

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: P1308172

Luminaire Tested: LDSQA3D13R509027DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308172
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-53)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R509027DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 90CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

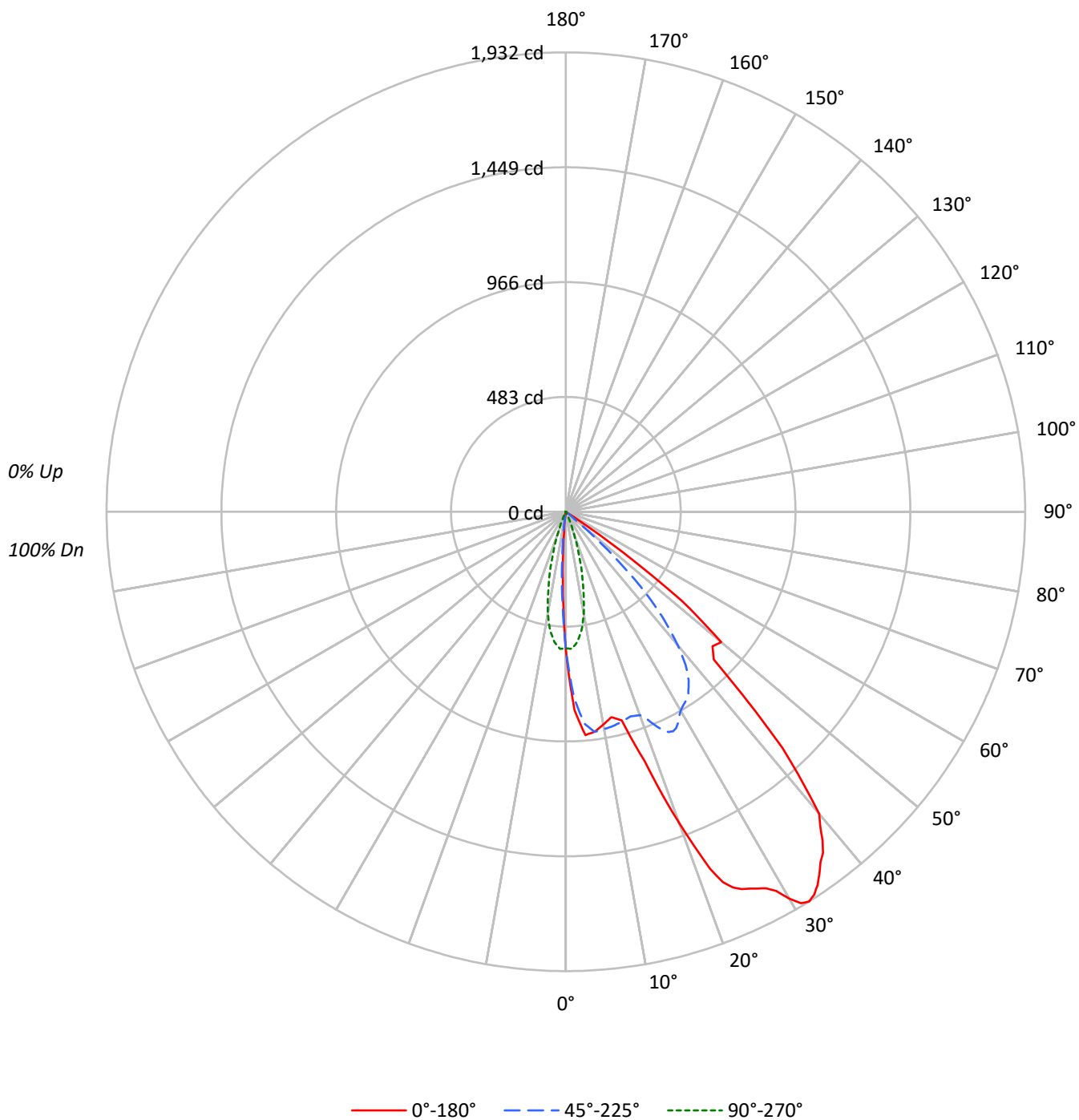
Lumens per Lamp: N/A
Luminaire Lumens: 925.0 lumens
Efficiency: N/A
Efficacy: 63.4 lumens/watt
Spacing Criteria (0/90/45): 1.8 / 0.48 / 1.24
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	100		
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82		
3	98	91	85	80	96	89	84	79	86	82	78	84	80	77	82	78	75	74		
4	92	83	76	71	90	81	75	70	79	74	70	77	72	69	75	71	68	66		
5	86	76	68	63	84	75	68	63	73	67	62	71	66	62	69	65	61	59		
6	80	69	62	57	78	68	62	57	67	61	56	65	60	56	64	59	55	54		
7	75	64	56	51	73	63	56	51	61	55	51	60	55	50	59	54	50	48		
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	44		
9	66	54	47	42	64	54	47	42	53	46	42	52	46	42	51	45	42	40		
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	98907	98907	98907	98907	98907
5°	162974	154659	95050	28231	14124
10°	158826	162323	76160	1434	1906
15°	161930	162893	45626	1462	481
20°	255248	166781	18786	0	0
25°	332756	194302	4485	0	0
30°	373489	192164	179	0	0
35°	390845	189221	0	0	0
40°	372865	164411	0	0	0
45°	214138	108506	0	0	0
50°	228518	12405	0	0	0
55°	65097	0	0	0	0
60°	0	0	310	0	0
65°	0	367	367	0	0
70°	0	453	453	0	0
75°	0	599	599	0	0
80°	0	893	1785	893	0
85°	0	1778	3557	1778	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°

