

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: P746451

Luminaire Tested: LD4D30D010-EU4DR6020359027-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P746451
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: LD4D30D010-EU4DR6020359027-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2731.1 lumens
Efficiency: N/A
Efficacy: 94.2 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): 29
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

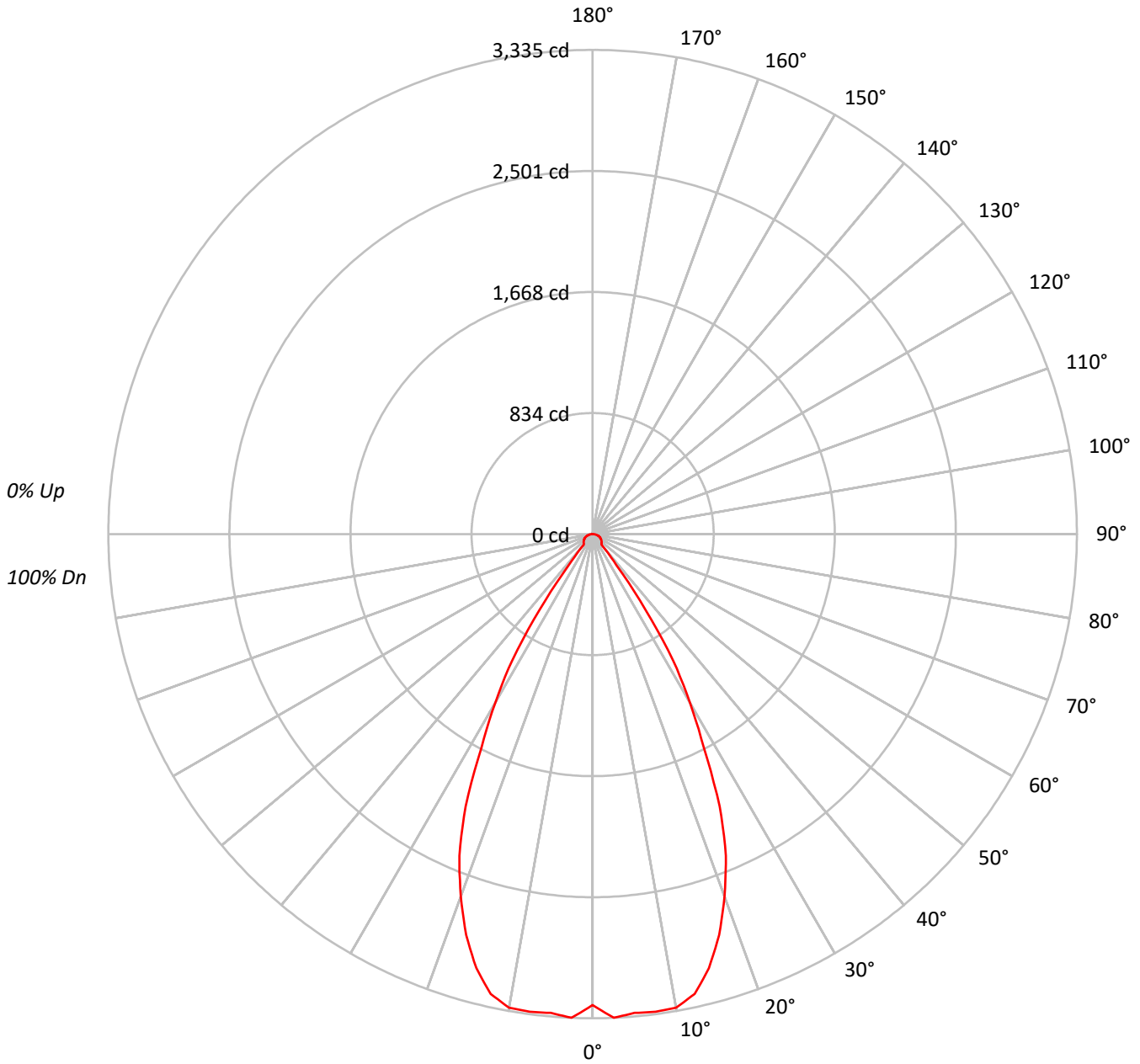


Downlight



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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			
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°	354398
5°	363111
10°	367498
15°	350091
20°	308670
25°	249659
30°	168870
35°	84618
40°	13735
45°	13443
50°	13700
55°	13925
60°	14291
65°	14633
70°	14983
75°	15155
80°	14598
85°	12160

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 15155 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	316.4	11.6
10°-20°	856.1	31.3
20°-30°	921.1	33.7
30°-40°	400.4	14.7
40°-50°	67.2	2.5
50°-60°	65.4	2.4
60°-70°	55.9	2.0
70°-80°	37.5	1.4
80°-90°	11.2	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°	2093.6	76.7
0°-40°	2494.0	91.3
0°-60°	2626.6	96.2
0°-90°	2731.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2731.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3244	
5°	3311	316
15°	3095	856
25°	2071	921
35°	634	400
45°	87	67
55°	73	65
65°	57	56
75°	36	37
85°	10	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3243.6
2.5°	3334.7
5°	3310.7
7.5°	3318.3
10°	3312.4
12.5°	3244.0
15°	3095.0
17.5°	2894.9
20°	2654.7
22.5°	2397.6
25°	2070.9
27.5°	1656.4
30°	1338.5
32.5°	1031.7
35°	634.4
37.5°	271.4
40°	96.3
42.5°	88.6
45°	87.0
47.5°	84.0
50°	80.6
52.5°	76.8
55°	73.1
57.5°	69.2
60°	65.4
62.5°	61.2
65°	56.6
67.5°	51.9
70°	46.9
72.5°	41.4
75°	35.9
77.5°	29.6
80°	23.2
82.5°	16.4
85°	9.7
87.5°	3.4
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)