

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: P1308953

Luminaire Tested: LDSQA3D05R409030DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308953
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: LDSQA3D05R409030DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

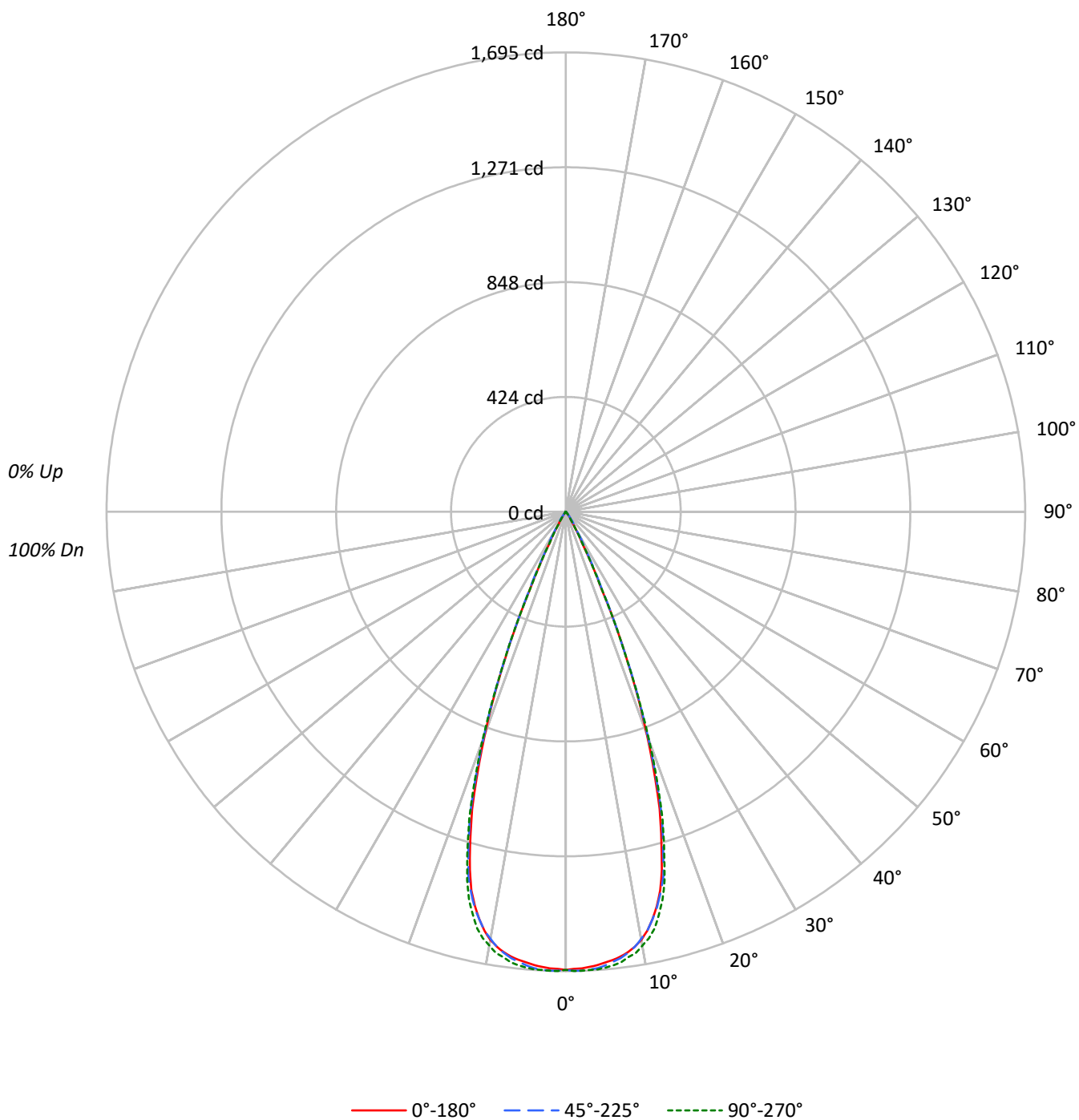
Lumens per Lamp: N/A
Luminaire Lumens: 711.0 lumens
Efficiency: N/A
Efficacy: 98.7 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1308953

