

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: P1311543

Luminaire Tested: LDSQA3D13R559040DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311543
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: LDSQA3D13R559040DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

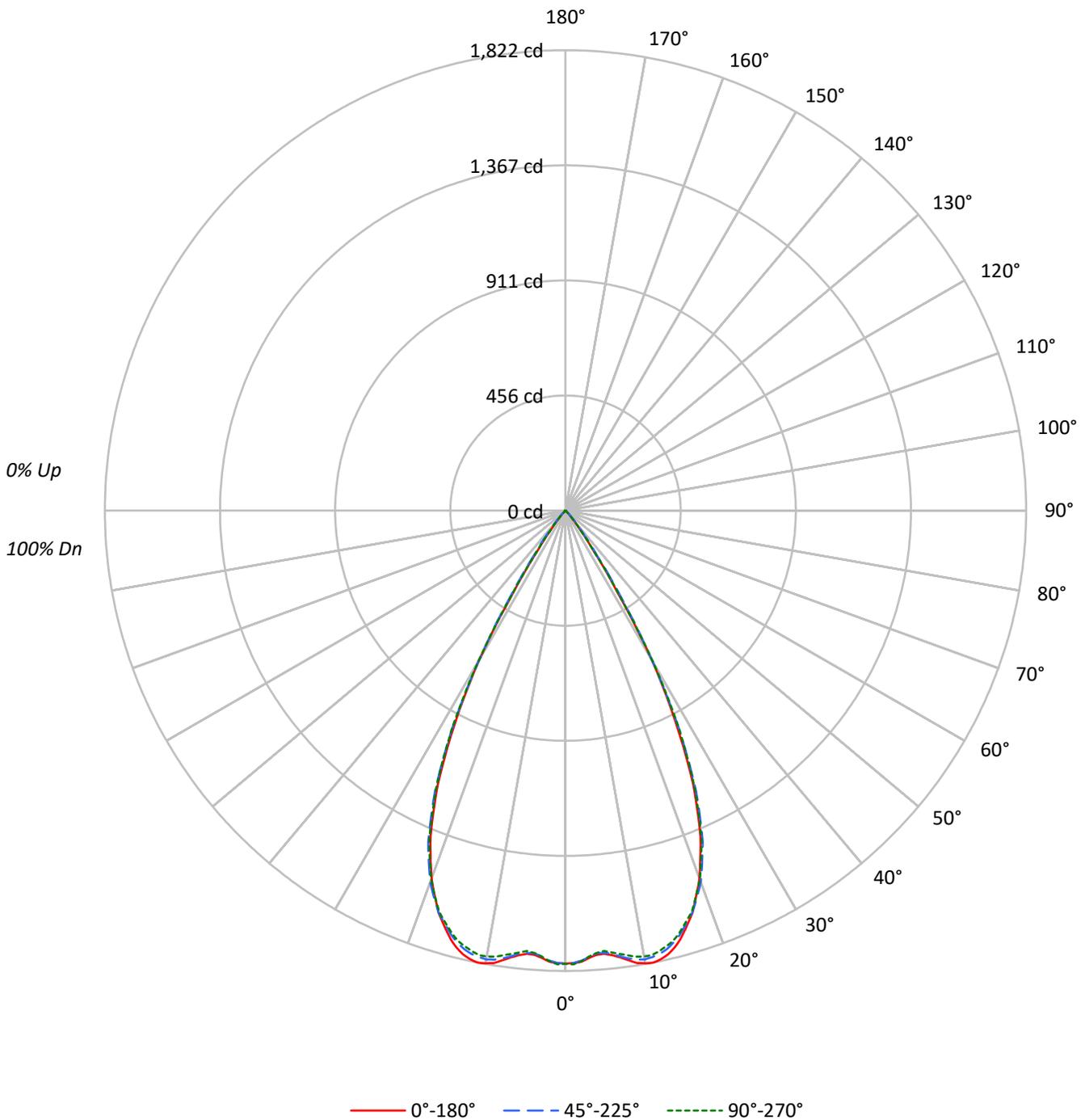
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1374.9 lumens
Efficiency: N/A
Efficacy: 94.2 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°	308795	308795	308795
5°	304373	303837	302385
10°	318141	315395	313384
15°	313163	310381	309062
20°	283967	286844	284737
25°	227082	231852	229666
30°	136183	136183	137854
35°	39337	46590	40661
40°	11286	15288	11286
45°	2557	5845	2557
50°	1125	1956	831
55°	931	931	931
60°	1068	1068	1068
65°	856	856	856
70°	1057	1057	1057
75°	665	665	665
80°	992	992	992
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 5845 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.0	12.4
10°-20°	484.6	35.2
20°-30°	533.9	38.8
30°-40°	163.3	11.9
40°-50°	16.2	1.2
50°-60°	3.0	0.2
60°-70°	2.4	0.2
70°-80°	1.3	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°	1188.4	86.4
0°-40°	1351.7	98.3
0°-60°	1370.8	99.7
0°-90°	1374.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1374.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1793	1793	1793	1793	1793	
5°	1761	1761	1758	1752	1749	171
15°	1756	1753	1741	1733	1733	487
25°	1195	1206	1220	1232	1209	527
35°	187	197	222	204	193	153
45°	10	16	24	16	10	12
