

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: P751952

Luminaire Tested: LD4D65D010-EU4DR6055659040-4LBS1B

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P751952
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-60)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D65D010-EU4DR6055659040-4LBS1B
Description: 4 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6962.6 lumens
Efficiency: N/A
Efficacy: 95.6 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

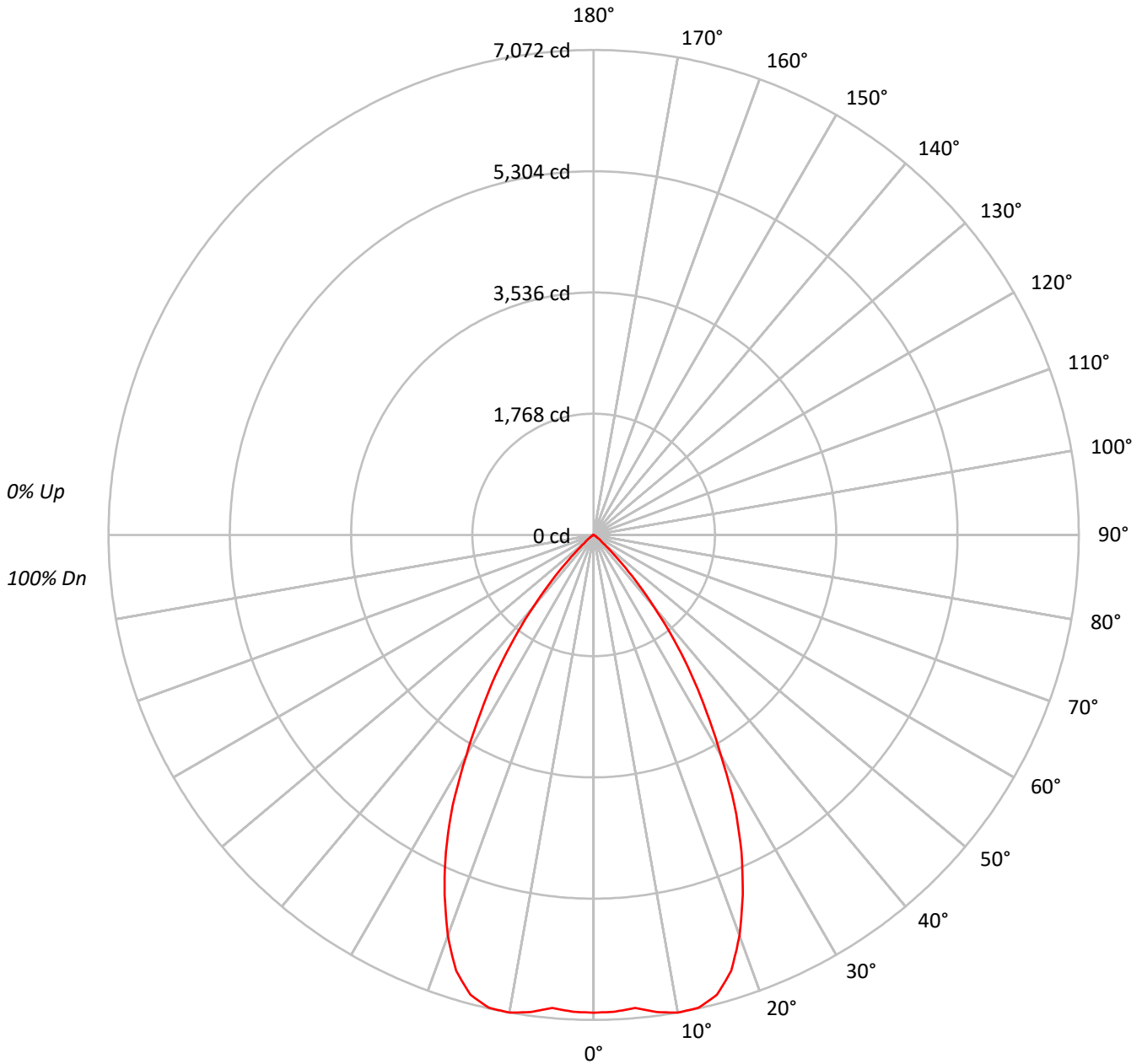
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				
1	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94				
2	108	103	99	96	106	101	98	95	98	95	92	95	93	90	92	90	89	87				
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81				
4	97	90	84	80	95	88	83	79	86	82	78	84	81	78	82	79	77	75				
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70				
6	87	79	73	68	86	78	72	68	76	71	68	75	70	67	74	70	67	65				
7	83	74	68	63	82	73	67	63	72	67	63	71	66	63	69	65	62	61				
8	79	69	63	59	78	69	63	59	68	63	59	67	62	59	66	61	58	57				
9	75	65	59	55	74	65	59	55	64	59	55	63	58	55	62	58	55	53				
10	72	62	56	52	71	61	56	52	61	55	52	60	55	52	59	55	52	50				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	761296
5°	759444
10°	784668
15°	785471
20°	722717
25°	614727
30°	468394
35°	331229
40°	194504
45°	78480
50°	26211
55°	12610
60°	5179
65°	776
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 78480 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	668.0	9.6
10°-20°	1923.7	27.6
20°-30°	2302.5	33.1
30°-40°	1540.0	22.1
40°-50°	456.6	6.6
50°-60°	65.6	0.9
60°-70°	6.3	0.1
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°	4894.2	70.3
0°-40°	6434.2	92.4
0°-60°	6956.4	99.9
0°-90°	6962.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6962.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6968	
5°	6924	668
15°	6944	1924
25°	5099	2302
35°	2483	1540
45°	508	457
55°	66	66
65°	3	6
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6967.7
2.5°	6958.9
5°	6924.3
7.5°	7018.1
10°	7072.5
12.5°	7062.6
15°	6944.0
17.5°	6664.4
20°	6215.7
22.5°	5677.2
25°	5099.1
27.5°	4447.9
30°	3712.6
32.5°	3056.5
35°	2483.3
37.5°	1909.2
40°	1363.7
42.5°	899.3
45°	507.9
47.5°	259.9
50°	154.2
52.5°	99.8
55°	66.2
57.5°	42.5
60°	23.7
62.5°	9.9
65°	3.0
67.5°	1.0
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

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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)