

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: P739399

Luminaire Tested: LD4D02D010-EU4DR500210IC9030-4LBDP1MW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P739399
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: LD4D02D010-EU4DR500210IC9030-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 50° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 343.9 lumens
Efficiency: N/A
Efficacy: 67.4 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): 5.1
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

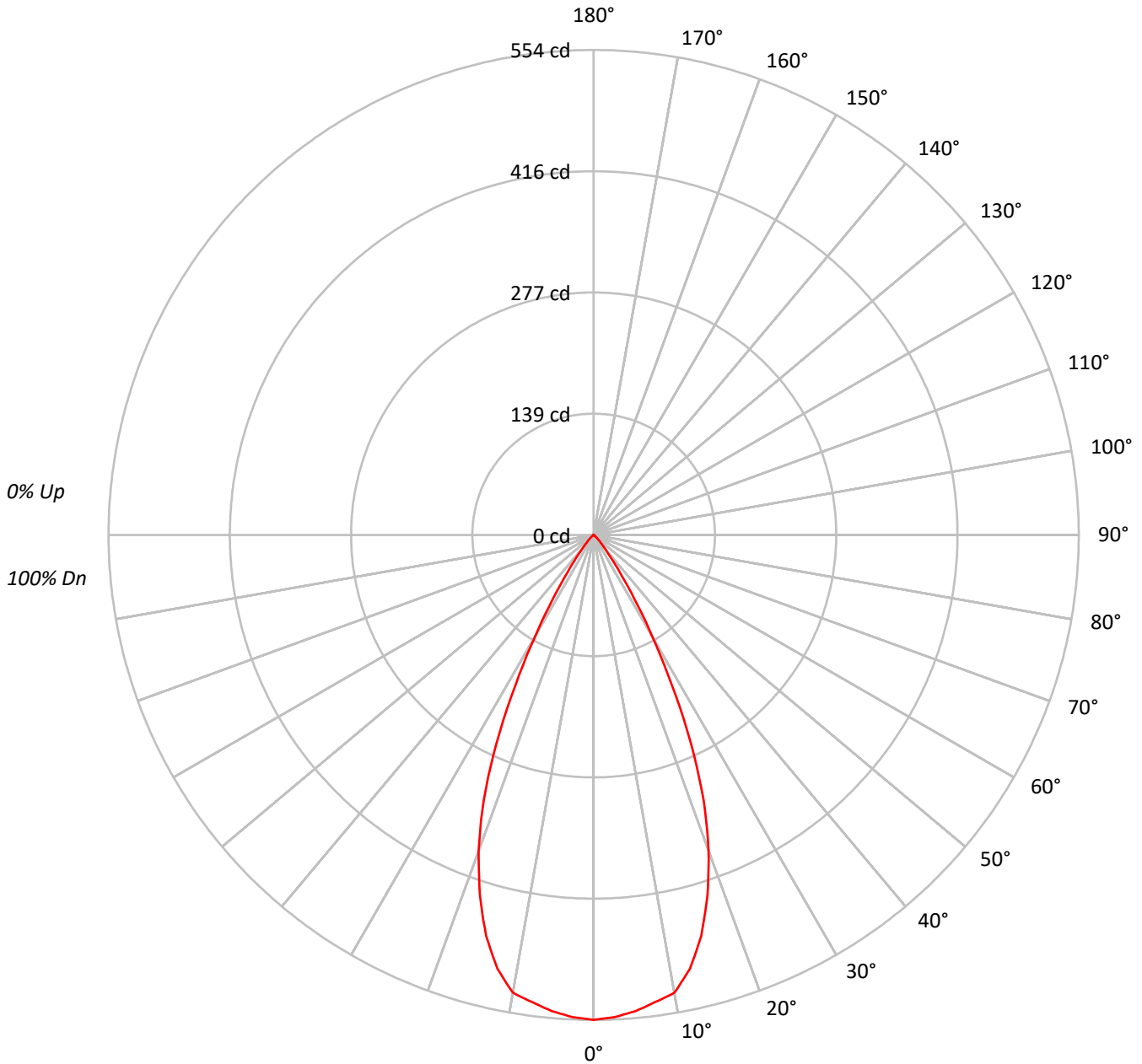


Downlight



TEST NUMBER: P739399
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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	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	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	95	95	93	91	88	86	85	85	80	95																			
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90	90	88	86	85	85	80	90	90																				
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85	85	83	82	81	80	77	76	76	69																			
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	80	80	78	77	76	74	72	72	72	65																			
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	76	76	74	73	70	69	69	69	69	62																			
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	74	72	72	70	69	66	65	65	65	65	62																			
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	69	69	67	66	65	65	65	65	65	62																			
8	85	76	71	67	84	76	71	67	75	70	67	74	70	67	73	69	66	65	65	63	63	62	62	62	62	62	62																			
9	81	73	68	64	80	72	67	64	71	67	64	71	67	64	70	66	63	62	62	61	61	60	60	60	60	60	60																			
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																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	60530
5°	59895
10°	58912
15°	53639
20°	44637
25°	31694
30°	16767
35°	6829
40°	2539
45°	1159
50°	476
55°	248
60°	131
65°	26
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1159 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.6	15.0
10°-20°	130.4	37.9
20°-30°	117.2	34.1
30°-40°	36.7	10.7
40°-50°	6.4	1.9
50°-60°	1.3	0.4
60°-70°	0.2	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°	299.3	87.0
0°-40°	336.0	97.7
0°-60°	343.7	99.9
0°-90°	343.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	343.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	554	
5°	546	52
15°	474	130
25°	263	117
35°	51	37
45°	8	6
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	554.0
2.5°	551.3
5°	546.1
7.5°	538.3
10°	531.0
12.5°	507.6
15°	474.2
17.5°	431.8
20°	383.9
22.5°	328.5
25°	262.9
27.5°	193.3
30°	132.9
32.5°	86.6
35°	51.2
37.5°	29.4
40°	17.8
42.5°	11.6
45°	7.5
47.5°	4.6
50°	2.8
52.5°	1.9
55°	1.3
57.5°	0.9
60°	0.6
62.5°	0.3
65°	0.1
67.5°	0.1
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

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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(END OF REPORT)