

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: P1311701

Luminaire Tested: LDSQA3D17R609040DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311701
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-55)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R609040DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 90CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

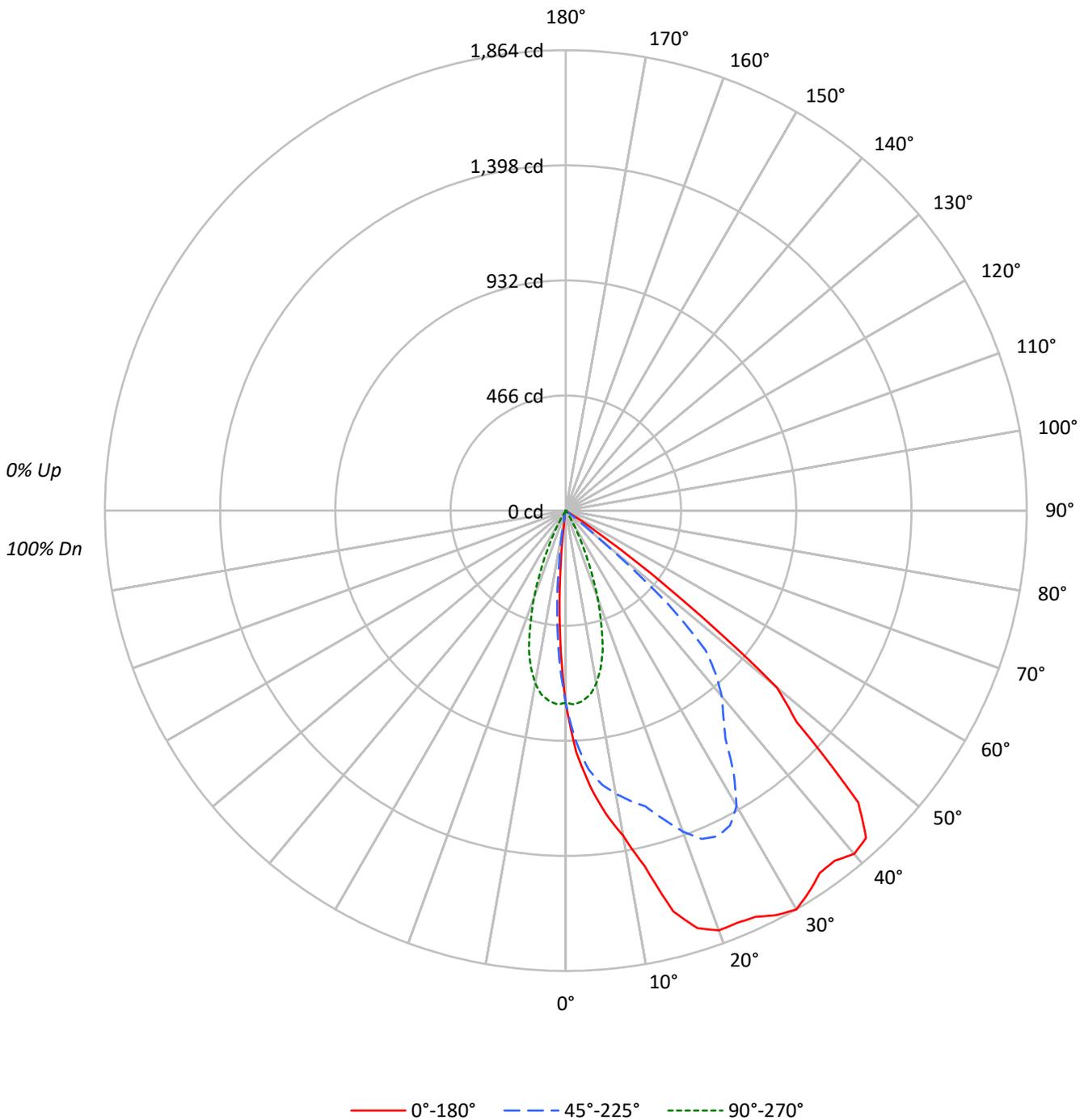
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1265.0 lumens
Efficiency: N/A
Efficacy: 59.7 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
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		
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	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74		
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66		
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	69	65	61	60		
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54		
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40		
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	134041	134041	134041	134041	134041
5°	193211	181957	133844	68945	44292
10°	233709	203437	124234	8237	4844
15°	299523	221000	102967	5438	4440
20°	331490	253305	69040	3042	513
25°	344746	276318	33958	266	0
30°	370705	274574	9367	0	0
35°	376486	236421	0	0	0
40°	407870	220437	0	0	0
45°	407451	194628	0	0	0
50°	298341	47129	0	0	0
55°	58221	0	0	0	0
60°	0	0	0	0	0
65°	0	571	571	0	0
70°	0	705	705	0	0
75°	0	932	932	0	0
80°	0	1389	1389	1389	0
85°	0	2766	2766	2766	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°
 Vertical Angle: 45°
 Luminance: 408133 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.8	5.3
10°-20°	190.4	15.0
20°-30°	303.3	24.0
30°-40°	350.6	27.7
40°-50°	278.5	22.0
50°-60°	73.3	5.8
60°-70°	0.5	0.0
70°-80°	0.8	0.1
80°-90°	0.8	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°	560.5	44.3
0°-40°	911.1	72.0
0°-60°	1262.9	99.8
0°-90°	1265.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1265.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	778	778	778	778	778	
5°	1118	1052	774	399	256	113
15°	1680	1240	578	30	25	468
25°	1814	1454	179	1	0	846
35°	1791	1124	0	0	0	1137
45°	1673	799	0	0	0	1191
55°	194	0	0	0	0	292
65°	0	1	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	1	1	0	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°	778.3	778.3	778.3	778.3	778.3	778.3	778.3	778.3	778.3	778.3	778.3
2.5°	979.1	988.8	984.7	980.5	970.8	966.7	966.7	955.6	937.6	934.8	922.3
5°	1117.6	1120.4	1120.4	1117.6	1110.7	1099.6	1096.8	1085.8	1069.1	1052.5	1035.9
7.5°	1238.1	1236.7	1228.4	1222.9	1210.4	1195.2	1181.3	1166.1	1141.2	1119.0	1095.4
10°	1336.4	1340.6	1333.7	1319.8	1303.2	1282.4	1260.3	1233.9	1196.5	1163.3	1132.8
12.5°	1474.9	1473.5	1455.5	1432.0	1391.8	1353.0	1318.4	1289.3	1243.6	1203.5	1166.1
15°	1679.9	1677.1	1660.5	1639.7	1581.5	1523.4	1463.8	1382.1	1306.0	1239.5	1186.9
