

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: P740894

Luminaire Tested: LD4D08D010-EU4DR150210IC9035-4LBDP1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P740894  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D08D010-EU4DR150210IC9035-4LBDP1MW  
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 772.0 lumens  
Efficiency: N/A  
Efficacy: 86.7 lumens/watt  
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23  
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')  
CIE Type: Direct

Input Watts (W): 8.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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



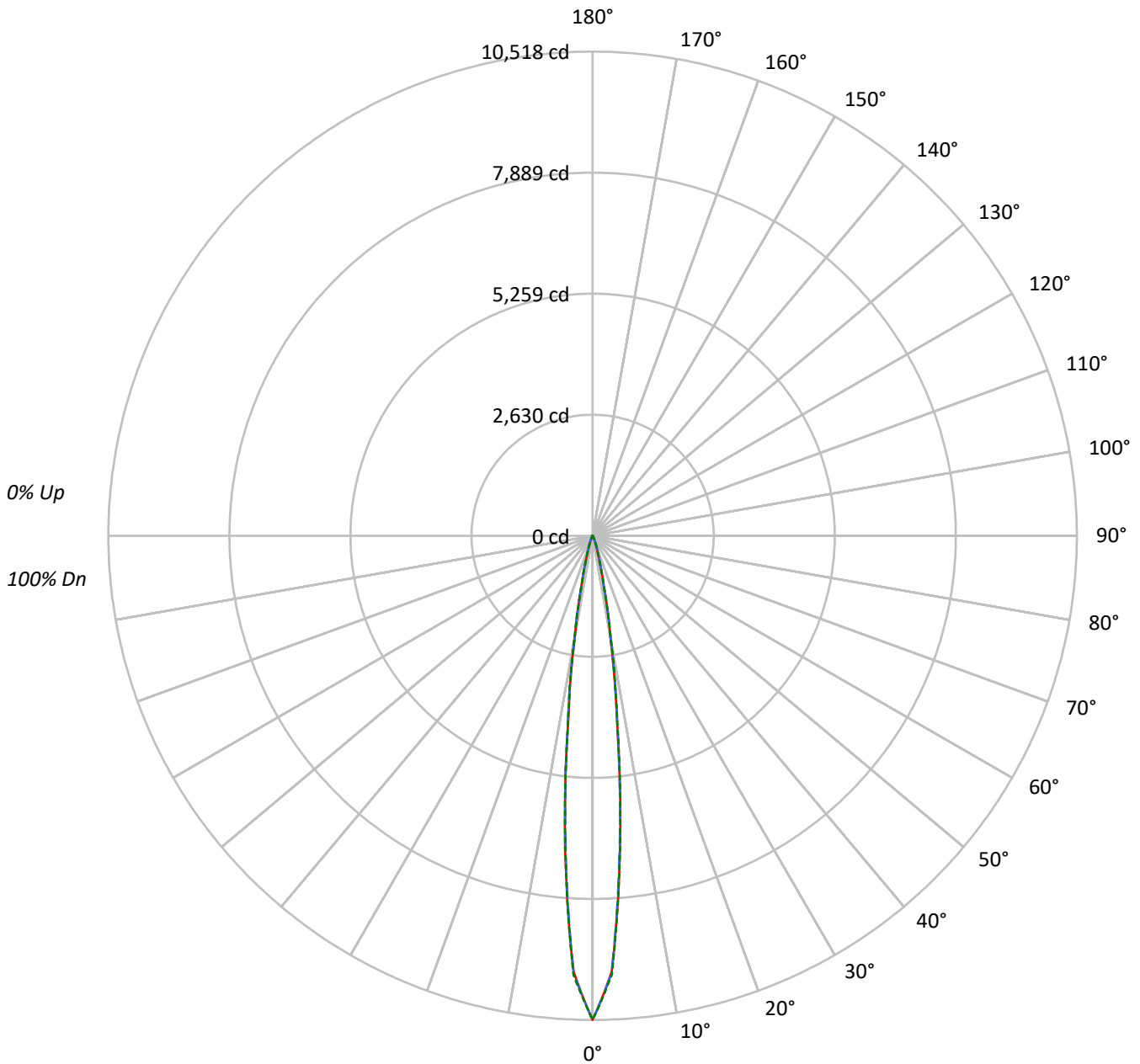
Downlight



TEST NUMBER: P740894

CATALOG NUMBER: LD4D08D010-EU4DR150210IC9035-4LBDP1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P740894

