

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: P741990

Luminaire Tested: LD4D10D010-EU4DR200210IC9035-4LBS1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P741990  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-36)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D10D010-EU4DR200210IC9035-4LBS1MW  
Description: 4 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 20° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1118.0 lumens  
Efficiency: N/A  
Efficacy: 95.6 lumens/watt  
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.36  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.7  
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

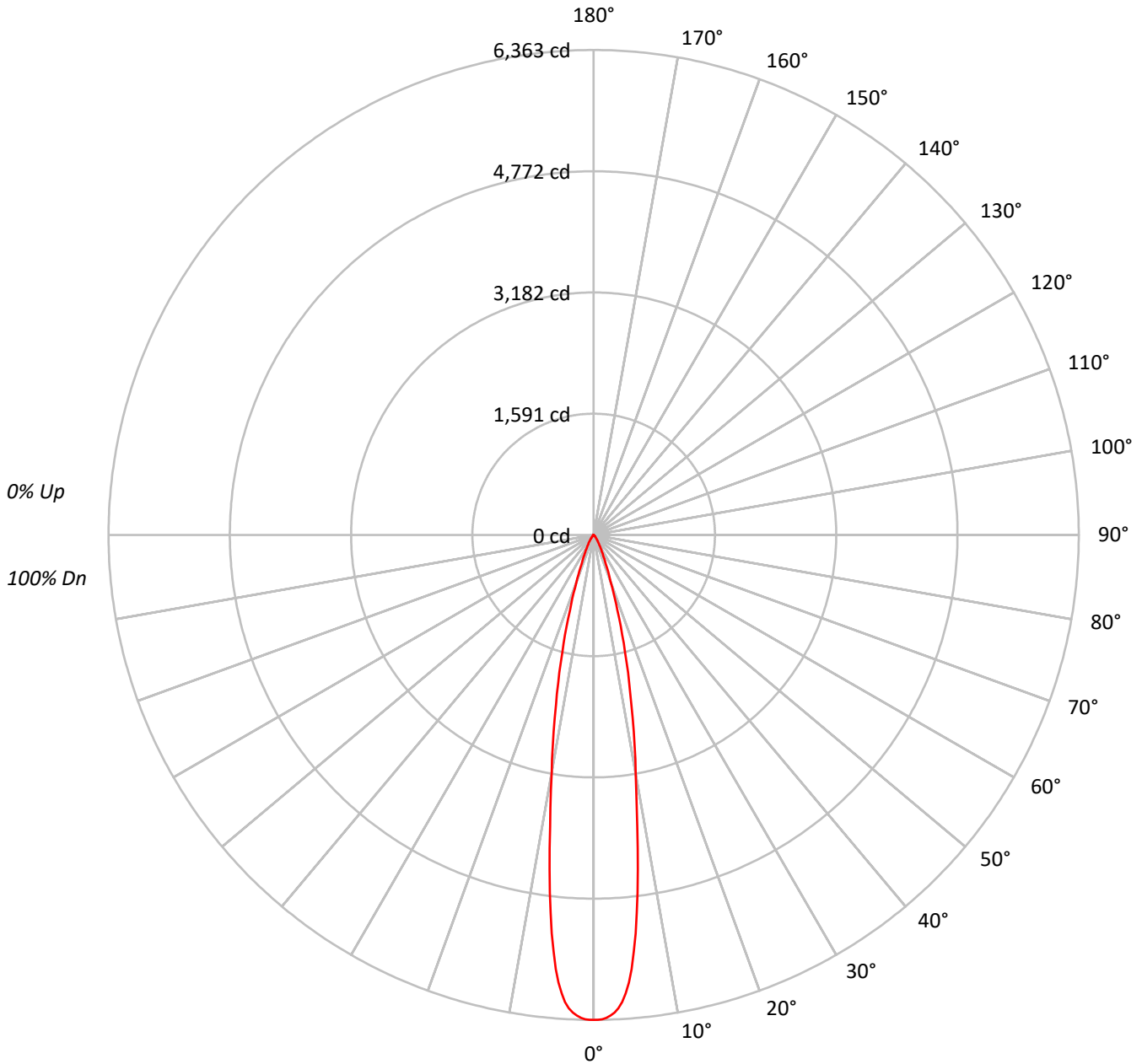


Downlight



TEST NUMBER: P741990  
CATALOG NUMBER: LD4D10D010-EU4DR200210IC9035-4LBS1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P741990

CATALOG NUMBER: LD4D10D010-EU4DR200210IC9035-4LBS1MW

**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	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	97	98	97	94															
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	98	96	95	91															
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	95	93	92	88															
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	93	91	89	85															
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	91	88	86	83															
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83	88	86	84	81															
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	86	84	82	79															
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	84	82	80	77															
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	82	80	78	74															
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75	81	78	76	72															

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

	0°
0°	695248
5°	627238
10°	352044
15°	178948
20°	75763
25°	34973
30°	18521
35°	9977
40°	5334
45°	3152
50°	1836
55°	972
60°	612
65°	440
70°	192
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 3152 cd/sqm



TEST NUMBER: P741990

CATALOG NUMBER: LD4D10D010-EU4DR200210IC9035-4LBS1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	453.0	40.5
10°-20°	446.1	39.9
20°-30°	145.7	13.0
30°-40°	49.6	4.4
40°-50°	16.7	1.5
50°-60°	5.0	0.4
60°-70°	1.7	0.1
70°-80°	0.1	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°	1044.9	93.5
0°-40°	1094.5	97.9
0°-60°	1116.2	99.8
0°-90°	1118.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1118.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6363	
5°	5719	453
15°	1582	446
25°	290	146
35°	75	50
45°	20	17
55°	5	5
65°	2	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P741990

CATALOG NUMBER: LD4D10D010-EU4DR200210IC9035-4LBS1MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6363.2
0.5°	6363.2
1°	6355.2
1.5°	6339.4
2°	6310.5
2.5°	6271.9
3°	6217.5
3.5°	6141.6
4°	6028.8
4.5°	5891.7
5°	5718.9
5.5°	5491.7
6°	5258.8
6.5°	4991.9
7°	4730.7
7.5°	4424.7
8°	4151.6
8.5°	3876.8
9°	3623.0
9.5°	3390.1
10°	3173.1
12.5°	2278.4
15°	1582.0
17.5°	1033.5
20°	651.6
22.5°	422.1
25°	290.1
27.5°	204.0
30°	146.8
32.5°	105.4
35°	74.8
37.5°	52.1
40°	37.4
42.5°	27.2
45°	20.4
47.5°	15.9
50°	10.8
52.5°	6.8
55°	5.1
57.5°	4.0
60°	2.8
62.5°	2.3
65°	1.7



TEST NUMBER: P741990  
CATALOG NUMBER: LD4D10D010-EU4DR200210IC9035-4LBS1MW

**CANDELA DISTRIBUTION (continued):**

	0°
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

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



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

Scaled Data Report



— 0°-180°

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





67.5°		1.1
70°		0.6

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

Scaled Data Report



(END OF REPORT)