

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: P767421

Luminaire Tested: LD6D50D010-EU6DR4540509030-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P767421
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D50D010-EU6DR4540509030-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 45° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5423.4 lumens
Efficiency: N/A
Efficacy: 115.4 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.69
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

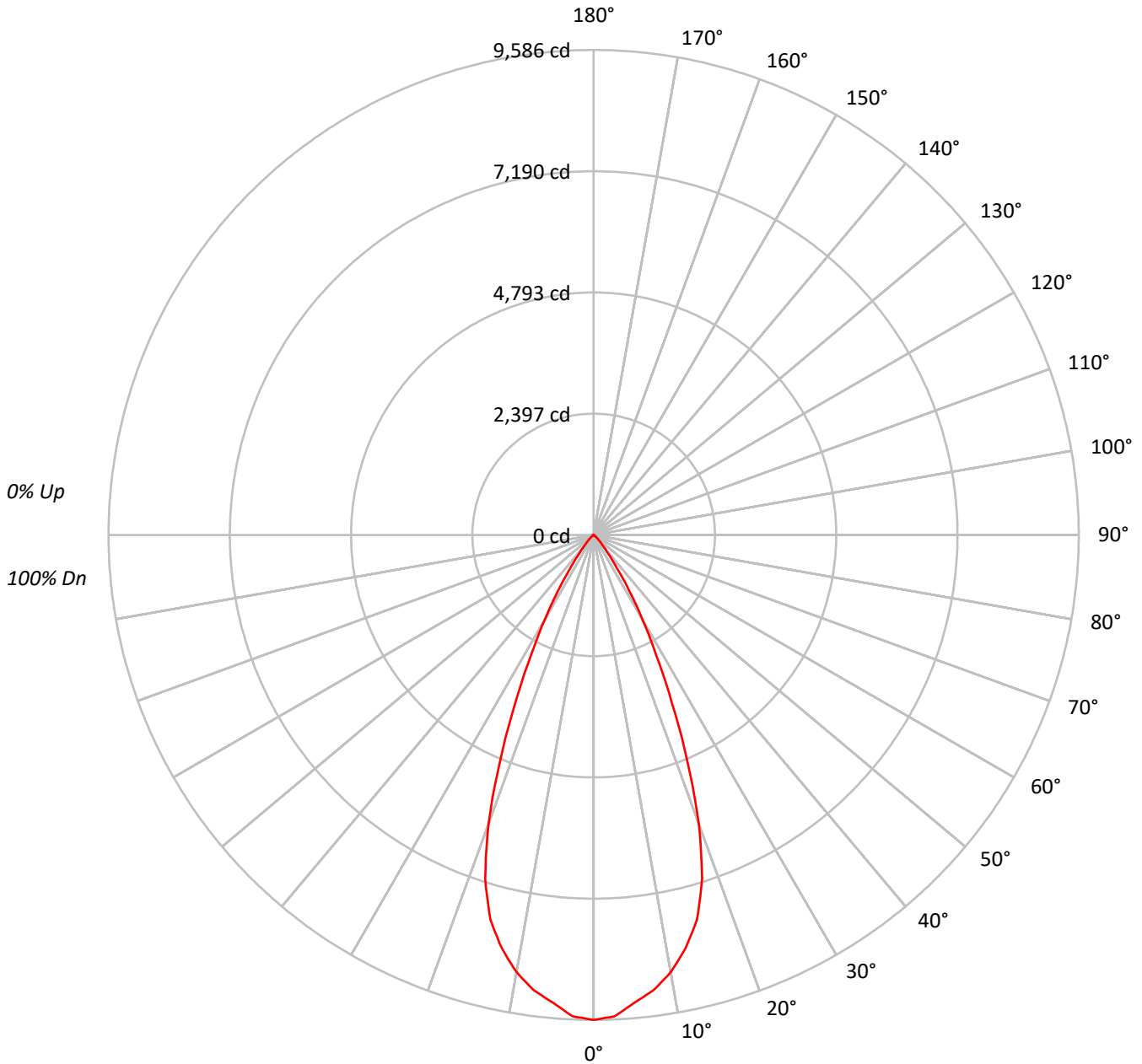
Input Watts (W): 47
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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	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	100	100	100	100													
	1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	98	98	97	95	95	95	95	95	95													
	2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	91	90	90	90	90	90	90													
	3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	89	87	85	85	85	85	85	85													
	4	100	94	89	85	99	93	88	85	91	87	84	89	86	83	87	84	82	81	81	81	81	81	81													
	5	96	89	84	80	95	88	83	80	86	82	79	85	81	79	83	80	78	77	77	77	77	77	77													
	6	92	85	80	76	91	84	79	76	83	78	75	81	77	75	80	77	74	73	73	73	73	73	73													
	7	89	81	75	72	87	80	75	72	79	74	71	78	74	71	77	73	71	69	69	69	69	69	69													
	8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66	66	66	66	66	66													
	9	82	73	68	65	81	73	68	65	72	68	65	71	67	64	71	67	64	63	63	63	63	63	63													
	10	79	70	65	62	78	70	65	62	69	65	62	68	64	61	68	64	61	60	60	60	60	60	60													

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1047374
5°	1017550
10°	973520
15°	890973
20°	706846
25°	441295
30°	243231
35°	109214
40°	43017
45°	20273
50°	9604
55°	5029
60°	2469
65°	595
70°	256
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 20273 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	871.7	16.1
10°-20°	2145.4	39.6
20°-30°	1698.9	31.3
30°-40°	565.8	10.4
40°-50°	112.3	2.1
50°-60°	25.5	0.5
60°-70°	3.7	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°	4716.1	87.0
0°-40°	5281.8	97.4
0°-60°	5419.6	99.9
0°-90°	5423.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5423.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9586	
5°	9278	872
15°	7877	2145
25°	3660	1699
35°	819	566
45°	131	112
55°	26	25
65°	2	4
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9586.0
2.5°	9523.4
5°	9277.6
7.5°	9074.8
10°	8774.7
12.5°	8375.1
15°	7876.7
17.5°	7127.3
20°	6079.2
22.5°	4830.7
25°	3660.5
27.5°	2680.4
30°	1927.9
32.5°	1311.2
35°	818.8
37.5°	485.6
40°	301.6
42.5°	198.3
45°	131.2
47.5°	84.4
50°	56.5
52.5°	37.7
55°	26.4
57.5°	17.3
60°	11.3
62.5°	6.0
65°	2.3
67.5°	0.8
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)