

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: P742736

Luminaire Tested: LD4D10D010-EU4DR700210IC9027-4LBCSSQMW

Issue Date: 1/30/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P742736  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-76)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/30/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D10D010-EU4DR700210IC9027-4LBCSSQMW  
Description: 4 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 970.4 lumens  
Efficiency: N/A  
Efficacy: 82.9 lumens/watt  
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.04  
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

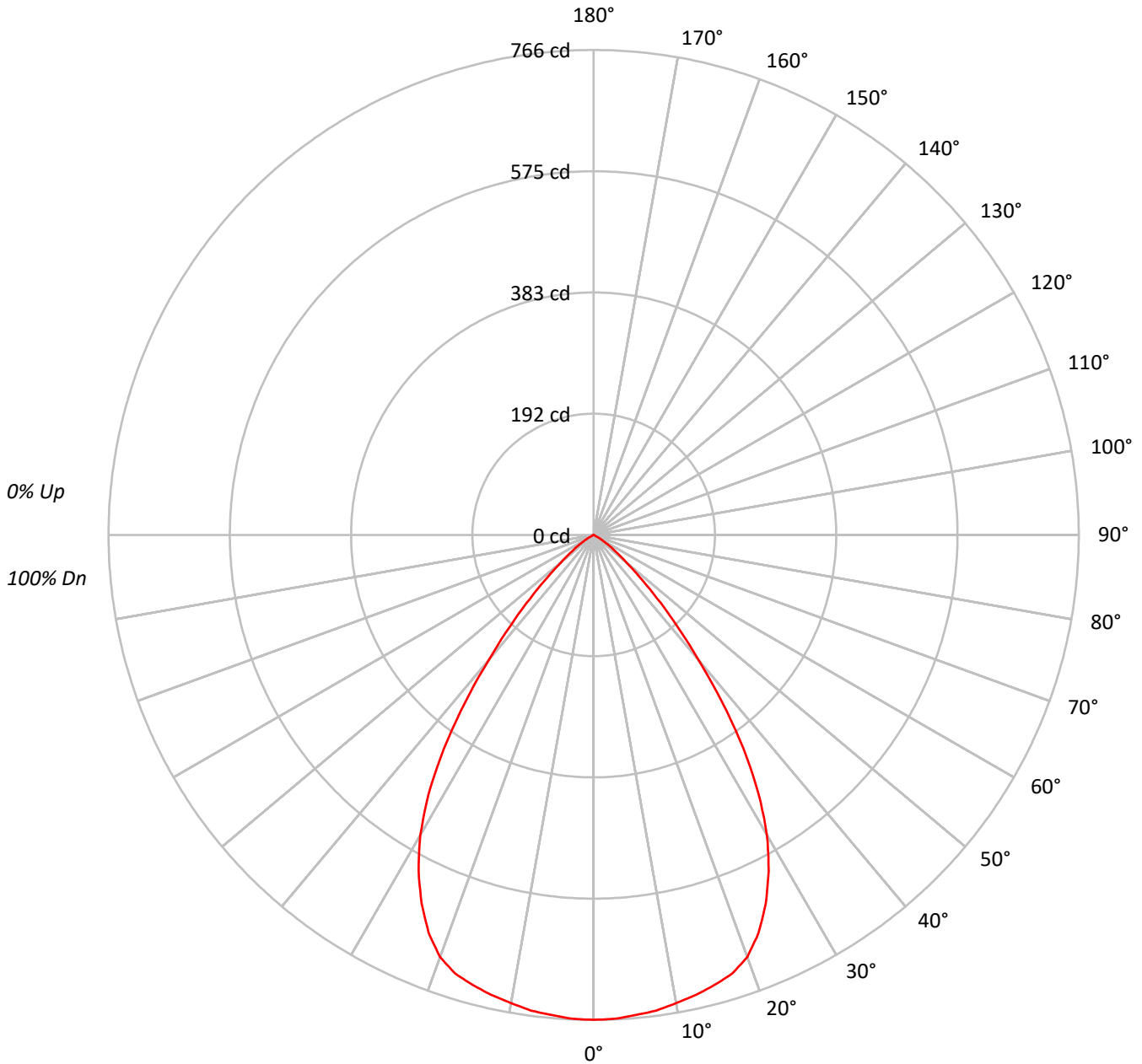


Downlight



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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		
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100
1	113	110	107	105	111	108	106	103	104	102	100	100	99	97	97	95	94	93	93
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85	85
3	101	94	88	84	99	92	87	83	90	85	82	87	84	81	85	82	79	78	78
4	95	87	81	76	93	86	80	76	83	78	75	81	77	74	79	76	73	71	71
5	89	80	74	69	88	79	73	69	78	72	68	76	71	68	74	70	67	65	65
6	84	75	68	63	83	74	68	63	72	67	63	71	66	62	69	65	62	60	60
7	80	69	63	58	78	69	63	58	67	62	58	66	61	57	65	61	57	56	56
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51	51
9	71	61	54	50	70	60	54	50	59	53	50	58	53	49	57	53	49	48	48
10	67	57	51	46	66	56	50	46	55	50	46	55	50	46	54	49	46	44	44

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

	0°
0°	83683
5°	83476
10°	83298
15°	83275
20°	82461
25°	77457
30°	69049
35°	55060
40°	36556
45°	21864
50°	11321
55°	5962
60°	2098
65°	26
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 21864 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	72.4	7.5
10°-20°	207.6	21.4
20°-30°	292.8	30.2
30°-40°	252.8	26.1
40°-50°	113.2	11.7
50°-60°	29.6	3.1
60°-70°	1.9	0.2
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°	572.8	59.0
0°-40°	825.6	85.1
0°-60°	968.5	99.8
0°-90°	970.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	970.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	766	
5°	761	72
15°	736	208
25°	642	293
35°	413	253
45°	142	113
55°	31	30
65°	0	2
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	765.9
2.5°	765.1
5°	761.1
7.5°	757.8
10°	750.8
12.5°	744.4
15°	736.2
17.5°	726.7
20°	709.2
22.5°	680.4
25°	642.5
27.5°	598.6
30°	547.3
32.5°	484.7
35°	412.8
37.5°	333.5
40°	256.3
42.5°	194.7
45°	141.5
47.5°	97.5
50°	66.6
52.5°	46.0
55°	31.3
57.5°	18.9
60°	9.6
62.5°	3.0
65°	0.1
67.5°	0.0
70°	0.0
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

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— 0°-180°

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Scaled Data Report



(END OF REPORT)