

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: P1309307

Luminaire Tested: LDSQA3D13R559030DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309307
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R559030DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

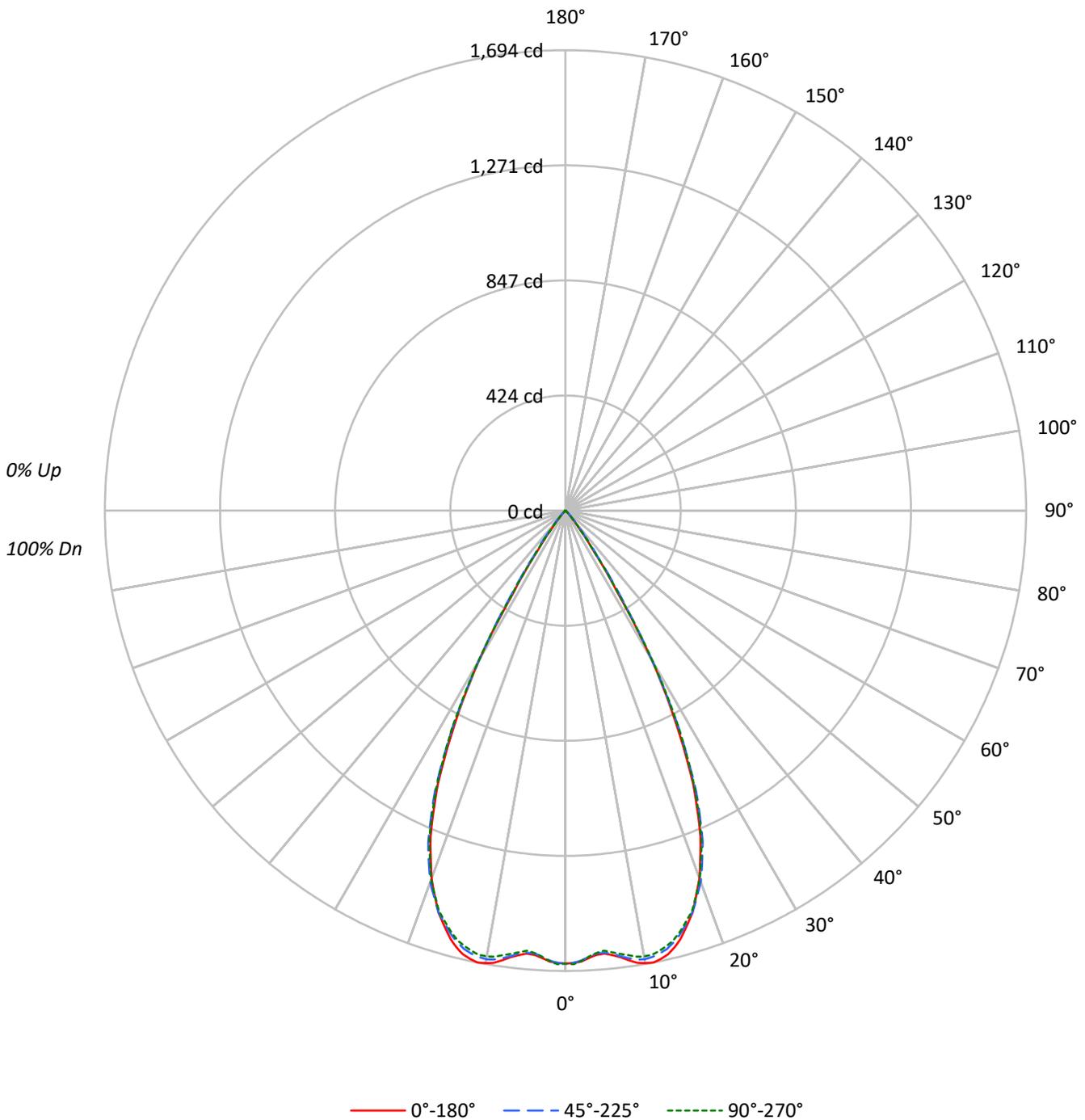
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1278.0 lumens
Efficiency: N/A
Efficacy: 87.5 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	111	109	107	112	109	107	105	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	92	91	91	91	91	89
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	88	86	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	81	81	81	79
5	95	88	82	79	94	87	82	78	85	81	78	83	80	77	82	79	76	76	76	76	75
6	91	83	78	74	90	82	77	74	81	76	73	79	76	73	78	75	72	72	72	72	71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	68	68	68	67
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	61	61	61	60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	58	58	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	287009	287009	287009
5°	282902	282400	281052
10°	295686	293150	291279
15°	291071	288486	287274
20°	263935	266611	264650
25°	211063	215490	213457
30°	126578	126578	128129
35°	36562	43310	37802
40°	10477	14209	10477
45°	2363	5456	2363
50°	1045	1822	777
55°	871	871	871
60°	999	999	999
65°	774	774	774
70°	957	957	957
75°	665	665	665
80°	992	992	992
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 5456 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.0	12.4
10°-20°	450.4	35.2
20°-30°	496.2	38.8
30°-40°	151.8	11.9
40°-50°	15.0	1.2
50°-60°	2.8	0.2
60°-70°	2.2	0.2
70°-80°	1.2	0.1
80°-90°	0.4	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°	1104.6	86.4
0°-40°	1256.4	98.3
0°-60°	1274.2	99.7
