

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: P750420

Luminaire Tested: LD4D55D010-EU4DR6555659024-4LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P750420
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: LD4D55D010-EU4DR6555659024-4LBS1LI
Description: 4 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4540.7 lumens
Efficiency: N/A
Efficacy: 78.0 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

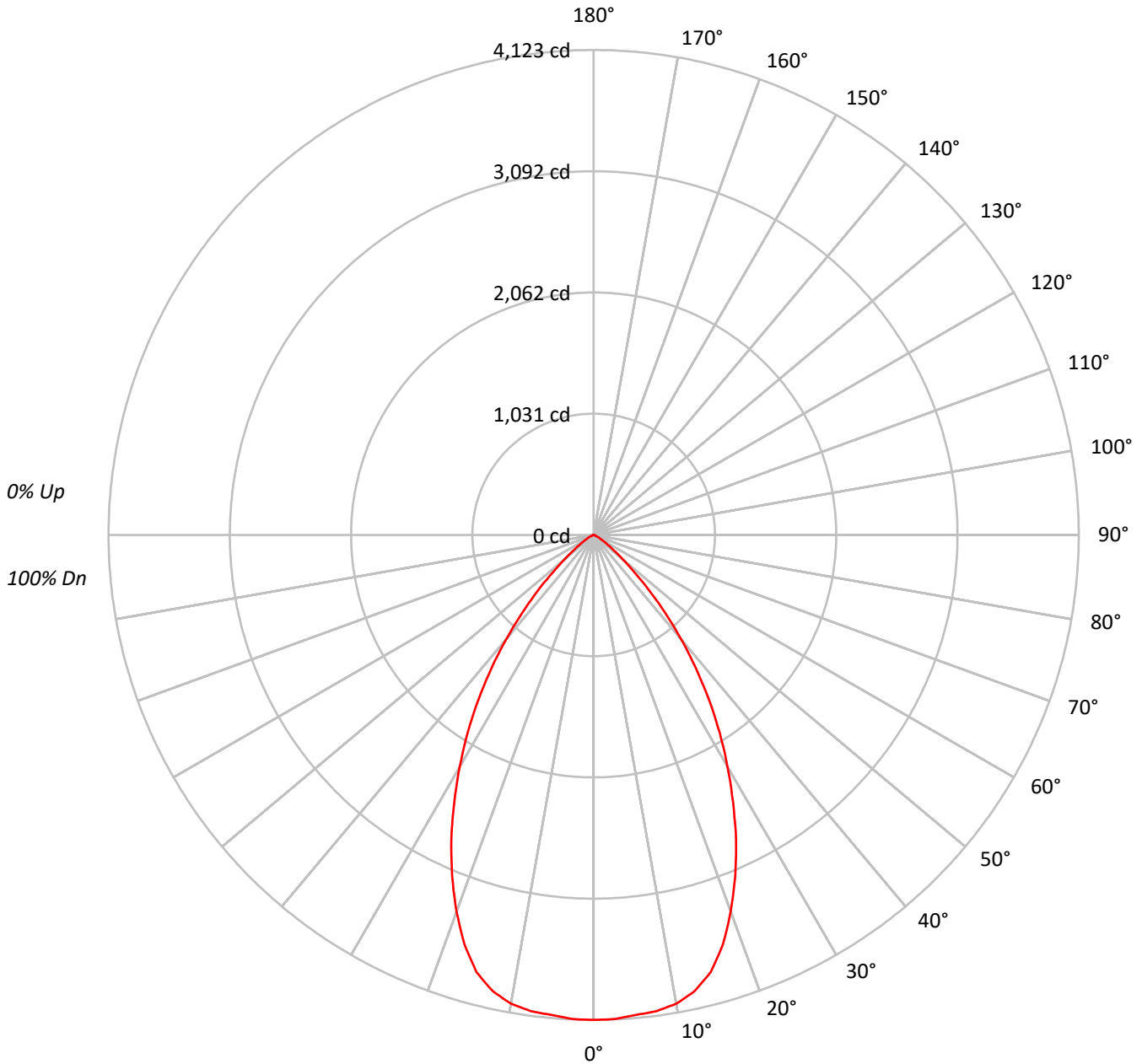
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	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°	240793
5°	240183
10°	239977
15°	232581
20°	211734
25°	184515
30°	153464
35°	121599
40°	87761
45°	55446
50°	28903
55°	15365
60°	8071
65°	4436
70°	1861
75°	2053
80°	1413
85°	1206

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 55446 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	389.9	8.6
10°-20°	1067.7	23.5
20°-30°	1305.1	28.7
30°-40°	1058.9	23.3
40°-50°	527.7	11.6
50°-60°	147.2	3.2
60°-70°	33.5	0.7
70°-80°	8.7	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°	2762.6	60.8
0°-40°	3821.5	84.2
0°-60°	4496.4	99.0
0°-90°	4540.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4540.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4123	
5°	4097	390
15°	3847	1068
25°	2863	1305
35°	1706	1059
45°	671	528
55°	151	147
65°	32	33
75°	9	9
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4122.9
2.5°	4119.8
5°	4096.8
7.5°	4083.5
10°	4046.5
12.5°	3971.4
15°	3846.6
17.5°	3651.5
20°	3406.7
22.5°	3142.6
25°	2863.3
27.5°	2564.6
30°	2275.6
32.5°	1990.2
35°	1705.5
37.5°	1421.3
40°	1151.1
42.5°	897.9
45°	671.3
47.5°	467.7
50°	318.1
52.5°	219.3
55°	150.9
57.5°	101.8
60°	69.1
62.5°	47.9
65°	32.1
67.5°	16.4
70°	10.9
72.5°	10.3
75°	9.1
77.5°	6.1
80°	4.2
82.5°	3.0
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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