

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: P755799

Luminaire Tested: LD4D90BD010-EU4DR6070959024-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P755799
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: LD4D90BD010-EU4DR6070959024-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6688.8 lumens
Efficiency: N/A
Efficacy: 67.6 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

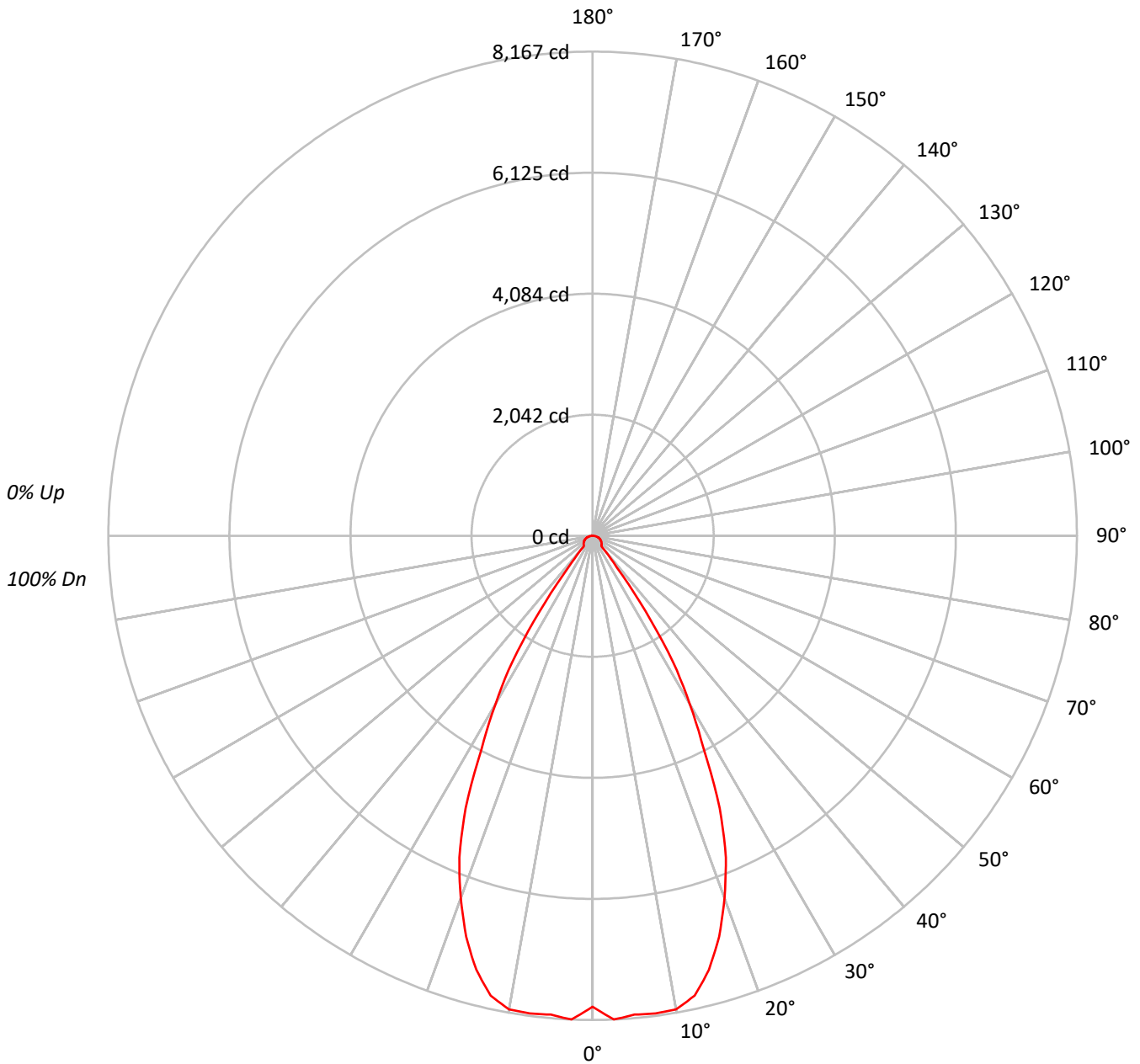
Input Watts (W): 98.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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									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°	867935
5°	889281
10°	900018
15°	857390
20°	755948
25°	611435
30°	413589
35°	207250
40°	33618
45°	32912
50°	33571
55°	34060
60°	35007
65°	35807
70°	36674
75°	37107
80°	35802
85°	29836

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 37107 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	774.9	11.6
10°-20°	2096.6	31.3
20°-30°	2255.8	33.7
30°-40°	980.5	14.7
40°-50°	164.7	2.5
50°-60°	160.1	2.4
60°-70°	137.0	2.0
70°-80°	91.7	1.4
80°-90°	27.4	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°	5127.3	76.7
0°-40°	6107.9	91.3
0°-60°	6432.7	96.2
0°-90°	6688.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6688.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7944	
5°	8108	775
15°	7580	2097
25°	5072	2256
35°	1554	981
45°	213	165
55°	179	160
65°	138	137
75°	88	92
85°	24	27
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7943.7
2.5°	8167.0
5°	8108.1
7.5°	8126.7
10°	8112.2
12.5°	7944.7
15°	7579.8
17.5°	7089.8
20°	6501.5
22.5°	5872.0
25°	5071.8
27.5°	4056.6
30°	3278.2
32.5°	2526.6
35°	1553.8
37.5°	664.7
40°	235.7
42.5°	217.1
45°	213.0
47.5°	205.7
50°	197.5
52.5°	188.2
55°	178.8
57.5°	169.5
60°	160.2
62.5°	149.9
65°	138.5
67.5°	127.2
70°	114.8
72.5°	101.3
75°	87.9
77.5°	72.4
80°	56.9
82.5°	40.3
85°	23.8
87.5°	8.3
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)