

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: P767655

Luminaire Tested: LD6D50D010-EU6DR6040509030-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P767655
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: LD6D50D010-EU6DR6040509030-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5191.4 lumens
Efficiency: N/A
Efficacy: 110.5 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

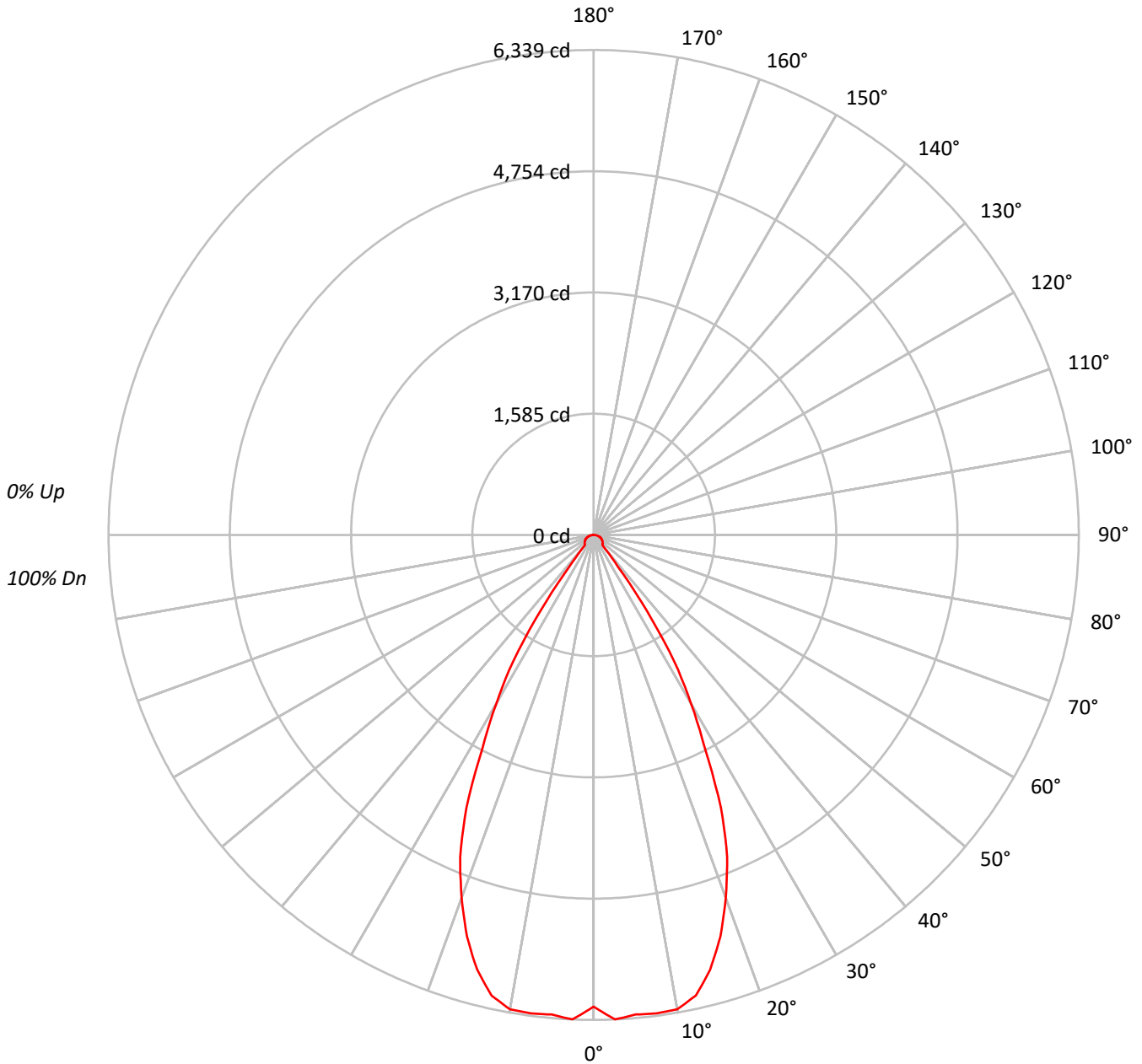
Input Watts (W): 47
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	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°	673636
5°	690204
10°	698540
15°	665456
20°	586725
25°	474556
30°	320998
35°	160860
40°	26087
45°	25542
50°	26058
55°	26440
60°	27184
65°	27792
70°	28464
75°	28791
80°	27748
85°	23192

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 28791 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	601.4	11.6
10°-20°	1627.3	31.3
20°-30°	1750.8	33.7
30°-40°	761.0	14.7
40°-50°	127.8	2.5
50°-60°	124.3	2.4
60°-70°	106.3	2.0
70°-80°	71.1	1.4
80°-90°	21.3	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°	3979.5	76.7
0°-40°	4740.6	91.3
0°-60°	4992.7	96.2
0°-90°	5191.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5191.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6165	
5°	6293	601
15°	5883	1627
25°	3936	1751
35°	1206	761
45°	165	128
55°	139	124
65°	108	106
75°	68	71
85°	18	21
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6165.4
2.5°	6338.7
5°	6293.0
7.5°	6307.4
10°	6296.2
12.5°	6166.2
15°	5883.0
17.5°	5502.7
20°	5046.1
22.5°	4557.5
25°	3936.4
27.5°	3148.5
30°	2544.3
32.5°	1961.0
35°	1206.0
37.5°	515.9
40°	182.9
42.5°	168.5
45°	165.3
47.5°	159.7
50°	153.3
52.5°	146.0
55°	138.8
57.5°	131.6
60°	124.4
62.5°	116.3
65°	107.5
67.5°	98.7
70°	89.1
72.5°	78.6
75°	68.2
77.5°	56.2
80°	44.1
82.5°	31.3
85°	18.5
87.5°	6.4
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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