

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: P766915

Luminaire Tested: LD6D45BD010-EU6DR6540509024-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P766915
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D45BD010-EU6DR6540509024-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3697.6 lumens
Efficiency: N/A
Efficacy: 95.5 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

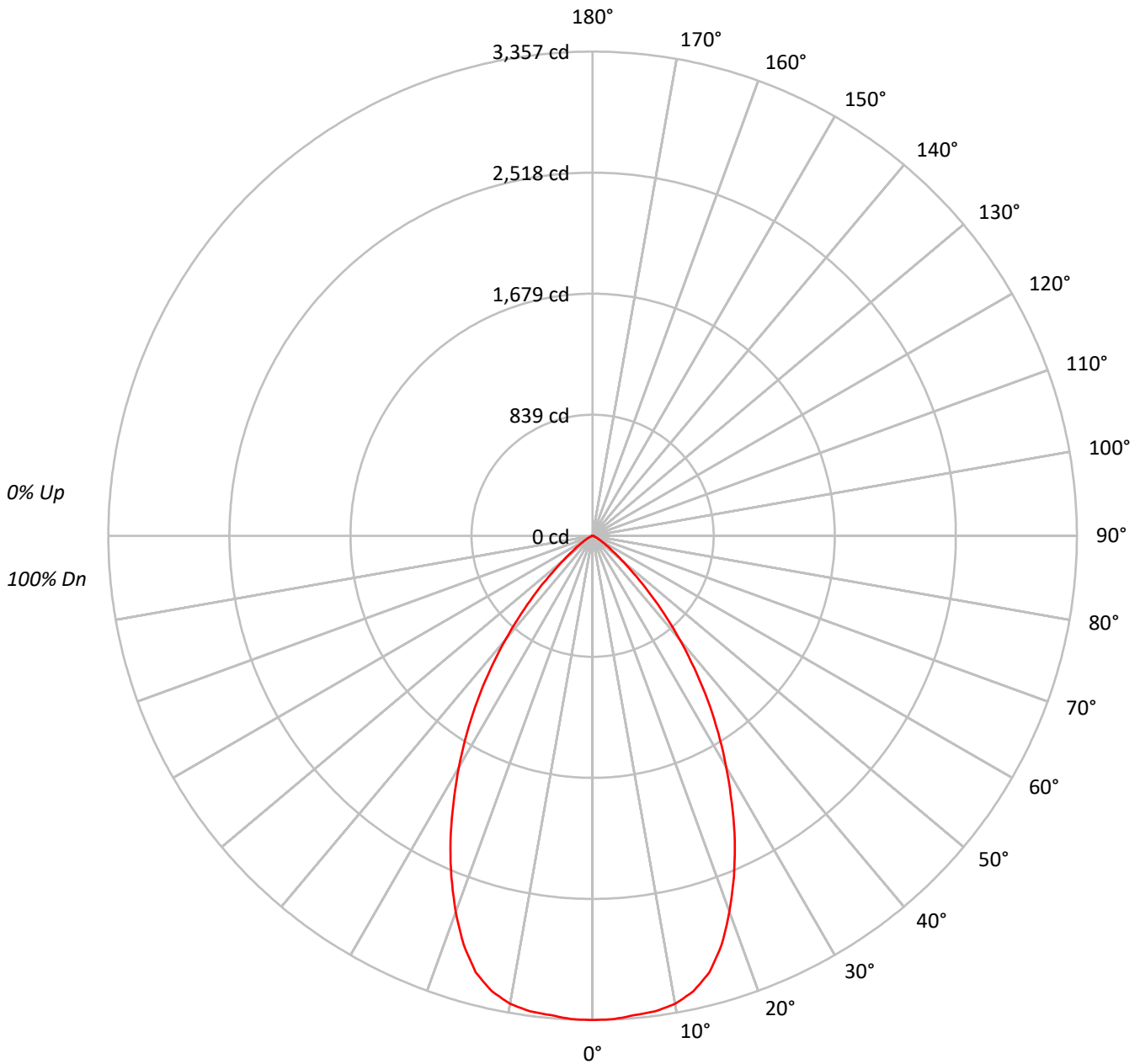
Input Watts (W): 38.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P766915

CATALOG NUMBER: LD6D45BD010-EU6DR6540509024-6LBCSSQMB

Luminous Intensity Polar Plot





TEST NUMBER: P766915

CATALOG NUMBER: LD6D45BD010-EU6DR6540509024-6LBCSSQMB

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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93		
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85		
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78		
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72		
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66		
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61		
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56		
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52		
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49		
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	196079
5°	195585
10°	195415
15°	189392
20°	172416
25°	150252
30°	124964
35°	99019
40°	71468
45°	45147
50°	23533
55°	12504
60°	6565
65°	3607
70°	1520
75°	1670
80°	1177
85°	1005

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 45147 cd/sqm



TEST NUMBER: P766915

CATALOG NUMBER: LD6D45BD010-EU6DR6540509024-6LBCSSQMB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	317.5	8.6
10°-20°	869.4	23.5
20°-30°	1062.7	28.7
30°-40°	862.3	23.3
40°-50°	429.7	11.6
50°-60°	119.8	3.2
60°-70°	27.2	0.7
70°-80°	7.1	0.2
80°-90°	1.8	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°	2249.6	60.8
0°-40°	3111.9	84.2
0°-60°	3661.4	99.0
0°-90°	3697.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3697.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3357	
5°	3336	317
15°	3132	869
25°	2332	1063
35°	1389	862
45°	547	430
55°	123	120
65°	26	27
75°	7	7
85°	2	2
90°	0	



TEST NUMBER: P766915

CATALOG NUMBER: LD6D45BD010-EU6DR6540509024-6LBCSSQMB

CANDELA DISTRIBUTION (FULL):

	0°
0°	3357.3
2.5°	3354.8
5°	3336.1
7.5°	3325.2
10°	3295.1
12.5°	3234.0
15°	3132.3
17.5°	2973.5
20°	2774.1
22.5°	2559.0
25°	2331.6
27.5°	2088.4
30°	1853.0
32.5°	1620.7
35°	1388.8
37.5°	1157.4
40°	937.4
42.5°	731.2
45°	546.6
47.5°	380.9
50°	259.0
52.5°	178.6
55°	122.8
57.5°	82.9
60°	56.2
62.5°	39.0
65°	26.1
67.5°	13.3
70°	8.9
72.5°	8.4
75°	7.4
77.5°	4.9
80°	3.5
82.5°	2.5
85°	1.5
87.5°	1.0
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)