

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: P750505

Luminaire Tested: LD4D55D010-EU4DR7055659027-4LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P750505
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-EU4DR7055659027-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3119.1 lumens
Efficiency: N/A
Efficacy: 53.6 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

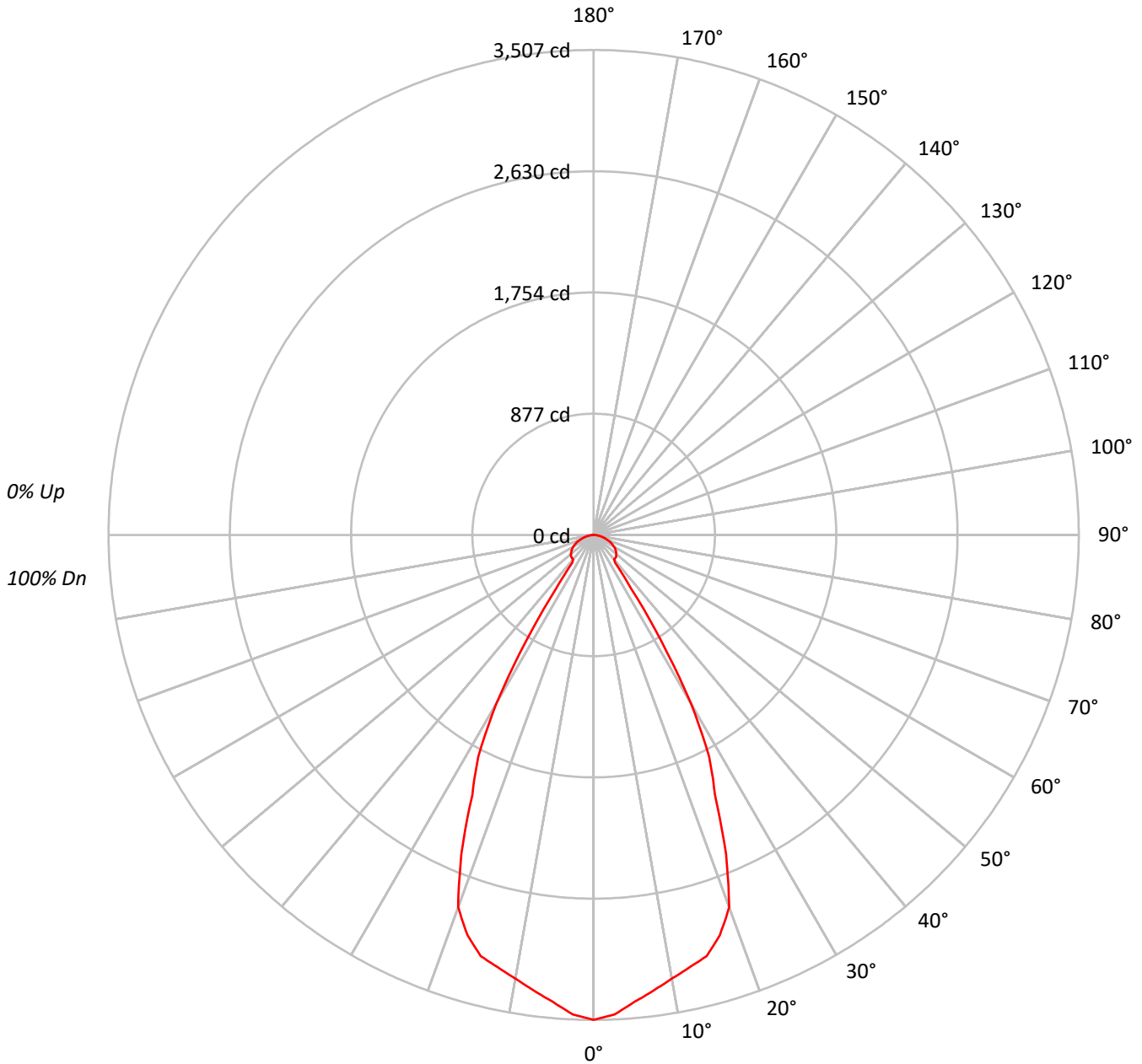
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	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°	383156
5°	371776
10°	361407
15°	356663
20°	333052
25°	250202
30°	176881
35°	62650
40°	32947
45°	35091
50°	36342
55°	37012
60°	37258
65°	36453
70°	34406
75°	31872
80°	28314
85°	22941

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 60°
 Luminance: 37258 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	319.7	10.3
10°-20°	877.0	28.1
20°-30°	965.9	31.0
30°-40°	369.0	11.8
40°-50°	174.3	5.6
50°-60°	173.2	5.6
60°-70°	138.7	4.4
70°-80°	79.7	2.6
80°-90°	21.7	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°	2162.6	69.3
0°-40°	2531.6	81.2
0°-60°	2879.1	92.3
0°-90°	3119.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3119.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3507	
5°	3390	320
15°	3153	877
25°	2075	966
35°	470	369
45°	227	174
55°	194	173
65°	141	139
75°	76	80
85°	18	22
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3506.8
2.5°	3470.2
5°	3389.7
7.5°	3322.5
10°	3257.5
12.5°	3202.6
15°	3153.1
17.5°	3033.8
20°	2864.4
22.5°	2499.1
25°	2075.4
27.5°	1806.7
30°	1402.0
32.5°	905.6
35°	469.7
37.5°	253.7
40°	231.0
42.5°	229.3
45°	227.1
47.5°	222.1
50°	213.8
52.5°	204.3
55°	194.3
57.5°	183.2
60°	170.5
62.5°	156.0
65°	141.0
67.5°	124.4
70°	107.7
72.5°	91.1
75°	75.5
77.5°	59.4
80°	45.0
82.5°	31.6
85°	18.3
87.5°	7.2
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)