

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: P750595

Luminaire Tested: LD4D60D010-EU4DR2555659030-4LBCSSQMW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P750595
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D60D010-EU4DR2555659030-4LBCSSQMW
Description: 4 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 25° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5009.9 lumens
Efficiency: N/A
Efficacy: 77.8 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.45
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

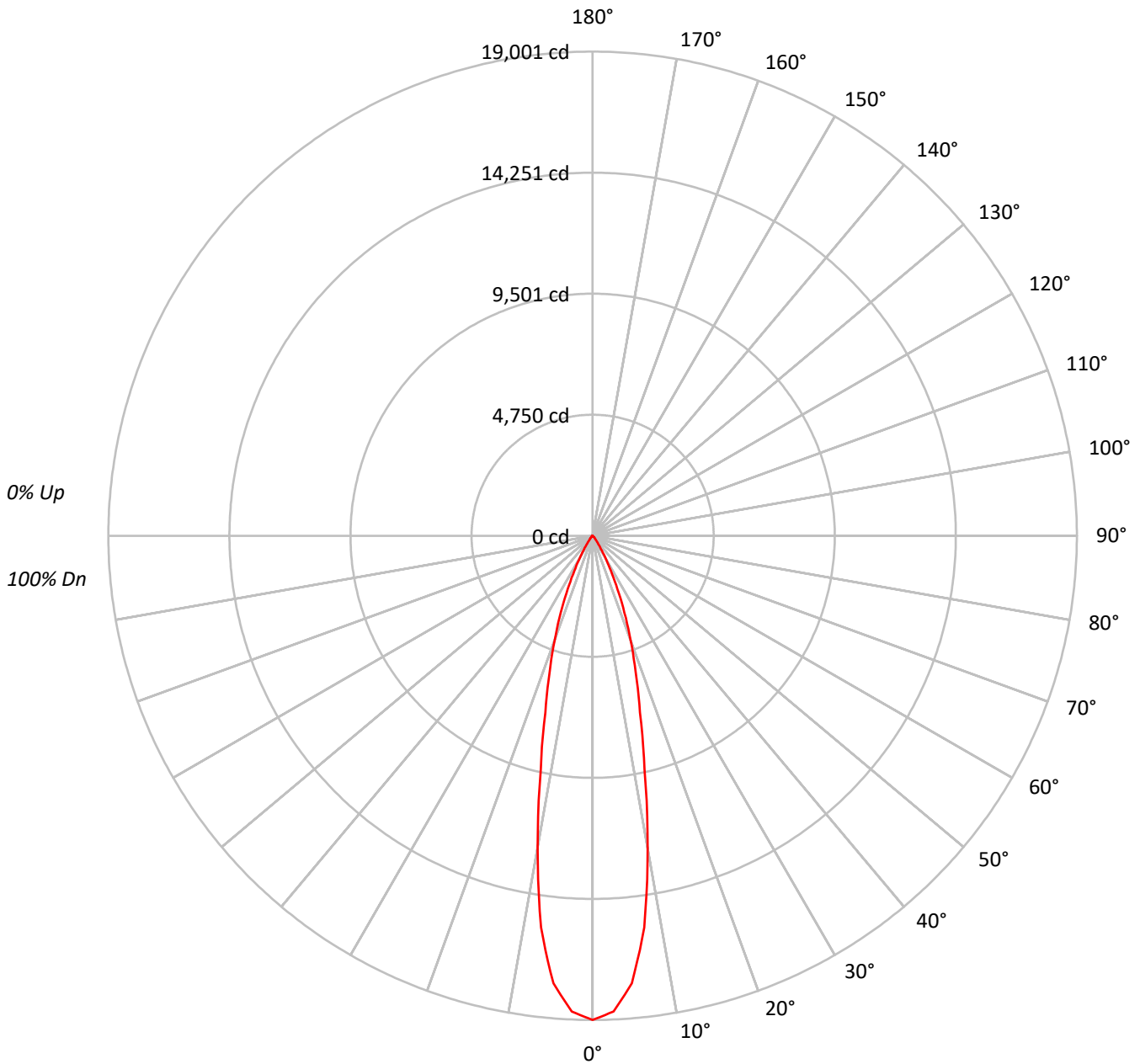
Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96				
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92				
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89				
4	103	97	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85				
5	100	93	89	86	98	93	89	86	91	87	85	89	86	84	88	85	83	82				
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79				
7	93	87	82	79	92	86	82	79	85	81	78	84	80	78	83	80	78	77				
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74				
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72				
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2076096
5°	1933625
10°	1379306
15°	812358
20°	505461
25°	277399
30°	126857
35°	48044
40°	21751
45°	13088
50°	5422
55°	3505
60°	2447
65°	1655
70°	256
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 13088 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1515.2	30.2
10°-20°	2052.2	41.0
20°-30°	1086.0	21.7
30°-40°	268.1	5.4
40°-50°	65.4	1.3
50°-60°	17.2	0.3
60°-70°	5.8	0.1
70°-80°	0.1	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°	4653.3	92.9
0°-40°	4921.4	98.2
0°-60°	5004.0	99.9
0°-90°	5009.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5009.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19001	
5°	17630	###
15°	7182	2052
25°	2301	1086
35°	360	268
45°	85	65
55°	18	17
65°	6	6
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	19001.3
2.5°	18689.0
5°	17630.0
7.5°	15502.3
10°	12432.2
12.5°	9398.0
15°	7181.7
17.5°	5597.1
20°	4347.2
22.5°	3260.2
25°	2301.0
27.5°	1543.0
30°	1005.5
32.5°	611.8
35°	360.2
37.5°	220.4
40°	152.5
42.5°	116.6
45°	84.7
47.5°	51.1
50°	31.9
52.5°	23.2
55°	18.4
57.5°	14.4
60°	11.2
62.5°	8.8
65°	6.4
67.5°	2.4
70°	0.8
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)