

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: P1319284

Luminaire Tested: LDSQA3D13R509835DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319284
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: LDSQA3D13R509835DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

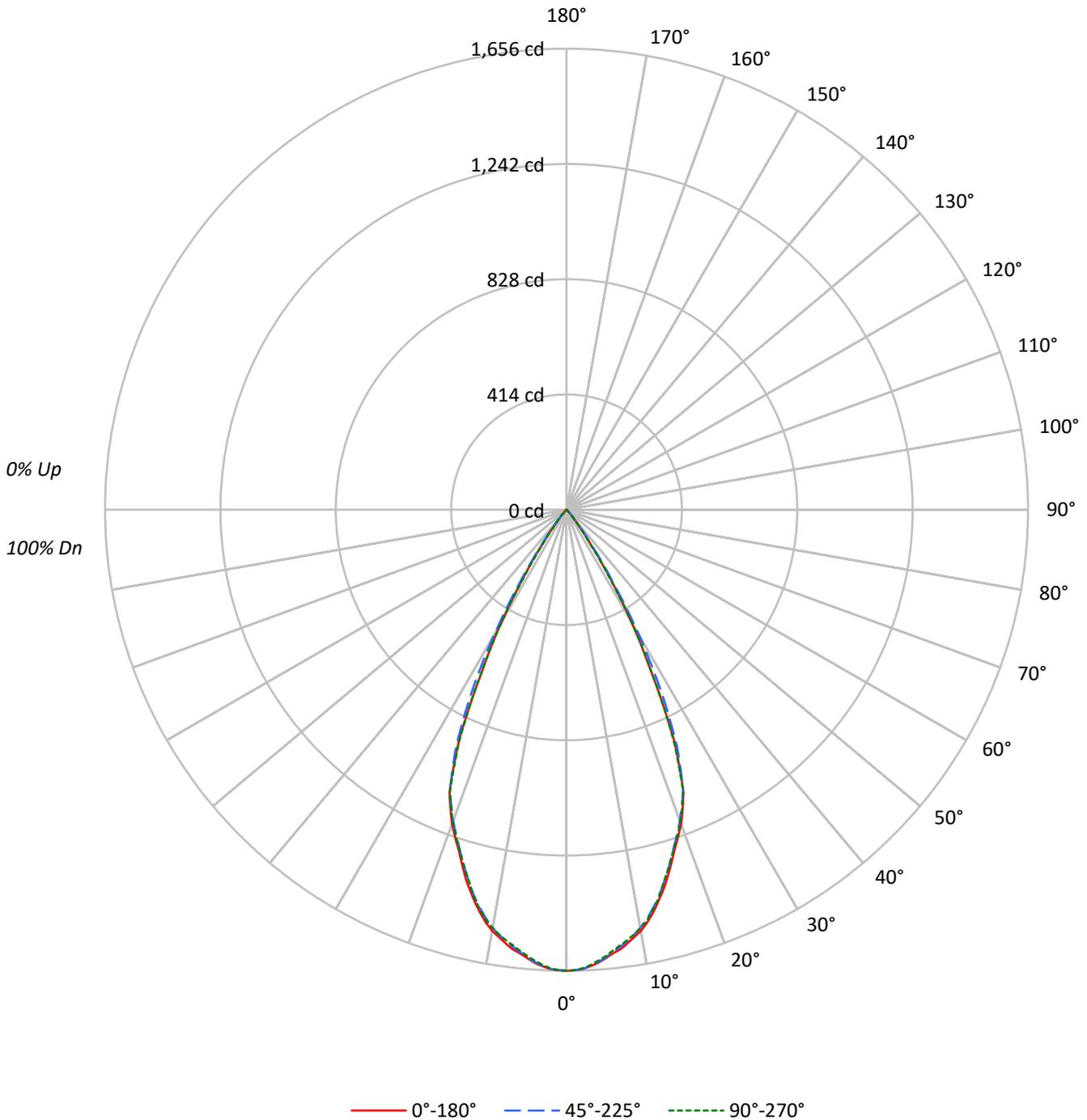
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1067.1 lumens
Efficiency: N/A
Efficacy: 73.6 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				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°	285149	285149	285149
5°	279565	279029	278251
10°	268615	266761	266901
15°	246586	244286	244019
20°	220297	217933	219051
25°	173152	178188	171708
30°	92632	103788	92930
35°	30254	35342	28509
40°	7487	9375	7149
45°	926	3312	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: 3312 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.4	14.2
10°-20°	382.9	35.9
20°-30°	402.7	37.7
30°-40°	116.1	10.9
40°-50°	9.4	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°	937.0	87.8
0°-40°	1053.1	98.7
0°-60°	1064.6	99.8
0°-90°	1067.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1067.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1656	1656	1656	1656	1656	
5°	1617	1616	1614	1616	1610	152
15°	1383	1374	1370	1370	1369	385
25°	911	934	938	927	904	395
35°	144	149	168	144	136	111
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°	1655.7	1655.7	1655.7	1655.7	1655.7
1°	1654.9	1656.4	1653.4	1658.7	1654.2
2°	1651.1	1651.9	1650.4	1654.2	1648.1
3°	1642.1	1643.6	1640.5	1643.6	1638.3
4°	1631.5	1631.5	1628.4	1630.7	1623.9
5°	1617.1	1616.3	1614.0	1615.5	1609.5
6°	1601.9	1601.2	1597.4	1597.4	1592.8
7°	1590.6	1585.3	1582.2	1581.5	1576.9
8°	1572.4	1570.9	1564.8	1564.8	1561.8
9°	1554.2	1552.7	1545.9	1547.4	1545.1
10°	1536.0	1530.7	1525.4	1526.2	1526.2
11°	1511.8	1507.2	1499.7	1502.7	1504.2
12°	1483.0	1477.7	1470.9	1476.9	1476.2
13°	1451.2	1446.6	1441.3	1445.9	1444.4
14°	1417.9	1411.0	1406.5	1409.5	1408.0
15°	1383.0	1373.9	1370.1	1370.1	1368.6
17.5°	1285.3	1280.0	1276.2	1274.0	1279.3
20°	1202.0	1197.5	1189.1	1191.4	1195.2
22.5°	1097.5	1096.7	1092.2	1088.4	1092.9
25°	911.2	933.9	937.7	927.1	903.6
27.5°	662.0	715.0	733.9	708.9	665.8
30°	465.8	490.8	521.9	472.6	467.3
32.5°	281.0	287.8	316.6	282.5	274.9
35°	143.9	149.2	168.1	143.9	135.6
37.5°	67.4	70.4	78.0	67.4	62.9
40°	33.3	37.1	41.7	34.8	31.8
42.5°	14.4	18.9	24.2	18.2	12.9
45°	3.8	7.6	13.6	7.6	3.8
47.5°	2.3	3.0	7.6	3.0	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)