

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: P1313150

Luminaire Tested: LDSQA3D02R209727DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313150
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R209727DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

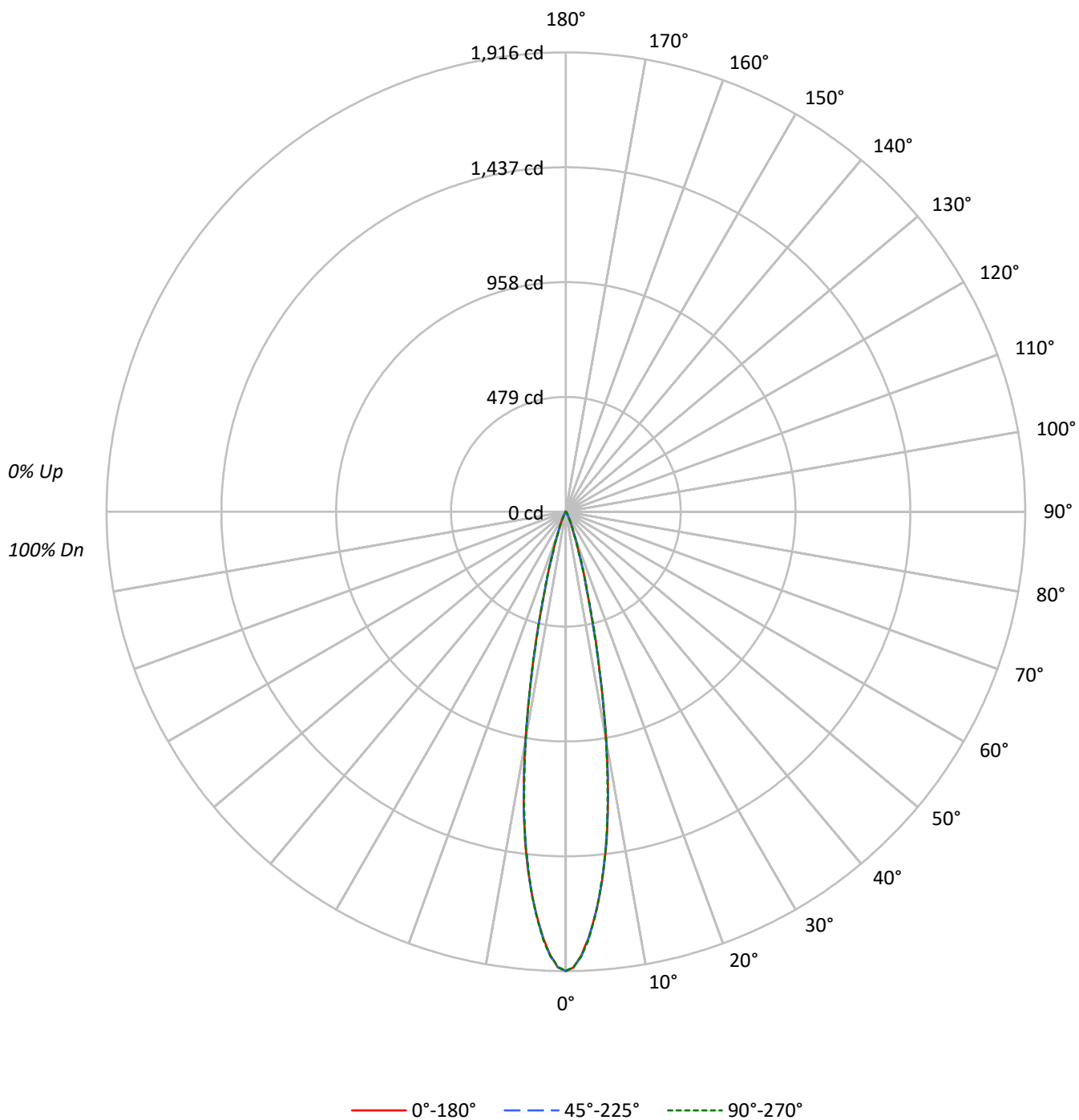
Lumens per Lamp: N/A
Luminaire Lumens: 264.0 lumens
Efficiency: N/A
Efficacy: 73.3 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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

