

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: P768482

Luminaire Tested: LD6D55D010-EU6DR6555659024-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P768482
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: LD6D55D010-EU6DR6555659024-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4778.1 lumens
Efficiency: N/A
Efficacy: 82.1 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

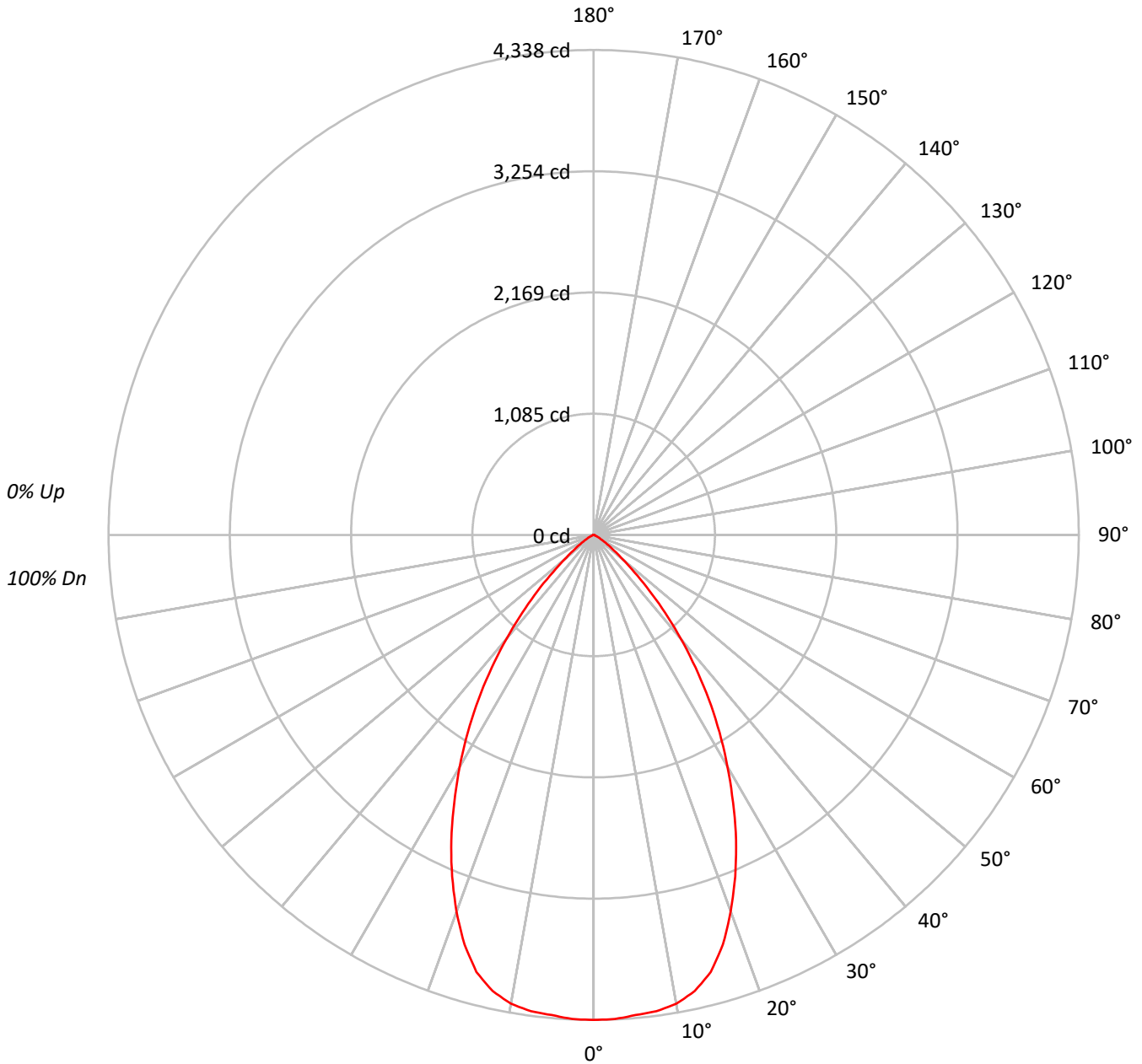
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	253374
5°	252735
10°	252520
15°	244735
20°	222803
25°	194156
30°	161483
35°	127951
40°	92351
45°	58345
50°	30411
55°	16159
60°	8492
65°	4671
70°	1964
75°	2166
80°	1514
85°	1273

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 58345 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	410.3	8.6
10°-20°	1123.5	23.5
20°-30°	1373.3	28.7
30°-40°	1114.2	23.3
40°-50°	555.3	11.6
50°-60°	154.9	3.2
60°-70°	35.2	0.7
70°-80°	9.2	0.2
80°-90°	2.4	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°	2907.0	60.8
0°-40°	4021.2	84.2
0°-60°	4731.3	99.0
0°-90°	4778.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4778.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4338	
5°	4311	410
15°	4048	1123
25°	3013	1373
35°	1795	1114
45°	706	555
55°	159	155
65°	34	35
75°	10	9
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4338.3
2.5°	4335.1
5°	4310.9
7.5°	4296.9
10°	4258.0
12.5°	4178.9
15°	4047.6
17.5°	3842.3
20°	3584.8
22.5°	3306.8
25°	3012.9
27.5°	2698.6
30°	2394.5
32.5°	2094.2
35°	1794.6
37.5°	1495.6
40°	1211.3
42.5°	944.8
45°	706.4
47.5°	492.2
50°	334.7
52.5°	230.8
55°	158.7
57.5°	107.1
60°	72.7
62.5°	50.4
65°	33.8
67.5°	17.2
70°	11.5
72.5°	10.8
75°	9.6
77.5°	6.4
80°	4.5
82.5°	3.2
85°	1.9
87.5°	1.3
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)