

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: P766980

Luminaire Tested: LD6D45BD010-EU6DR6540509050-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P766980
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-EU6DR6540509050-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4597.0 lumens
Efficiency: N/A
Efficacy: 118.8 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

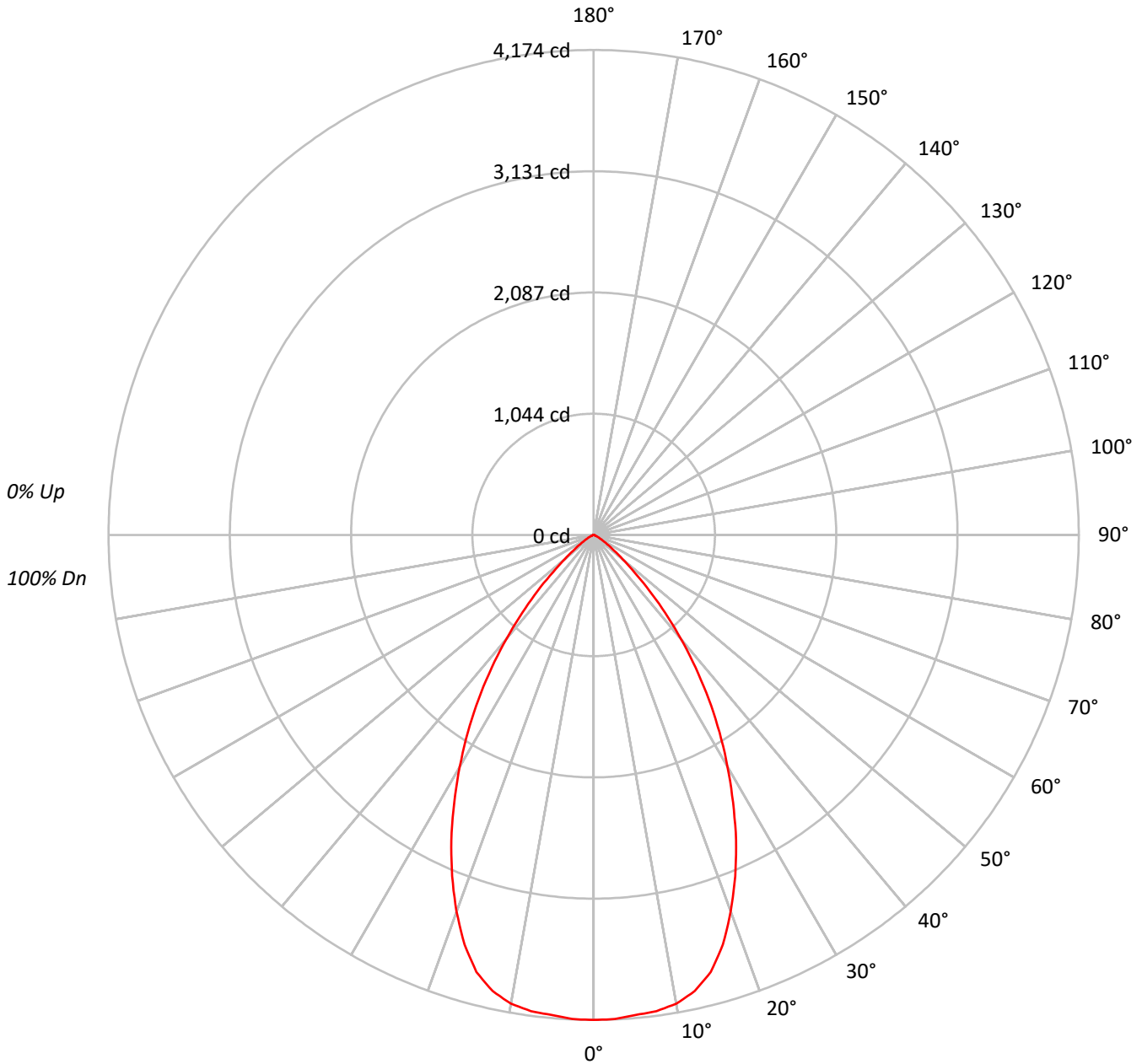
Input Watts (W): 38.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	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°	243778
5°	243161
10°	242954
15°	235465
20°	214363
25°	186803
30°	155366
35°	123103
40°	88851
45°	56132
50°	29257
55°	15549
60°	8165
65°	4491
70°	1878
75°	2076
80°	1446
85°	1206

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 56132 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	394.7	8.6
10°-20°	1080.9	23.5
20°-30°	1321.2	28.7
30°-40°	1072.0	23.3
40°-50°	534.2	11.6
50°-60°	149.0	3.2
60°-70°	33.9	0.7
70°-80°	8.8	0.2
80°-90°	2.2	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°	2796.9	60.8
0°-40°	3868.9	84.2
0°-60°	4552.1	99.0
0°-90°	4597.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4597.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4174	
5°	4148	395
15°	3894	1081
25°	2899	1321
35°	1727	1072
45°	680	534
55°	153	149
65°	32	34
75°	9	9
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4174.0
2.5°	4170.9
5°	4147.6
7.5°	4134.1
10°	4096.7
12.5°	4020.6
15°	3894.3
17.5°	3696.8
20°	3449.0
22.5°	3181.5
25°	2898.8
27.5°	2596.4
30°	2303.8
32.5°	2014.9
35°	1726.6
37.5°	1439.0
40°	1165.4
42.5°	909.0
45°	679.6
47.5°	473.5
50°	322.0
52.5°	222.0
55°	152.7
57.5°	103.0
60°	69.9
62.5°	48.5
65°	32.5
67.5°	16.6
70°	11.0
72.5°	10.4
75°	9.2
77.5°	6.1
80°	4.3
82.5°	3.1
85°	1.8
87.5°	1.2
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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