CATALOG NUMBER: LDSQA3D05R409030DE010 3LSQCDR1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1308953

CATALOG NUMBER: LDSQA3D05R409030DE010 3LSQCDR1MB

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	94	94	92
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	90	90	89
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	87	87	85
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	83	83	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	80	80	79
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	80	77	77	77	76
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	75	75	73
9	87	80	76	73	86	80	75	73	79	75	72	78	75	72	77	74	72	72	72	71
10	85	77	73	70	84	77	73	70	76	72	70	76	72	70	75	72	70	70	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	291194	291194	291194
5°	288659	290491	291874
10°	280454	279930	284302
15°	243965	247906	250937
20°	160128	163243	165351
25°	57084	60409	56799
30°	12449	16824	12548
35°	3995	6938	3890
40°	1237	2136	1124
45°	122	731	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: 731 cd/sqm

TEST NUMBER: P1308953

CATALOG NUMBER: LDSQA3D05R409030DE010 3LSQCDR1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.1	22.2
10°-20°	368.2	51.8
20°-30°	165.1	23.2
30°-40°	17.8	2.5
40°-50°	1.7	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°	691.5	97.3
0°-40°	709.3	99.8
0°-60°	711.0	100.0
0°-90°	711.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	711.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1691	1691	1691	1691	1691	
5°	1670	1674	1680	1683	1688	158
15°	1368	1378	1390	1398	1407	364
25°	300	309	318	323	299	160
35°	19	22	33	22	18	15
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	

TEST NUMBER: P1308953

CATALOG NUMBER: LDSQA3D05R409030DE010 3LSQCDR1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1690.8	1690.8	1690.8	1690.8	1690.8
1°	1687.3	1690.8	1693.8	1691.3	1694.8
2°	1685.8	1689.8	1694.3	1691.8	1694.8
3°	1681.8	1686.8	1691.8	1690.3	1693.3
4°	1676.3	1680.3	1687.8	1687.8	1692.3
5°	1669.7	1674.3	1680.3	1682.8	1688.3
6°	1662.7	1665.2	1669.7	1674.8	1682.3
7°	1653.7	1653.7	1659.2	1664.2	1674.3
8°	1641.2	1640.2	1644.2	1650.7	1659.7
9°	1625.7	1622.2	1625.2	1634.7	1648.2
10°	1603.7	1600.7	1600.7	1612.7	1625.7
11°	1575.1	1574.1	1574.6	1586.1	1603.7
12°	1536.6	1537.6	1537.6	1550.6	1572.1
13°	1493.0	1492.5	1497.0	1511.5	1526.1
14°	1439.9	1442.9	1447.4	1460.5	1475.5
15°	1368.3	1378.4	1390.4	1398.4	1407.4
17.5°	1150.5	1160.6	1177.1	1183.6	1185.6
20°	873.7	888.2	890.7	903.7	902.2
22.5°	585.8	584.8	586.8	588.3	588.8
25°	300.4	309.4	317.9	323.4	298.9
27.5°	130.7	146.2	157.2	142.7	132.2
30°	62.6	71.1	84.6	71.6	63.1
32.5°	34.0	39.6	53.6	39.1	33.5
35°	19.0	22.0	33.0	21.5	18.5
37.5°	11.0	12.0	18.0	12.0	10.5
40°	5.5	7.0	9.5	7.0	5.0
42.5°	2.0	3.5	5.0	3.5	2.0
45°	0.5	1.0	3.0	1.0	0.5
47.5°	0.0	0.0	1.5	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



TEST NUMBER: P1308953
CATALOG NUMBER: LDSQA3D05R409030DE010 3LSQCDR1MB

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)