Vertical Angle: 45°

Luminance: 236448 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.2	5.2
10°-20°	121.5	13.1
20°-30°	233.4	25.2
30°-40°	271.7	29.4
40°-50°	194.4	21.0
50°-60°	54.1	5.9
60°-70°	0.4	0.0
70°-80°	0.6	0.1
80°-90°	0.7	0.1
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°	403.2	43.6
0°-40°	674.9	73.0
0°-60°	923.4	99.8
0°-90°	925.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	925.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	574	574	574	574	574	
5°	943	895	550	163	82	87
15°	908	914	256	8	3	293
25°	1751	1022	24	0	0	796
35°	1859	900	0	0	0	1150
45°	879	446	0	0	0	827
55°	217	0	0	0	0	273
65°	0	1	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	2	1	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	574.3	574.3	574.3	574.3	574.3	574.3	574.3	574.3	574.3	574.3	574.3
2.5°	834.7	839.2	840.2	829.3	831.1	815.7	816.6	805.7	779.4	687.7	577.0
5°	942.7	940.0	942.7	939.0	942.7	933.6	928.2	923.6	894.6	764.8	549.8
7.5°	932.7	929.1	934.5	936.3	942.7	940.0	940.9	943.6	933.6	806.6	503.5
10°	908.2	907.3	910.0	910.0	917.3	918.2	921.8	927.3	928.2	821.1	435.5
12.5°	884.6	881.9	881.9	881.0	884.6	883.7	892.8	905.5	922.7	812.0	342.0
15°	908.2	905.5	901.8	891.9	884.6	876.4	877.4	885.5	913.6	788.4	255.9
17.5°	1098.7	1084.2	1066.1	1034.3	1000.7	942.7	908.2	886.4	902.8	752.1	170.6
20°	1392.7	1386.3	1357.3	1305.6	1251.2	1165.9	1059.7	974.4	910.0	706.8	102.5
21°	1504.3	1500.7	1469.8	1421.7	1360.0	1256.6	1147.7	1045.2	924.5	687.7	80.7
22°	1618.6	1605.0	1580.5	1527.0	1462.6	1359.1	1237.5	1124.1	953.6	663.2	61.7
23°	1692.1	1683.9	1657.6	1615.0	1553.3	1452.6	1328.3	1204.9	981.7	636.0	46.3
24°	1730.2	1727.5	1706.6	1676.7	1624.1	1521.5	1403.6	1276.6	1005.3	604.3	33.6
25°	1751.1	1742.0	1729.3	1707.5	1667.6	1578.7	1473.4	1339.2	1022.5	572.5	23.6
26°	1763.8	1758.3	1738.4	1719.3	1681.2	1608.6	1518.8	1377.3	1027.1	533.5	16.3
27°	1778.3	1765.6	1746.5	1723.9	1681.2	1617.7	1536.0	1393.6	1021.6	493.6	10.9
28°	1793.7	1784.6	1758.3	1729.3	1678.5	1617.7	1529.7	1371.8	1005.3	455.5	6.4
29°	1823.7	1811.9	1779.2	1736.6	1679.4	1615.9	1505.2	1326.5	983.5	412.8	3.6
30°	1878.1	1853.6	1813.7	1753.8	1685.7	1612.3	1464.4	1258.4	966.3	364.7	0.9
