

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: P750538

Luminaire Tested: LD4D55D010-EU4DR7055659035-4LBS1MW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P750538
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-76)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D55D010-EU4DR7055659035-4LBS1MW
Description: 4 INCH ROUND SHALLOW 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: 5578.7 lumens
Efficiency: N/A
Efficacy: 95.9 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.04
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

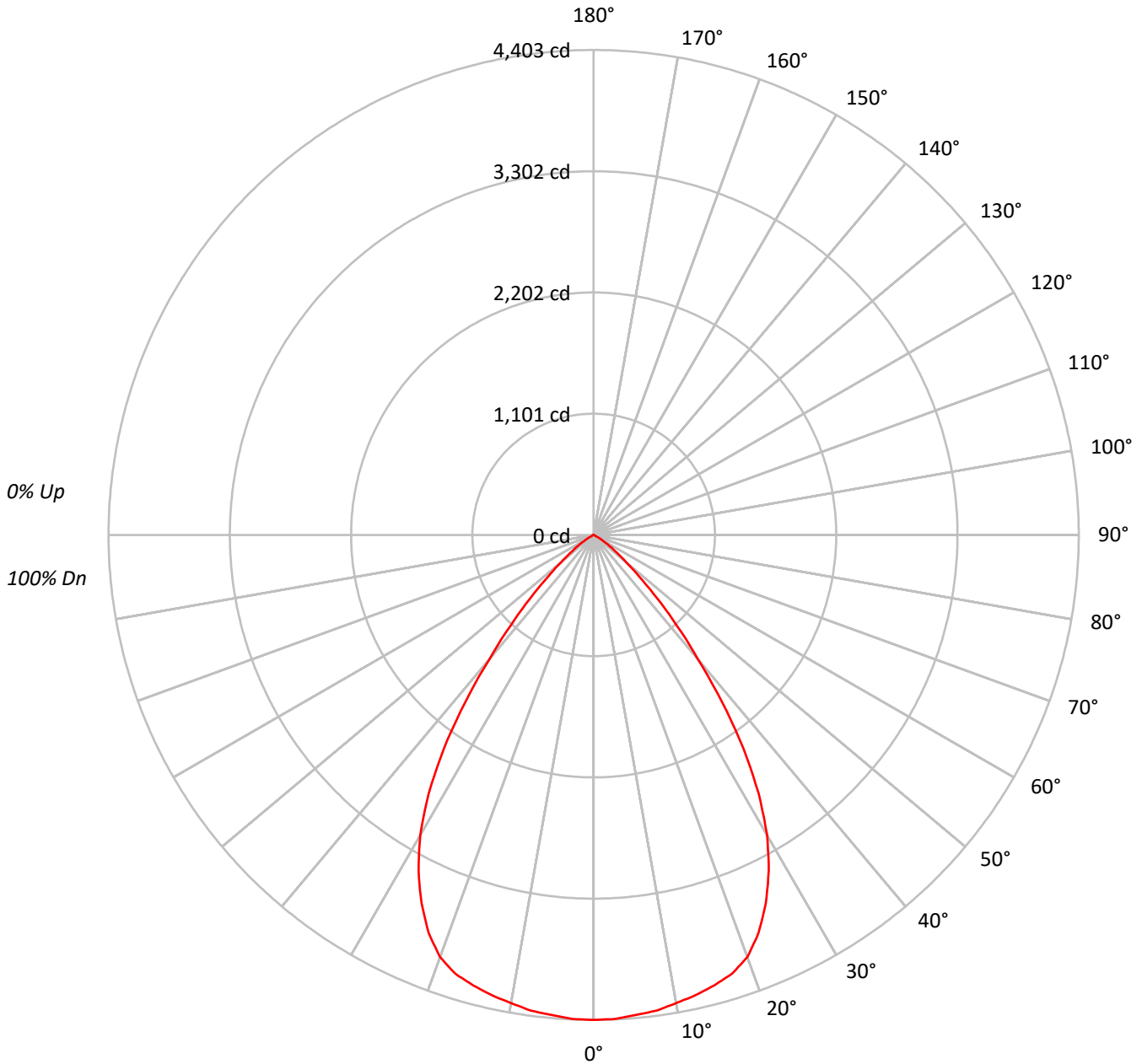
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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	0													
RCR	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	99	97	97	95	94	93										
	1	113	110	107	105	111	108	106	103	104	102	100	100	99	97	97	95	94	93	93	93	92	91	90	90	89	87	85									
	2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85	85	85	84	83	82	82	81	80	78									
	3	101	94	88	84	99	92	87	83	90	85	82	87	84	81	85	82	79	78	78	78	77	76	75	74	73	71	71									
	4	95	87	81	76	93	86	80	76	83	78	75	81	77	74	79	76	73	71	71	71	70	69	68	67	67	65	65									
	5	89	80	74	69	88	79	73	69	78	72	68	76	71	68	74	70	67	65	65	65	64	63	62	62	61	60	60									
	6	84	75	68	63	83	74	68	63	72	67	63	71	66	62	69	65	62	60	60	60	59	58	57	57	56	55	54									
	7	80	69	63	58	78	69	62	58	67	62	58	66	61	57	65	61	57	56	56	56	55	54	53	53	52	51	51									
	8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51	51	51	50	49	49	48	48	47	47									
	9	71	61	54	50	70	60	54	50	59	53	50	58	53	49	57	53	49	48	48	48	47	46	46	45	44	44	44									
	10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46	44	44	44	43	42	42	41	40	40	40									

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	481097
5°	479897
10°	478855
15°	478726
20°	474044
25°	445297
30°	396986
35°	316517
40°	210165
45°	125654
50°	65136
55°	34231
60°	12106
65°	207
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 125654 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	416.1	7.5
10°-20°	1193.4	21.4
20°-30°	1683.5	30.2
30°-40°	1453.3	26.1
40°-50°	650.8	11.7
50°-60°	170.4	3.1
60°-70°	11.1	0.2
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°	3293.1	59.0
0°-40°	4746.4	85.1
0°-60°	5567.6	99.8
0°-90°	5578.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5578.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4403	
5°	4376	416
15°	4232	1193
25°	3694	1684
35°	2373	1453
45°	813	651
55°	180	170
65°	1	11
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4403.2
2.5°	4398.4
5°	4375.5
7.5°	4356.5
10°	4316.1
12.5°	4279.7
15°	4232.2
17.5°	4177.5
20°	4077.0
22.5°	3911.5
25°	3693.7
27.5°	3441.2
30°	3146.6
32.5°	2786.3
35°	2373.0
37.5°	1916.9
40°	1473.5
42.5°	1119.6
45°	813.2
47.5°	560.6
50°	383.2
52.5°	264.5
55°	179.7
57.5°	108.5
60°	55.4
62.5°	17.4
65°	0.8
67.5°	0.0
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)