

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: P747102

Luminaire Tested: LD4D35BD010-EU4DR5020359035-4LBDP1MW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P747102
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-EU4DR5020359035-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 50° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3186.1 lumens
Efficiency: N/A
Efficacy: 103.4 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

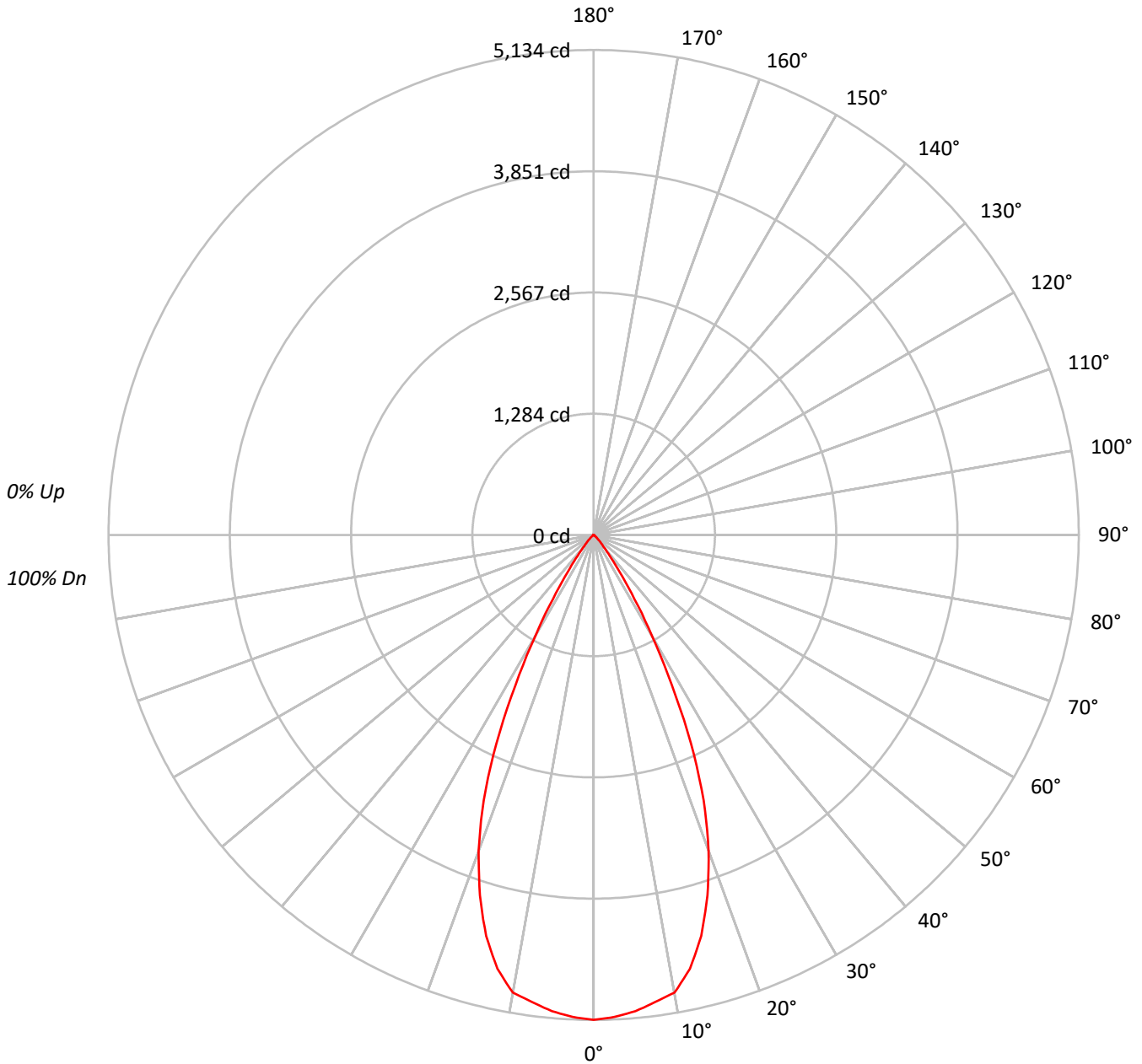
Input Watts (W): 30.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20																		
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	100	100	100	100	100	100	100	100	100																	
	1	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	95	95	95	95	95	95	95	95	95	95	95																	
	2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90	90	90	90	90	90	90	90	90	90	90	90																
	3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85	85	85	85	85	85	85	85	85	85	85	85																
	4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	80	80	80	80	80	80	80	80	80	80	80	80																
	5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	76	76	76	76	76	76	76	76	76	76	76	76																
	6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	74	72	72	72	72	72	72	72	72	72	72	72	72																
	7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	69	69	69	69	69	69	69	69	69	69	69	69																
	8	85	76	71	67	84	76	71	67	75	70	67	74	70	67	73	69	66	65	65	65	65	65	65	65	65	65	65	65	65																
	9	81	73	68	64	80	72	67	64	71	67	64	71	67	64	70	66	63	62	62	62	62	62	62	62	62	62	62	62	62																
	10	78	70	64	61	77	69	64	61	68	64	61	68	64	61	67	63	60	59	59	59	59	59	59	59	59	59	59	59	59																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	560912
5°	555037
10°	545889
15°	497084
20°	413629
25°	293614
30°	155408
35°	63330
40°	23520
45°	10770
50°	4419
55°	2305
60°	1136
65°	336
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 10770 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	478.3	15.0
10°-20°	1208.8	37.9
20°-30°	1085.8	34.1
30°-40°	340.0	10.7
40°-50°	59.5	1.9
50°-60°	11.8	0.4
60°-70°	1.8	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°	2773.0	87.0
0°-40°	3113.0	97.7
0°-60°	3184.4	99.9
0°-90°	3186.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3186.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5134	
5°	5061	478
15°	4394	1209
25°	2436	1086
35°	475	340
45°	70	60
55°	12	12
65°	1	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5133.7
2.5°	5108.2
5°	5060.6
7.5°	4987.9
10°	4920.3
12.5°	4703.9
15°	4394.5
17.5°	4001.5
20°	3557.4
22.5°	3043.6
25°	2435.5
27.5°	1790.6
30°	1231.8
32.5°	802.0
35°	474.8
37.5°	272.7
40°	164.9
42.5°	107.3
45°	69.7
47.5°	42.4
50°	26.0
52.5°	17.7
55°	12.1
57.5°	8.2
60°	5.2
62.5°	3.0
65°	1.3
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)