

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: P742680

Luminaire Tested: LD4D10D010-EU4DR650210IC9030-4LBSQW1B

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P742680  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D10D010-EU4DR650210IC9030-4LBSQW1B  
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 670.1 lumens  
Efficiency: N/A  
Efficacy: 57.3 lumens/watt  
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.7  
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

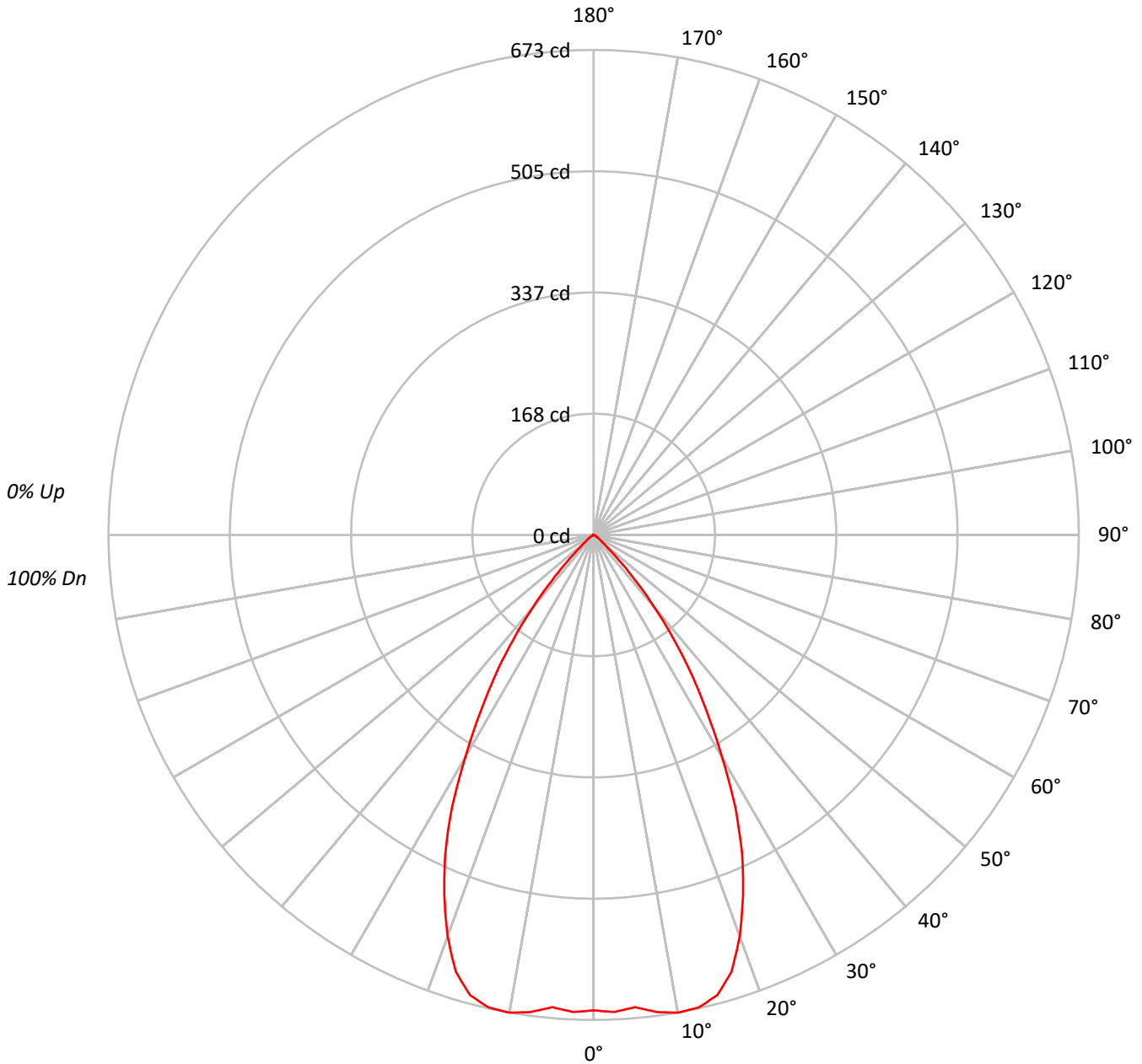


Downlight



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20					20					20					20					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				
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93				
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87				
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80				
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75				
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69				
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65				
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60				
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57				
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53				
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50				

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

	0°
0°	72090
5°	72146
10°	74689
15°	74814
20°	68880
25°	58687
30°	44927
35°	31732
40°	18742
45°	7602
50°	2754
55°	1543
60°	874
65°	491
70°	511
75°	380
80°	378
85°	376

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 7602 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	63.5	9.5
10°-20°	183.3	27.3
20°-30°	219.9	32.8
30°-40°	147.8	22.0
40°-50°	44.2	6.6
50°-60°	7.8	1.2
60°-70°	2.2	0.3
70°-80°	1.1	0.2
80°-90°	0.4	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°	466.7	69.6
0°-40°	614.4	91.7
0°-60°	666.5	99.5
0°-90°	670.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	670.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	660	
5°	658	64
15°	661	183
25°	487	220
35°	238	148
45°	49	44
55°	8	8
65°	2	2
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	659.8
2.5°	662.6
5°	657.8
7.5°	667.7
10°	673.2
12.5°	671.8
15°	661.4
17.5°	635.7
20°	592.4
22.5°	541.4
25°	486.8
27.5°	425.2
30°	356.1
32.5°	293.5
35°	237.9
37.5°	183.1
40°	131.4
42.5°	85.8
45°	49.2
47.5°	26.1
50°	16.2
52.5°	11.2
55°	8.1
57.5°	5.8
60°	4.0
62.5°	2.6
65°	1.9
67.5°	1.7
70°	1.6
72.5°	1.2
75°	0.9
77.5°	0.9
80°	0.6
82.5°	0.5
85°	0.3
87.5°	0.2
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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(END OF REPORT)