

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: P747063

Luminaire Tested: LD4D35BD010-EU4DR5020359024-4LBDP1MW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P747063
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-44)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D35BD010-EU4DR5020359024-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 50° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2701.7 lumens
Efficiency: N/A
Efficacy: 87.7 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.73
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

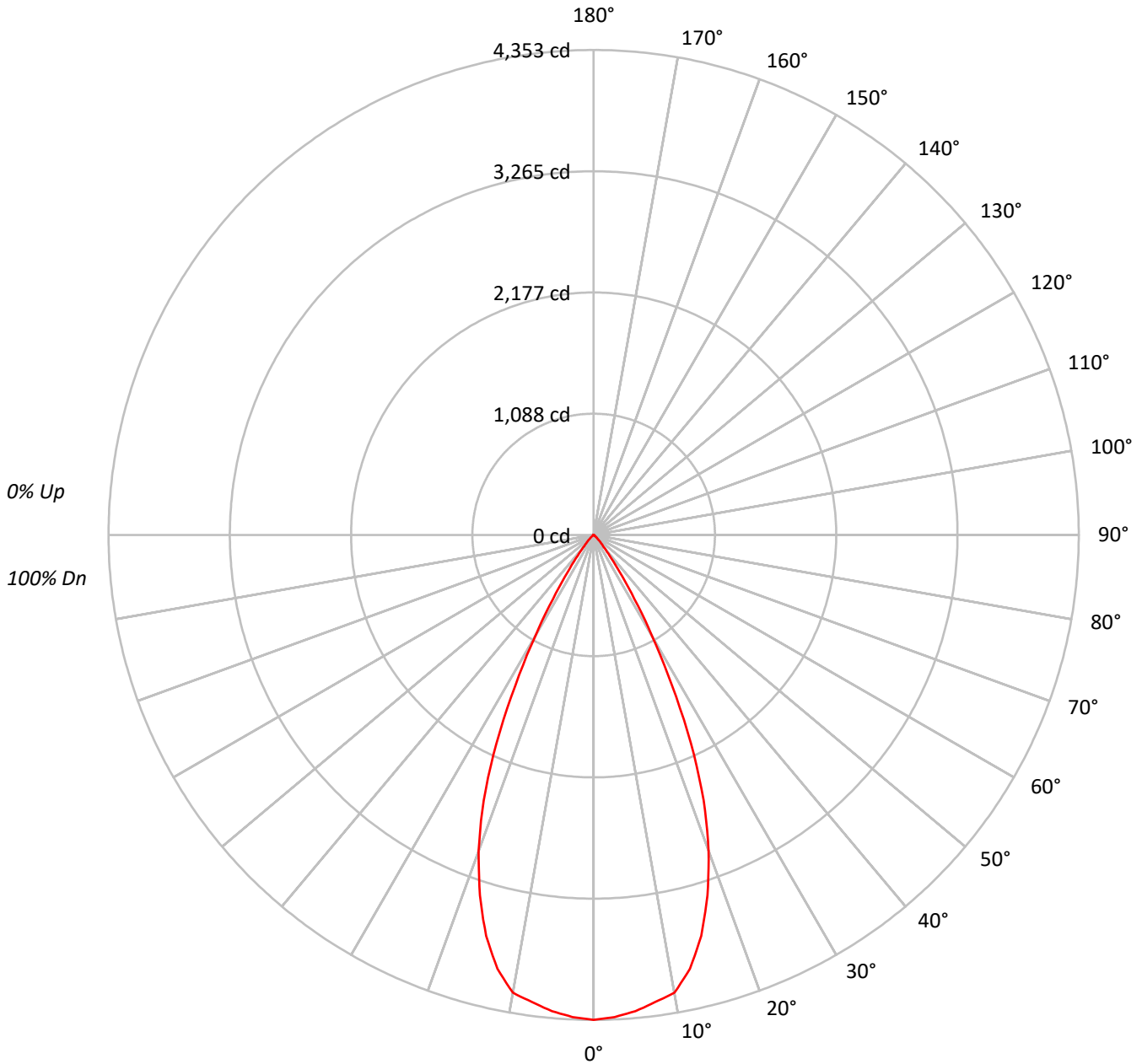
Input Watts (W): 30.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	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	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	95			95	
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90			90	
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85			85	
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	80			80	
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	76			76	
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	74	72			72	
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	69			69	
8	85	76	71	67	84	76	71	67	75	70	67	74	70	67	73	69	66	65			65	
9	81	73	68	64	80	72	67	64	71	67	64	71	67	64	70	66	63	62			62	
10	78	70	64	61	77	69	64	61	68	64	61	68	64	61	67	63	60	59			59	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	475634
5°	470651
10°	462890
15°	421501
20°	350737
25°	248972
30°	131778
35°	53700
40°	19940
45°	9132
50°	3740
55°	1962
60°	961
65°	284
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 9132 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	405.6	15.0
10°-20°	1025.0	37.9
20°-30°	920.8	34.1
30°-40°	288.3	10.7
40°-50°	50.5	1.9
50°-60°	10.1	0.4
60°-70°	1.5	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°	2351.4	87.0
0°-40°	2639.7	97.7
0°-60°	2700.2	99.9
0°-90°	2701.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2701.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4353	
5°	4291	406
15°	3726	1025
25°	2065	921
35°	403	288
45°	59	50
55°	10	10
65°	1	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4353.2
2.5°	4331.5
5°	4291.2
7.5°	4229.5
10°	4172.2
12.5°	3988.7
15°	3726.3
17.5°	3393.1
20°	3016.5
22.5°	2580.9
25°	2065.2
27.5°	1518.3
30°	1044.5
32.5°	680.1
35°	402.6
37.5°	231.2
40°	139.8
42.5°	91.0
45°	59.1
47.5°	36.0
50°	22.0
52.5°	15.0
55°	10.3
57.5°	7.0
60°	4.4
62.5°	2.6
65°	1.1
67.5°	0.4
70°	0.0
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)