

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: P767772

Luminaire Tested: LD6D50D010-EU6DR6540509050-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P767772
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D50D010-EU6DR6540509050-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

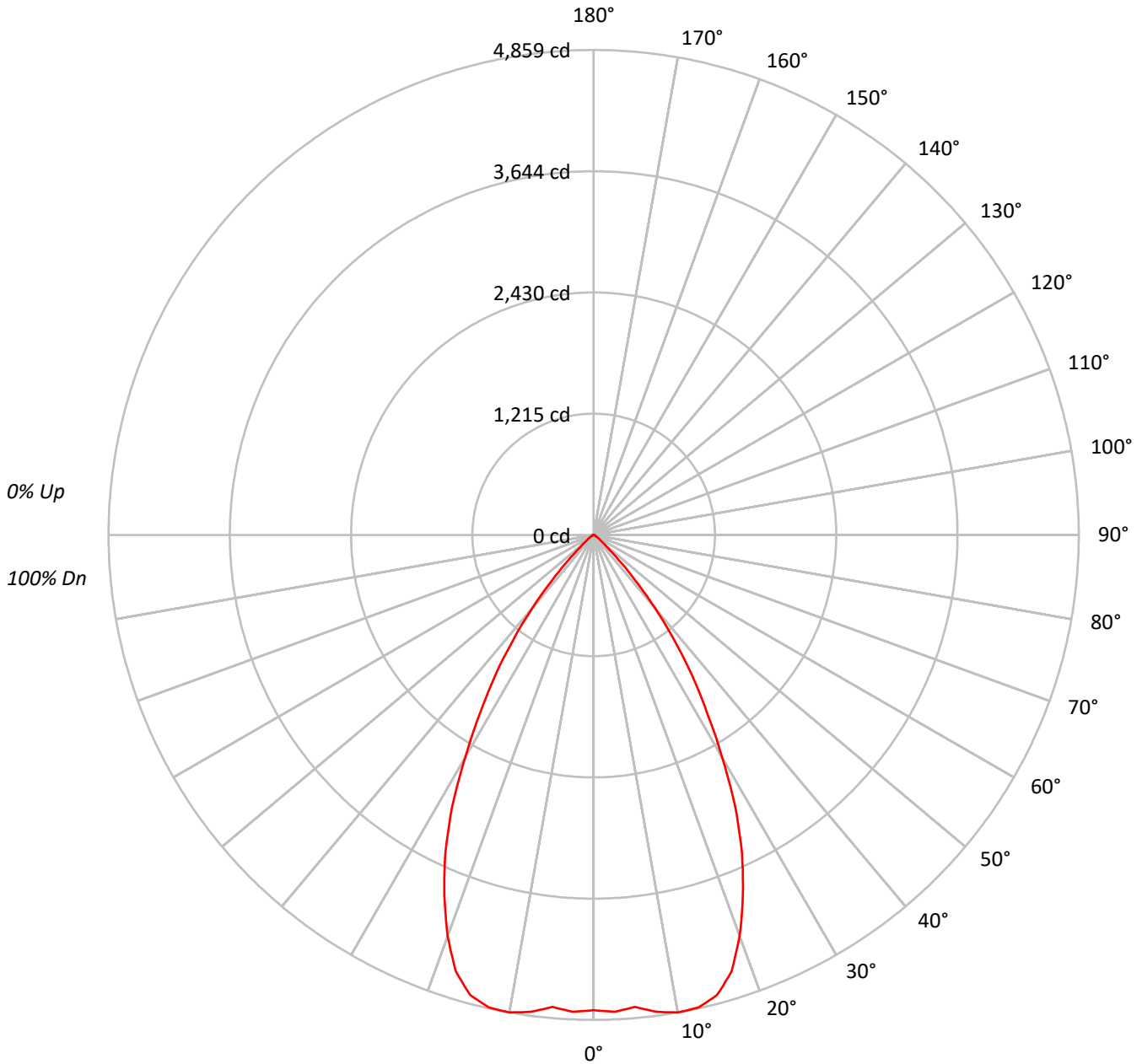
Lumens per Lamp: N/A
Luminaire Lumens: 4836.4 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

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		
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93	
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87	
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80	
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75	
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69	
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65	
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60	
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57	
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53	
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	520278
5°	520708
10°	539044
15°	539932
20°	497101
25°	423549
30°	324240
35°	229072
40°	135213
45°	54900
50°	19905
55°	11087
60°	6359
65°	3490
70°	3674
75°	2871
80°	2957
85°	2507

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 54900 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	458.5	9.5
10°-20°	1322.6	27.3
20°-30°	1586.9	32.8
30°-40°	1066.4	22.1
40°-50°	319.3	6.6
50°-60°	56.4	1.2
60°-70°	16.0	0.3
70°-80°	7.9	0.2
80°-90°	2.5	0.1
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°	3368.0	69.6
0°-40°	4434.5	91.7
0°-60°	4810.1	99.5
0°-90°	4836.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4836.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4762	
5°	4748	459
15°	4773	1323
25°	3513	1587
35°	1717	1066
45°	355	319
55°	58	56
65°	14	16
75°	7	8
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4761.8
2.5°	4782.1
5°	4747.6
7.5°	4819.3
10°	4858.6
12.5°	4849.1
15°	4773.3
17.5°	4587.9
20°	4275.3
22.5°	3907.2
25°	3513.3
27.5°	3068.7
30°	2570.0
32.5°	2118.0
35°	1717.4
37.5°	1321.6
40°	948.0
42.5°	619.2
45°	355.3
47.5°	188.1
50°	117.1
52.5°	81.2
55°	58.2
57.5°	42.0
60°	29.1
62.5°	18.9
65°	13.5
67.5°	12.2
70°	11.5
72.5°	8.8
75°	6.8
77.5°	6.1
80°	4.7
82.5°	3.4
85°	2.0
87.5°	1.4
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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