

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: P743760

Luminaire Tested: LD4D15D010-EU4DR700215IC9040-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P743760
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D15D010-EU4DR700215IC9040-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1544.1 lumens
Efficiency: N/A
Efficacy: 97.7 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 15.8
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



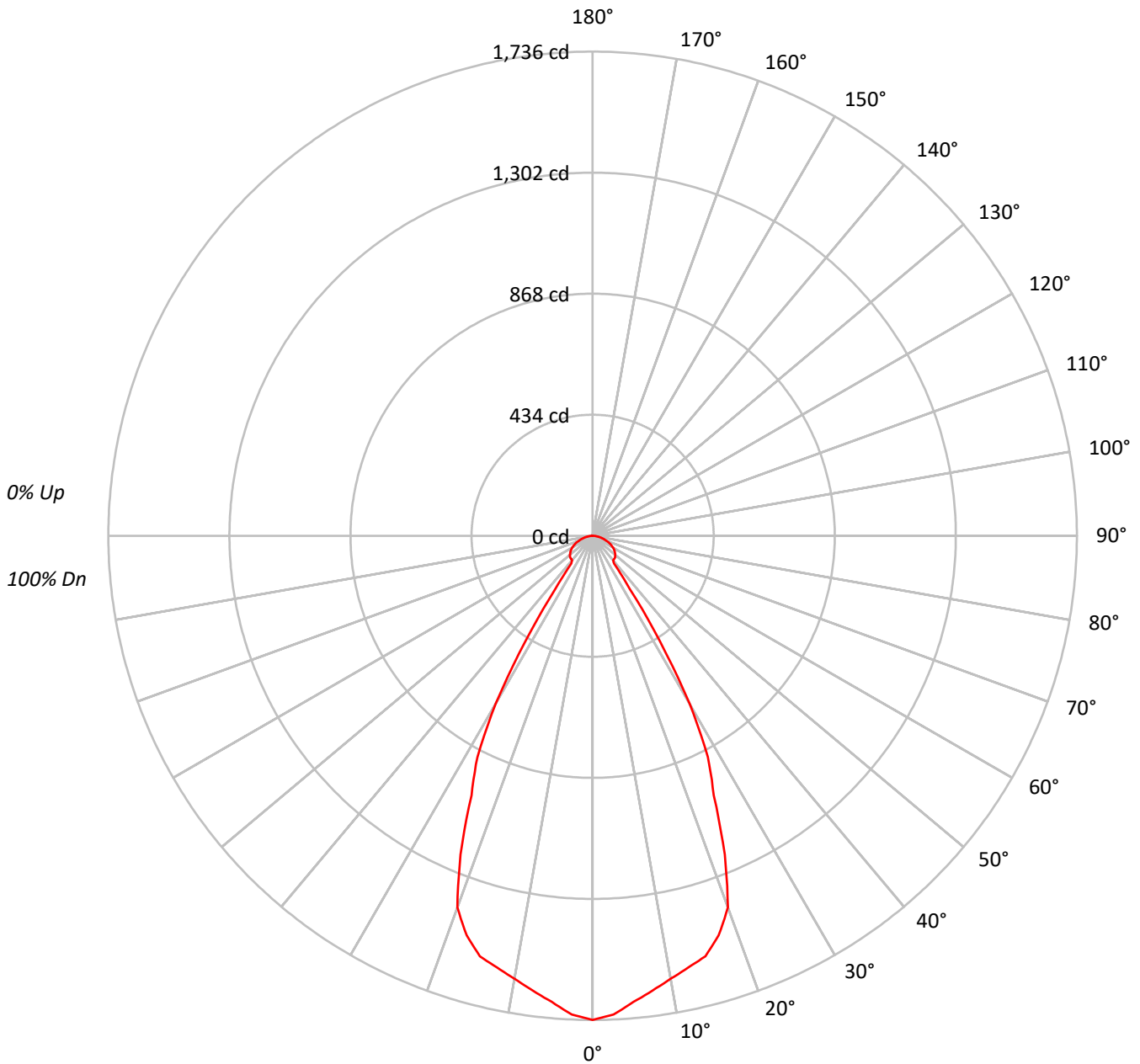
Downlight



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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			100
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91			91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83			83
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76			76
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70			70
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65			65
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61			61
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57			57
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53			53
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50			50
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48			48

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	189677
5°	184040
10°	178912
15°	176561
20°	164863
25°	123859
30°	87557
35°	31011
40°	16317
45°	17368
50°	17984
55°	18325
60°	18443
65°	18046
70°	17027
75°	15788
80°	14031
85°	11408

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 18444 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.3	10.3
10°-20°	434.1	28.1
20°-30°	478.1	31.0
30°-40°	182.7	11.8
40°-50°	86.2	5.6
50°-60°	85.7	5.6
60°-70°	68.7	4.4
70°-80°	39.5	2.6
80°-90°	10.7	0.7
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°	1070.5	69.3
0°-40°	1253.2	81.2
0°-60°	1425.2	92.3
0°-90°	1544.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1544.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1736	
5°	1678	158
15°	1561	434
25°	1027	478
35°	232	183
45°	112	86
55°	96	86
65°	70	69
75°	37	39
85°	9	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1736.0
2.5°	1717.8
5°	1678.0
7.5°	1644.7
10°	1612.6
12.5°	1585.4
15°	1560.9
17.5°	1501.8
20°	1417.9
22.5°	1237.1
25°	1027.4
27.5°	894.4
30°	694.0
32.5°	448.3
35°	232.5
37.5°	125.6
40°	114.4
42.5°	113.5
45°	112.4
47.5°	109.9
50°	105.8
52.5°	101.1
55°	96.2
57.5°	90.7
60°	84.4
62.5°	77.2
65°	69.8
67.5°	61.6
70°	53.3
72.5°	45.1
75°	37.4
77.5°	29.4
80°	22.3
82.5°	15.6
85°	9.1
87.5°	3.6
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)