

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: P1323965

Luminaire Tested: LDSQA3D13R559030D2WDE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323965
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: LDSQA3D13R559030D2WDE010 3LSQCDR1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R55 optic, 3000K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

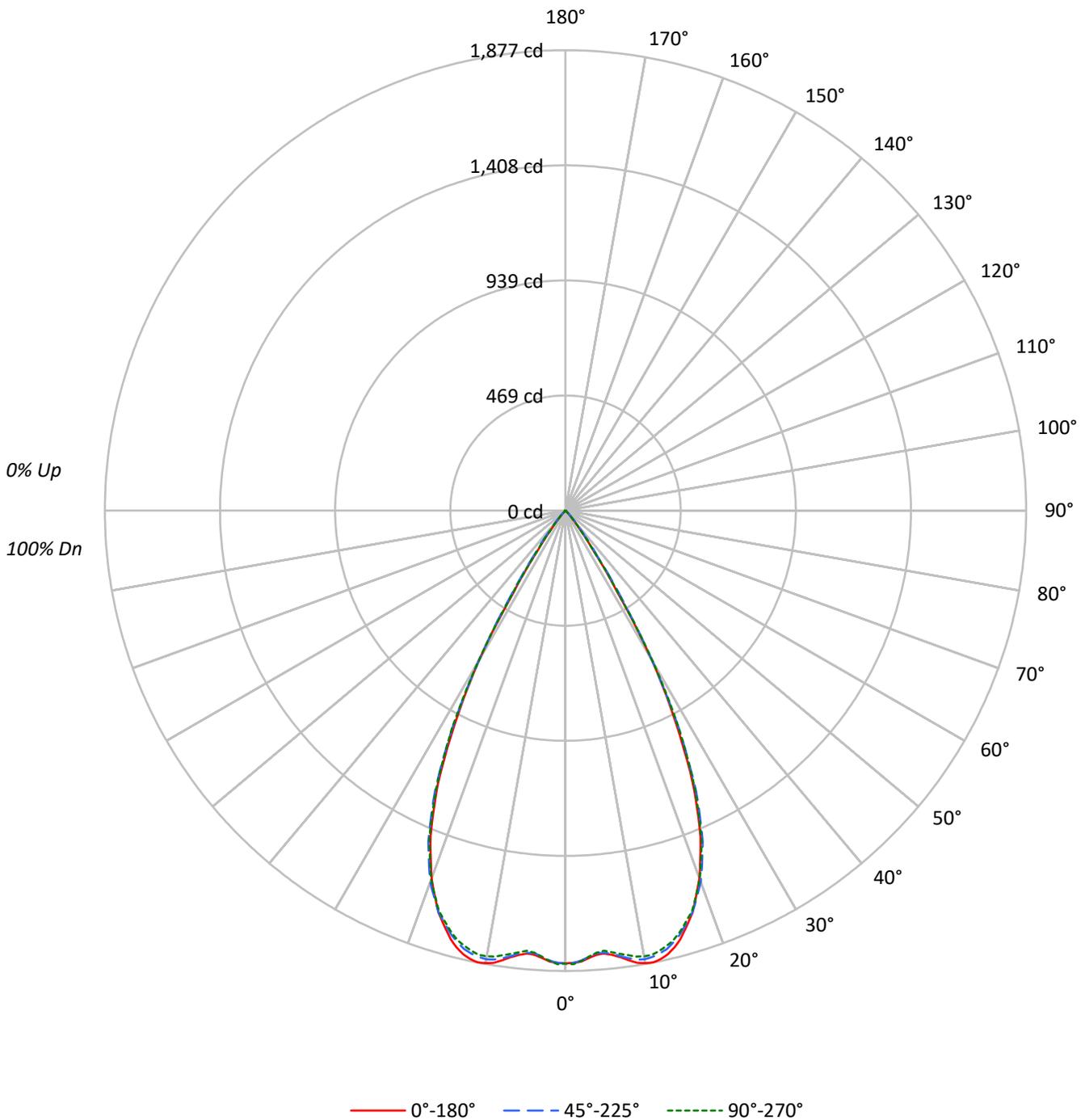
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1416.0 lumens
Efficiency: N/A
Efficacy: 70.5 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): 20.1
Input Voltage (V): NR
Input Current (Ain): 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

