

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: P1314850

Luminaire Tested: LDSQA3D17R559730DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314850
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-66)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R559730DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

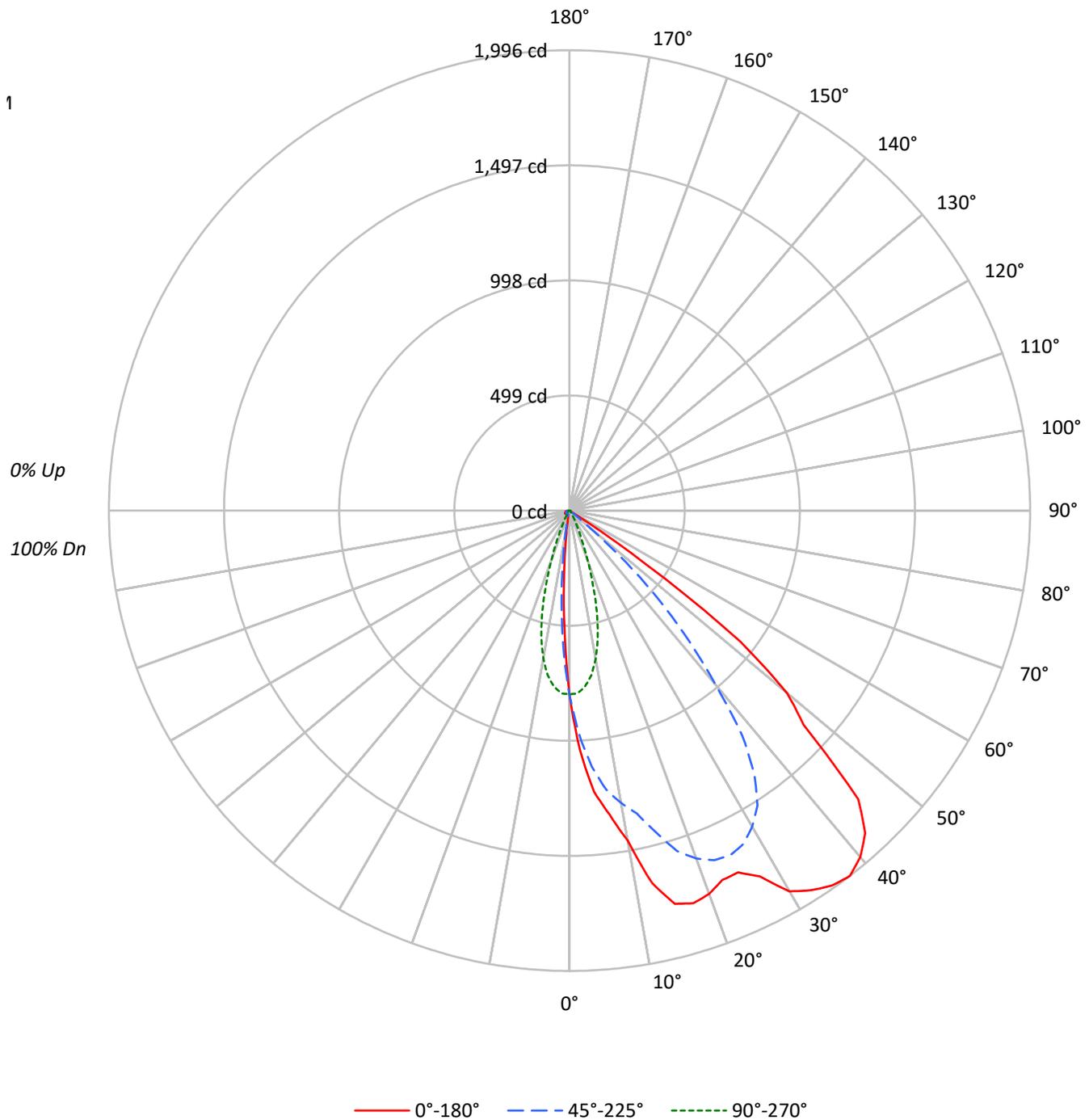
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1329.0 lumens
Efficiency: N/A
Efficacy: 62.7 lumens/watt
Spacing Criteria (0/90/45): 1.79 / 0.55 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	88	86	83	81
3	98	90	84	79	96	89	83	79	86	81	77	83	79	76	81	78	75	81	78	75	73
4	91	82	75	70	89	81	75	70	79	73	69	77	72	68	75	71	67	75	71	67	65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	69	64	61	59
6	80	69	62	56	78	68	61	56	66	60	56	65	59	55	63	59	55	63	59	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	59	54	50	48
8	70	58	51	46	68	58	51	46	57	50	46	55	50	46	54	49	45	54	49	45	44
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	50	45	41	40
10	62	50	43	39	61	50	43	38	49	43	38	48	42	38	47	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	137193	137193	137193	137193	137193
5°	211554	192589	132513	68063	44707
10°	254170	225105	114074	17156	6873
15°	314714	257088	81518	4743	3709
20°	324141	294102	42098	3171	3171
25°	328841	313259	16893	2850	3287
30°	379038	314745	7338	2983	3440
35°	417231	293439	3154	3154	3890
40°	440694	220864	1821	3642	4159
45°	431027	134956	1681	3946	5066
50°	329716	28776	1849	4635	5868
55°	120975	1051	2072	5195	6576
60°	1206	1206	2377	5959	7543
65°	1426	1426	2812	6113	7987
70°	1158	1762	2921	6999	9316
75°	799	1530	3061	7652	10780
80°	1190	2281	3471	8034	11406
85°	0	2371	4545	9090	11461

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 431027 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.1	5.3
10°-20°	200.8	15.1
20°-30°	308.1	23.2
30°-40°	359.0	27.0
40°-50°	286.9	21.6
50°-60°	84.9	6.4
60°-70°	9.1	0.7
70°-80°	7.1	0.5
80°-90°	3.0	0.2
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°	579.0	43.6
0°-40°	938.0	70.6
0°-60°	1309.8	98.5
0°-90°	1329.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1329.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	797	797	797	797	797	
5°	1224	1114	766	394	259	122