31°	1920.7	1907.1	1860.9	1785.6	1703.9	1602.3	1416.3	1191.3	954.5	323.0	0.0
32°	1932.5	1922.6	1889.0	1818.2	1734.7	1594.1	1361.8	1125.9	945.4	276.7	0.0
33°	1918.9	1912.6	1877.2	1812.8	1742.9	1583.2	1299.2	1061.5	935.4	235.0	0.0
34°	1893.5	1885.4	1854.5	1789.2	1722.0	1536.0	1239.4	1012.5	920.9	196.0	0.0
35°	1859.0	1852.7	1820.9	1756.5	1683.9	1462.6	1179.5	979.9	900.0	157.0	0.0
36°	1821.8	1820.0	1779.2	1715.7	1634.9	1391.8	1106.9	955.4	879.2	124.3	0.0
37°	1797.3	1788.3	1743.8	1681.2	1576.9	1309.2	1048.8	947.2	850.1	96.2	0.0
38°	1752.9	1754.7	1703.9	1646.7	1517.9	1237.5	1001.7	940.9	817.5	69.9	0.0
39°	1700.3	1701.2	1648.5	1599.6	1448.0	1162.2	962.6	934.5	776.6	44.5	0.0
40°	1658.5	1657.6	1597.7	1545.1	1372.7	1091.5	941.8	925.4	731.3	25.4	0.0
42.5°	1348.2	1353.7	1360.9	1382.7	1195.8	967.2	921.8	874.6	602.4	0.0	0.0
45°	879.2	900.0	905.5	970.8	969.9	916.4	874.6	783.9	445.5	0.0	0.0
47.5°	836.5	842.9	854.7	880.1	893.7	867.4	782.1	655.1	243.2	0.0	0.0
50°	852.9	851.9	854.7	854.7	830.2	762.1	641.5	483.6	46.3	0.0	0.0
52.5°	612.4	635.1	659.6	670.5	638.7	567.1	468.2	284.0	0.0	0.0	0.0
55°	216.8	209.6	204.1	223.2	218.7	245.9	203.2	66.2	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.9	3.6	8.2	10.9	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	1.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	1.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	1.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	1.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	1.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
0°	574.3	574.3	574.3	574.3
2.5°	460.0	352.9	285.8	290.3
5°	323.0	163.3	100.7	81.7
7.5°	193.3	49.9	10.0	8.2
10°	90.7	8.2	9.1	10.9
12.5°	27.2	7.3	10.0	9.1
15°	7.3	8.2	4.5	2.7
17.5°	2.7	3.6	0.0	0.0
20°	1.8	0.0	0.0	0.0
21°	1.8	0.0	0.0	0.0
22°	0.9	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	0.9	0.0	0.0	0.0
67.5°	0.9	0.0	0.0	0.0
70°	0.9	0.0	0.0	0.0
72.5°	0.9	0.0	0.0	0.0
75°	0.9	0.0	0.0	0.0
77.5°	0.9	0.0	0.0	0.0
80°	0.9	0.9	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.9	0.9	0.0	0.0
85°	0.9	0.9	0.0	0.0
87.5°	0.9	0.9	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)