

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: P1312612

Luminaire Tested: LDSQA3D13R559050DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312612
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-54)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R559050DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R55 optic, 5000K CCT AND, 90CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

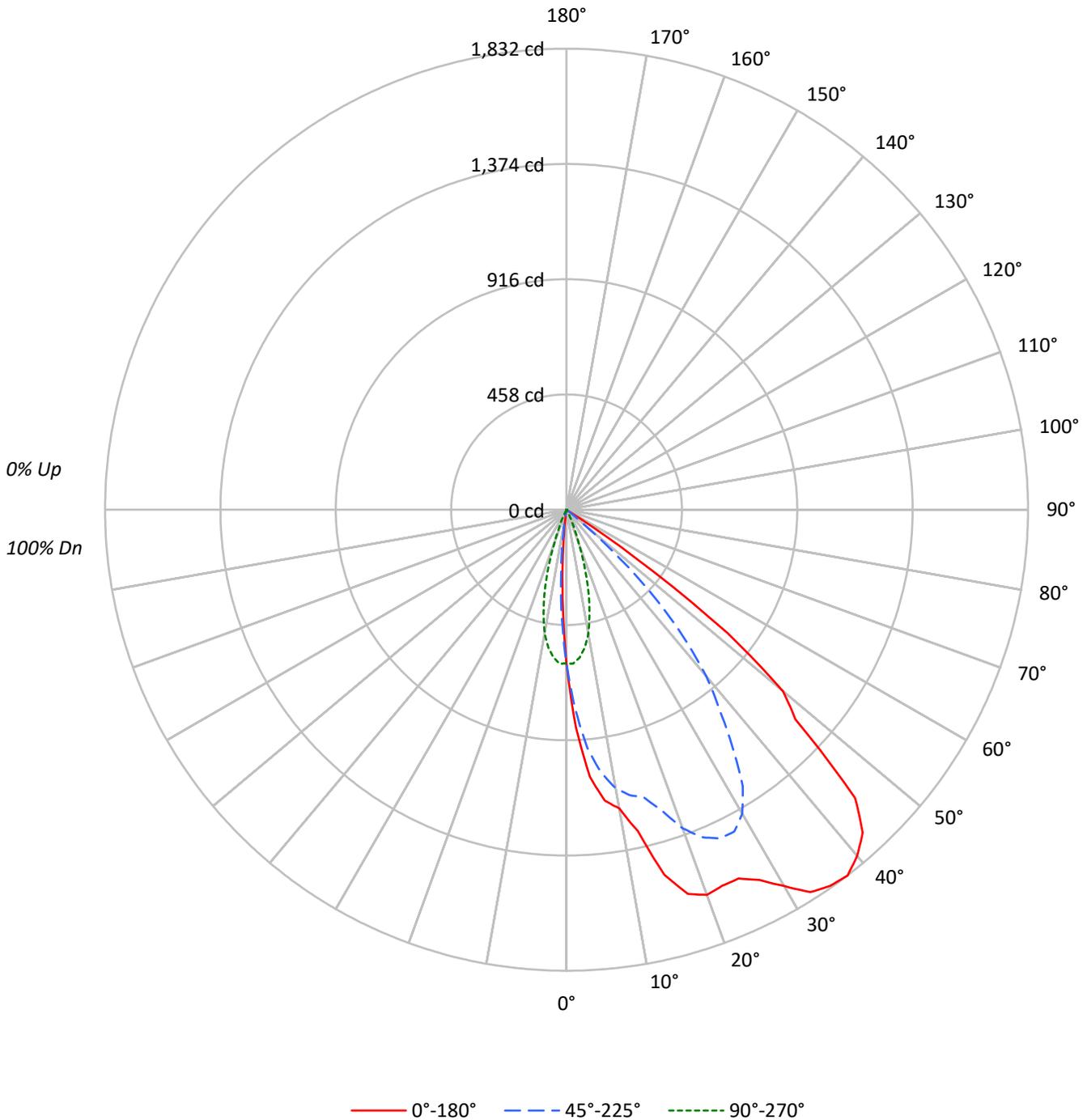
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1129.1 lumens
Efficiency: N/A
Efficacy: 77.3 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
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 (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	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	104	110	107	104	102	103	101	99	99	97	96	96	94	93	96	94	93	91
2	105	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	88	86	84	82
3	98	90	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	81	78	75	73
4	92	82	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	75	71	68	66
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	69	64	61	59
6	80	69	62	56	78	68	61	56	66	60	56	65	60	55	64	59	55	64	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	56	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	38	60	49	43	38	49	42	38	48	42	38	47	42	38	47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	105073	105073	105073	105073	105073
5°	184152	164167	101982	42373	24393
10°	210782	196495	87212	4634	1661
15°	267857	210927	59783	945	571
20°	298482	246762	26245	0	0
25°	307254	273790	7468	0	0
30°	343282	277457	1054	0	0
35°	383676	240920	0	0	0
40°	403598	193930	0	0	0
45°	394591	122486	0	0	0
50°	300484	25025	0	0	0
55°	98426	0	0	0	0
60°	0	0	0	0	0
65°	0	448	448	0	0
70°	0	554	554	0	0
75°	0	732	732	0	0
80°	0	1091	2083	1091	0
85°	0	2174	2174	2174	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 394591 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.7	4.9
10°-20°	163.4	14.5
20°-30°	265.7	23.5
30°-40°	315.7	28.0
40°-50°	258.2	22.9
50°-60°	68.4	6.1
60°-70°	0.4	0.0
70°-80°	0.7	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°	484.8	42.9
0°-40°	800.5	70.9
0°-60°	1127.1	99.8
0°-90°	1129.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1129.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	610	610	610	610	610	
5°	1065	950	590	245	141	104
15°	1502	1183	335	5	3	420
25°	1617	1441	39	0	0	761
35°	1825	1146	0	0	0	1135
45°	1620	503	0	0	0	1163
55°	328	0	0	0	0	369
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°	67.5°
0°	610.1	610.1	610.1	610.1	610.1	610.1	610.1	610.1	610.1	610.1	610.1
2.5°	865.8	859.4	860.5	857.3	860.5	846.7	831.8	818.0	807.4	792.6	702.4
5°	1065.2	1054.6	1051.4	1047.2	1042.9	1026.0	1012.2	995.2	975.0	949.6	784.1
7.5°	1166.0	1157.5	1153.3	1155.4	1145.9	1139.5	1121.5	1102.4	1081.1	1053.6	845.6
10°	1205.3	1196.8	1195.7	1194.7	1193.6	1189.4	1180.9	1163.9	1144.8	1123.6	880.6
12.5°	1308.2	1289.1	1276.4	1261.5	1243.5	1220.1	1201.0	1186.2	1178.7	1161.8	896.5
15°	1502.3	1484.3	1470.5	1451.4	1417.5	1367.6	1322.0	1263.6	1212.7	1183.0	890.2
17.5°	1600.0	1591.5	1579.8	1567.1	1543.7	1507.6	1461.0	1399.4	1334.7	1250.9	859.4
20°	1628.6	1624.4	1615.9	1610.6	1594.7	1569.2	1537.4	1489.6	1429.1	1346.4	811.6
22.5°	1616.9	1620.1	1624.4	1638.2	1640.3	1622.2	1592.5	1546.9	1485.4	1409.0	738.4
25°	1616.9	1614.8	1614.8	1643.5	1661.5	1653.0	1631.8	1590.4	1527.8	1440.8	648.3
27.5°	1658.3	1645.6	1619.1	1648.8	1678.5	1675.3	1656.2	1607.4	1537.4	1441.9	537.9
30°	1726.2	1698.6	1655.1	1682.7	1710.3	1698.6	1667.9	1605.3	1516.1	1395.2	403.2
32.5°	1801.5	1788.8	1766.5	1784.6	1780.3	1733.6	1678.5	1591.5	1472.6	1301.8	271.6
35°	1824.9	1827.0	1812.2	1809.0	1784.6	1736.8	1678.5	1552.2	1381.4	1145.9	161.3
37.5°	1832.3	1833.4	1810.0	1780.3	1744.2	1688.0	1618.0	1471.6	1212.7	995.2	85.9
40°	1795.2	1794.1	1755.9	1719.8	1679.5	1624.4	1522.5	1301.8	1052.5	862.6	30.8
42.5°	1740.0	1726.2	1690.1	1645.6	1596.8	1527.8	1368.7	1099.2	914.6	690.7	2.1
45°	1620.1	1607.4	1578.7	1531.0	1476.9	1379.3	1127.8	944.3	743.7	502.9	0.0
47.5°	1231.8	1225.4	1255.1	1261.5	1260.4	1149.0	941.1	770.3	546.4	292.8	0.0
50°	1121.5	1113.0	1083.3	1045.1	977.2	883.8	754.4	570.8	320.4	93.4	0.0
52.5°	805.3	832.9	839.2	810.6	746.9	654.6	519.9	328.9	111.4	0.0	0.0
55°	327.8	310.9	323.6	339.5	352.2	323.6	239.8	116.7	1.1	0.0	0.0
57.5°	0.0	1.1	6.4	14.9	24.4	30.8	32.9	2.1	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	0.0	1.1
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
65°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	1.1	1.1	1.1
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	2.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	2.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
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):