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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	116	114	112	110	113	111	110	109	108	106	105	104	103	102	101	100	99	98	98	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	95	95	95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	93	93	93
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	91	91	91
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	89	89	89
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	87	87	87
7	100	94	90	88	99	94	90	88	92	90	87	92	89	87	91	88	87	86	86	86
8	98	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	84	84	84
9	96	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	83	83	83	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	81	81	81

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	329927	329927	329927
5°	278078	278182	278044
10°	169458	168671	169073
15°	59694	59944	61798
20°	18749	19281	18859
25°	7031	7677	7221
30°	2724	3858	2844
35°	1030	1724	1114
40°	562	742	562
45°	195	341	244
50°	107	161	107
55°	120	120	120
60°	69	69	69
65°	82	82	82
70°	101	101	101
75°	0	0	133
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 341 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.0	50.4
10°-20°	104.3	39.5
20°-30°	20.5	7.8
30°-40°	4.6	1.7
40°-50°	1.0	0.4
50°-60°	0.3	0.1
60°-70°	0.2	0.1
70°-80°	0.1	0.0
80°-90°	0.0	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°	257.7	97.6
0°-40°	262.3	99.4
0°-60°	263.7	99.9
0°-90°	264.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	264.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1916	1916	1916	1916	1916	
5°	1608	1610	1609	1615	1608	133
15°	335	336	336	344	347	104
25°	37	39	40	40	38	19
35°	5	6	8	6	5	4
45°	1	1	1	1	1	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
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°	1915.7	1915.7	1915.7	1915.7	1915.7
1°	1900.2	1896.1	1900.8	1897.2	1898.0
2°	1851.0	1848.7	1854.9	1851.0	1853.0
3°	1782.6	1779.7	1784.2	1784.4	1790.1
4°	1700.9	1695.3	1702.1	1702.3	1703.3
5°	1608.5	1610.0	1609.1	1614.7	1608.3
6°	1504.8	1509.5	1503.3	1506.4	1497.6
7°	1388.8	1382.8	1379.8	1380.8	1386.9
8°	1260.7	1256.6	1261.1	1254.8	1250.5
9°	1118.3	1111.2	1116.1	1109.9	1103.8
10°	969.0	965.7	964.5	957.6	966.8
11°	819.3	809.5	814.4	810.9	820.9
12°	679.2	680.0	670.4	673.4	674.7
13°	552.7	539.7	541.3	549.7	551.1
14°	428.7	430.6	431.2	437.1	440.6
15°	334.8	336.2	336.2	343.6	346.6
17.5°	179.5	179.5	183.4	184.2	184.6
20°	102.3	102.9	105.2	105.0	102.9
22.5°	61.3	62.5	63.7	62.5	61.3
25°	37.0	39.4	40.4	39.8	38.0
27.5°	22.1	24.7	27.6	25.3	21.9
30°	13.7	15.1	19.4	15.5	14.3
32.5°	7.6	9.8	13.3	10.2	7.8
35°	4.9	5.9	8.2	5.9	5.3
37.5°	3.5	4.1	5.1	4.3	3.7
40°	2.5	2.9	3.3	3.1	2.5
42.5°	1.6	2.0	2.2	2.0	1.6
45°	0.8	1.2	1.4	1.2	1.0
47.5°	0.4	0.6	1.0	0.6	0.4
50°	0.4	0.4	0.6	0.4	0.4
52.5°	0.4	0.4	0.4	0.4	0.4
55°	0.4	0.4	0.4	0.4	0.4
57.5°	0.4	0.4	0.2	0.4	0.2
60°	0.2	0.2	0.2	0.2	0.2
62.5°	0.2	0.2	0.2	0.2	0.2
65°	0.2	0.2	0.2	0.2	0.2
67.5°	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2
75°	0.0	0.0	0.0	0.0	0.2
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	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)