

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: P1312620

Luminaire Tested: LDSQA3D13R559050DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312620
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: LDSQA3D13R559050DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

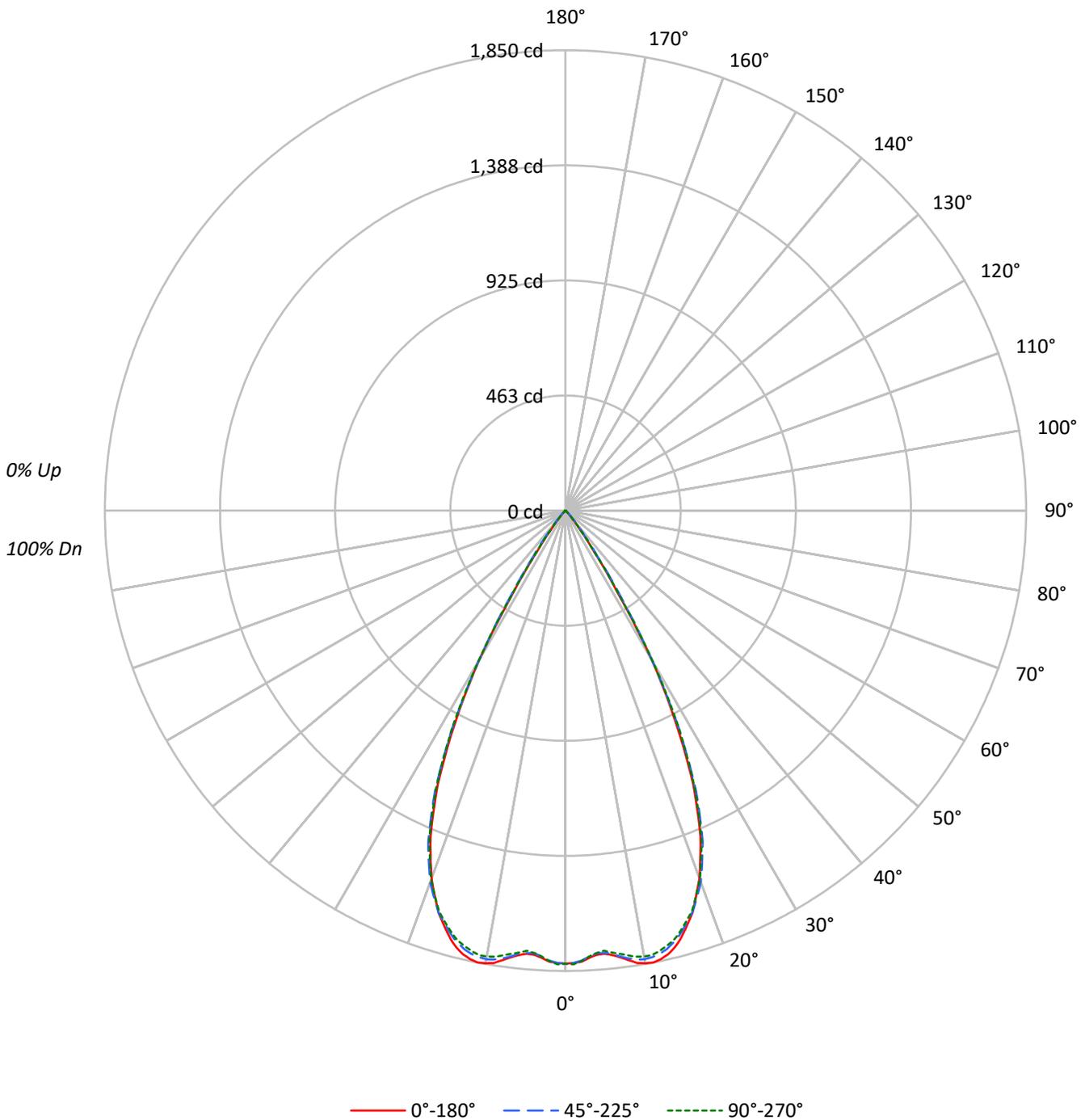
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1396.0 lumens
Efficiency: N/A
Efficacy: 95.6 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°	313514	313514	313514
5°	309024	308471	307001
10°	323002	320204	318176
15°	317959	315106	313787
20°	288311	291225	289080
25°	230559	235386	233182
30°	138271	138271	139962
35°	39947	47305	41292
40°	11466	15513	11466
45°	2582	5943	2582
50°	1125	1983	857
55°	961	961	961
60°	1102	1102	1102
65°	856	856	856
70°	1057	1057	1057
75°	732	732	732
80°	1091	1091	1091
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 5943 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.6	12.4
10°-20°	492.0	35.2
20°-30°	542.0	38.8
30°-40°	165.8	11.9
40°-50°	16.4	1.2
50°-60°	3.1	0.2
60°-70°	2.4	0.2
70°-80°	1.4	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°	1206.6	86.4
0°-40°	1372.4	98.3
0°-60°	1391.8	99.7
0°-90°	1396.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1396.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1820	1820	1820	1820	1820	
5°	1788	1788	1784	1779	1776	173
15°	1783	1780	1767	1760	1760	494
25°	1213	1225	1239	1250	1227	535
35°	190	200	225	207	196	156
