

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: P755253

Luminaire Tested: LD4D90BD010-EU4DR2570959024-4LBDP1MW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P755253
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: LD4D90BD010-EU4DR2570959024-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF 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: 5827.5 lumens
Efficiency: N/A
Efficacy: 58.9 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

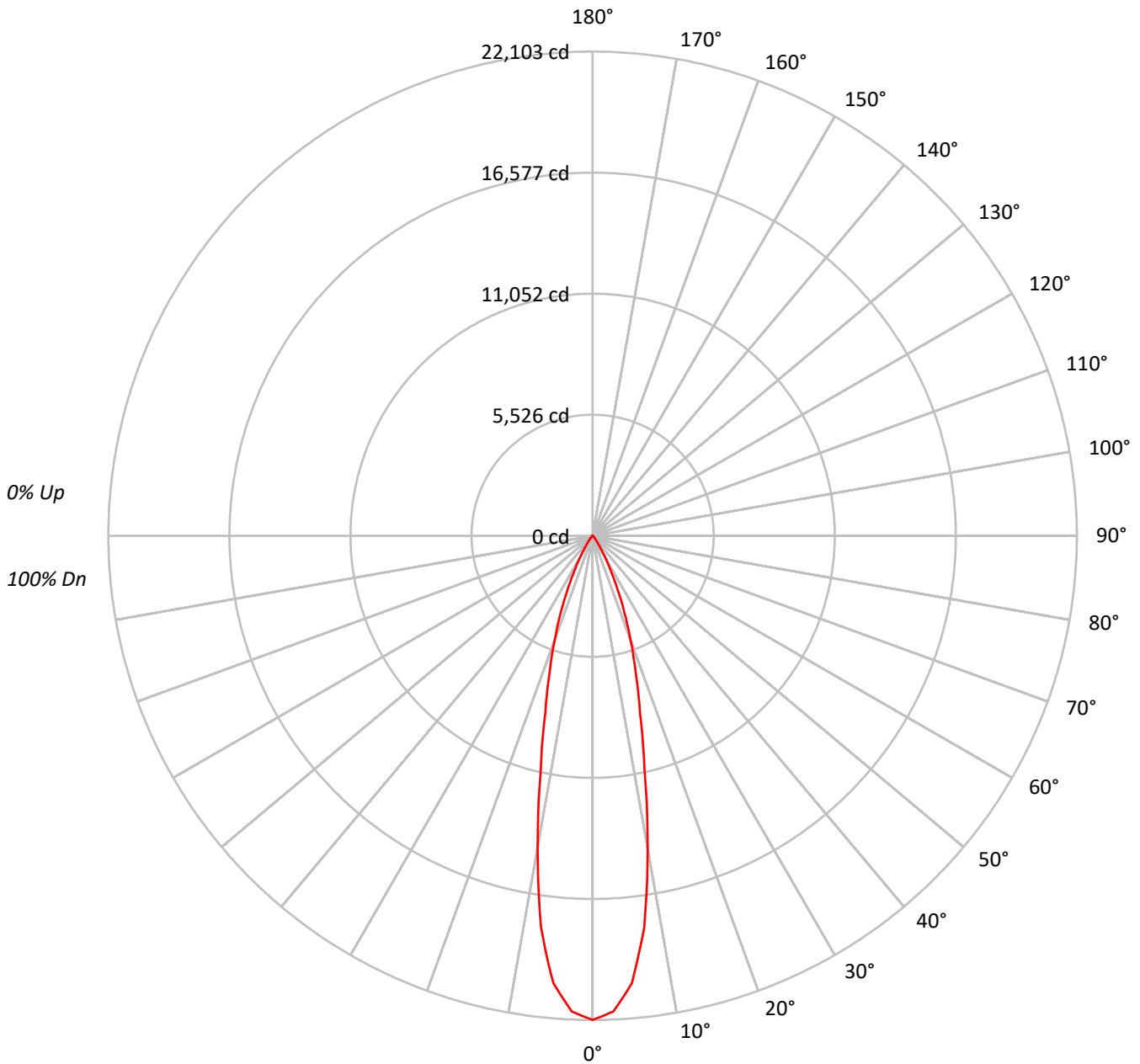
Input Watts (W): 98.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20								20								20								20																
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	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°	2414947
5°	2249224
10°	1604427
15°	944952
20°	587957
25°	322668
30°	147573
35°	55887
40°	25303
45°	15220
50°	6323
55°	4076
60°	2841
65°	1913
70°	288
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 15220 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1762.4	30.2
10°-20°	2387.1	41.0
20°-30°	1263.2	21.7
30°-40°	311.8	5.4
40°-50°	76.1	1.3
50°-60°	20.0	0.3
60°-70°	6.7	0.1
70°-80°	0.1	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°	5412.8	92.9
0°-40°	5724.6	98.2
0°-60°	5820.7	99.9
0°-90°	5827.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5827.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	22103	
5°	20508	###
15°	8354	2387
25°	2676	1263
35°	419	312
45°	98	76
55°	21	20
65°	7	7
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	22102.6
2.5°	21739.4
5°	20507.5
7.5°	18032.5
10°	14461.3
12.5°	10931.9
15°	8353.9
17.5°	6510.7
20°	5056.7
22.5°	3792.3
25°	2676.5
27.5°	1794.9
30°	1169.7
32.5°	711.6
35°	419.0
37.5°	256.4
40°	177.4
42.5°	135.6
45°	98.5
47.5°	59.5
50°	37.2
52.5°	26.9
55°	21.4
57.5°	16.7
60°	13.0
62.5°	10.2
65°	7.4
67.5°	2.8
70°	0.9
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

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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)