CATALOG NUMBER: LD4D08D010-EU4DR150210IC9035-4LBDP1MW

**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	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	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98						98													
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96						96													
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94						94													
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93						93													
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92						92													
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90						90													
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89						89													
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88						88													
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87						87													
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86						86													

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1183451	1183451	1183451
5°	695447	686442	691879
10°	207563	209009	212209
15°	51628	52635	51011
20°	15448	17886	15775
25°	5445	6933	5515
30°	1999	2636	2037
35°	1002	1133	973
40°	632	696	632
45°	469	497	469
50°	369	369	369
55°	313	313	313
60°	253	253	253
65°	193	193	193
70°	161	161	161
75°	98	98	136
80°	71	71	71
85°	33	33	33

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 497 cd/sqm



TEST NUMBER: P740894

CATALOG NUMBER: LD4D08D010-EU4DR150210IC9035-4LBDP1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	500.7	64.9
10°-20°	205.9	26.7
20°-30°	40.9	5.3
30°-40°	10.2	1.3
40°-50°	5.4	0.7
50°-60°	4.0	0.5
60°-70°	2.8	0.4
70°-80°	1.6	0.2
80°-90°	0.5	0.1
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°	747.5	96.8
0°-40°	757.7	98.2
0°-60°	767.1	99.4
0°-90°	772.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	772.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	10518	10518	10518	10518	10518	
5°	6843	6773	6754	6801	6808	500
15°	594	606	606	595	587	204
25°	70	79	89	79	71	37
35°	14	15	16	15	13	9
45°	7	7	7	7	7	5
55°	4	4	4	4	4	4
65°	3	3	3	3	3	3
75°	1	1	1	1	2	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P740894

CATALOG NUMBER: LD4D08D010-EU4DR150210IC9035-4LBDP1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	10517.7	10517.7	10517.7	10517.7	10517.7
2.5°	9487.4	9495.4	9498.5	9507.8	9542.6
5°	6843.0	6772.7	6754.4	6801.2	6807.9
7.5°	4053.5	4067.8	4119.9	4131.5	4089.6
10°	2224.5	2242.7	2240.0	2256.1	2274.3
12.5°	1137.6	1123.4	1118.9	1137.2	1111.8
15°	594.4	605.5	606.0	595.3	587.3
17.5°	319.7	332.6	354.0	336.6	309.9
20°	188.8	200.4	218.6	204.4	192.8
22.5°	116.7	126.0	138.9	127.8	118.4
25°	69.9	79.3	89.0	78.8	70.8
27.5°	41.4	49.4	55.7	49.0	41.0
30°	26.7	31.2	35.2	30.7	27.2
32.5°	18.7	20.5	22.3	20.5	18.7
35°	13.8	14.7	15.6	14.7	13.4
37.5°	10.7	11.6	12.0	11.1	10.2
40°	8.9	9.4	9.8	9.4	8.9
42.5°	7.6	8.0	8.0	8.0	7.6
45°	6.7	6.7	7.1	6.7	6.7
47.5°	5.8	5.8	6.2	5.8	5.8
50°	5.3	5.3	5.3	5.3	5.3
52.5°	4.9	4.9	4.9	4.9	4.9
55°	4.5	4.5	4.5	4.5	4.5
57.5°	4.0	4.0	4.0	4.0	4.0
60°	3.6	3.6	3.6	3.6	3.6
62.5°	3.1	3.1	3.1	3.1	3.1
65°	2.7	2.7	2.7	2.7	2.7
67.5°	2.7	2.7	2.7	2.7	2.7
70°	2.2	2.2	2.2	2.2	2.2
72.5°	1.8	1.8	1.8	1.8	1.8
75°	1.3	1.3	1.3	1.3	1.8
77.5°	1.3	1.3	1.3	1.3	1.3
80°	0.9	0.9	0.9	0.9	0.9
82.5°	0.9	0.9	0.9	0.9	0.9
85°	0.4	0.4	0.4	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	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

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

Scaled Data Report







— 0°-180°    - - 45°-225°    - - - - 90°-270°

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

Scaled Data Report



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

Scaled Data Report



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

Scaled Data Report



(END OF REPORT)