45°	11	16	24	16	11	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°	1820.4	1820.4	1820.4	1820.4	1820.4
1°	1818.3	1819.4	1818.3	1816.2	1823.6
2°	1814.1	1813.0	1809.8	1808.7	1811.9
3°	1800.3	1800.3	1796.0	1793.9	1794.9
4°	1789.6	1789.6	1783.3	1781.1	1782.2
5°	1787.5	1787.5	1784.3	1779.0	1775.8
6°	1796.0	1798.1	1790.7	1785.4	1785.4
7°	1808.7	1809.8	1804.5	1797.1	1794.9
8°	1824.7	1825.7	1817.2	1808.7	1804.5
9°	1840.6	1838.5	1826.8	1818.3	1815.1
10°	1847.0	1845.9	1831.0	1822.5	1819.4
11°	1850.1	1844.8	1827.8	1820.4	1819.4
12°	1842.7	1838.5	1820.4	1813.0	1809.8
13°	1830.0	1823.6	1808.7	1801.3	1797.1
14°	1809.8	1803.4	1789.6	1781.1	1782.2
15°	1783.3	1780.1	1767.3	1759.9	1759.9
17.5°	1695.2	1697.3	1694.1	1690.9	1688.8
20°	1573.1	1581.6	1589.0	1584.8	1577.3
22.5°	1417.1	1431.9	1440.4	1442.5	1428.7
25°	1213.3	1224.9	1238.7	1250.4	1227.1
27.5°	959.6	970.2	982.9	990.4	987.2
30°	695.3	696.3	695.3	709.1	703.8
32.5°	386.4	418.2	423.5	433.1	399.1
35°	190.0	199.6	225.0	207.0	196.4
37.5°	91.3	97.7	122.1	99.8	95.5
40°	51.0	55.2	69.0	57.3	51.0
42.5°	24.4	31.8	37.2	32.9	24.4
45°	10.6	15.9	24.4	15.9	10.6
47.5°	4.2	6.4	14.9	6.4	4.2
50°	4.2	3.2	7.4	3.2	3.2
52.5°	3.2	3.2	4.2	3.2	3.2
55°	3.2	3.2	3.2	3.2	3.2
57.5°	3.2	3.2	3.2	3.2	3.2
60°	3.2	3.2	3.2	3.2	3.2
62.5°	2.1	3.2	3.2	3.2	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°	1.1	2.1	1.1	1.1	1.1
75°	1.1	1.1	1.1	1.1	1.1
77.5°	1.1	1.1	1.1	1.1	1.1
80°	1.1	1.1	1.1	1.1	1.1
82.5°	1.1	1.1	1.1	1.1	1.1
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)