

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: P740067

Luminaire Tested: LD4D05D010-EU4DR250210IC9050-4LBSQW1B

Issue Date: 1/30/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P740067  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-4)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/30/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D05D010-EU4DR250210IC9050-4LBSQW1B  
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 25° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 460.0 lumens  
Efficiency: N/A  
Efficacy: 61.3 lumens/watt  
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.45  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.5  
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

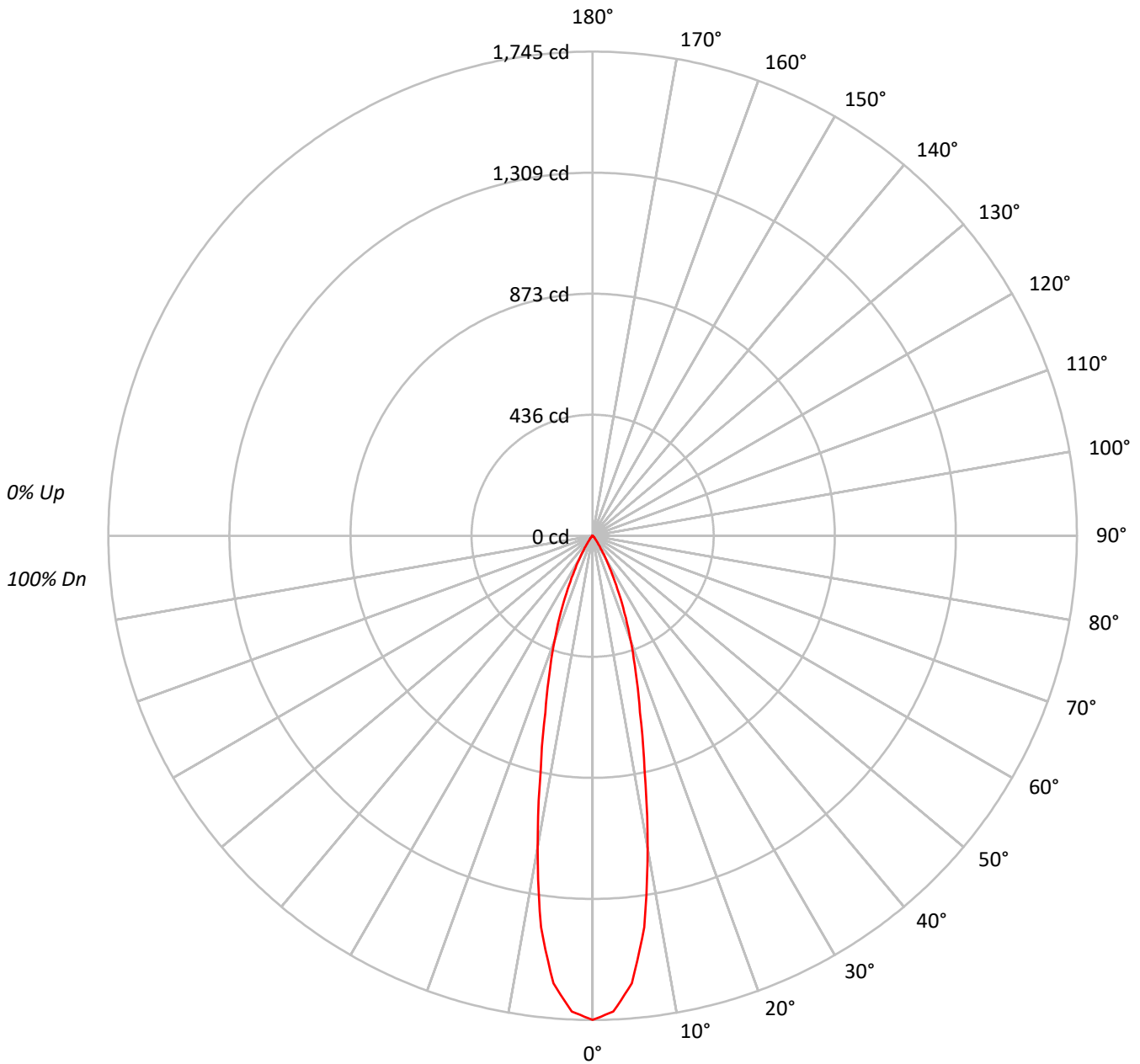


Downlight



TEST NUMBER: P740067  
CATALOG NUMBER: LD4D05D010-EU4DR250210IC9050-4LBSQW1B

### Luminous Intensity Polar Plot





TEST NUMBER: P740067

CATALOG NUMBER: LD4D05D010-EU4DR250210IC9050-4LBSQW1B

**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	100	100
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96	96	96	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92	92	92	92
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89	89	89	89
4	103	97	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85	85	85	85
5	100	94	89	86	98	93	89	86	91	87	85	89	86	84	88	85	83	82	82	82	82
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79	79	79	79
7	93	87	82	79	92	86	82	79	85	81	78	84	80	78	83	80	78	77	77	77	77
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74	74	74	74
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72	72	72	72
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69	69	69	69

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

	0°
0°	190627
5°	177547
10°	126645
15°	74599
20°	46416
25°	25473
30°	11645
35°	4415
40°	1997
45°	1205
50°	493
55°	324
60°	219
65°	155
70°	32
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1205 cd/sqm



TEST NUMBER: P740067

CATALOG NUMBER: LD4D05D010-EU4DR250210IC9050-4LBSQW1B

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	139.1	30.2
10°-20°	188.4	41.0
20°-30°	99.7	21.7
30°-40°	24.6	5.3
40°-50°	6.0	1.3
50°-60°	1.6	0.3
60°-70°	0.5	0.1
70°-80°	0.0	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°	427.3	92.9
0°-40°	451.9	98.2
0°-60°	459.4	99.9
0°-90°	460.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	460.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1745	
5°	1619	139
15°	660	188
25°	211	100
35°	33	25
45°	8	6
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P740067  
CATALOG NUMBER: LD4D05D010-EU4DR250210IC9050-4LBSQW1B

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1744.7
2.5°	1716.0
5°	1618.8
7.5°	1423.4
10°	1141.5
12.5°	862.9
15°	659.5
17.5°	513.9
20°	399.2
22.5°	299.4
25°	211.3
27.5°	141.7
30°	92.3
32.5°	56.1
35°	33.1
37.5°	20.2
40°	14.0
42.5°	10.7
45°	7.8
47.5°	4.7
50°	2.9
52.5°	2.1
55°	1.7
57.5°	1.3
60°	1.0
62.5°	0.8
65°	0.6
67.5°	0.2
70°	0.1
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



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

Scaled Data Report



(END OF REPORT)