15°	1765	1442	457	27	21	487
25°	1730	1648	89	15	17	822
35°	1984	1396	15	15	18	1236
45°	1770	554	7	16	21	1276
55°	403	4	7	17	22	427
65°	4	4	7	15	20	3
75°	1	2	5	12	16	2
85°	0	1	2	5	6	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	796.6	796.6	796.6	796.6	796.6	796.6	796.6	796.6	796.6	796.6	796.6
2.5°	1039.0	1039.0	1035.5	1036.7	1034.4	1021.7	1019.4	1003.2	989.3	974.3	961.6
5°	1223.7	1226.0	1222.5	1215.6	1206.4	1197.1	1177.5	1162.5	1142.9	1114.0	1087.5
7.5°	1328.7	1326.4	1320.7	1318.4	1312.6	1302.2	1288.3	1272.2	1249.1	1220.2	1189.1
10°	1453.4	1433.8	1428.0	1418.8	1400.3	1379.5	1355.3	1333.4	1313.7	1287.2	1253.7
12.5°	1654.3	1650.8	1627.7	1610.4	1585.0	1538.9	1497.3	1448.8	1391.1	1344.9	1301.0
15°	1765.1	1767.4	1757.0	1743.2	1727.0	1688.9	1647.4	1590.8	1522.7	1441.9	1370.3
17.5°	1784.7	1788.2	1782.4	1776.7	1772.1	1750.1	1724.7	1684.3	1622.0	1546.9	1440.7
20°	1768.6	1775.5	1776.7	1783.6	1792.8	1783.6	1762.8	1735.1	1683.2	1604.7	1503.1
22.5°	1732.8	1745.5	1754.7	1779.0	1803.2	1803.2	1790.5	1768.6	1717.8	1640.4	1536.5
25°	1730.5	1732.8	1736.3	1775.5	1813.6	1821.7	1810.1	1787.1	1731.6	1648.5	1535.4
27.5°	1788.2	1773.2	1750.1	1789.4	1834.4	1841.3	1825.2	1794.0	1728.2	1630.1	1496.1
30°	1906.0	1872.5	1824.0	1852.9	1884.0	1875.9	1843.6	1794.0	1705.1	1582.7	1422.3
32.5°	1951.0	1932.5	1915.2	1946.4	1952.1	1918.7	1860.9	1787.1	1668.2	1515.8	1301.0
35°	1984.5	1985.6	1978.7	1984.5	1956.8	1909.4	1845.9	1749.0	1598.9	1395.7	1140.6
37.5°	1996.0	1998.3	1983.3	1962.5	1921.0	1866.7	1790.5	1679.7	1483.4	1230.6	898.1
40°	1960.2	1953.3	1929.1	1900.2	1855.2	1799.8	1716.6	1551.6	1311.4	982.4	700.7
42.5°	1896.7	1885.2	1856.3	1821.7	1774.4	1703.9	1571.2	1371.5	1065.5	766.5	490.6
45°	1769.7	1761.7	1725.9	1700.5	1643.9	1552.7	1381.9	1130.2	824.3	554.1	284.0
47.5°	1374.9	1376.1	1403.8	1416.5	1396.9	1324.1	1123.3	858.9	601.5	330.2	95.8
50°	1230.6	1224.9	1197.1	1159.0	1095.6	987.0	824.3	607.2	355.6	107.4	13.9
52.5°	933.9	933.9	920.1	900.5	833.5	728.4	557.6	335.9	124.7	18.5	3.5
55°	402.9	382.1	393.7	415.6	398.3	346.3	260.9	100.4	21.9	3.5	3.5
57.5°	5.8	13.9	20.8	33.5	45.0	54.3	28.9	10.4	3.5	3.5	3.5
60°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
62.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
65°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