TEST NUMBER: P1323965
CATALOG NUMBER: LDSQA3D13R559030D2WDE010 3LSQCDR1MW

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	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°	318009	318009	318009
5°	313450	312896	311410
10°	327619	324804	322723
15°	322505	319635	318280
20°	292434	295403	293222
25°	233847	238768	236507
30°	140240	140240	141950
35°	40514	47999	41881
40°	11623	15737	11623
45°	2630	6040	2630
50°	1152	2009	857
55°	961	961	961
60°	1102	1102	1102
65°	897	897	897
70°	1108	1108	1108
75°	732	732	732
80°	1091	1091	1091
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 6040 cd/sqm



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CATALOG NUMBER: LDSQA3D13R559030D2WDE010 3LSQCDR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.1	12.4
10°-20°	499.0	35.2
20°-30°	549.8	38.8
30°-40°	168.2	11.9
40°-50°	16.6	1.2
50°-60°	3.1	0.2
60°-70°	2.5	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°	1223.9	86.4
0°-40°	1392.0	98.3
0°-60°	1411.7	99.7
0°-90°	1416.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1416.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1846	1846	1846	1846	1846	
5°	1813	1813	1810	1804	1801	176
15°	1809	1806	1793	1785	1785	501
25°	1231	1242	1256	1268	1245	542
35°	193	202	228	210	199	158
45°	11	16	25	16	11	13
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°	1846.5	1846.5	1846.5	1846.5	1846.5
1°	1844.3	1845.4	1844.3	1842.2	1849.7
2°	1840.0	1839.0	1835.7	1834.7	1837.9
3°	1826.0	1826.0	1821.7	1819.6	1820.7
4°	1815.3	1815.3	1808.8	1806.7	1807.7
5°	1813.1	1813.1	1809.9	1804.5	1801.3
6°	1821.7	1823.9	1816.4	1811.0	1811.0
7°	1834.7	1835.7	1830.3	1822.8	1820.7
8°	1850.8	1851.9	1843.3	1834.7	1830.3
9°	1867.0	1864.8	1853.0	1844.3	1841.1
10°	1873.4	1872.3	1857.3	1848.7	1845.4
11°	1876.6	1871.3	1854.0	1846.5	1845.4
12°	1869.1	1864.8	1846.5	1839.0	1835.7
13°	1856.2	1849.7	1834.7	1827.1	1822.8
14°	1835.7	1829.3	1815.3	1806.7	1807.7
15°	1808.8	1805.6	1792.7	1785.1	1785.1
17.5°	1719.5	1721.6	1718.4	1715.1	1713.0
20°	1595.6	1604.2	1611.8	1607.5	1599.9
22.5°	1437.4	1452.4	1461.0	1463.2	1449.2
25°	1230.6	1242.5	1256.5	1268.3	1244.6
27.5°	973.3	984.1	997.0	1004.5	1001.3
30°	705.2	706.3	705.2	719.2	713.8
32.5°	391.9	424.2	429.6	439.3	404.8
35°	192.7	202.4	228.3	210.0	199.2
37.5°	92.6	99.1	123.8	101.2	96.9
40°	51.7	56.0	70.0	58.1	51.7
42.5°	24.8	32.3	37.7	33.4	24.8
45°	10.8	16.2	24.8	16.2	10.8
47.5°	4.3	6.5	15.1	6.5	4.3
50°	4.3	3.2	7.5	3.2	3.2
52.5°	3.2	3.2	4.3	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°	2.2	3.2	3.2	3.2	2.2
65°	2.2	2.2	2.2	2.2	2.2
67.5°	2.2	2.2	2.2	2.2	2.2
70°	2.2	2.2	2.2	2.2	2.2
72.5°	1.1	2.2	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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CATALOG NUMBER: LDSQA3D13R559030D2WDE010 3LSQCDR1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)