

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: P779849

Luminaire Tested: LER4D15D010-EC4DR250215IC9035-4LBS1H

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P779849
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER4D15D010-EC4DR250215IC9035-4LBS1H
Description: 4 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 25° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1333.3 lumens
Efficiency: N/A
Efficacy: 84.4 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.45
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



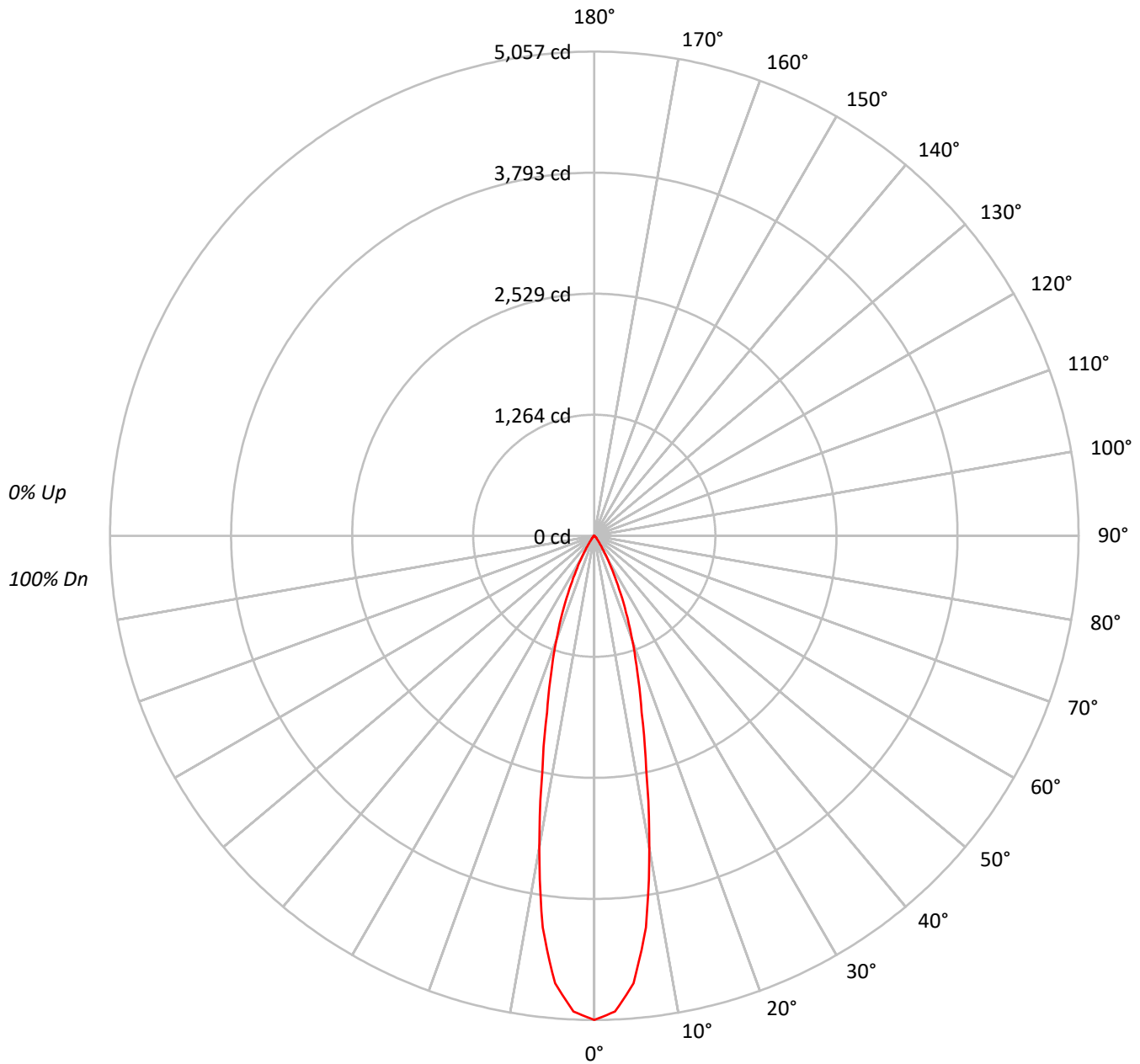
Downlight



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90
4	103	97	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87
5	100	93	89	86	98	93	89	86	91	87	85	89	86	84	88	85	83
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80
7	93	87	82	79	92	86	82	79	85	81	78	84	80	78	83	80	78
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	552532
5°	514621
10°	367088
15°	216208
20°	134528
25°	73828
30°	33761
35°	12791
40°	5791
45°	3477
50°	1445
55°	933
60°	656
65°	440
70°	64
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3477 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	403.2	30.2
10°-20°	546.2	41.0
20°-30°	289.0	21.7
30°-40°	71.4	5.4
40°-50°	17.4	1.3
50°-60°	4.6	0.3
60°-70°	1.5	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°	1238.4	92.9
0°-40°	1309.8	98.2
0°-60°	1331.8	99.9
0°-90°	1333.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1333.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5057	
5°	4692	403
15°	1911	546
25°	612	289
35°	96	71
45°	22	17
55°	5	5
65°	2	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5057.0
2.5°	4973.9
5°	4692.1
7.5°	4125.8
10°	3308.7
12.5°	2501.2
15°	1911.4
17.5°	1489.6
20°	1157.0
22.5°	867.7
25°	612.4
27.5°	410.7
30°	267.6
32.5°	162.8
35°	95.9
37.5°	58.7
40°	40.6
42.5°	31.1
45°	22.5
47.5°	13.6
50°	8.5
52.5°	6.2
55°	4.9
57.5°	3.8
60°	3.0
62.5°	2.3
65°	1.7
67.5°	0.6
70°	0.2
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



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report







(END OF REPORT)