17.5°	1772.7	1778.2	1764.4	1753.3	1720.0	1681.3	1628.6	1546.9	1429.2	1308.7	1197.9
20°	1808.7	1815.6	1805.9	1804.5	1789.3	1771.3	1728.3	1639.7	1524.8	1382.1	1245.0
22.5°	1807.3	1812.8	1808.7	1826.7	1844.7	1835.0	1782.4	1693.7	1576.0	1438.9	1283.8
25°	1814.2	1810.1	1794.8	1821.1	1847.4	1839.1	1812.8	1736.7	1607.9	1454.1	1297.6
27.5°	1846.1	1815.6	1785.1	1818.4	1830.8	1833.6	1818.4	1728.3	1602.3	1437.5	1269.9
30°	1864.1	1830.8	1805.9	1833.6	1833.6	1848.8	1817.0	1714.5	1555.2	1380.7	1196.5
32.5°	1830.8	1823.9	1846.1	1873.8	1880.7	1880.7	1810.1	1668.8	1476.3	1264.4	1078.8
35°	1790.7	1807.3	1871.0	1883.5	1883.5	1853.0	1767.1	1588.5	1358.6	1124.5	991.6
37.5°	1786.5	1812.8	1883.5	1868.2	1843.3	1786.5	1661.9	1448.6	1191.0	1045.6	926.5
40°	1814.2	1839.1	1880.7	1825.3	1765.7	1677.1	1527.5	1265.8	1089.9	980.5	847.6
42.5°	1797.6	1821.1	1822.5	1740.8	1656.3	1535.8	1337.8	1117.6	1016.5	897.4	757.5
45°	1672.9	1675.7	1670.2	1582.9	1495.7	1371.0	1160.5	1044.2	936.2	799.1	556.7
47.5°	1264.4	1258.9	1279.6	1254.7	1258.9	1184.1	1053.9	958.3	829.5	560.9	169.0
50°	1113.5	1106.5	1085.8	1063.6	1041.4	1005.4	944.5	842.0	598.3	175.9	5.5
52.5°	596.9	630.1	695.2	794.9	832.3	829.5	783.8	623.2	188.3	1.4	0.0
55°	193.9	191.1	213.3	252.1	346.2	398.8	415.5	211.9	4.2	0.0	0.0
57.5°	0.0	0.0	0.0	4.2	13.8	36.0	47.1	2.8	0.0	1.4	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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°	778.3	778.3	778.3	778.3	778.3	778.3	778.3	778.3
2.5°	905.7	886.3	864.2	785.2	692.4	602.4	537.3	520.7
5°	1009.6	976.3	929.3	774.2	572.0	398.8	285.3	256.2
7.5°	1063.6	1034.5	984.7	752.0	443.2	196.7	73.4	49.9
10°	1096.8	1062.2	1006.8	710.4	289.4	47.1	26.3	27.7
12.5°	1120.4	1080.2	1017.9	650.9	146.8	23.5	33.2	34.6
15°	1130.1	1087.1	1016.5	577.5	52.6	30.5	29.1	24.9
17.5°	1124.5	1070.5	998.5	472.2	18.0	29.1	15.2	12.5
20°	1117.6	1056.7	969.4	376.7	15.2	16.6	5.5	2.8
22.5°	1139.8	1033.1	929.3	270.1	15.2	5.5	0.0	0.0
25°	1142.5	1023.4	878.0	178.7	6.9	1.4	0.0	0.0
27.5°	1114.8	966.7	799.1	105.3	0.0	0.0	0.0	0.0
30°	1026.2	896.0	714.6	47.1	0.0	0.0	0.0	0.0
32.5°	939.0	817.1	620.4	11.1	0.0	0.0	0.0	0.0
35°	869.7	735.4	516.6	0.0	0.0	0.0	0.0	0.0
37.5°	783.8	638.4	385.0	0.0	0.0	0.0	0.0	0.0
40°	693.8	515.2	192.5	0.0	0.0	0.0	0.0	0.0
42.5°	541.5	245.1	19.4	0.0	0.0	0.0	0.0	0.0
45°	207.7	22.2	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0
65°	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0
67.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0
70°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0
72.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0
75°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0
77.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0
80°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0
82.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0
85°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0
87.5°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)