

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: P743563

Luminaire Tested: LD4D15D010-EU4DR600215IC9024-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P743563
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: LD4D15D010-EU4DR600215IC9024-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1174.9 lumens
Efficiency: N/A
Efficacy: 74.4 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): 15.8
Input Voltage (V): NR
Input Current (Ain): 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

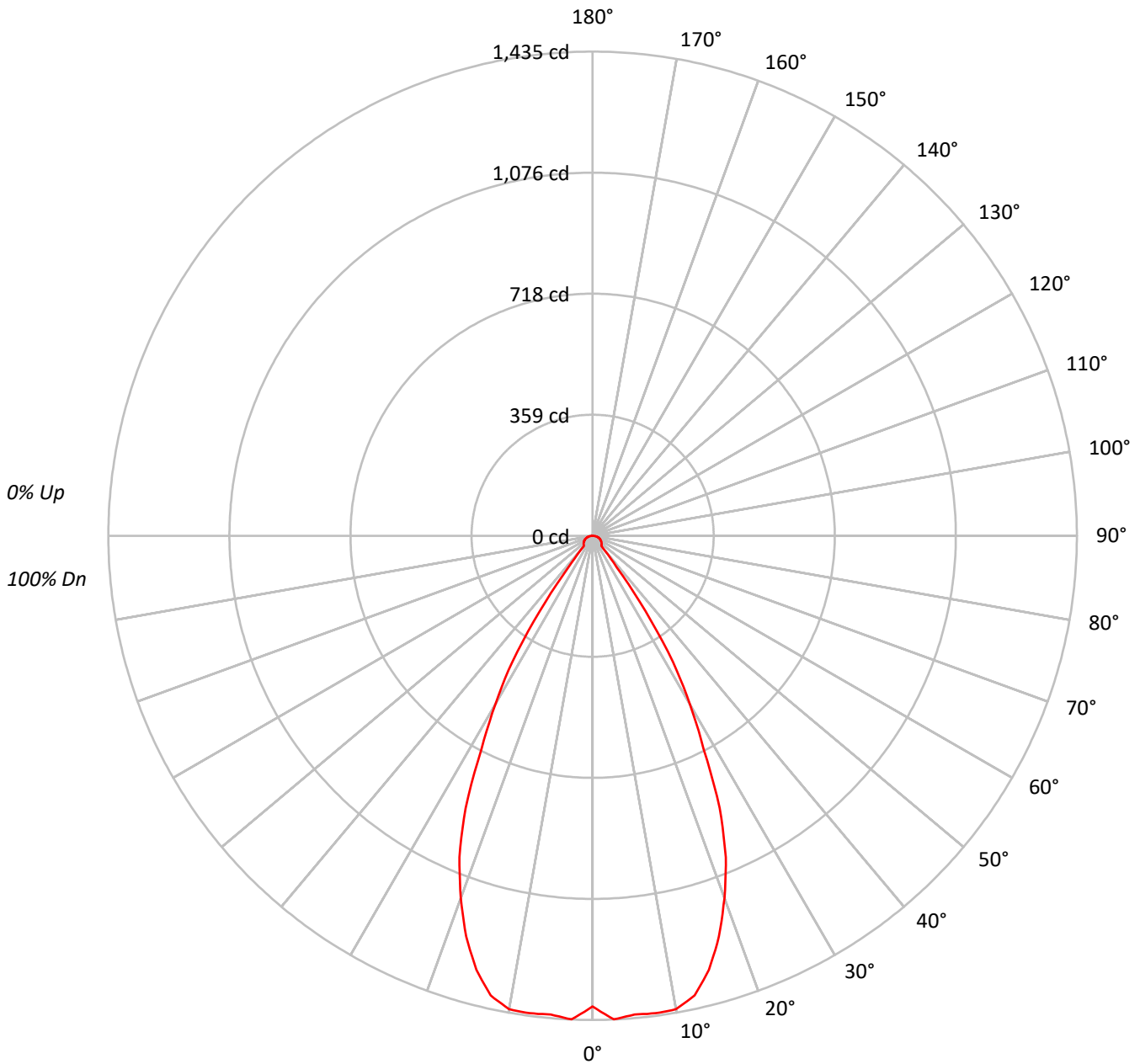


Downlight



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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									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°	152452
5°	156204
10°	158087
15°	150601
20°	132784
25°	107403
30°	72645
35°	36413
40°	5905
45°	5779
50°	5898
55°	5981
60°	6140
65°	6308
70°	6453
75°	6501
80°	6292
85°	5265

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 6501 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.1	11.6
10°-20°	368.3	31.3
20°-30°	396.2	33.7
30°-40°	172.3	14.7
40°-50°	29.0	2.5
50°-60°	28.1	2.4
60°-70°	24.1	2.0
70°-80°	16.1	1.4
80°-90°	4.8	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°	900.6	76.7
0°-40°	1072.9	91.3
0°-60°	1130.0	96.2
0°-90°	1174.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1174.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1395	
5°	1424	136
15°	1331	368
25°	891	396
35°	273	172
45°	37	29
55°	31	28
65°	24	24
75°	15	16
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1395.3
2.5°	1434.6
5°	1424.2
7.5°	1427.4
10°	1424.9
12.5°	1395.5
15°	1331.4
17.5°	1245.3
20°	1142.0
22.5°	1031.4
25°	890.9
27.5°	712.5
30°	575.8
32.5°	443.8
35°	273.0
37.5°	116.8
40°	41.4
42.5°	38.2
45°	37.4
47.5°	36.2
50°	34.7
52.5°	33.1
55°	31.4
57.5°	29.8
60°	28.1
62.5°	26.4
65°	24.4
67.5°	22.3
70°	20.2
72.5°	17.8
75°	15.4
77.5°	12.7
80°	10.0
82.5°	7.1
85°	4.2
87.5°	1.4
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)