67.5°	2.3	2.3	2.3	3.5	2.3	3.5	3.5	3.5	3.5	3.5	3.5
70°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	3.5	3.5
72.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
75°	1.2	1.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
77.5°	1.2	1.2	1.2	1.2	1.2	1.2	2.3	2.3	2.3	2.3	2.3
80°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.3	2.3	2.3
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.3	2.3
85°	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2
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):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	796.6	796.6	796.6	796.6	796.6	796.6	796.6	796.6
2.5°	943.2	923.5	891.2	793.1	691.5	598.0	531.0	505.6
5°	1057.5	1021.7	967.4	766.5	564.5	393.7	296.7	258.6
7.5°	1147.5	1101.3	1022.8	720.4	414.4	210.1	125.8	99.3
10°	1207.5	1156.7	1054.0	652.3	274.8	98.1	47.3	39.3
12.5°	1251.4	1187.9	1065.5	564.5	161.6	45.0	25.4	23.1
15°	1283.7	1201.8	1051.7	457.2	88.9	26.6	20.8	20.8
17.5°	1328.7	1208.7	1018.2	337.1	50.8	19.6	19.6	19.6
20°	1363.4	1208.7	954.7	229.7	31.2	17.3	17.3	17.3
22.5°	1380.7	1190.2	877.4	145.5	21.9	16.2	17.3	17.3
25°	1363.4	1145.2	778.1	88.9	17.3	15.0	16.2	17.3
27.5°	1299.9	1055.1	645.3	56.6	13.9	15.0	16.2	17.3
30°	1193.7	924.7	495.3	36.9	12.7	15.0	16.2	17.3
32.5°	1043.6	730.8	320.9	24.2	11.5	15.0	16.2	17.3
35°	815.0	517.2	193.9	15.0	11.5	15.0	17.3	18.5
37.5°	610.7	345.2	105.1	9.2	11.5	15.0	17.3	18.5
40°	423.7	200.9	45.0	8.1	11.5	16.2	18.5	18.5
42.5°	245.9	79.7	11.5	6.9	11.5	16.2	18.5	19.6
45°	90.0	16.2	3.5	6.9	12.7	16.2	18.5	20.8
47.5°	12.7	3.5	3.5	6.9	12.7	16.2	19.6	20.8
50°	3.5	3.5	3.5	6.9	12.7	17.3	20.8	21.9
52.5°	3.5	3.5	3.5	6.9	12.7	17.3	20.8	21.9
55°	3.5	3.5	3.5	6.9	12.7	17.3	20.8	21.9
57.5°	3.5	3.5	3.5	6.9	12.7	17.3	20.8	21.9
60°	3.5	3.5	3.5	6.9	11.5	17.3	20.8	21.9
62.5°	3.5	3.5	3.5	6.9	11.5	16.2	19.6	20.8
65°	3.5	3.5	3.5	6.9	10.4	15.0	19.6	19.6
67.5°	3.5	3.5	3.5	5.8	10.4	15.0	18.5	19.6
70°	3.5	3.5	3.5	5.8	9.2	13.9	17.3	18.5
72.5°	3.5	3.5	3.5	4.6	8.1	12.7	16.2	17.3
75°	2.3	3.5	3.5	4.6	8.1	11.5	15.0	16.2
77.5°	2.3	3.5	3.5	3.5	6.9	9.2	12.7	13.9
80°	2.3	2.3	3.5	3.5	5.8	8.1	10.4	11.5
82.5°	2.3	2.3	2.3	3.5	4.6	5.8	8.1	8.1
85°	2.3	2.3	2.3	2.3	3.5	4.6	5.8	5.8
87.5°	1.2	1.2	2.3	2.3	2.3	2.3	2.3	2.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)