

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: P1318407

Luminaire Tested: LDSQA3D13R509830DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318407
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-27)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R509830DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 98CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

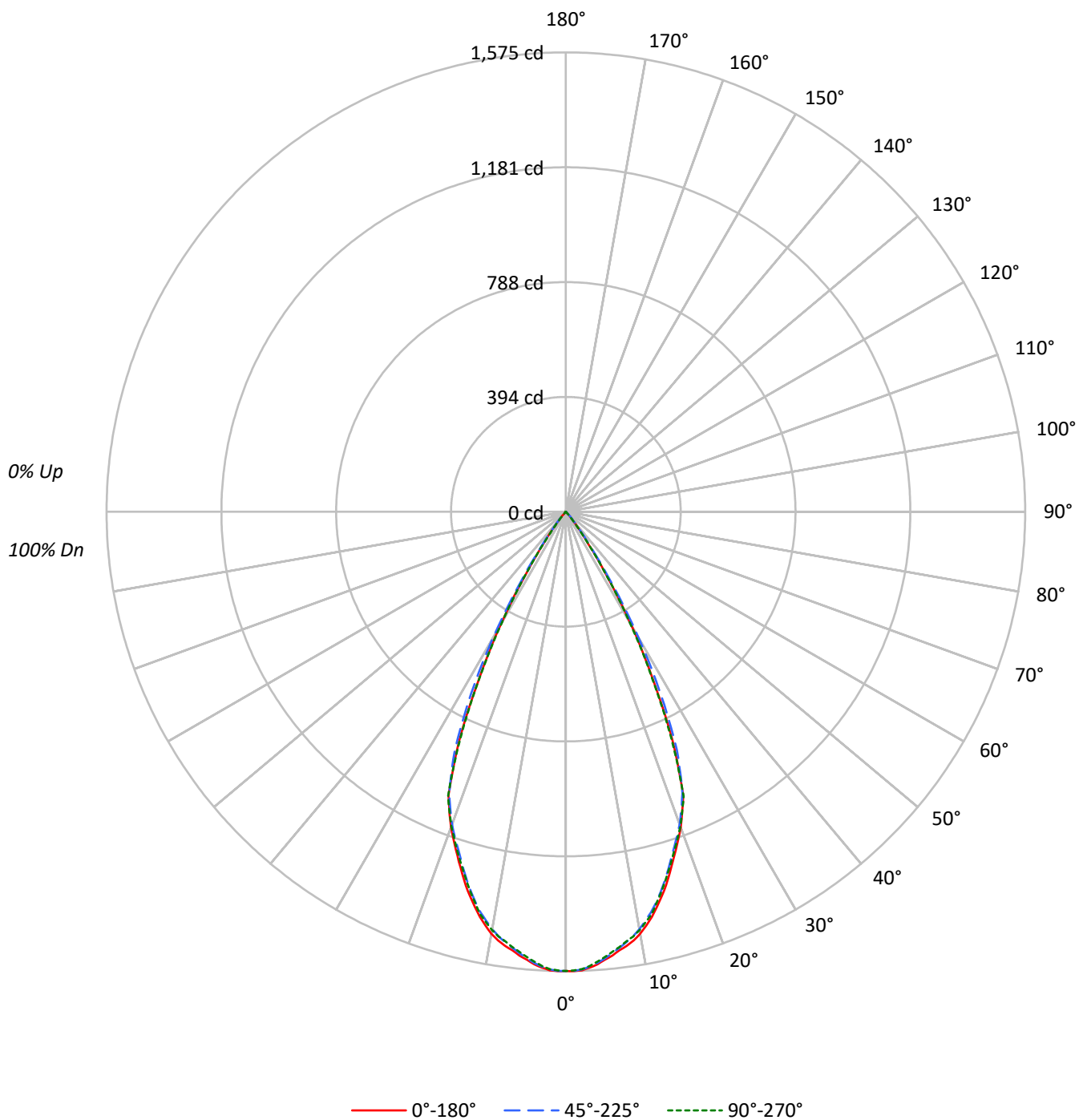
Lumens per Lamp: N/A
Luminaire Lumens: 1014.0 lumens
Efficiency: N/A
Efficacy: 69.9 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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: P1318407

