

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: P1318719

Luminaire Tested: LDSQA3D20R659830D010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318719
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-68)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R659830D010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R65 optic, 3000K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

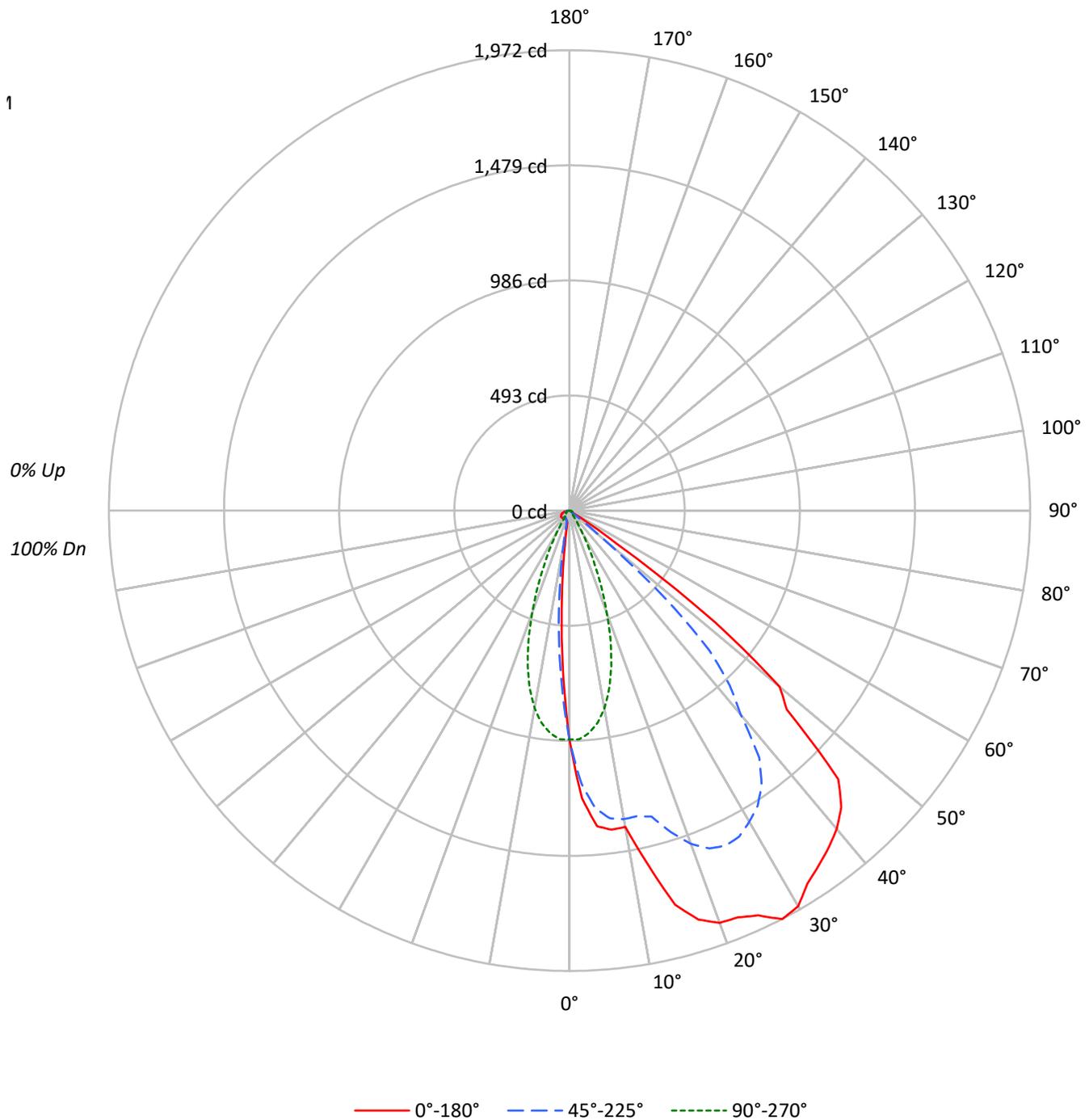
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1469.0 lumens
Efficiency: N/A
Efficacy: 53.6 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.64 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90	90	
2	105	99	94	90	102	97	92	88	94	90	87	91	87	85	88	85	83	81	81	
3	98	90	84	79	96	88	83	78	86	81	77	83	79	75	81	77	74	72	72	
4	91	82	75	70	89	81	74	69	78	73	68	76	71	67	74	70	67	65	65	
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58	58	
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53	53	
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48	48	
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	43	43	
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	40	40	
10	62	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	36	36	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	168795	168795	168795	168795	168795
5°	234616	221425	165205	90780	63862
10°	240547	234671	150309	25358	9339
15°	311647	241968	123026	8166	7899
20°	344411	278395	85608	7276	7551
25°	363483	300831	48438	6955	7544
30°	389200	306014	21855	6980	7895
35°	390614	301386	7064	7380	8662
40°	400181	256026	4811	7891	9600
45°	396345	206368	4822	8549	10400
50°	314524	48683	4903	9404	11869
55°	74705	2762	5044	10539	13302
60°	2618	3169	5787	11057	14191
65°	3097	3097	5583	11818	15567
70°	2316	3072	5388	11531	16164
75°	2063	3061	5057	12177	16236
80°	1488	3075	6050	12100	16662
85°	2964	6126	6126	12054	15018

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 10°
 Vertical Angle: 45°
 Luminance: 397100 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.8	5.6
10°-20°	215.4	14.7
20°-30°	338.3	23.0
30°-40°	387.1	26.3
40°-50°	311.1	21.2
50°-60°	101.2	6.9
60°-70°	18.0	1.2
70°-80°	11.9	0.8
80°-90°	4.3	0.3
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°	635.5	43.3
0°-40°	1022.6	69.6
0°-60°	1434.9	97.7
0°-90°	1469.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1469.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	980	980	980	980	980	
