

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: P1314522

Luminaire Tested: LDSQA3D09R459730DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314522
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R459730DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 97CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

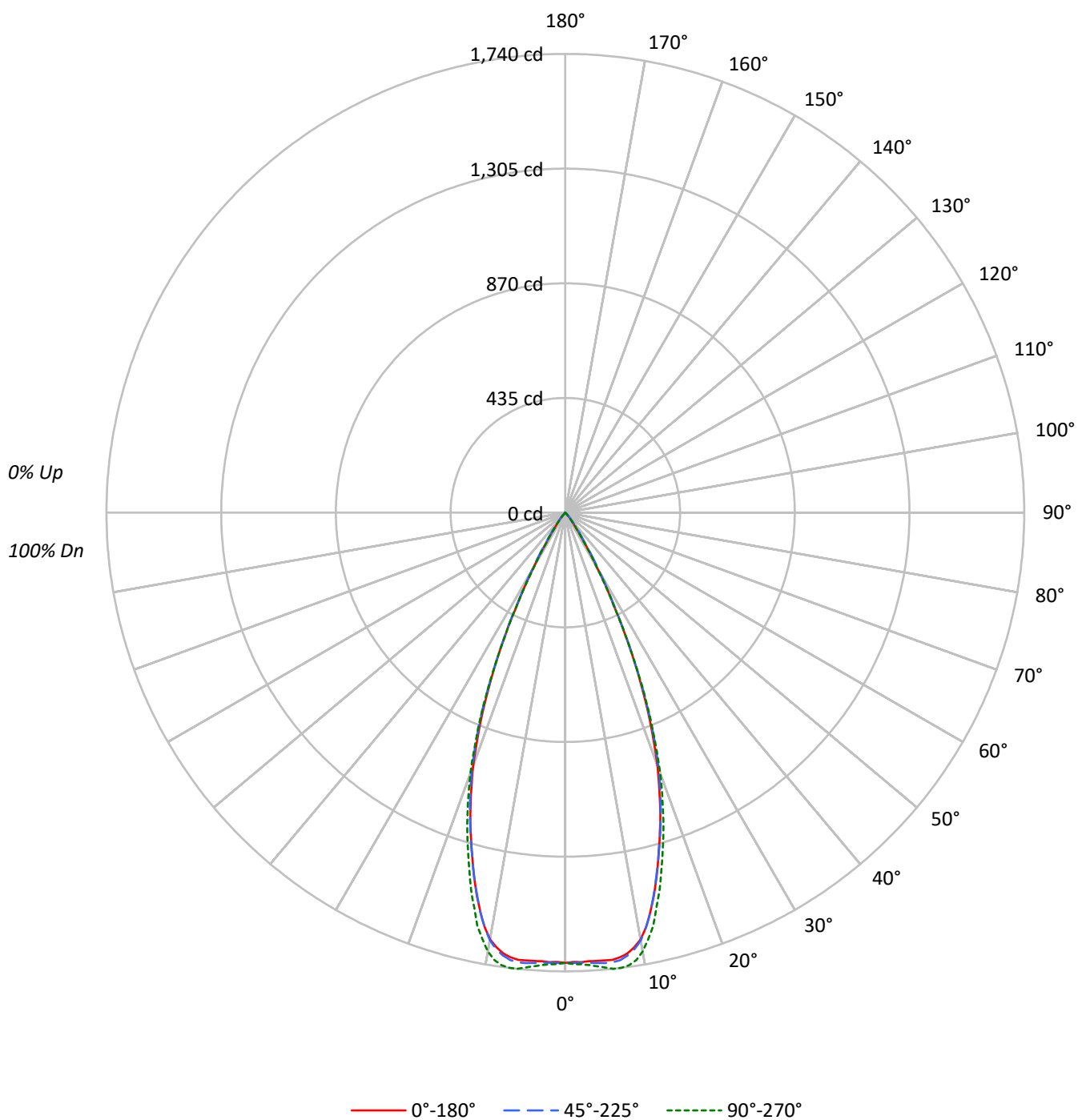
Lumens per Lamp: N/A
Luminaire Lumens: 883.0 lumens
Efficiency: N/A
Efficacy: 79.5 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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

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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	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	98	95
2	110	106	103	100	108	104	101	99	101	99	96	98	96	94	95	94	92	92	94	91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	88	90	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	84	86	83
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	80	82	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	77	79	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	73	76	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	70	76	73	70	70	73	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	67	70	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	65	67	64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	294139	294139	294139
5°	294813	296507	299464
10°	287432	287991	295581
15°	242485	242610	250562
20°	187179	189837	192952
25°	116125	116239	116999
30°	47907	50910	47111
35°	14906	18207	14360
40°	4564	6340	4272
45°	317	2387	317
50°	0	348	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2387 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.5	18.4
10°-20°	377.9	42.8
20°-30°	277.2	31.4
30°-40°	59.6	6.7
40°-50°	5.7	0.6
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	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°	817.7	92.6
0°-40°	877.3	99.4
0°-60°	883.0	100.0
0°-90°	883.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	883.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1708	1708	1708	1708	1708	
5°	1705	1710	1715	1727	1732	161
15°	1360	1357	1361	1382	1405	374
25°	611	609	612	612	616	274
35°	71	76	87	74	68	56
45°	1	4	10	4	1	3
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°	1707.9	1707.9	1707.9	1707.9	1707.9
1°	1704.6	1708.5	1708.5	1711.2	1712.5
2°	1705.9	1708.5	1707.9	1712.5	1714.4
3°	1703.9	1708.5	1709.8	1715.1	1718.4
4°	1704.6	1708.5	1712.5	1720.3	1724.9
5°	1705.3	1709.8	1715.1	1726.9	1732.2
6°	1705.9	1709.2	1715.1	1730.2	1740.0
7°	1699.3	1703.9	1710.5	1729.5	1740.0
8°	1688.8	1691.5	1696.7	1721.7	1734.1
9°	1669.2	1668.5	1676.4	1703.9	1718.4
10°	1643.6	1635.7	1646.8	1674.4	1690.2
11°	1602.2	1593.7	1603.5	1633.0	1648.1
12°	1548.4	1548.4	1550.3	1576.6	1602.9
13°	1491.3	1484.7	1488.6	1518.2	1536.6
14°	1428.3	1421.7	1425.6	1448.0	1476.8
15°	1360.0	1357.4	1360.7	1382.3	1405.3
17.5°	1197.9	1192.0	1203.8	1225.4	1237.3
20°	1021.3	1031.2	1035.8	1049.5	1052.8
22.5°	818.5	829.0	835.6	837.5	839.5
25°	611.1	609.1	611.7	611.7	615.7
27.5°	401.7	401.7	408.9	404.3	399.7
30°	240.9	250.7	256.0	247.5	236.9
32.5°	131.3	141.1	149.7	137.2	128.0
35°	70.9	76.1	86.6	74.2	68.3
37.5°	38.7	43.3	49.9	42.0	38.7
40°	20.3	24.9	28.2	24.9	19.0
42.5°	6.6	12.5	16.4	12.5	5.9
45°	1.3	3.9	9.8	3.9	1.3
47.5°	0.0	0.7	4.6	0.7	0.0
50°	0.0	0.0	1.3	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
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)