

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: P1324762

Luminaire Tested: LDSQA3D05R30W2N902765DE010 3LSQCA30R 1MMS_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324762
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-50)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R30W2N902765DE010 3LSQCA30R 1MMS_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 4000K CCT AND, 90CRI ,
3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

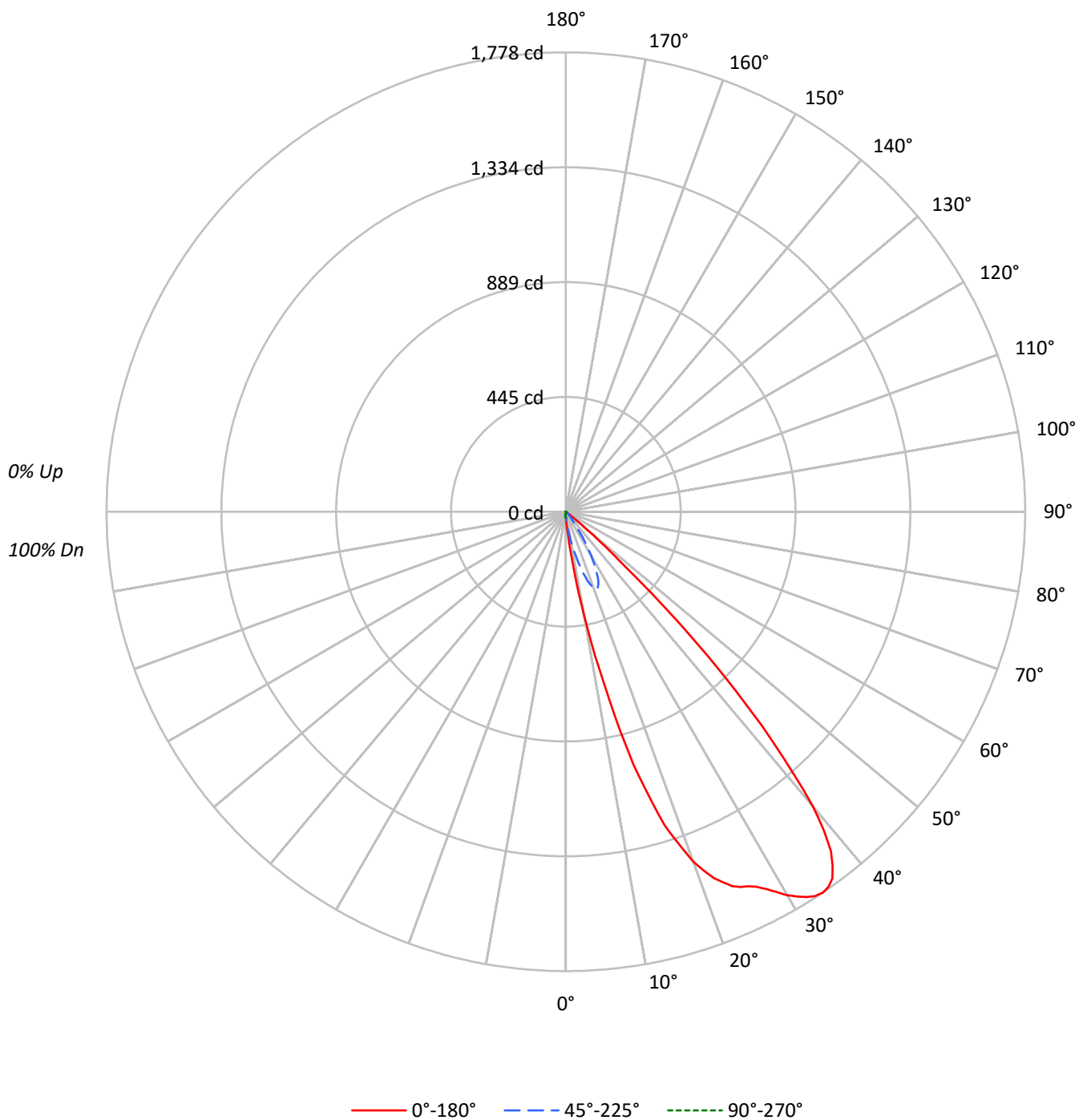
Lumens per Lamp: N/A
Luminaire Lumens: 428.0 lumens
Efficiency: N/A
Efficacy: 72.5 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.21
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 5.9
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
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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92		
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75		
4	93	84	78	73	91	83	77	72	81	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	61		
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55		
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50		
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45		
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41		
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	3944	3944	3944	3944	3944
5°	14297	8886	3613	1452	1037
10°	70809	21283	2816	280	0
15°	180616	40527	1783	0	0
20°	263898	57640	733	0	0
25°	304461	56552	152	0	0
30°	340756	38819	0	0	0
35°	372659	16714	0	0	0
40°	334466	6497	0	0	0
45°	170808	2630	0	0	0
50°	26364	322	0	0	0
55°	1561	0	120	0	0
60°	0	0	138	0	0
65°	0	0	326	0	0
70°	0	201	403	0	0
75°	0	266	799	0	0
80°	0	397	1190	0	0
85°	0	790	2371	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 170808 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.8	1.1
