

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: P1320151

Luminaire Tested: LDSQA3D13R459840DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320151
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R459840DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

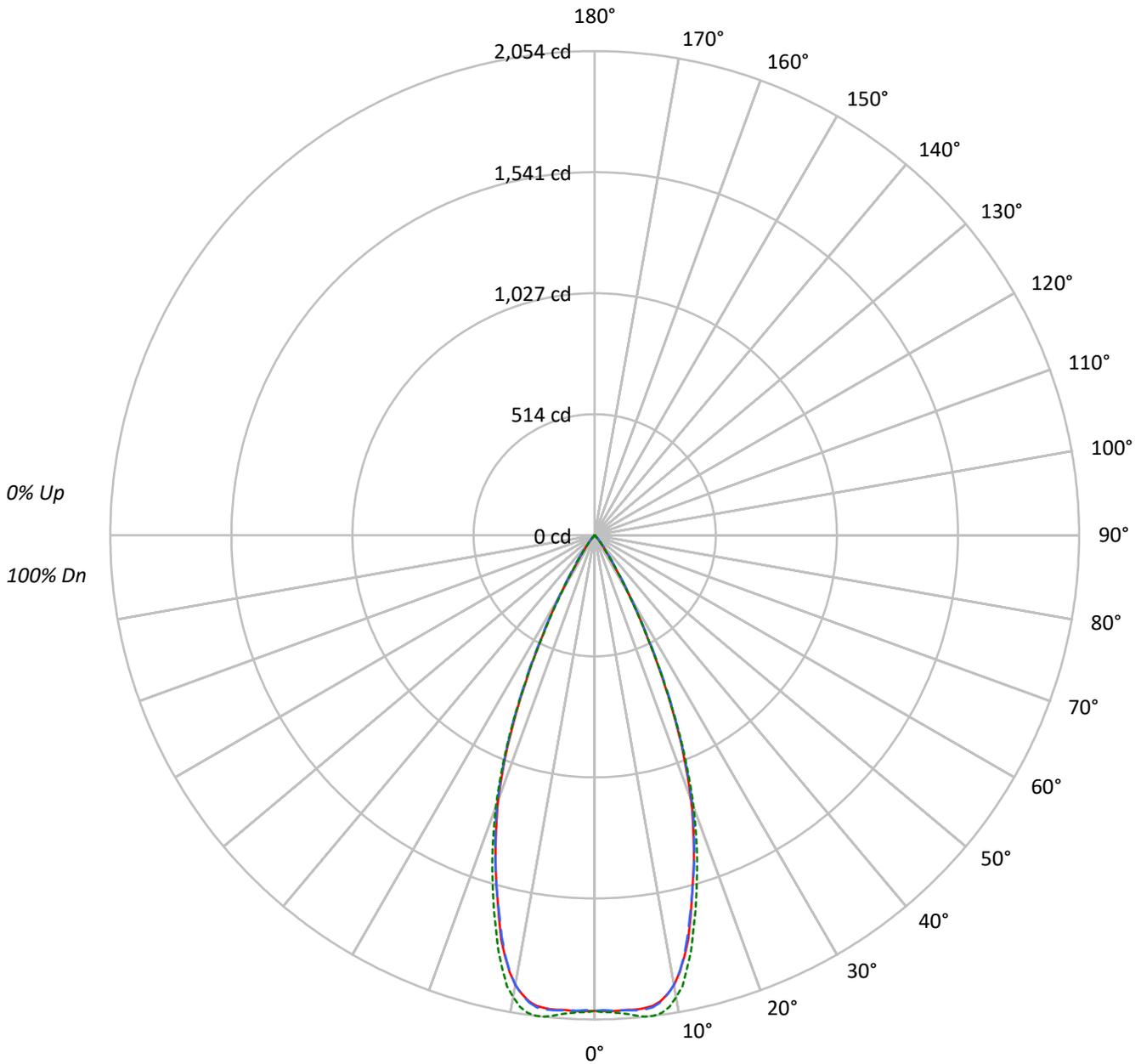
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1044.0 lumens
Efficiency: N/A
Efficacy: 72.0 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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