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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1793.0	1793.0	1793.0	1793.0	1793.0
1°	1790.9	1792.0	1790.9	1788.9	1796.2
2°	1786.8	1785.7	1782.6	1781.5	1784.7
3°	1773.2	1773.2	1769.0	1766.9	1767.9
4°	1762.7	1762.7	1756.4	1754.4	1755.4
5°	1760.6	1760.6	1757.5	1752.3	1749.1
6°	1769.0	1771.1	1763.8	1758.5	1758.5
7°	1781.5	1782.6	1777.4	1770.0	1767.9
8°	1797.2	1798.3	1789.9	1781.5	1777.4
9°	1812.9	1810.8	1799.3	1790.9	1787.8
10°	1819.2	1818.1	1803.5	1795.1	1792.0
11°	1822.3	1817.1	1800.4	1793.0	1792.0
12°	1815.0	1810.8	1793.0	1785.7	1782.6
13°	1802.4	1796.2	1781.5	1774.2	1770.0
14°	1782.6	1776.3	1762.7	1754.4	1755.4
15°	1756.4	1753.3	1740.8	1733.4	1733.4
17.5°	1669.7	1671.8	1668.6	1665.5	1663.4
20°	1549.4	1557.8	1565.1	1560.9	1553.6
22.5°	1395.7	1410.4	1418.7	1420.8	1407.2
25°	1195.0	1206.5	1220.1	1231.6	1208.6
27.5°	945.1	955.6	968.1	975.5	972.3
30°	684.8	685.8	684.8	698.4	693.2
32.5°	380.6	411.9	417.2	426.6	393.1
35°	187.1	196.6	221.6	203.9	193.4
37.5°	89.9	96.2	120.2	98.3	94.1
40°	50.2	54.4	68.0	56.5	50.2
42.5°	24.0	31.4	36.6	32.4	24.0
45°	10.5	15.7	24.0	15.7	10.5
47.5°	4.2	6.3	14.6	6.3	4.2
50°	4.2	3.1	7.3	3.1	3.1
52.5°	3.1	3.1	4.2	3.1	3.1
55°	3.1	3.1	3.1	3.1	3.1
57.5°	3.1	3.1	3.1	3.1	3.1
60°	3.1	3.1	3.1	3.1	3.1
62.5°	2.1	3.1	3.1	3.1	2.1
65°	2.1	2.1	2.1	2.1	2.1
67.5°	2.1	2.1	2.1	2.1	2.1
70°	2.1	2.1	2.1	2.1	2.1
72.5°	1.0	2.1	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)