

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: P750239

Luminaire Tested: LD4D55D010-EU4DR5055659040-4LBS1MW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P750239
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-44)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D55D010-EU4DR5055659040-4LBS1MW
Description: 4 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 50° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6003.6 lumens
Efficiency: N/A
Efficacy: 103.2 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.73
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

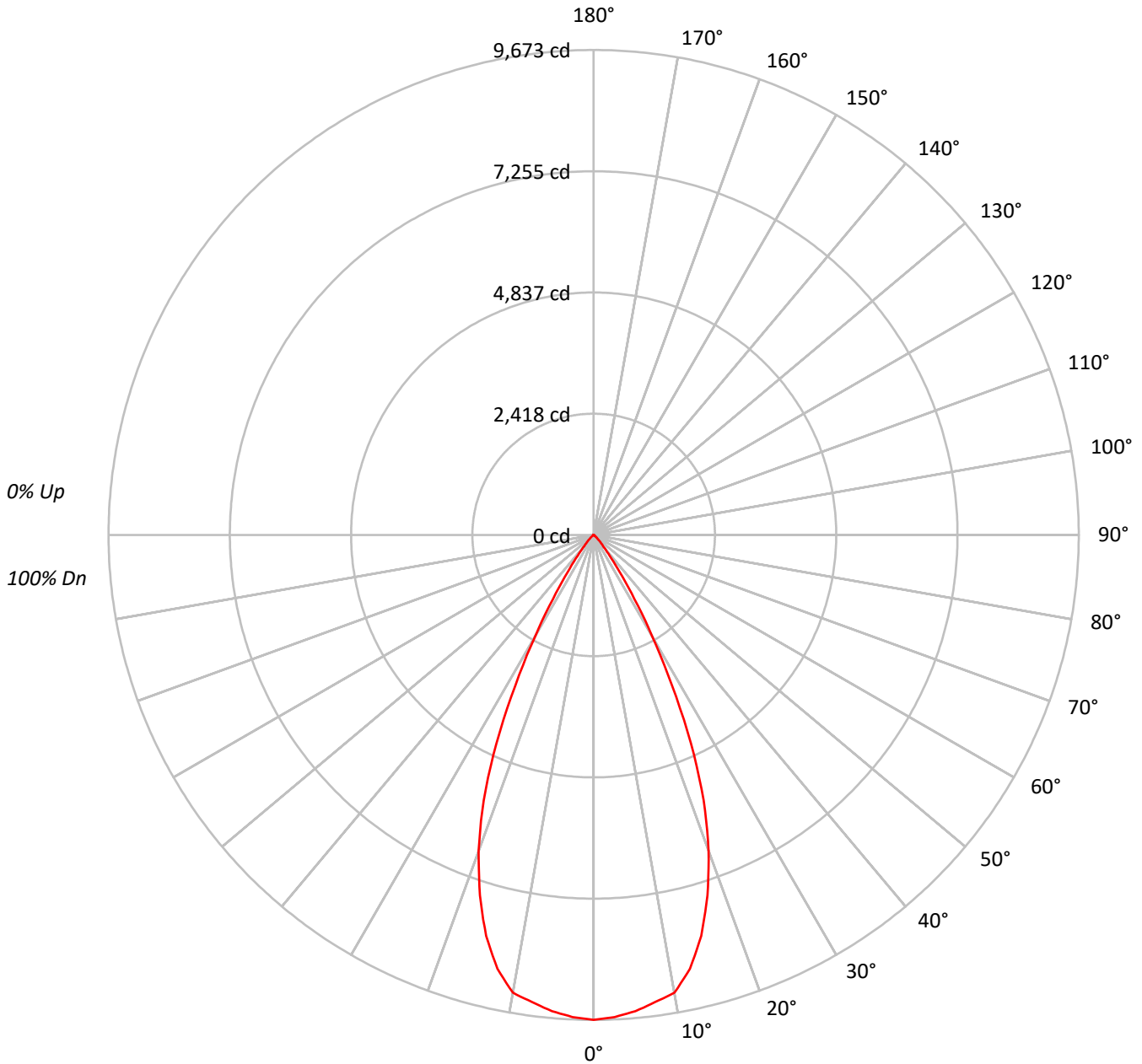
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100																
1	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	95			95																
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90			90																
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85			85																
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	80			80																
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	76			76																
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	74	72			72																
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	69			69																
8	85	76	71	67	84	76	71	67	75	70	67	74	70	67	73	69	66	65			65																
9	81	73	68	64	80	72	67	64	71	67	64	71	67	64	70	66	63	62			62																
10	78	70	64	61	77	69	64	61	68	64	61	68	64	61	67	63	60	59			59																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1056912
5°	1045836
10°	1028616
15°	936638
20°	779389
25°	553243
30°	292838
35°	119338
40°	44315
45°	20288
50°	8312
55°	4343
60°	2142
65°	620
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 20288 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	901.3	15.0
10°-20°	2277.8	37.9
20°-30°	2046.0	34.1
30°-40°	640.6	10.7
40°-50°	112.2	1.9
50°-60°	22.3	0.4
60°-70°	3.4	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°	5225.1	87.0
0°-40°	5865.7	97.7
0°-60°	6000.2	99.9
0°-90°	6003.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6003.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9673	
5°	9536	901
15°	8280	2278
25°	4589	2046
35°	895	641
45°	131	112
55°	23	22
65°	2	3
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9673.3
2.5°	9625.2
5°	9535.5
7.5°	9398.5
10°	9271.3
12.5°	8863.5
15°	8280.4
17.5°	7539.8
20°	6703.1
22.5°	5735.0
25°	4589.1
27.5°	3374.0
30°	2321.1
32.5°	1511.2
35°	894.7
37.5°	513.8
40°	310.7
42.5°	202.3
45°	131.3
47.5°	79.9
50°	48.9
52.5°	33.4
55°	22.8
57.5°	15.5
60°	9.8
62.5°	5.7
65°	2.4
67.5°	0.8
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

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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