

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: P750365

Luminaire Tested: LD4D55D010-EU4DR6055659030-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P750365
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D55D010-EU4DR6055659030-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4969.1 lumens
Efficiency: N/A
Efficacy: 85.4 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

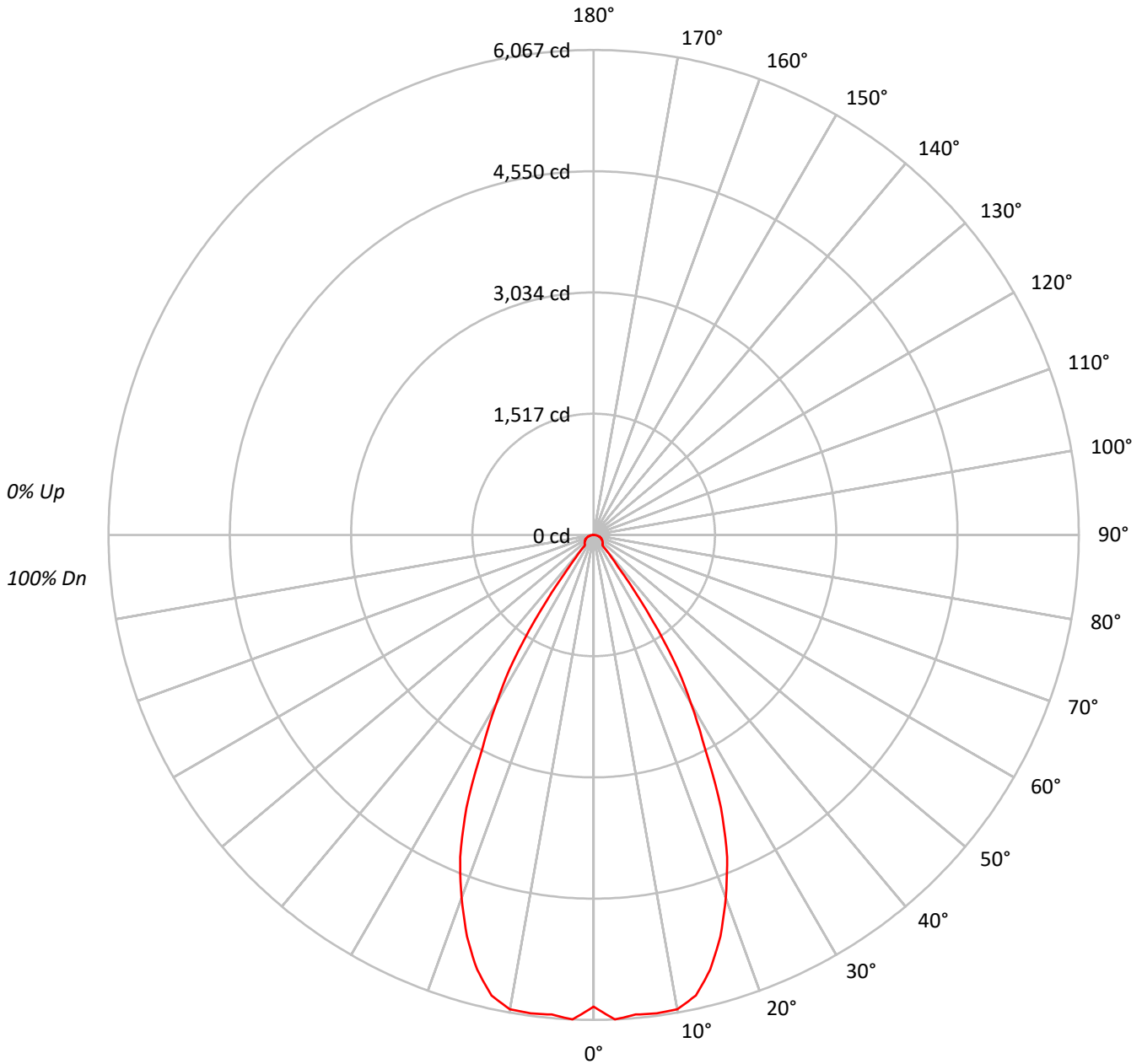
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93		
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86		
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80		
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75		
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70		
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66		
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62		
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59		
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55		
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	644791
5°	660657
10°	668629
15°	636962
20°	561610
25°	454243
30°	307258
35°	153964
40°	24974
45°	24445
50°	24936
55°	25316
60°	26004
65°	26603
70°	27218
75°	27566
80°	26553
85°	22189

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 27566 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	575.7	11.6
10°-20°	1557.6	31.3
20°-30°	1675.8	33.7
30°-40°	728.4	14.7
40°-50°	122.3	2.5
50°-60°	119.0	2.4
60°-70°	101.8	2.0
70°-80°	68.1	1.4
80°-90°	20.4	0.4
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°	3809.1	76.7
0°-40°	4537.6	91.3
0°-60°	4778.9	96.2
0°-90°	4969.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4969.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5901	
5°	6024	576
15°	5631	1558
25°	3768	1676
35°	1154	728
45°	158	122
55°	133	119
65°	103	102
75°	65	68
85°	18	20
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5901.4
2.5°	6067.3
5°	6023.6
7.5°	6037.4
10°	6026.6
12.5°	5902.2
15°	5631.1
17.5°	5267.1
20°	4830.1
22.5°	4362.3
25°	3767.9
27.5°	3013.7
30°	2435.4
32.5°	1877.0
35°	1154.3
37.5°	493.8
40°	175.1
42.5°	161.3
45°	158.2
47.5°	152.8
50°	146.7
52.5°	139.8
55°	132.9
57.5°	126.0
60°	119.0
62.5°	111.4
65°	102.9
67.5°	94.5
70°	85.2
72.5°	75.3
75°	65.3
77.5°	53.8
80°	42.2
82.5°	30.0
85°	17.7
87.5°	6.1
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)