

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: P1314356

Luminaire Tested: LDSQA3D05R409730DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314356
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: LDSQA3D05R409730DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 97CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

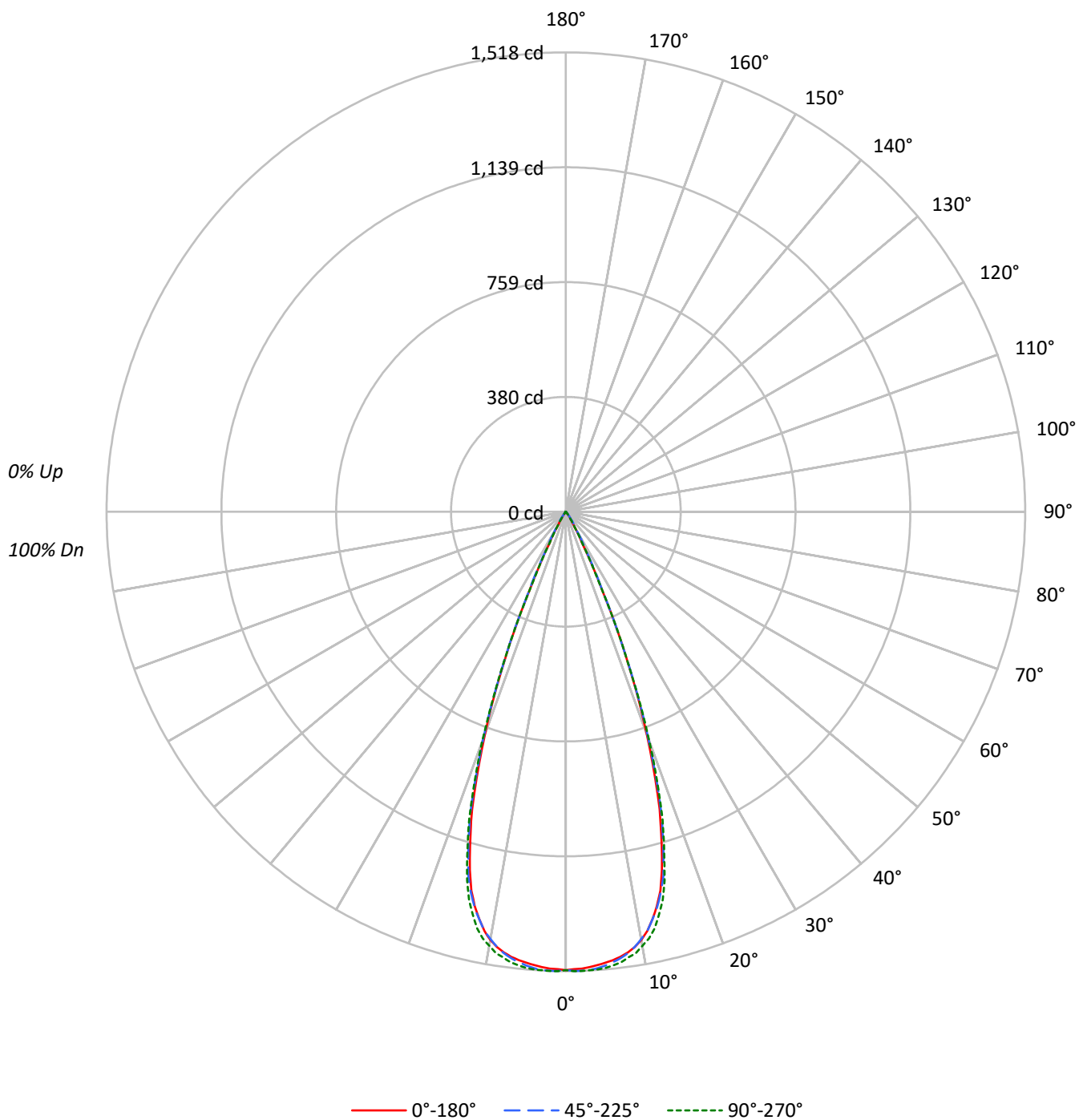
Lumens per Lamp: N/A
Luminaire Lumens: 637.0 lumens
Efficiency: N/A
Efficacy: 88.5 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1314356

CATALOG NUMBER: LDSQA3D05R409730DE010 3LSQCDR1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1314356

CATALOG NUMBER: LDSQA3D05R409730DE010 3LSQCDR1MB

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	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°	260883	260883	260883
5°	258629	260254	261499
10°	251267	250795	254712
15°	218576	222106	224816
20°	143450	146254	148142
25°	51136	54120	50889
30°	11156	15074	11236
35°	3574	6223	3490
40°	1102	1911	1012
45°	97	658	97
50°	0	107	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: 658 cd/sqm

TEST NUMBER: P1314356

CATALOG NUMBER: LDSQA3D05R409730DE010 3LSQCDR1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.7	22.2
10°-20°	329.9	51.8
20°-30°	148.0	23.2
30°-40°	16.0	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°	619.5	97.3
0°-40°	635.5	99.8
0°-60°	637.0	100.0
0°-90°	637.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	637.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1515	1515	1515	1515	1515	
5°	1496	1500	1505	1508	1513	141
15°	1226	1235	1246	1253	1261	326
25°	269	277	285	290	268	144
35°	17	20	30	19	17	13
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: P1314356

CATALOG NUMBER: LDSQA3D05R409730DE010 3LSQCDR1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1514.8	1514.8	1514.8	1514.8	1514.8
1°	1511.7	1514.8	1517.5	1515.3	1518.4
2°	1510.3	1513.9	1517.9	1515.7	1518.4
3°	1506.7	1511.2	1515.7	1514.4	1517.0
4°	1501.8	1505.4	1512.1	1512.1	1516.1
5°	1496.0	1500.0	1505.4	1507.6	1512.6
6°	1489.7	1491.9	1496.0	1500.4	1507.2
7°	1481.6	1481.6	1486.5	1491.0	1500.0
8°	1470.4	1469.5	1473.1	1478.9	1487.0
9°	1456.5	1453.3	1456.0	1464.6	1476.7
10°	1436.8	1434.1	1434.1	1444.8	1456.5
11°	1411.2	1410.3	1410.7	1421.1	1436.8
12°	1376.6	1377.5	1377.5	1389.2	1408.5
13°	1337.6	1337.2	1341.2	1354.2	1367.2
14°	1290.1	1292.8	1296.8	1308.5	1321.9
15°	1225.9	1234.9	1245.7	1252.8	1260.9
17.5°	1030.8	1039.8	1054.6	1060.4	1062.2
20°	782.7	795.8	798.0	809.7	808.3
22.5°	524.8	523.9	525.7	527.1	527.5
25°	269.1	277.2	284.8	289.8	267.8
27.5°	117.1	131.0	140.8	127.8	118.4
30°	56.1	63.7	75.8	64.1	56.5
32.5°	30.5	35.4	48.0	35.0	30.1
35°	17.0	19.7	29.6	19.3	16.6
37.5°	9.9	10.8	16.1	10.8	9.4
40°	4.9	6.3	8.5	6.3	4.5
42.5°	1.8	3.1	4.5	3.1	1.8
45°	0.4	0.9	2.7	0.9	0.4
47.5°	0.0	0.0	1.3	0.0	0.0
50°	0.0	0.0	0.4	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: P1314356

CATALOG NUMBER: LDSQA3D05R409730DE010 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)