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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270°



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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	102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	88	88	88	86
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	84	84	84	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	80	80	80	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	76	76	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	73	73	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	70	70	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	70	67	67	67	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	64	64	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	347408	347408	347408
5°	349132	349789	353783
10°	338759	338497	347905
15°	283904	283779	294192
20°	219472	221727	224842
25°	134539	137332	134843
30°	57691	60296	55861
35°	18123	21844	17640
40°	6228	7959	6048
45°	1120	3385	926
50°	616	1232	616
55°	691	691	691
60°	517	517	517
65°	611	611	611
70°	403	403	403
75°	532	532	532
80°	793	793	793
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 3385 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.7	18.4
10°-20°	443.0	42.4
20°-30°	324.4	31.1
30°-40°	71.7	6.9
40°-50°	8.8	0.8
50°-60°	2.1	0.2
60°-70°	1.4	0.1
70°-80°	0.9	0.1
80°-90°	0.1	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°	959.1	91.9
0°-40°	1030.7	98.7
0°-60°	1041.6	99.8
0°-90°	1044.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1044.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2017	2017	2017	2017	2017	
5°	2020	2018	2023	2038	2046	191
15°	1592	1584	1592	1630	1650	439
25°	708	707	723	717	710	321
35°	86	91	104	91	84	68
45°	5	8	14	8	4	6
55°	2	2	2	2	2	2
65°	2	2	2	2	2	1
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2017.2	2017.2	2017.2	2017.2	2017.2
1°	2018.7	2015.6	2014.8	2020.2	2024.1
2°	2020.2	2016.4	2017.2	2022.5	2024.8
3°	2018.7	2014.8	2018.7	2026.4	2029.5
4°	2017.9	2016.4	2020.2	2031.0	2036.4
5°	2019.5	2017.9	2023.3	2037.9	2046.4
6°	2017.2	2014.8	2022.5	2041.0	2053.3
7°	2011.8	2009.5	2017.9	2040.2	2054.1
8°	1997.1	1992.5	2001.0	2028.7	2045.6
9°	1971.0	1964.8	1973.3	2005.6	2025.6
10°	1937.1	1930.2	1935.6	1967.1	1989.4
11°	1888.6	1879.4	1885.5	1919.4	1948.7
12°	1827.1	1814.0	1821.7	1860.1	1880.9
13°	1760.1	1747.8	1749.3	1784.0	1813.2
14°	1677.0	1660.8	1667.7	1703.9	1727.0
15°	1592.3	1583.9	1591.6	1630.0	1650.0
17.5°	1398.4	1397.6	1404.5	1433.0	1443.8
20°	1197.5	1199.8	1209.8	1225.2	1226.8
22.5°	959.7	960.5	971.2	982.0	979.7
25°	708.0	707.3	722.7	717.3	709.6
27.5°	469.5	472.5	486.4	476.4	468.7
30°	290.1	296.3	303.2	290.9	280.9
32.5°	157.0	167.0	177.0	166.2	156.2
35°	86.2	90.8	103.9	90.8	83.9
37.5°	50.0	52.3	60.8	52.3	47.7
40°	27.7	31.6	35.4	31.6	26.9
42.5°	11.5	17.7	21.5	17.7	11.5
45°	4.6	7.7	13.9	7.7	3.8
47.5°	2.3	3.1	8.5	3.1	2.3
50°	2.3	2.3	4.6	2.3	2.3
52.5°	2.3	2.3	2.3	2.3	2.3
55°	2.3	2.3	2.3	2.3	2.3
57.5°	2.3	2.3	2.3	2.3	2.3
60°	1.5	1.5	1.5	2.3	1.5
62.5°	1.5	1.5	1.5	1.5	1.5
65°	1.5	1.5	1.5	1.5	1.5
67.5°	1.5	1.5	1.5	1.5	1.5
70°	0.8	0.8	0.8	1.5	0.8
72.5°	0.8	0.8	0.8	0.8	0.8
75°	0.8	0.8	0.8	0.8	0.8
77.5°	0.8	0.8	0.8	0.8	0.8
80°	0.8	0.8	0.8	0.8	0.8
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)