0°-90°	1278.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1278.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1666	1666	1666	1666	1666	
5°	1636	1636	1634	1629	1626	159
15°	1632	1630	1618	1611	1611	452
25°	1111	1121	1134	1145	1123	489
35°	174	183	206	190	180	143
45°	10	15	22	15	10	11
55°	3	3	3	3	3	3
65°	2	2	2	2	2	2
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°	1666.5	1666.5	1666.5	1666.5	1666.5
1°	1664.6	1665.6	1664.6	1662.7	1669.5
2°	1660.7	1659.7	1656.8	1655.9	1658.8
3°	1648.1	1648.1	1644.2	1642.3	1643.2
4°	1638.4	1638.4	1632.5	1630.6	1631.6
5°	1636.4	1636.4	1633.5	1628.6	1625.7
6°	1644.2	1646.1	1639.3	1634.5	1634.5
7°	1655.9	1656.8	1652.0	1645.2	1643.2
8°	1670.4	1671.4	1663.6	1655.9	1652.0
9°	1685.0	1683.1	1672.4	1664.6	1661.7
10°	1690.8	1689.9	1676.3	1668.5	1665.6
11°	1693.8	1688.9	1673.3	1666.5	1665.6
12°	1687.0	1683.1	1666.5	1659.7	1656.8
13°	1675.3	1669.5	1655.9	1649.1	1645.2
14°	1656.8	1651.0	1638.4	1630.6	1631.6
15°	1632.5	1629.6	1618.0	1611.2	1611.2
17.5°	1551.9	1553.8	1550.9	1548.0	1546.0
20°	1440.1	1447.9	1454.7	1450.8	1444.0
22.5°	1297.3	1310.9	1318.7	1320.6	1308.0
25°	1110.7	1121.4	1134.0	1144.7	1123.3
27.5°	878.5	888.2	899.8	906.6	903.7
30°	636.5	637.5	636.5	649.1	644.3
32.5°	353.7	382.9	387.7	396.5	365.4
35°	173.9	182.7	206.0	189.5	179.8
37.5°	83.6	89.4	111.8	91.3	87.5
40°	46.6	50.5	63.2	52.5	46.6
42.5°	22.4	29.2	34.0	30.1	22.4
45°	9.7	14.6	22.4	14.6	9.7
47.5°	3.9	5.8	13.6	5.8	3.9
50°	3.9	2.9	6.8	2.9	2.9
52.5°	2.9	2.9	3.9	2.9	2.9
55°	2.9	2.9	2.9	2.9	2.9
57.5°	2.9	2.9	2.9	2.9	2.9
60°	2.9	2.9	2.9	2.9	2.9
62.5°	1.9	2.9	2.9	2.9	1.9
65°	1.9	1.9	1.9	1.9	1.9
67.5°	1.9	1.9	1.9	1.9	1.9
70°	1.9	1.9	1.9	1.9	1.9
72.5°	1.0	1.9	1.0	1.0	1.0
75°	1.0	1.0	1.0	1.0	1.0
77.5°	1.0	1.0	1.0	1.0	1.0
80°	1.0	1.0	1.0	1.0	1.0
82.5°	1.0	1.0	1.0	1.0	1.0
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)