

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: P751333

Luminaire Tested: LD4D60D010-EU4DR7055659040-4LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751333
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: LD4D60D010-EU4DR7055659040-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5285.0 lumens
Efficiency: N/A
Efficacy: 82.1 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

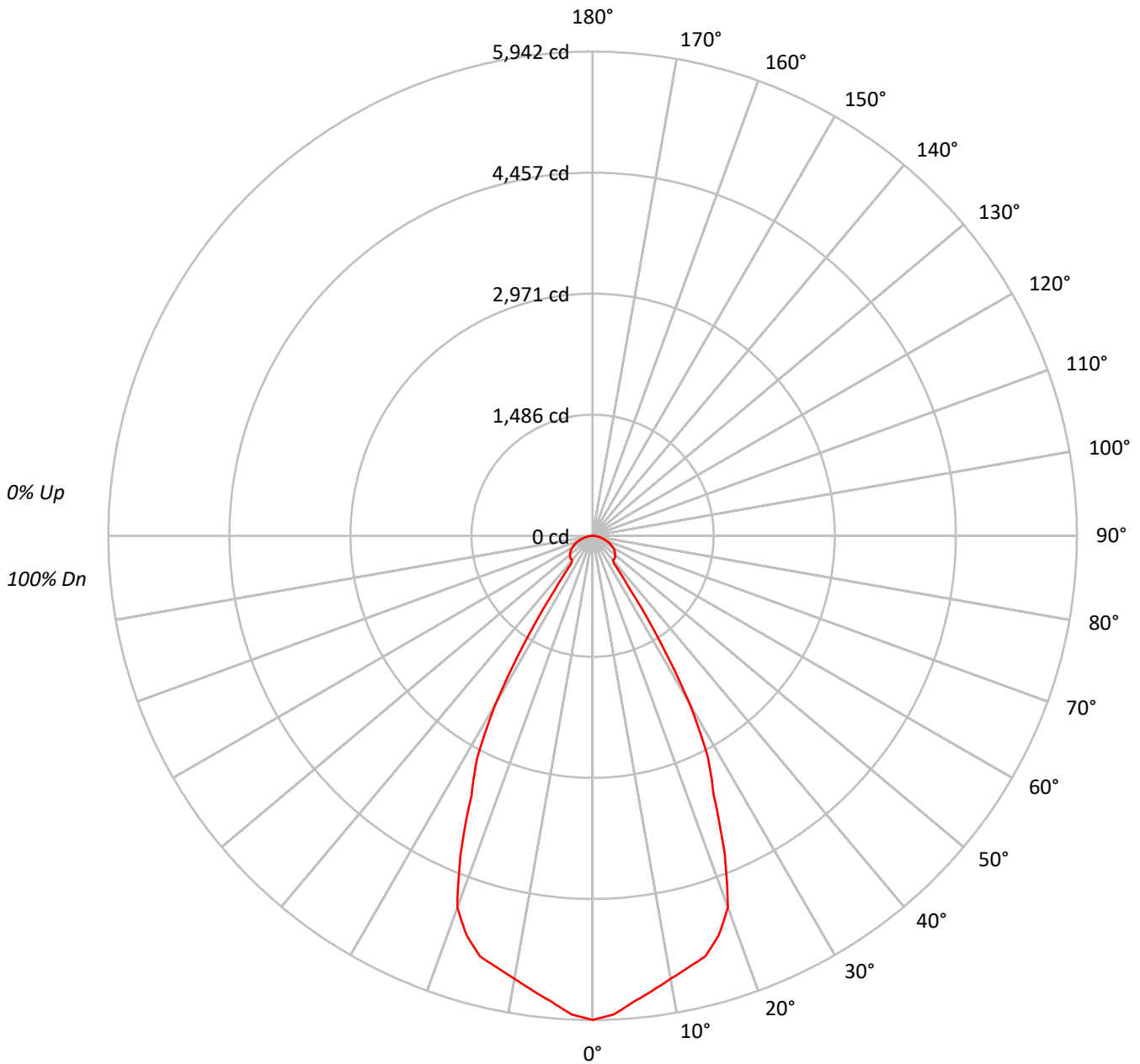
Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91					91			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83					83			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76					76			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70					70			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65					65			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61					61			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57					57			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53					53			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50					50			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48					48			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	649216
5°	629925
10°	612368
15°	604329
20°	564319
25°	423947
30°	299689
35°	106159
40°	55825
45°	59459
50°	61567
55°	62728
60°	63109
65°	61789
70°	58301
75°	53993
80°	47946
85°	38862

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 63141 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	541.7	10.3
10°-20°	1485.9	28.1
20°-30°	1636.5	31.0
30°-40°	625.3	11.8
40°-50°	295.2	5.6
50°-60°	293.5	5.6
60°-70°	235.0	4.4
70°-80°	135.1	2.6
80°-90°	36.7	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°	3664.2	69.3
0°-40°	4289.5	81.2
0°-60°	4878.3	92.3
0°-90°	5285.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5285.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5942	
5°	5743	542
15°	5343	1486
25°	3517	1637
35°	796	625
45°	385	295
55°	329	294
65°	239	235
75°	128	135
85°	31	37
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5941.9
2.5°	5879.8
5°	5743.4
7.5°	5629.6
10°	5519.5
12.5°	5426.4
15°	5342.6
17.5°	5140.4
20°	4853.4
22.5°	4234.4
25°	3516.6
27.5°	3061.3
30°	2375.4
32.5°	1534.4
35°	795.9
37.5°	429.9
40°	391.4
42.5°	388.5
45°	384.8
47.5°	376.3
50°	362.2
52.5°	346.2
55°	329.3
57.5°	310.5
60°	288.8
62.5°	264.4
65°	239.0
67.5°	210.7
70°	182.5
72.5°	154.3
75°	127.9
77.5°	100.7
80°	76.2
82.5°	53.6
85°	31.0
87.5°	12.2
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)