

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: P767759

Luminaire Tested: LD6D50D010-EU6DR6540509040-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P767759
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-EU6DR6540509040-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

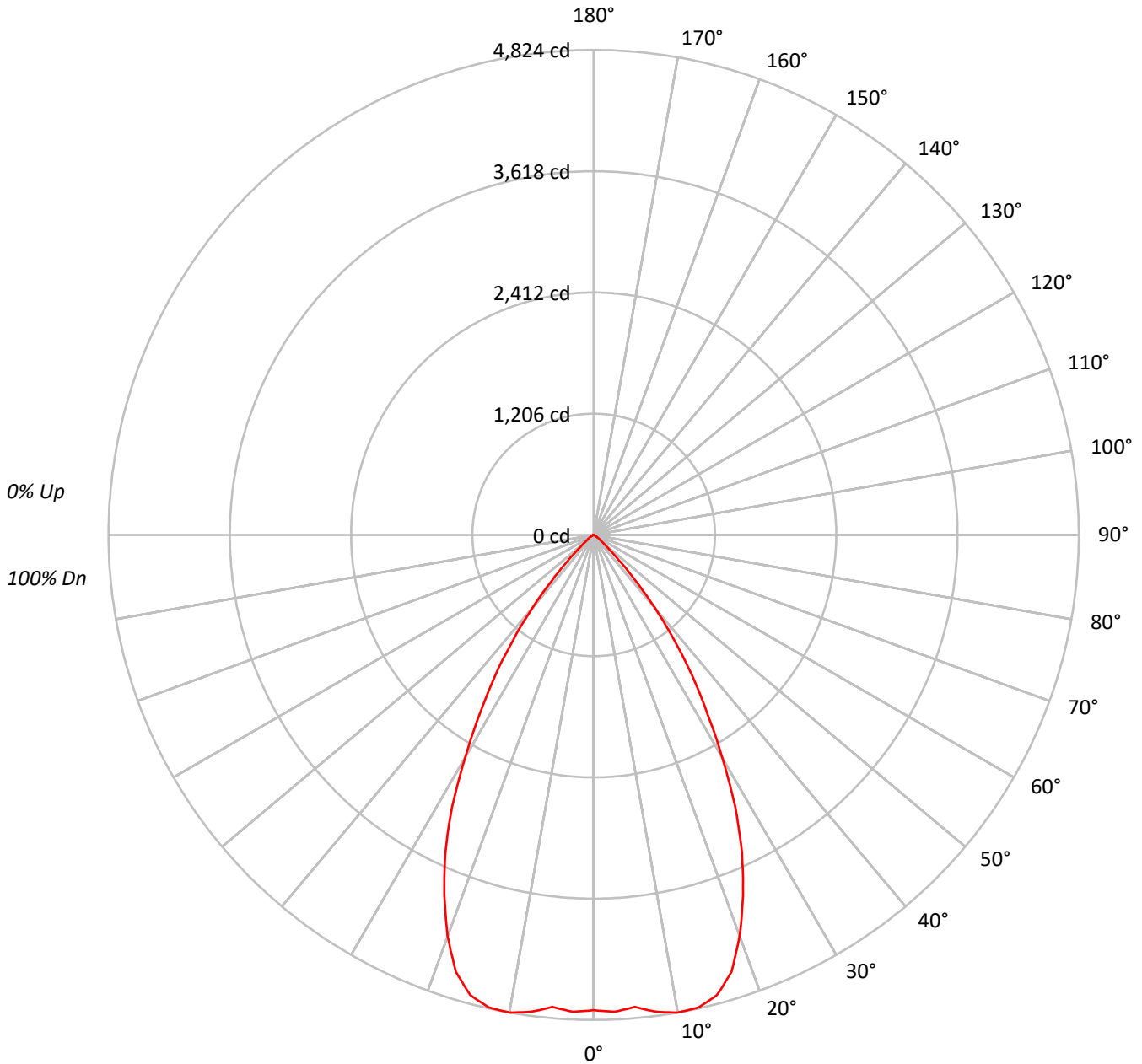
Lumens per Lamp: N/A
Luminaire Lumens: 4802.1 lumens
Efficiency: N/A
Efficacy: 102.2 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

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



TEST NUMBER: P767759
CATALOG NUMBER: LD6D50D010-EU6DR6540509040-6LBSQW1MW

Luminous Intensity Polar Plot





TEST NUMBER: P767759

CATALOG NUMBER: LD6D50D010-EU6DR6540509040-6LBSQW1MW

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	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°	516585
5°	517012
10°	535216
15°	536109
20°	493578
25°	420547
30°	321944
35°	227444
40°	134257
45°	54499
50°	19752
55°	11010
60°	6315
65°	3464
70°	3642
75°	2828
80°	2957
85°	2507

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 54499 cd/sqm



TEST NUMBER: P767759

CATALOG NUMBER: LD6D50D010-EU6DR6540509040-6LBSQW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	455.3	9.5
10°-20°	1313.3	27.3
20°-30°	1575.6	32.8
30°-40°	1058.9	22.1
40°-50°	317.0	6.6
50°-60°	55.9	1.2
60°-70°	15.9	0.3
70°-80°	7.8	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°	3344.2	69.6
0°-40°	4403.0	91.7
0°-60°	4776.0	99.5
0°-90°	4802.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4802.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4728	
5°	4714	455
15°	4740	1313
25°	3488	1576
35°	1705	1059
45°	353	317
55°	58	56
65°	13	16
75°	7	8
85°	2	2
90°	0	



TEST NUMBER: P767759

CATALOG NUMBER: LD6D50D010-EU6DR6540509040-6LBSQW1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	4728.0
2.5°	4748.2
5°	4713.9
7.5°	4785.1
10°	4824.1
12.5°	4814.7
15°	4739.5
17.5°	4555.4
20°	4245.0
22.5°	3879.4
25°	3488.4
27.5°	3047.0
30°	2551.8
32.5°	2103.0
35°	1705.2
37.5°	1312.2
40°	941.3
42.5°	614.8
45°	352.7
47.5°	186.8
50°	116.2
52.5°	80.6
55°	57.8
57.5°	41.7
60°	28.9
62.5°	18.8
65°	13.4
67.5°	12.1
70°	11.4
72.5°	8.7
75°	6.7
77.5°	6.0
80°	4.7
82.5°	3.4
85°	2.0
87.5°	1.3
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

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



— 0°-180°

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)