	90°	112.5°	135°	157.5°	180°
0°	610.1	610.1	610.1	610.1	610.1
2.5°	612.2	517.8	426.5	376.6	352.2
5°	589.9	395.7	245.1	169.8	141.1
7.5°	552.8	271.6	97.6	40.3	28.6
10°	498.7	156.0	26.5	10.6	9.5
12.5°	421.2	71.1	9.5	7.4	7.4
15°	335.3	24.4	5.3	4.2	3.2
17.5°	235.5	6.4	2.1	0.0	0.0
20°	143.2	1.1	0.0	0.0	0.0
22.5°	79.6	0.0	0.0	0.0	0.0
25°	39.3	0.0	0.0	0.0	0.0
27.5°	17.0	0.0	0.0	0.0	0.0
30°	5.3	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	1.1	0.0	0.0	0.0	0.0
65°	1.1	1.1	0.0	0.0	0.0
67.5°	1.1	1.1	0.0	0.0	0.0
70°	1.1	1.1	0.0	0.0	0.0
72.5°	1.1	1.1	0.0	0.0	0.0
75°	1.1	1.1	0.0	0.0	0.0
77.5°	2.1	1.1	1.1	0.0	0.0
80°	2.1	1.1	1.1	0.0	0.0
82.5°	2.1	1.1	1.1	0.0	0.0
85°	1.1	1.1	1.1	0.0	0.0
87.5°	2.1	1.1	1.1	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)