

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: P1312780

Luminaire Tested: LDSQA3D17R609050DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312780
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-67)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R609050DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 5000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

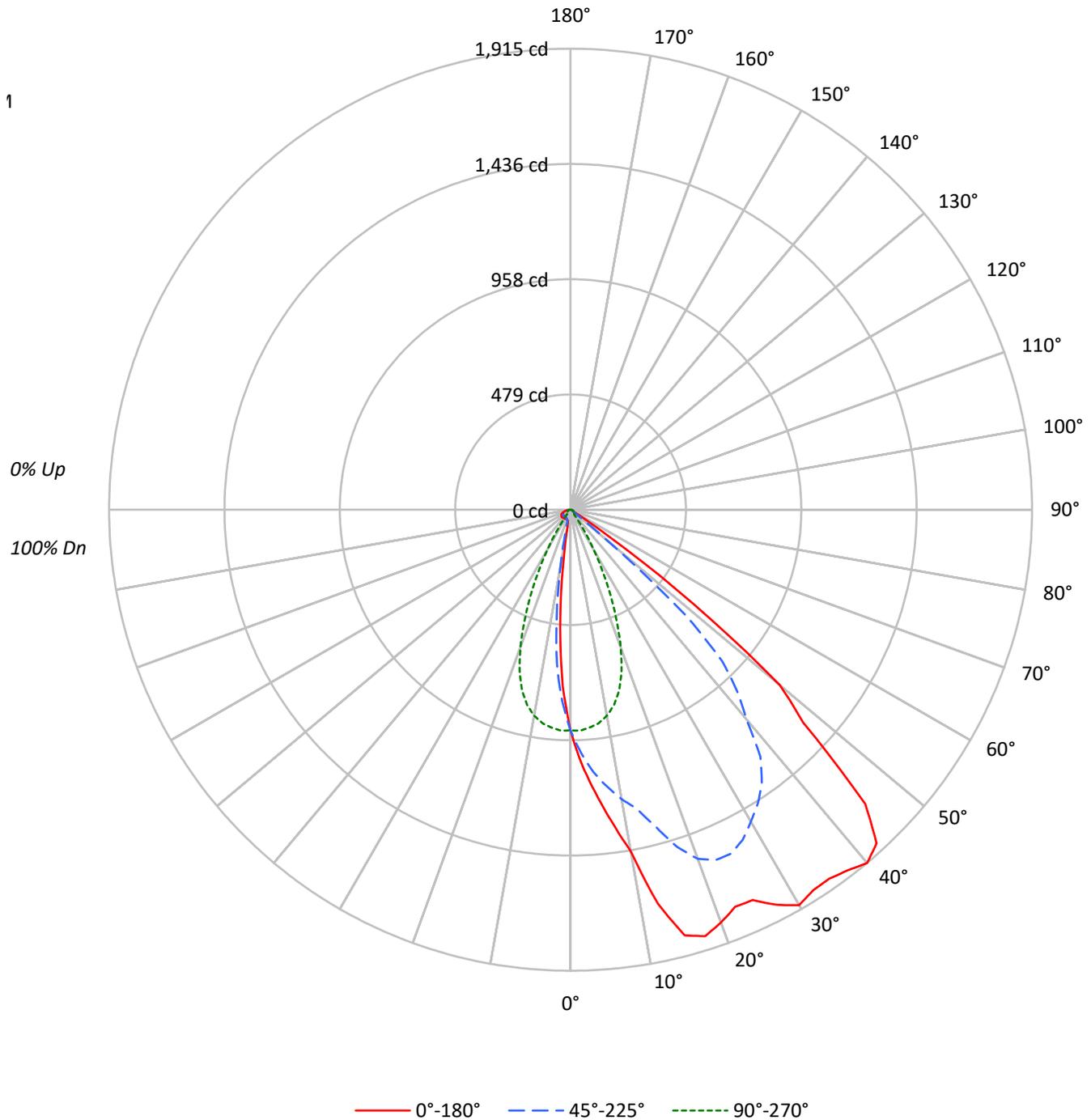
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1489.0 lumens
Efficiency: N/A
Efficacy: 70.2 lumens/watt
Spacing Criteria (0/90/45): 1.62 / 0.77 / 1.26
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 (A_{in}): 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	100
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90	90	90
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	81	81	81
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	72	72	72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65	65	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58	58	58
6	79	68	61	56	78	67	61	55	66	60	55	64	59	55	63	58	54	52	52	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47	47	47
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43	43	43
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39	39	39
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	36	36	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	157859	157859	157859	157859	157859
5°	203913	189321	156993	111802	85299
10°	251984	213388	151935	42286	12539
15°	326357	242878	138609	9271	8273
20°	334423	282904	111560	7734	7991
25°	339806	299463	74794	7487	8019
30°	377129	297463	38580	7557	8392
35°	393389	290832	10638	7989	9167
40°	430464	255059	5058	8543	10117
45°	421139	216744	5139	9255	11301
50°	303592	53479	5653	10181	12432
55°	58251	3363	5915	10990	13932
60°	2893	3376	5821	11608	15018
65°	2853	3423	5746	12022	16056
70°	2820	3525	5640	12035	16265
75°	2795	3726	5590	12177	16835
80°	1389	4166	5554	12596	16761
85°	2766	2766	5533	11066	16599

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 421139 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.7	5.4
10°-20°	220.1	14.8
20°-30°	338.7	22.7
30°-40°	397.4	26.7
40°-50°	318.7	21.4
50°-60°	99.0	6.6
60°-70°	18.7	1.3
70°-80°	12.4	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°	638.5	42.9
0°-40°	1035.9	69.6
0°-60°	1453.6	97.6
