

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: P736022

Luminaire Tested: LD4D15D010-EU4DR700215IC9035-4LBSQW1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P736022  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D15D010-EU4DR700215IC9035-4LBSQW1MW  
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1177.2 lumens  
Efficiency: N/A  
Efficacy: 74.5 lumens/watt  
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82  
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')  
CIE Type: Direct

Input Watts (W): 15.8  
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



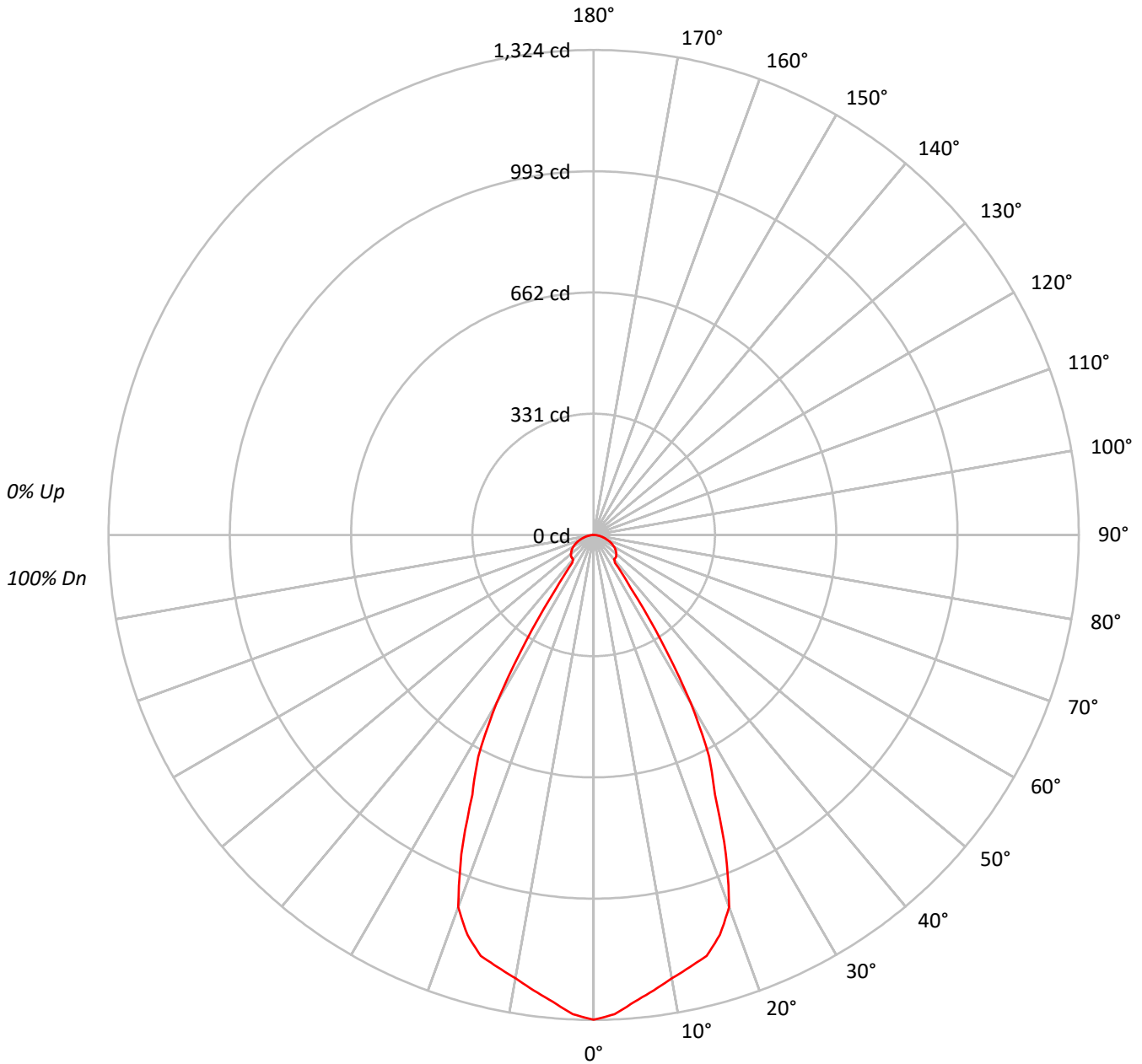
Downlight



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### Luminous Intensity Polar Plot





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

RF	20									20									20									20																	
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	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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																											
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																											
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																											
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																											
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																											
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																											
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																											
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																											
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																											
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																											

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

	0°
0°	130818
5°	126932
10°	123391
15°	121782
20°	113716
25°	85427
30°	60388
35°	21394
40°	11238
45°	11979
50°	12409
55°	12632
60°	12711
65°	12442
70°	11762
75°	10884
80°	9677
85°	7825

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 12730 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	120.7	10.3
10°-20°	331.0	28.1
20°-30°	364.5	31.0
30°-40°	139.3	11.8
40°-50°	65.8	5.6
50°-60°	65.4	5.6
60°-70°	52.3	4.4
70°-80°	30.1	2.6
80°-90°	8.2	0.7
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°	816.2	69.3
0°-40°	955.5	81.2
0°-60°	1086.6	92.3
0°-90°	1177.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1177.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1324	
5°	1279	121
15°	1190	331
25°	783	365
35°	177	139
45°	86	66
55°	73	65
65°	53	52
75°	28	30
85°	7	8
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1323.5
2.5°	1309.7
5°	1279.3
7.5°	1254.0
10°	1229.4
12.5°	1208.7
15°	1190.1
17.5°	1145.0
20°	1081.1
22.5°	943.2
25°	783.3
27.5°	681.9
30°	529.1
32.5°	341.8
35°	177.3
37.5°	95.7
40°	87.1
42.5°	86.6
45°	85.7
47.5°	83.8
50°	80.7
52.5°	77.1
55°	73.3
57.5°	69.2
60°	64.3
62.5°	58.9
65°	53.2
67.5°	46.9
70°	40.7
72.5°	34.4
75°	28.5
77.5°	22.4
80°	17.0
82.5°	11.9
85°	6.9
87.5°	2.8
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)