

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: P750339

Luminaire Tested: LD4D55D010-EU4DR6055659024-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P750339
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-EU4DR6055659024-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4258.0 lumens
Efficiency: N/A
Efficacy: 73.2 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

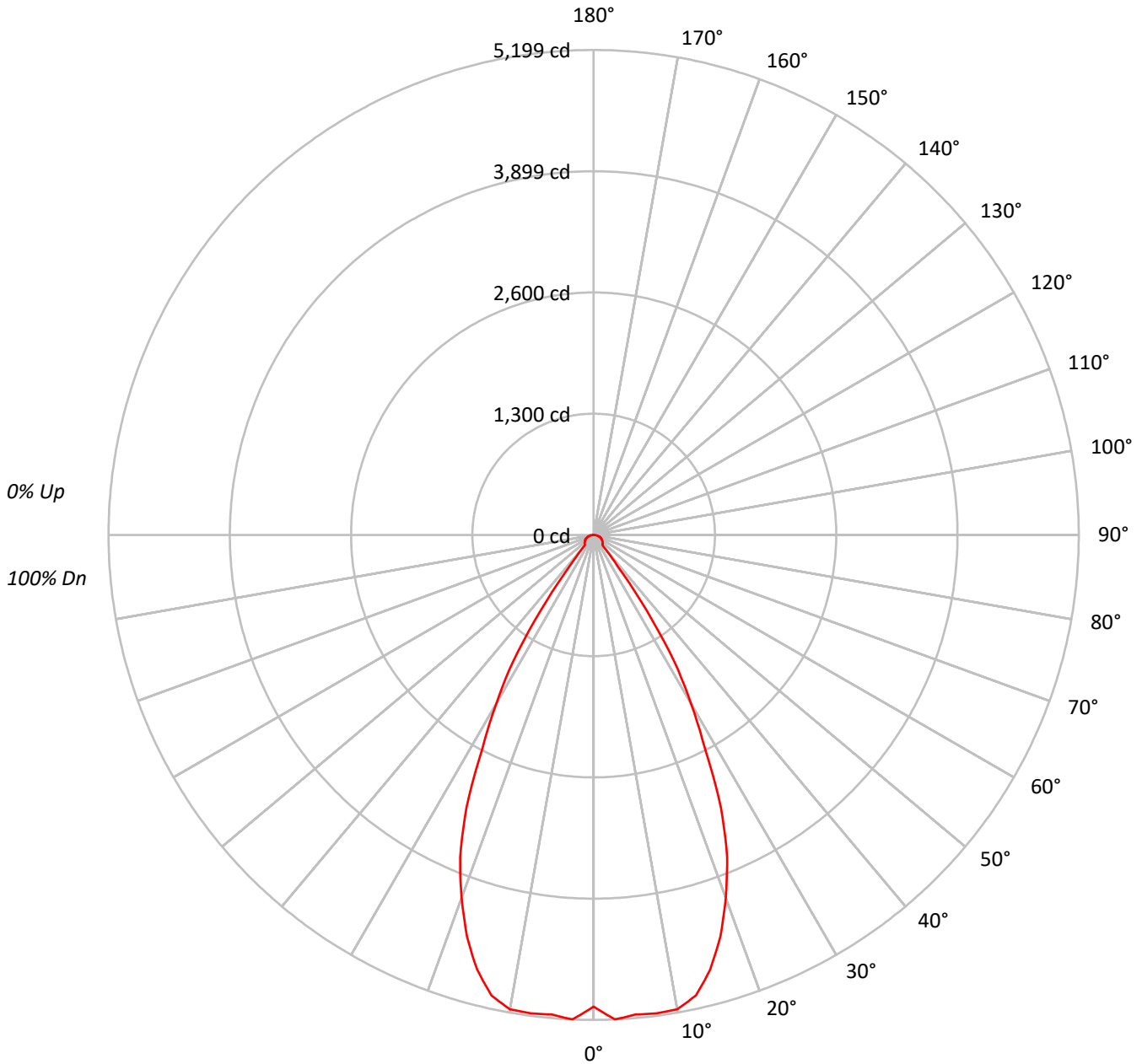
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	0
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°	552521
5°	566104
10°	572949
15°	545803
20°	481230
25°	389239
30°	263291
35°	131929
40°	21394
45°	20953
50°	21366
55°	21697
60°	22289
65°	22803
70°	23320
75°	23598
80°	22777
85°	18930

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 23598 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	493.3	11.6
10°-20°	1334.7	31.3
20°-30°	1436.0	33.7
30°-40°	624.2	14.7
40°-50°	104.8	2.5
50°-60°	101.9	2.4
60°-70°	87.2	2.0
70°-80°	58.3	1.4
80°-90°	17.5	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°	3264.0	76.7
0°-40°	3888.2	91.3
0°-60°	4095.0	96.2
0°-90°	4258.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4258.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5057	
5°	5162	493
15°	4825	1335
25°	3229	1436
35°	989	624
45°	136	105
55°	114	102
65°	88	87
75°	56	58
85°	15	17
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5056.9
2.5°	5199.0
5°	5161.5
7.5°	5173.4
10°	5164.2
12.5°	5057.5
15°	4825.2
17.5°	4513.3
20°	4138.8
22.5°	3738.0
25°	3228.7
27.5°	2582.4
30°	2086.9
32.5°	1608.4
35°	989.1
37.5°	423.2
40°	150.0
42.5°	138.2
45°	135.6
47.5°	131.0
50°	125.7
52.5°	119.8
55°	113.9
57.5°	107.9
60°	102.0
62.5°	95.4
65°	88.2
67.5°	80.9
70°	73.0
72.5°	64.5
75°	55.9
77.5°	46.1
80°	36.2
82.5°	25.7
85°	15.1
87.5°	5.3
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)