5°	1357	1281	956	525	369	128
15°	1748	1357	690	46	44	487
25°	1913	1583	255	37	40	891
35°	1858	1434	34	35	41	1167
45°	1627	847	20	35	43	1171
55°	249	9	17	35	44	356
65°	8	8	14	29	38	7
75°	3	5	8	18	24	4
85°	2	3	3	6	8	1
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°	980.1	980.1	980.1	980.1	980.1	980.1	980.1	980.1	980.1	980.1	980.1
2.5°	1233.5	1228.9	1235.0	1224.3	1222.8	1212.1	1206.0	1203.0	1189.2	1170.9	1154.1
5°	1357.1	1338.8	1343.4	1341.9	1334.2	1329.7	1323.6	1315.9	1297.6	1280.8	1259.4
7.5°	1378.5	1363.2	1366.3	1367.8	1363.2	1361.7	1360.2	1357.1	1344.9	1329.7	1311.3
10°	1375.5	1360.2	1358.7	1354.1	1349.5	1351.0	1351.0	1351.0	1348.0	1341.9	1335.8
12.5°	1552.5	1531.2	1526.6	1494.5	1465.5	1415.1	1383.1	1352.6	1338.8	1340.3	1335.8
15°	1747.9	1746.4	1731.2	1700.6	1651.8	1606.0	1532.7	1477.7	1407.5	1357.1	1335.8
17.5°	1836.5	1835.0	1821.2	1795.3	1760.2	1717.4	1664.0	1599.9	1522.0	1444.2	1380.0
20°	1879.2	1889.9	1874.7	1853.3	1819.7	1780.0	1729.6	1671.6	1598.3	1519.0	1442.6
22.5°	1885.3	1899.1	1885.3	1870.1	1845.6	1819.7	1777.0	1717.4	1642.6	1566.3	1491.5
25°	1912.8	1917.4	1888.4	1868.5	1845.6	1827.3	1793.7	1741.8	1665.5	1583.1	1509.8
27.5°	1972.4	1952.5	1891.4	1864.0	1842.6	1825.8	1793.7	1740.3	1657.9	1573.9	1497.6
30°	1957.1	1949.5	1896.0	1870.1	1851.8	1835.0	1795.3	1726.6	1627.3	1538.8	1459.4
32.5°	1894.5	1909.8	1891.4	1882.3	1873.1	1851.8	1793.7	1700.6	1589.2	1499.1	1392.2
35°	1857.9	1876.2	1877.7	1877.7	1867.0	1835.0	1766.3	1662.5	1551.0	1433.5	1290.0
37.5°	1821.2	1836.5	1845.6	1851.8	1836.5	1790.7	1703.7	1610.6	1488.4	1334.2	1082.4
40°	1780.0	1790.7	1798.3	1801.4	1778.5	1718.9	1639.6	1534.2	1396.8	1138.8	966.3
42.5°	1722.0	1728.1	1726.6	1725.0	1700.6	1635.0	1560.2	1450.3	1178.5	1015.2	806.0
45°	1627.3	1621.2	1630.4	1630.4	1598.3	1549.5	1450.3	1236.5	1054.9	847.3	519.0
47.5°	1261.0	1265.5	1309.8	1381.6	1425.8	1412.1	1277.8	1082.4	886.9	555.7	172.5
50°	1173.9	1169.4	1170.9	1178.5	1183.1	1144.9	1048.8	914.4	586.2	181.7	12.2
52.5°	787.7	792.3	827.4	908.3	934.3	906.8	815.2	610.6	213.7	12.2	10.7
55°	248.8	265.6	285.5	328.2	403.0	450.3	441.2	216.8	13.7	9.2	10.7
57.5°	9.2	9.2	12.2	21.4	41.2	67.2	70.2	13.7	10.7	10.7	10.7
60°	7.6	7.6	7.6	7.6	7.6	7.6	9.2	9.2	9.2	9.2	9.2
62.5°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	9.2	9.2	9.2	9.2
65°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	9.2