0°-90°	1489.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1489.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	917	917	917	917	917	
5°	1180	1095	908	647	493	120
15°	1830	1362	777	52	46	501
25°	1788	1576	394	39	42	844
35°	1871	1383	51	38	44	1184
45°	1729	890	21	38	46	1237
55°	194	11	20	37	46	307
65°	7	8	14	30	39	7
75°	4	6	8	18	25	4
85°	1	1	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°	916.6	916.6	916.6	916.6	916.6	916.6	916.6	916.6	916.6	916.6	916.6
2.5°	1057.2	1045.9	1045.9	1041.7	1037.5	1038.9	1027.6	1031.9	1020.6	1012.2	1005.1
5°	1179.5	1165.4	1164.0	1157.0	1149.9	1144.3	1130.3	1121.8	1105.0	1095.1	1074.0
7.5°	1306.0	1294.7	1287.7	1279.3	1266.6	1252.6	1228.7	1213.2	1186.5	1159.8	1133.1
10°	1440.9	1431.1	1415.6	1405.8	1370.7	1348.2	1315.8	1294.7	1255.4	1220.2	1179.5
12.5°	1677.1	1671.5	1642.0	1622.3	1571.7	1526.7	1456.4	1400.2	1329.9	1272.3	1217.4
15°	1830.4	1823.3	1807.9	1789.6	1757.3	1706.6	1643.4	1564.7	1466.3	1362.2	1269.4
17.5°	1857.1	1858.5	1848.6	1844.4	1823.3	1791.0	1740.4	1681.3	1582.9	1467.7	1341.1
20°	1824.7	1836.0	1833.2	1841.6	1845.8	1833.2	1799.4	1741.8	1656.0	1543.6	1401.6
22.5°	1785.4	1795.2	1792.4	1807.9	1831.8	1844.4	1833.2	1786.8	1699.6	1574.5	1435.3
25°	1788.2	1795.2	1774.1	1784.0	1814.9	1845.8	1847.2	1806.5	1712.3	1575.9	1432.5
27.5°	1850.0	1828.9	1781.2	1776.9	1814.9	1854.3	1857.1	1806.5	1694.0	1546.4	1404.4
30°	1896.4	1881.0	1827.5	1820.5	1857.1	1883.8	1869.7	1791.0	1650.4	1495.8	1363.6
32.5°	1873.9	1876.7	1854.3	1876.7	1924.5	1935.8	1876.7	1754.4	1590.0	1446.6	1315.8
35°	1871.1	1882.4	1895.0	1930.2	1962.5	1935.8	1841.6	1685.6	1525.3	1383.3	1241.3
37.5°	1888.0	1906.3	1924.5	1955.5	1955.5	1886.6	1748.8	1598.4	1448.0	1293.3	1086.7
40°	1914.7	1925.9	1931.6	1928.8	1890.8	1789.6	1643.4	1493.0	1349.6	1134.5	984.1
42.5°	1879.6	1878.2	1872.5	1848.6	1778.3	1646.2	1509.8	1387.5	1161.2	1023.4	851.9
45°	1729.1	1729.1	1713.7	1675.7	1611.0	1501.4	1380.5	1202.0	1058.6	889.9	632.6
47.5°	1308.8	1299.0	1315.8	1338.3	1338.3	1328.5	1218.8	1064.2	918.0	642.5	202.4
50°	1133.1	1117.6	1096.5	1100.7	1097.9	1109.2	1038.9	922.2	679.0	199.6	14.1
52.5°	641.0	669.2	738.0	835.0	878.6	894.1	850.5	701.5	229.1	12.7	11.2
55°	194.0	199.6	226.3	278.3	378.2	483.6	490.6	227.7	15.5	11.2	11.2
57.5°	8.4	8.4	11.2	16.9	39.4	59.0	63.3	14.1	9.8	11.2	11.2
60°	8.4	8.4	8.4	8.4	8.4	8.4	9.8	9.8	9.8	9.8	11.2
62.5°	7.0	7.0	8.4	8.4	8.4	8.4	8.4	8.4	9.8	9.8	9.8
