

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: P750534

Luminaire Tested: LD4D55D010-EU4DR7055659035-4LBDP1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P750534  
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: LD4D55D010-EU4DR7055659035-4LBDP1MW  
Description: 4 INCH ROUND 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: 4359.4 lumens  
Efficiency: N/A  
Efficacy: 74.9 lumens/watt  
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

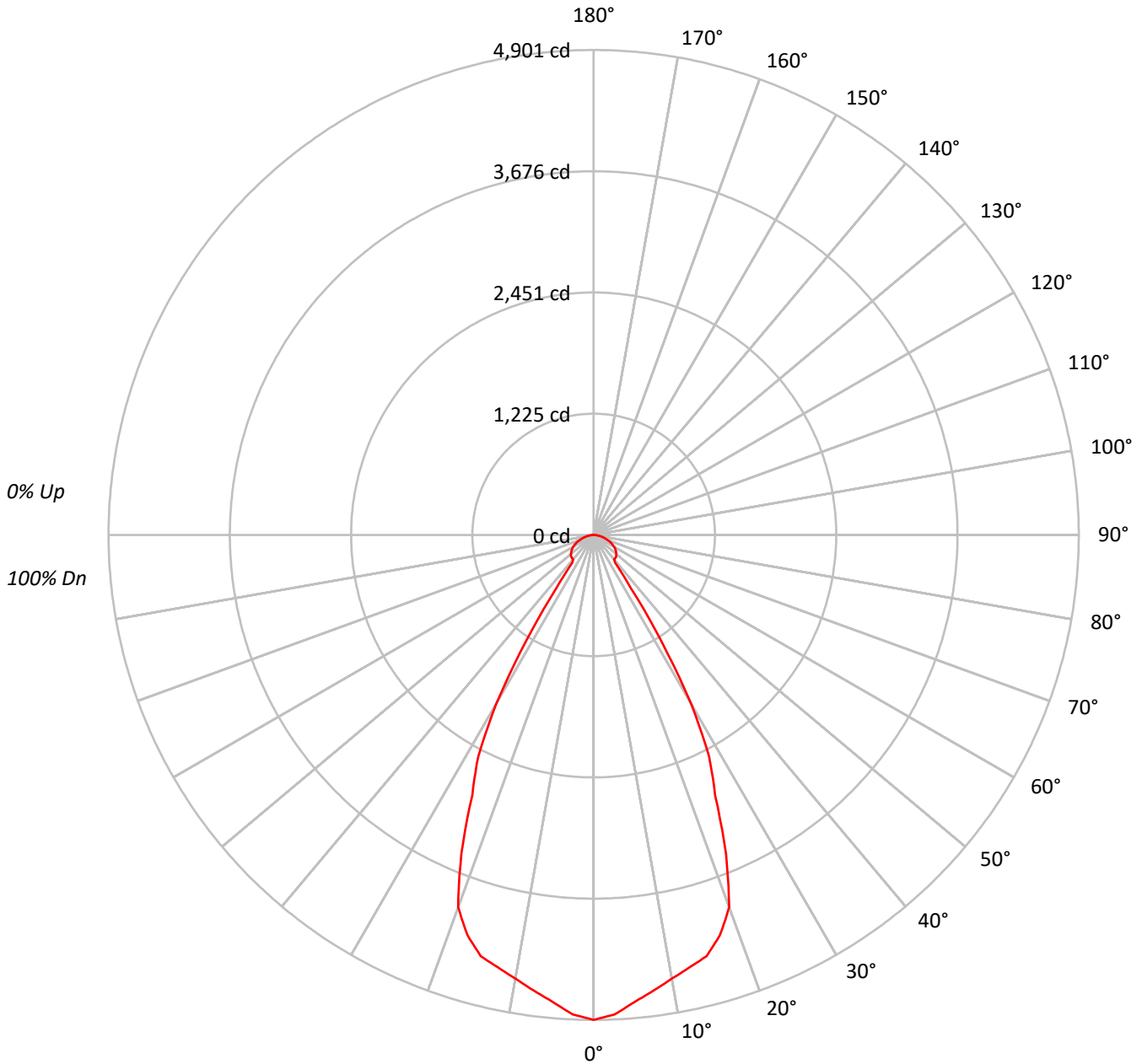
Input Watts (W): 58.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

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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
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°	535520
5°	519600
10°	505116
15°	498487
20°	465487
25°	349697
30°	247205
35°	87566
40°	46041
45°	49044
50°	50790
55°	51737
60°	52052
65°	50957
70°	48078
75°	44537
80°	39577
85°	32093

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 52078 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	446.8	10.3
10°-20°	1225.7	28.1
20°-30°	1349.9	31.0
30°-40°	515.8	11.8
40°-50°	243.5	5.6
50°-60°	242.1	5.6
60°-70°	193.8	4.4
70°-80°	111.4	2.6
80°-90°	30.3	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°	3022.5	69.3
0°-40°	3538.2	81.2
0°-60°	4023.9	92.3
0°-90°	4359.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4359.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4901	
5°	4738	447
15°	4407	1226
25°	2901	1350
35°	656	516
45°	317	244
55°	272	242
65°	197	194
75°	106	111
85°	26	30
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4901.3
2.5°	4850.0
5°	4737.5
7.5°	4643.6
10°	4552.8
12.5°	4476.0
15°	4406.9
17.5°	4240.1
20°	4003.4
22.5°	3492.8
25°	2900.7
27.5°	2525.1
30°	1959.4
32.5°	1265.7
35°	656.5
37.5°	354.6
40°	322.8
42.5°	320.5
45°	317.4
47.5°	310.4
50°	298.8
52.5°	285.6
55°	271.6
57.5°	256.1
60°	238.2
62.5°	218.1
65°	197.1
67.5°	173.8
70°	150.5
72.5°	127.3
75°	105.5
77.5°	83.0
80°	62.9
82.5°	44.2
85°	25.6
87.5°	10.1
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)