67.5°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	7.6	7.6	7.6	7.6
70°	4.6	4.6	4.6	6.1	6.1	6.1	6.1	6.1	6.1	6.1	7.6
72.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	6.1	6.1	6.1
75°	3.1	3.1	3.1	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
77.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.6	4.6	4.6
80°	1.5	1.5	1.5	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.6
82.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.1	3.1	3.1
85°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.1	3.1
87.5°	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5
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°	980.1	980.1	980.1	980.1	980.1	980.1	980.1	980.1
2.5°	1144.9	1126.6	1090.0	980.1	865.6	751.1	679.3	661.0
5°	1235.0	1213.6	1161.7	955.6	723.6	525.1	412.2	369.4
7.5°	1290.0	1264.0	1203.0	917.5	563.3	305.3	183.2	146.6
10°	1314.4	1291.5	1222.8	859.5	407.6	145.0	64.1	53.4
12.5°	1325.1	1306.8	1230.4	783.1	265.6	64.1	47.3	45.8
15°	1329.7	1309.8	1227.4	690.0	151.1	45.8	44.3	44.3
17.5°	1334.2	1311.3	1209.1	583.2	84.0	42.7	41.2	42.7
20°	1370.9	1305.2	1177.0	467.1	55.0	39.7	39.7	41.2
22.5°	1407.5	1303.7	1120.5	357.2	42.7	38.2	39.7	39.7
25°	1419.7	1288.4	1048.8	254.9	36.6	36.6	38.2	39.7
27.5°	1396.8	1244.2	952.6	172.5	32.1	36.6	38.2	39.7
30°	1343.4	1169.4	836.6	109.9	30.5	35.1	38.2	39.7
32.5°	1244.2	1021.3	706.8	65.6	29.0	35.1	39.7	39.7
35°	1045.7	856.4	560.3	33.6	29.0	35.1	39.7	41.2
37.5°	914.4	714.4	390.8	22.9	29.0	35.1	39.7	41.2
40°	758.7	516.0	163.3	21.4	29.0	35.1	39.7	42.7
42.5°	525.1	224.4	26.0	19.8	27.5	35.1	41.2	42.7
45°	189.3	29.0	12.2	19.8	27.5	35.1	41.2	42.7
47.5°	16.8	10.7	12.2	19.8	27.5	35.1	41.2	44.3
50°	10.7	10.7	10.7	18.3	27.5	35.1	41.2	44.3
52.5°	10.7	10.7	10.7	18.3	26.0	35.1	42.7	44.3
55°	10.7	10.7	10.7	16.8	26.0	35.1	41.2	44.3
57.5°	10.7	10.7	12.2	16.8	26.0	33.6	41.2	42.7
60°	10.7	10.7	10.7	16.8	24.4	32.1	39.7	41.2
62.5°	9.2	10.7	10.7	15.3	22.9	30.5	38.2	39.7
65°	9.2	9.2	10.7	13.7	21.4	29.0	35.1	38.2
67.5°	7.6	9.2	9.2	12.2	18.3	26.0	32.1	35.1
70°	7.6	7.6	7.6	10.7	16.8	22.9	30.5	32.1
72.5°	6.1	7.6	7.6	9.2	13.7	19.8	26.0	29.0
75°	6.1	6.1	6.1	7.6	12.2	18.3	22.9	24.4
77.5°	4.6	4.6	6.1	6.1	10.7	13.7	19.8	21.4
80°	4.6	4.6	4.6	6.1	7.6	12.2	15.3	16.8
82.5°	3.1	3.1	3.1	4.6	6.1	7.6	10.7	12.2
85°	3.1	3.1	3.1	3.1	4.6	6.1	7.6	7.6
87.5°	1.5	1.5	1.5	3.1	3.1	3.1	3.1	3.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)