CATALOG NUMBER: LDSQA3D13R509830DE010 3LSQCDR1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1318407

CATALOG NUMBER: LDSQA3D13R509830DE010 3LSQCDR1MMS

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	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	91	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	86	86	85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	82	82	80
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	77	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	73	73	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	70	70	69
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	66	66	65
9	81	73	67	64	80	72	67	64	71	67	64	70	66	63	70	66	63	63	63	62
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	271199	271199	271199
5°	266461	265700	264957
10°	256985	254187	254694
15°	236405	233428	234070
20°	211097	209099	210290
25°	164297	171176	162492
30°	88992	99373	87401
35°	28068	33387	27458
40°	6205	8633	5868
45°	170	2655	170
50°	0	402	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: 2655 cd/sqm

TEST NUMBER: P1318407

CATALOG NUMBER: LDSQA3D13R509830DE010 3LSQCDR1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.3	14.2
10°-20°	366.5	36.1
20°-30°	386.1	38.1
30°-40°	110.3	10.9
40°-50°	6.8	0.7
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°	896.9	88.4
0°-40°	1007.1	99.3
0°-60°	1014.0	100.0
0°-90°	1014.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1014.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1575	1575	1575	1575	1575	
5°	1541	1540	1537	1536	1533	145
15°	1326	1317	1309	1311	1313	369
25°	865	896	901	891	855	378
35°	134	143	159	135	131	104
45°	1	4	11	4	1	4
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: P1318407

CATALOG NUMBER: LDSQA3D13R509830DE010 3LSQCDR1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1574.7	1574.7	1574.7	1574.7	1574.7
1°	1575.4	1576.1	1574.7	1576.1	1572.5
2°	1573.2	1571.8	1570.3	1571.0	1568.9
3°	1565.2	1564.5	1561.6	1562.3	1559.4
4°	1555.1	1552.9	1550.7	1549.3	1546.4
5°	1541.3	1539.8	1536.9	1535.5	1532.6
6°	1529.7	1526.8	1521.7	1520.3	1517.4
7°	1514.5	1513.0	1506.5	1505.0	1503.6
8°	1502.8	1498.5	1490.5	1491.2	1487.6
9°	1487.6	1481.8	1473.8	1473.8	1474.6
10°	1469.5	1460.8	1453.5	1455.7	1456.4
11°	1445.5	1439.7	1428.9	1433.9	1433.9
12°	1419.4	1412.2	1404.2	1408.6	1411.5
13°	1389.0	1383.2	1375.9	1380.3	1378.8
14°	1359.2	1348.4	1343.3	1349.1	1346.9
15°	1325.9	1317.2	1309.2	1311.4	1312.8
17.5°	1236.7	1227.2	1221.4	1222.2	1228.7
20°	1151.8	1148.2	1140.9	1143.8	1147.4
22.5°	1051.7	1053.2	1044.4	1046.6	1055.3
25°	864.6	896.5	900.8	890.7	855.1
27.5°	640.5	688.3	702.8	679.6	636.1
30°	447.5	460.6	499.7	455.5	439.5
32.5°	262.6	282.1	303.2	272.7	261.8
35°	133.5	142.9	158.8	134.9	130.6
37.5°	61.7	66.0	72.5	61.7	58.0
40°	27.6	32.6	38.4	31.2	26.1
42.5°	8.7	15.2	20.3	13.8	8.0
45°	0.7	3.6	10.9	3.6	0.7
47.5°	0.0	0.7	4.4	0.7	0.0
50°	0.0	0.0	1.5	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: P1318407

CATALOG NUMBER: LDSQA3D13R509830DE010 3LSQCDR1MMS

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)