

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: P749809

Luminaire Tested: LD4D55D010-EU4DR2555659027-4LBS1LI

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P749809
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D55D010-EU4DR2555659027-4LBS1LI
Description: 4 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 25° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5244.9 lumens
Efficiency: N/A
Efficacy: 90.1 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.45
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

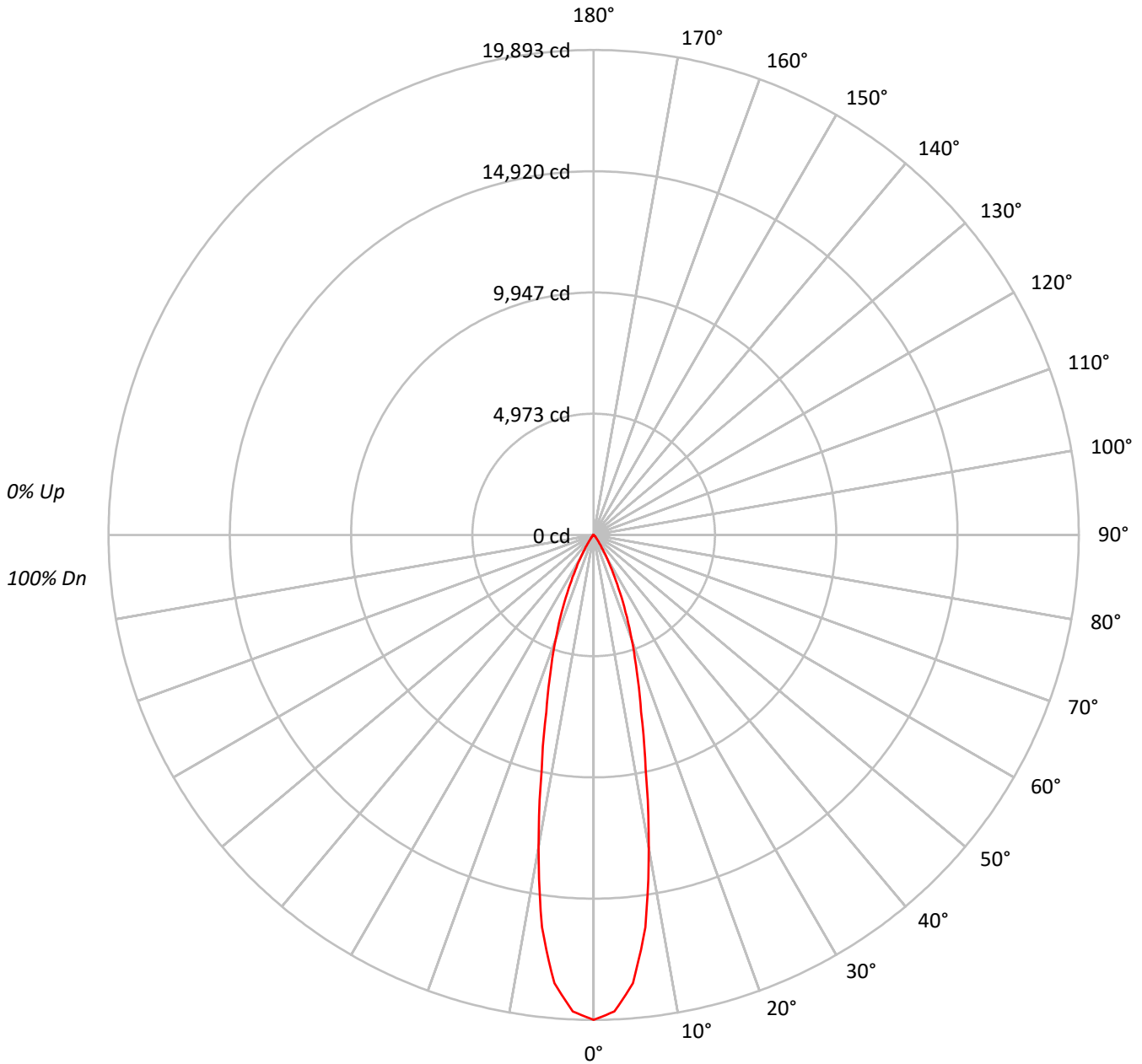
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	115	113	111	109	112	110	109	107	106	105	104		103	102	101		99	99	98	96
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		97	95	94	92
3	107	102	98	95	105	101	97	94	98	95	93		96	93	91		94	92	90	89
4	103	97	93	90	102	96	93	90	94	91	89		93	90	88		91	89	87	85
5	100	93	89	86	98	93	89	86	91	87	85		89	86	84		88	85	83	82
6	97	90	85	82	95	89	85	82	88	84	81		87	83	81		85	83	80	79
7	93	87	82	79	92	86	82	79	85	81	78		84	80	78		83	80	78	77
8	91	84	79	76	90	83	79	76	82	78	76		81	78	75		80	77	75	74
9	88	81	76	73	87	80	76	73	80	76	73		79	75	73		78	75	73	72
10	85	78	74	71	85	78	74	71	77	73	71		76	73	71		76	73	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2173524
5°	2024362
10°	1444032
15°	850478
20°	529181
25°	290419
30°	132812
35°	50299
40°	22778
45°	13690
50°	5677
55°	3657
60°	2557
65°	1732
70°	256
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 13690 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1586.3	30.2
10°-20°	2148.5	41.0
20°-30°	1136.9	21.7
30°-40°	280.7	5.4
40°-50°	68.5	1.3
50°-60°	18.0	0.3
60°-70°	6.0	0.1
70°-80°	0.1	0.0
80°-90°	0.0	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°	4871.7	92.9
0°-40°	5152.3	98.2
0°-60°	5238.8	99.9
0°-90°	5244.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5244.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19893	
5°	18457	###
15°	7519	2148
25°	2409	1137
35°	377	281
45°	89	68
55°	19	18
65°	7	6
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	19893.0
2.5°	19566.1
5°	18457.3
7.5°	16229.8
10°	13015.6
12.5°	9839.1
15°	7518.7
17.5°	5859.8
20°	4551.2
22.5°	3413.2
25°	2409.0
27.5°	1615.5
30°	1052.7
32.5°	640.5
35°	377.1
37.5°	230.8
40°	159.7
42.5°	122.1
45°	88.6
47.5°	53.5
50°	33.4
52.5°	24.2
55°	19.2
57.5°	15.1
60°	11.7
62.5°	9.2
65°	6.7
67.5°	2.5
70°	0.8
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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)