65°	7.0	7.0	7.0	7.0	7.0	7.0	8.4	8.4	8.4	8.4	9.8
67.5°	5.6	5.6	5.6	7.0	7.0	7.0	7.0	7.0	8.4	8.4	8.4
70°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	7.0	7.0	7.0	7.0
72.5°	4.2	4.2	4.2	4.2	4.2	5.6	5.6	5.6	5.6	5.6	7.0
75°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	5.6	5.6	5.6	5.6
77.5°	2.8	2.8	2.8	2.8	2.8	4.2	4.2	4.2	4.2	4.2	4.2
80°	1.4	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	4.2	4.2
82.5°	1.4	1.4	1.4	1.4	1.4	1.4	2.8	2.8	2.8	2.8	2.8
85°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8
87.5°	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4
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°	916.6	916.6	916.6	916.6	916.6	916.6	916.6	916.6
2.5°	995.3	984.1	971.4	918.0	866.0	795.7	747.9	733.8
5°	1055.8	1037.5	1009.4	908.1	785.8	646.7	534.2	493.4
7.5°	1106.4	1078.2	1038.9	894.1	690.2	438.6	282.6	239.0
10°	1142.9	1107.8	1057.2	868.8	563.7	241.8	95.6	71.7
12.5°	1173.8	1127.5	1067.0	830.8	410.5	98.4	49.2	49.2
15°	1194.9	1138.7	1071.2	777.4	265.7	52.0	46.4	46.4
17.5°	1224.5	1151.4	1071.2	702.9	144.8	45.0	45.0	45.0
20°	1272.3	1164.0	1055.8	608.7	80.1	42.2	43.6	43.6
22.5°	1297.6	1182.3	1036.1	499.1	50.6	40.8	42.2	42.2
25°	1303.2	1179.5	993.9	393.6	40.8	39.4	40.8	42.2
27.5°	1283.5	1159.8	937.7	286.8	36.6	38.0	40.8	42.2
30°	1248.4	1112.0	847.7	194.0	33.7	38.0	40.8	42.2
32.5°	1182.3	996.7	742.3	116.7	32.3	38.0	40.8	43.6
35°	1034.7	875.8	621.4	50.6	30.9	38.0	42.2	43.6
37.5°	927.8	754.9	480.8	25.3	30.9	38.0	42.2	45.0
40°	809.7	607.3	222.1	22.5	30.9	38.0	42.2	45.0
42.5°	617.1	281.2	26.7	22.5	29.5	38.0	43.6	45.0
45°	224.9	29.5	14.1	21.1	29.5	38.0	43.6	46.4
47.5°	16.9	11.2	12.7	21.1	29.5	38.0	43.6	46.4
50°	11.2	11.2	12.7	21.1	29.5	38.0	43.6	46.4
52.5°	11.2	12.7	12.7	19.7	28.1	38.0	43.6	46.4
55°	11.2	12.7	12.7	19.7	28.1	36.6	43.6	46.4
57.5°	11.2	11.2	12.7	18.3	26.7	35.1	43.6	45.0
60°	11.2	11.2	12.7	16.9	25.3	33.7	40.8	43.6
62.5°	11.2	11.2	11.2	15.5	23.9	32.3	39.4	42.2
65°	9.8	9.8	11.2	14.1	21.1	29.5	36.6	39.4
67.5°	8.4	9.8	9.8	12.7	19.7	26.7	33.7	36.6
70°	8.4	8.4	8.4	11.2	16.9	23.9	30.9	32.3
72.5°	7.0	7.0	8.4	9.8	15.5	21.1	28.1	29.5
75°	5.6	7.0	7.0	8.4	12.7	18.3	23.9	25.3
77.5°	5.6	5.6	5.6	7.0	11.2	15.5	19.7	21.1
80°	4.2	4.2	4.2	5.6	8.4	12.7	15.5	16.9
82.5°	2.8	4.2	4.2	4.2	7.0	8.4	11.2	12.7
85°	2.8	2.8	2.8	2.8	4.2	5.6	7.0	8.4
87.5°	1.4	1.4	2.8	2.8	2.8	2.8	2.8	4.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)