

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: P739947

Luminaire Tested: LD4D05D010-EU4DR200210IC9030-4LBS1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P739947  
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: LD4D05D010-EU4DR200210IC9030-4LBS1H  
Description: 4 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 20° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 708.7 lumens  
Efficiency: N/A  
Efficacy: 94.5 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): 7.5  
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

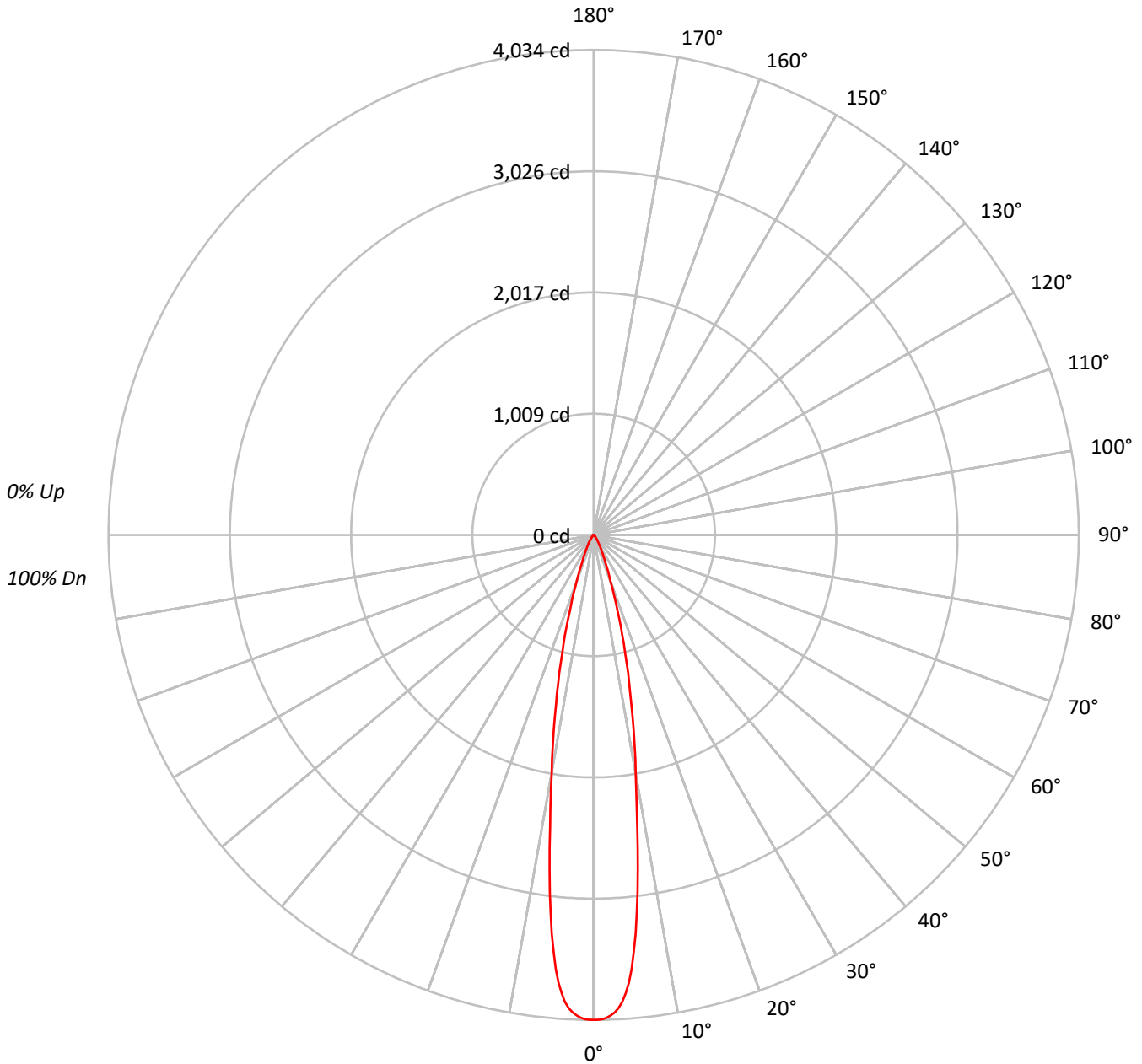


Downlight



TEST NUMBER: P739947  
CATALOG NUMBER: LD4D05D010-EU4DR200210IC9030-4LBS1H

### Luminous Intensity Polar Plot





TEST NUMBER: P739947

CATALOG NUMBER: LD4D05D010-EU4DR200210IC9030-4LBS1H

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

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

	0°
0°	440769
5°	397649
10°	223191
15°	113454
20°	48032
25°	22170
30°	11733
35°	6322
40°	3380
45°	1993
50°	1156
55°	610
60°	393
65°	284
70°	128
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1993 cd/sqm



TEST NUMBER: P739947

CATALOG NUMBER: LD4D05D010-EU4DR200210IC9030-4LBS1H

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	287.2	40.5
10°-20°	282.8	39.9
20°-30°	92.4	13.0
30°-40°	31.4	4.4
40°-50°	10.6	1.5
50°-60°	3.2	0.4
60°-70°	1.1	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°	662.4	93.5
0°-40°	693.9	97.9
0°-60°	707.6	99.8
0°-90°	708.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	708.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4034	
5°	3626	287
15°	1003	283
25°	184	92
35°	47	31
45°	13	11
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P739947

CATALOG NUMBER: LD4D05D010-EU4DR200210IC9030-4LBS1H

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4034.1
0.5°	4034.1
1°	4029.1
1.5°	4019.0
2°	4000.7
2.5°	3976.2
3°	3941.8
3.5°	3893.6
4°	3822.1
4.5°	3735.2
5°	3625.6
5.5°	3481.6
6°	3334.0
6.5°	3164.8
7°	2999.2
7.5°	2805.2
8°	2632.0
8.5°	2457.8
9°	2296.9
9.5°	2149.2
10°	2011.7
12.5°	1444.4
15°	1003.0
17.5°	655.2
20°	413.1
22.5°	267.6
25°	183.9
27.5°	129.3
30°	93.0
32.5°	66.8
35°	47.4
37.5°	33.0
40°	23.7
42.5°	17.2
45°	12.9
47.5°	10.1
50°	6.8
52.5°	4.3
55°	3.2
57.5°	2.5
60°	1.8
62.5°	1.4
65°	1.1



TEST NUMBER: P739947

CATALOG NUMBER: LD4D05D010-EU4DR200210IC9030-4LBS1H

**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





— 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



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

Scaled Data Report



67.5°		0.7
70°		0.4

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

Scaled Data Report



(END OF REPORT)