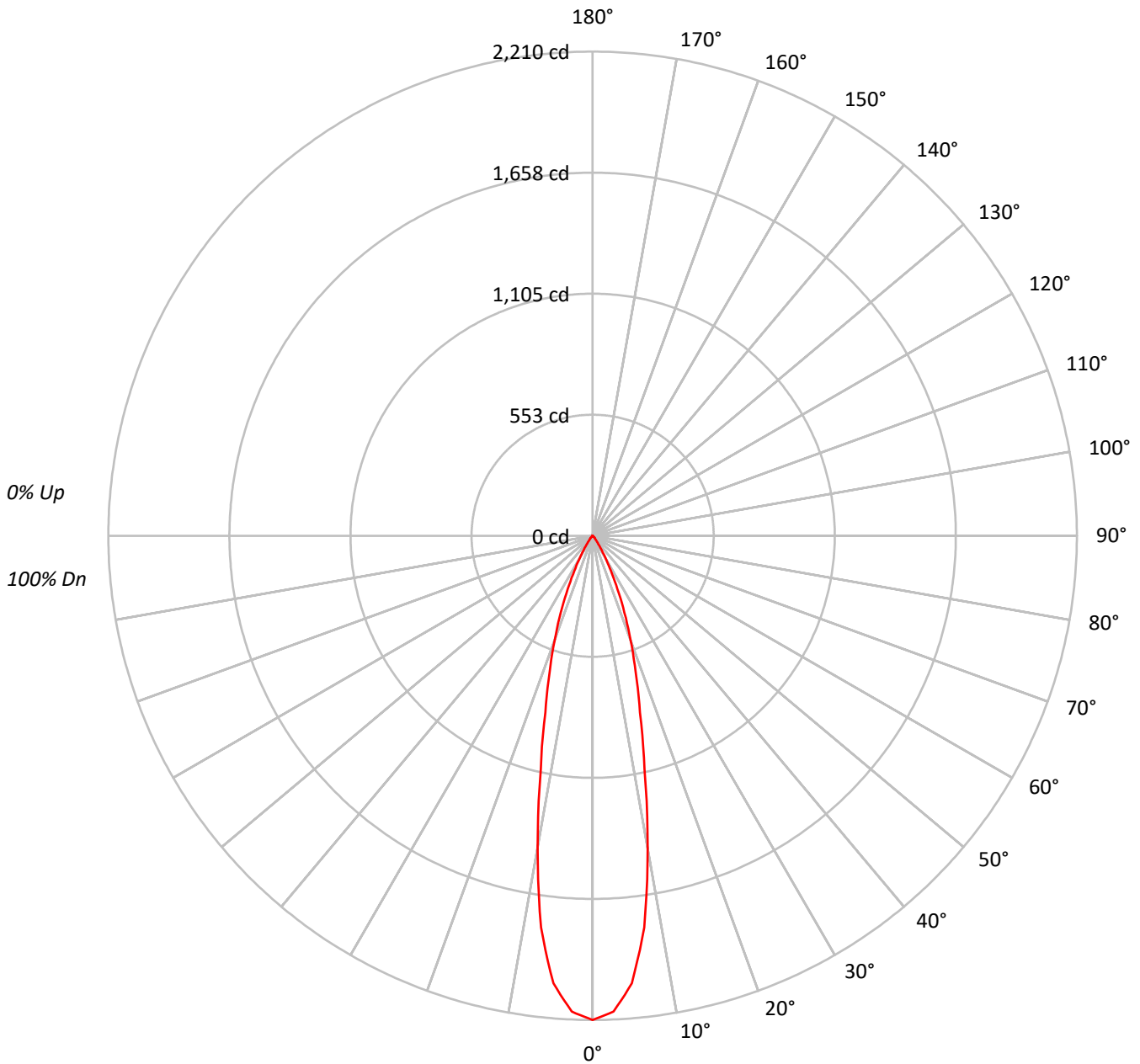
Downlight



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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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	115	113	111	109	112	110	109	107	106	105	104		103	102	101		99	99	98	96
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		97	95	94	92
3	107	102	98	95	105	101	97	94	98	95	93		96	93	91		94	92	90	89
4	103	97	93	90	102	96	93	90	94	91	89		93	90	88		91	89	87	85
5	100	93	89	86	98	93	89	86	91	87	85		89	86	84		88	85	83	82
6	97	90	85	82	95	89	85	82	88	84	81		87	83	81		85	83	80	79
7	93	87	82	79	92	86	82	79	85	81	78		84	80	78		83	80	78	77
8	91	84	79	76	90	83	79	76	82	78	76		81	78	75		80	77	75	74
9	88	81	76	73	87	80	76	73	80	76	73		79	75	73		78	75	73	72
10	85	78	74	71	85	78	74	71	77	73	71		76	73	71		76	73	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	241499
5°	224928
10°	160451
15°	94496
20°	58799
25°	32273
30°	14749
35°	5589
40°	2539
45°	1530
50°	629
55°	400
60°	284
65°	181
70°	32
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1530 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.2	30.2
10°-20°	238.7	41.0
20°-30°	126.3	21.7
30°-40°	31.2	5.4
40°-50°	7.6	1.3
50°-60°	2.0	0.3
60°-70°	0.7	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°	541.3	92.9
0°-40°	572.5	98.2
0°-60°	582.1	99.9
0°-90°	582.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	582.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2210	
5°	2051	176
15°	835	239
25°	268	126
35°	42	31
45°	10	8
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2210.3
2.5°	2174.0
5°	2050.8
7.5°	1803.3
10°	1446.2
12.5°	1093.2
15°	835.4
17.5°	651.1
20°	505.7
22.5°	379.2
25°	267.7
27.5°	179.5
30°	116.9
32.5°	71.2
35°	41.9
37.5°	25.7
40°	17.8
42.5°	13.6
45°	9.9
47.5°	6.0
50°	3.7
52.5°	2.7
55°	2.1
57.5°	1.7
60°	1.3
62.5°	1.0
65°	0.7
67.5°	0.3
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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