

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: P743601

Luminaire Tested: LD4D15D010-EU4DR600215IC9035-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P743601
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-EU4DR600215IC9035-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1421.6 lumens
Efficiency: N/A
Efficacy: 90.0 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): 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



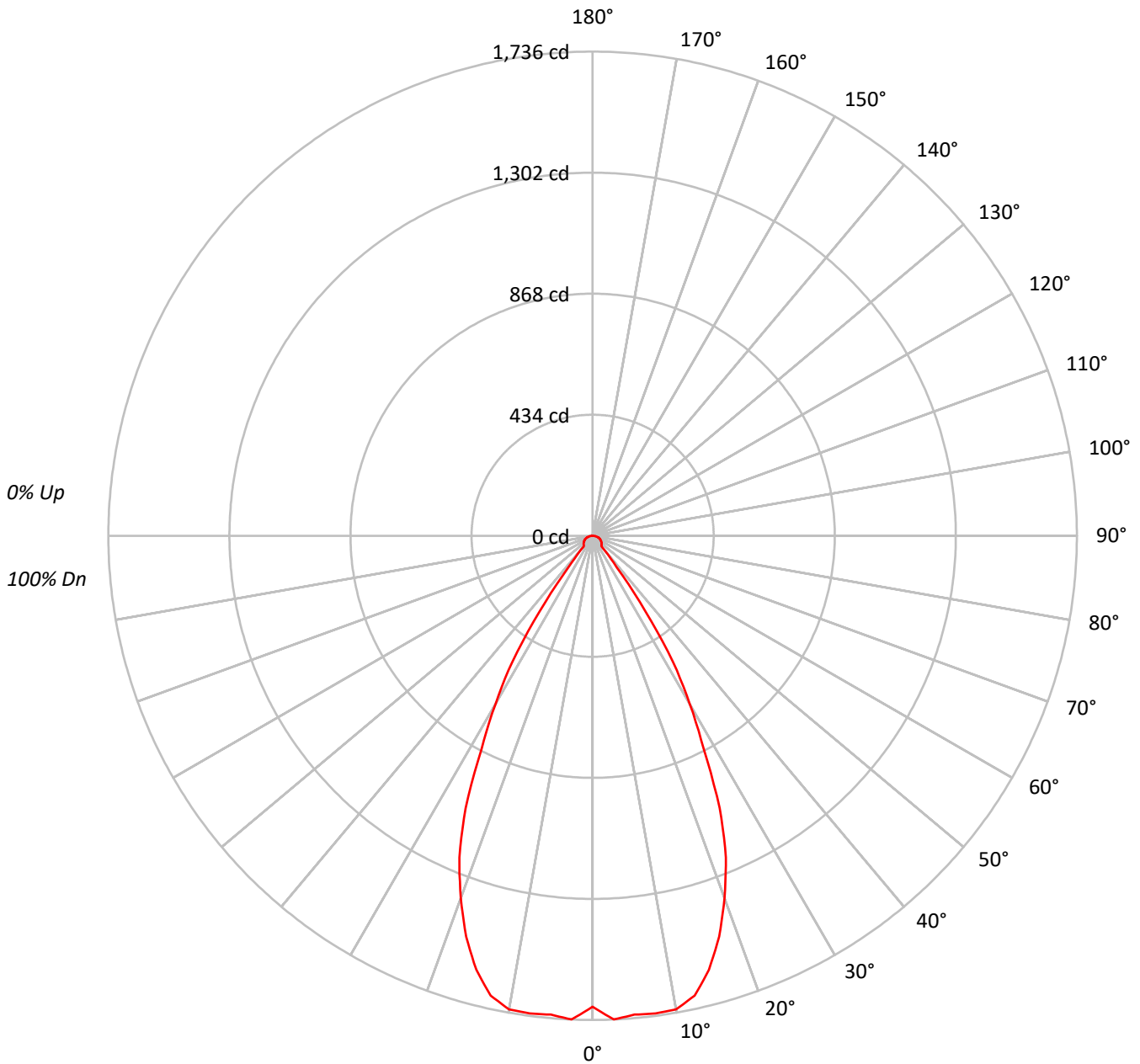
Downlight



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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			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°	184476
5°	189008
10°	191294
15°	182228
20°	160666
25°	129959
30°	87911
35°	44043
40°	7146
45°	7000
50°	7122
55°	7239
60°	7430
65°	7601
70°	7795
75°	7894
80°	7613
85°	6268

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 7894 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.7	11.6
10°-20°	445.6	31.3
20°-30°	479.5	33.7
30°-40°	208.4	14.7
40°-50°	35.0	2.5
50°-60°	34.0	2.4
60°-70°	29.1	2.0
70°-80°	19.5	1.4
80°-90°	5.8	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°	1089.8	76.7
0°-40°	1298.2	91.3
0°-60°	1367.2	96.2
0°-90°	1421.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1421.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1688	
5°	1723	165
15°	1611	446
25°	1078	479
35°	330	208
45°	45	35
55°	38	34
65°	29	29
75°	19	19
85°	5	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1688.4
2.5°	1735.9
5°	1723.3
7.5°	1727.3
10°	1724.2
12.5°	1688.6
15°	1611.0
17.5°	1506.9
20°	1381.8
22.5°	1248.1
25°	1078.0
27.5°	862.2
30°	696.8
32.5°	537.0
35°	330.2
37.5°	141.3
40°	50.1
42.5°	46.1
45°	45.3
47.5°	43.7
50°	41.9
52.5°	40.0
55°	38.0
57.5°	36.0
60°	34.0
62.5°	31.9
65°	29.4
67.5°	27.0
70°	24.4
72.5°	21.5
75°	18.7
77.5°	15.4
80°	12.1
82.5°	8.6
85°	5.0
87.5°	1.8
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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