

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: P1315328

Luminaire Tested: LDSQA3D05R409735DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315328
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R409735DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

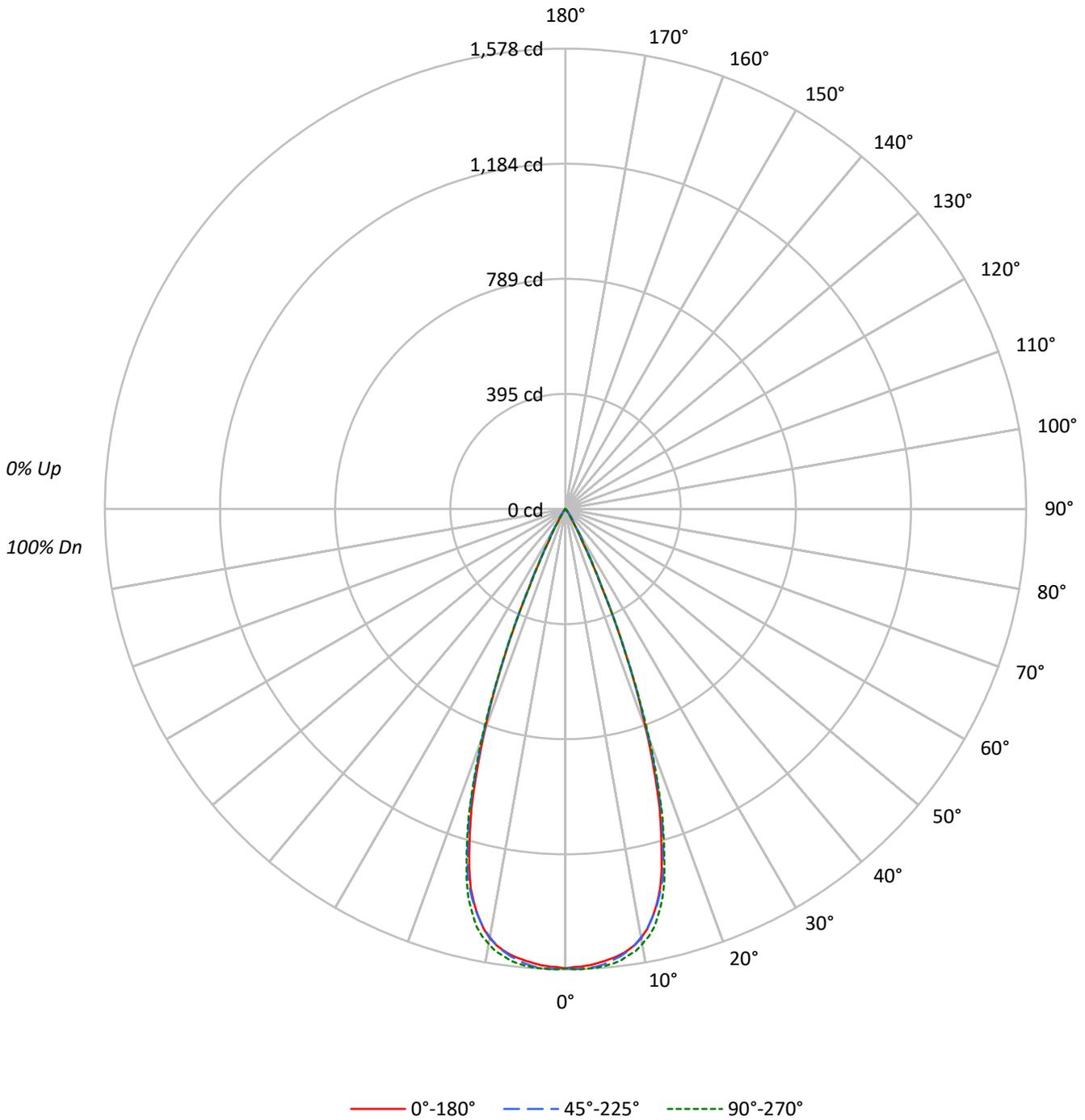
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 662.0 lumens
Efficiency: N/A
Efficacy: 91.9 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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			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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	94	94	94	92
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	90	90	90	89
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	87	87	87	85
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	83	83	83	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	80	80	80	79
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	80	77	77	77	77	76
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	75	75	75	73
9	87	80	76	73	86	80	75	73	79	75	72	78	75	72	77	74	72	72	72	72	71
10	85	77	73	70	84	77	73	70	76	72	70	76	72	70	75	72	70	70	70	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	271130	271130	271130
5°	268777	270472	271751
10°	261113	260623	264715
15°	227152	230825	233642
20°	149095	151990	153951
25°	53150	56248	52884
30°	11594	15671	11673
35°	3721	6476	3616
40°	1147	2001	1057
45°	122	682	122
50°	0	134	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: 682 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.2	22.2
10°-20°	342.9	51.8
20°-30°	153.8	23.2
30°-40°	16.6	2.5
40°-50°	1.5	0.2
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°	643.8	97.3
0°-40°	660.5	99.8
0°-60°	662.0	100.0
0°-90°	662.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	662.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1574	1574	1574	1574	1574	
5°	1555	1559	1564	1567	1572	147
15°	1274	1283	1295	1302	1310	339
25°	280	288	296	301	278	149
35°	18	20	31	20	17	14
45°	0	1	3	1	0	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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1574.3	1574.3	1574.3	1574.3	1574.3
1°	1571.0	1574.3	1577.1	1574.7	1578.0
2°	1569.6	1573.3	1577.5	1575.2	1578.0
3°	1565.9	1570.5	1575.2	1573.8	1576.6
4°	1560.7	1564.5	1571.5	1571.5	1575.7
5°	1554.7	1558.9	1564.5	1566.8	1571.9
6°	1548.1	1550.5	1554.7	1559.3	1566.3
7°	1539.8	1539.8	1544.9	1549.5	1558.9
8°	1528.1	1527.2	1530.9	1537.0	1545.4
9°	1513.7	1510.4	1513.2	1522.0	1534.6
10°	1493.1	1490.3	1490.3	1501.5	1513.7
11°	1466.6	1465.6	1466.1	1476.8	1493.1
12°	1430.7	1431.6	1431.6	1443.7	1463.8
13°	1390.1	1389.7	1393.8	1407.4	1420.9
14°	1340.7	1343.5	1347.7	1359.8	1373.8
15°	1274.0	1283.4	1294.6	1302.0	1310.4
17.5°	1071.3	1080.6	1096.0	1102.0	1103.9
20°	813.5	827.0	829.3	841.4	840.0
22.5°	545.4	544.5	546.4	547.7	548.2
25°	279.7	288.1	296.0	301.1	278.3
27.5°	121.7	136.1	146.4	132.9	123.1
30°	58.3	66.2	78.8	66.7	58.7
32.5°	31.7	36.8	49.9	36.4	31.2
35°	17.7	20.5	30.8	20.0	17.2
37.5°	10.3	11.2	16.8	11.2	9.8
40°	5.1	6.5	8.9	6.5	4.7
42.5°	1.9	3.3	4.7	3.3	1.9
45°	0.5	0.9	2.8	0.9	0.5
47.5°	0.0	0.0	1.4	0.0	0.0
50°	0.0	0.0	0.5	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)