

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: P739554

Luminaire Tested: LD4D02D010-EU4DR600210IC9030-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P739554
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: LD4D02D010-EU4DR600210IC9030-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 367.0 lumens
Efficiency: N/A
Efficacy: 72.0 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): 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

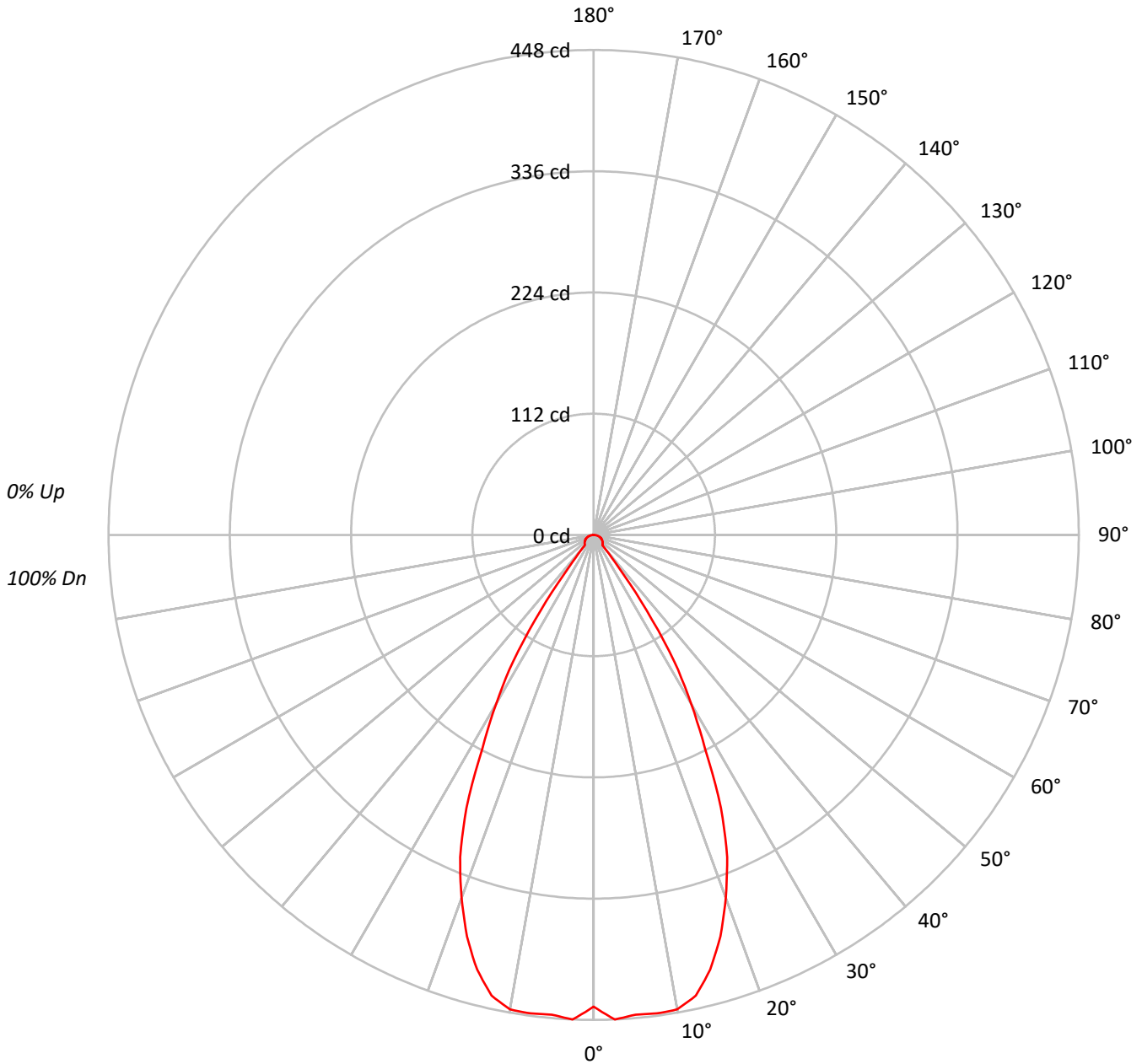


Downlight



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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		
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	93
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86	86
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80	80
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75	75
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70	70
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66	66
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59	59
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55	55
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	47616
5°	48785
10°	49382
15°	47033
20°	41475
25°	33551
30°	22684
35°	11378
40°	1840
45°	1808
50°	1836
55°	1867
60°	1923
65°	1965
70°	2013
75°	2026
80°	1951
85°	1630

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 72.5°
 Luminance: 2035 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.5	11.6
10°-20°	115.0	31.3
20°-30°	123.8	33.7
30°-40°	53.8	14.7
40°-50°	9.0	2.5
50°-60°	8.8	2.4
60°-70°	7.5	2.1
70°-80°	5.0	1.4
80°-90°	1.5	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°	281.3	76.7
0°-40°	335.1	91.3
0°-60°	352.9	96.2
0°-90°	367.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	367.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	436	
5°	445	43
15°	416	115
25°	278	124
35°	85	54
45°	12	9
55°	10	9
65°	8	8
75°	5	5
85°	1	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	435.8
2.5°	448.1
5°	444.8
7.5°	445.9
10°	445.1
12.5°	435.9
15°	415.8
17.5°	389.0
20°	356.7
22.5°	322.2
25°	278.3
27.5°	222.6
30°	179.8
32.5°	138.6
35°	85.3
37.5°	36.5
40°	12.9
42.5°	11.9
45°	11.7
47.5°	11.3
50°	10.8
52.5°	10.3
55°	9.8
57.5°	9.3
60°	8.8
62.5°	8.3
65°	7.6
67.5°	7.0
70°	6.3
72.5°	5.6
75°	4.8
77.5°	4.0
80°	3.1
82.5°	2.2
85°	1.3
87.5°	0.5
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)