

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: P1320160

Luminaire Tested: LDSQA3D13R509840DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320160
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R509840DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

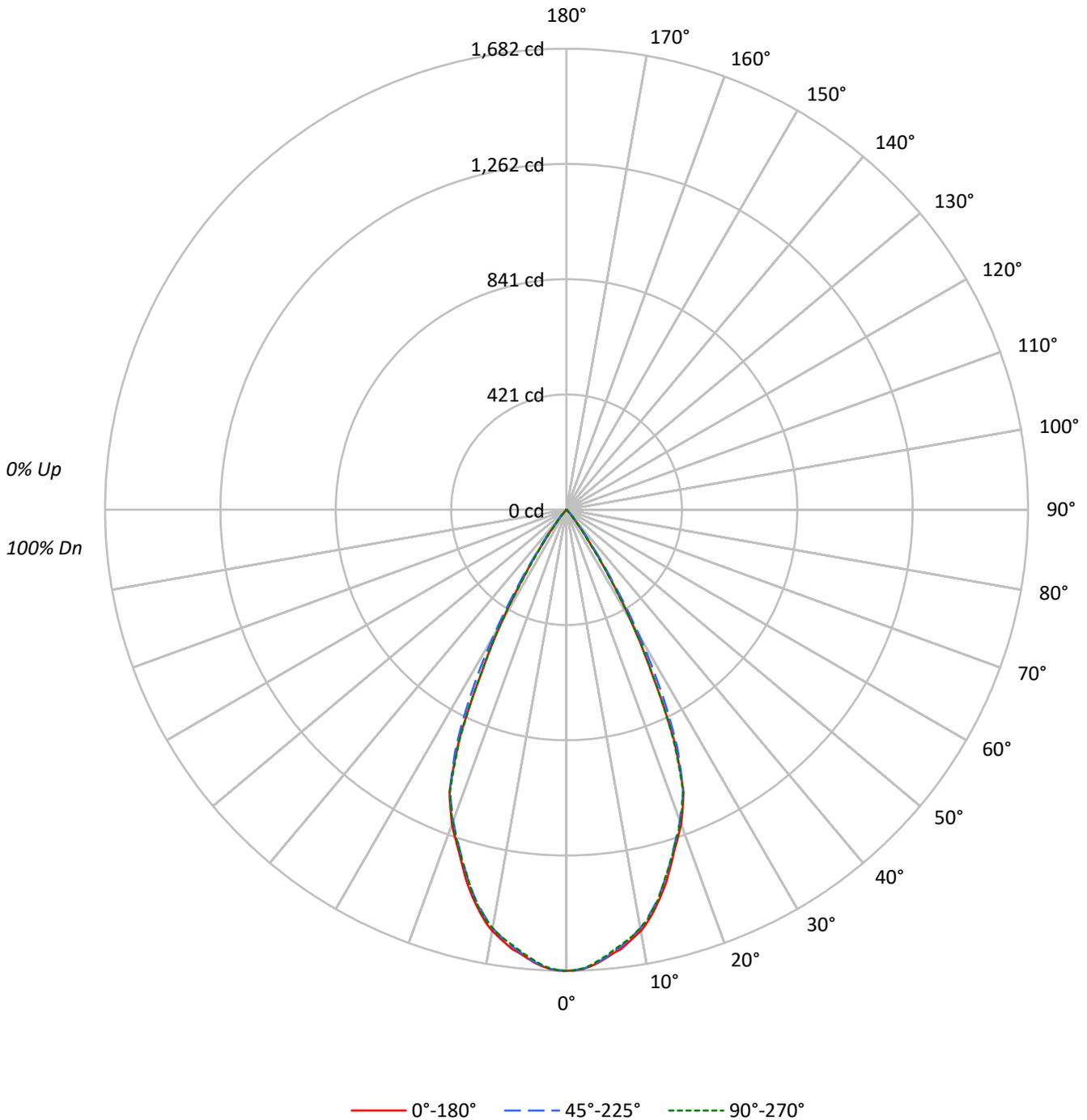
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1084.0 lumens
Efficiency: N/A
Efficacy: 74.8 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
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





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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	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	91	90
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	86	86	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	81	81	81	81	80
5	96	88	83	79	94	88	83	79	86	82	78	84	81	78	83	80	77	77	77	77	76
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	73	72
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	69	69	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	66	66	66	65
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	63	63	63	62
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	289696	289696	289696
5°	284008	283472	282677
10°	272899	271011	271151
15°	250527	248191	247906
20°	223816	221415	222533
25°	175908	181019	174444
30°	94103	105439	94421
35°	30738	35910	28951
40°	7621	9510	7262
45°	926	3385	926
50°	616	1018	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°	153.8	14.2
10°-20°	389.0	35.9
20°-30°	409.1	37.7
30°-40°	117.9	10.9
40°-50°	9.6	0.9
50°-60°	2.1	0.2
60°-70°	1.4	0.1
70°-80°	0.8	0.1
80°-90°	0.2	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°	952.0	87.8
0°-40°	1069.9	98.7
0°-60°	1081.5	99.8
0°-90°	1084.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1084.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1682	1682	1682	1682	1682	
5°	1643	1642	1640	1641	1635	154
15°	1405	1396	1392	1392	1390	391
25°	926	949	953	942	918	401
35°	146	152	171	146	138	113
45°	4	8	14	8	4	7
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°	1682.1	1682.1	1682.1	1682.1	1682.1
1°	1681.3	1682.8	1679.8	1685.1	1680.5
2°	1677.5	1678.2	1676.7	1680.5	1674.4
3°	1668.2	1669.8	1666.7	1669.8	1664.4
4°	1657.4	1657.4	1654.4	1656.7	1649.8
5°	1642.8	1642.1	1639.7	1641.3	1635.1
6°	1627.4	1626.7	1622.8	1622.8	1618.2
7°	1615.9	1610.5	1607.4	1606.7	1602.0
8°	1597.4	1595.9	1589.7	1589.7	1586.7
9°	1579.0	1577.4	1570.5	1572.0	1569.7
10°	1560.5	1555.1	1549.7	1550.5	1550.5
11°	1535.9	1531.3	1523.6	1526.6	1528.2
12°	1506.6	1501.2	1494.3	1500.5	1499.7
13°	1474.3	1469.7	1464.3	1468.9	1467.4
14°	1440.5	1433.5	1428.9	1432.0	1430.5
15°	1405.1	1395.8	1392.0	1392.0	1390.4
17.5°	1305.8	1300.4	1296.6	1294.3	1299.6
20°	1221.2	1216.5	1208.1	1210.4	1214.2
22.5°	1115.0	1114.2	1109.6	1105.7	1110.4
25°	925.7	948.8	952.6	941.8	918.0
27.5°	672.5	726.4	745.6	720.2	676.4
30°	473.2	498.6	530.2	480.2	474.8
32.5°	285.5	292.4	321.6	287.0	279.3
35°	146.2	151.6	170.8	146.2	137.7
37.5°	68.5	71.6	79.3	68.5	63.9
40°	33.9	37.7	42.3	35.4	32.3
42.5°	14.6	19.2	24.6	18.5	13.1
45°	3.8	7.7	13.9	7.7	3.8
47.5°	2.3	3.1	7.7	3.1	2.3
50°	2.3	2.3	3.8	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	2.3	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	0.8	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	0.8	0.0	0.8	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)