10°-20°	57.0	13.3
20°-30°	140.9	32.9
30°-40°	162.1	37.9
40°-50°	60.1	14.0
50°-60°	2.2	0.5
60°-70°	0.2	0.0
70°-80°	0.4	0.1
80°-90°	0.3	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°	202.7	47.4
0°-40°	364.8	85.2
0°-60°	427.1	99.8
0°-90°	428.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	428.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	23	23	23	23	23	
5°	83	51	21	8	6	18
15°	1013	227	10	0	0	291
25°	1602	298	1	0	0	740
35°	1772	80	0	0	0	1075
45°	701	11	0	0	0	546
55°	5	0	0	0	0	18
65°	0	0	1	0	0	0
75°	0	0	1	0	0	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
2.5°	40.6	41.0	41.0	39.8	39.4	39.0	37.8	34.1	28.5	22.9	18.5
5°	82.7	83.1	83.1	80.7	75.9	71.1	67.1	51.4	32.9	20.9	13.7
7.5°	195.2	195.6	187.2	177.5	158.3	148.2	129.7	79.1	37.4	18.9	8.8
10°	404.9	396.0	373.9	345.8	316.1	277.5	238.6	121.7	40.6	16.1	5.6
12.5°	676.8	668.4	639.8	599.7	541.4	465.9	392.0	171.1	41.0	12.9	3.2
15°	1013.0	989.3	955.1	888.5	802.5	685.6	563.5	227.3	39.4	10.0	0.8
17.5°	1273.6	1252.0	1208.6	1130.7	1023.8	894.1	744.3	280.8	34.9	6.4	0.0
20°	1439.9	1417.0	1376.5	1307.8	1194.1	1041.9	870.4	314.5	28.9	4.0	0.0
21°	1487.3	1465.2	1425.5	1357.2	1243.9	1092.1	901.3	321.7	26.1	3.2	0.0
22°	1529.1	1511.8	1474.9	1400.6	1285.3	1129.1	932.6	322.5	24.1	2.4	0.0
23°	1558.4	1546.0	1509.0	1440.7	1325.9	1159.2	949.5	317.7	21.7	1.6	0.0
24°	1586.5	1571.3	1539.5	1476.1	1358.0	1184.5	964.8	308.9	19.3	1.2	0.0
25°	1602.2	1584.5	1560.0	1500.6	1384.5	1200.5	974.0	297.6	16.9	0.8	0.0
26°	1613.0	1599.4	1572.5	1515.0	1395.7	1211.0	975.2	281.2	15.3	0.4	0.0
27°	1629.5	1615.9	1589.7	1527.9	1400.6	1209.4	968.0	262.3	13.3	0.0	0.0
28°	1654.4	1636.3	1610.2	1541.6	1402.6	1202.6	951.9	241.8	11.2	0.0	0.0
29°	1682.9	1664.5	1635.9	1559.6	1403.0	1188.9	926.6	219.3	10.0	0.0	0.0
30°	1713.5	1697.4	1668.5	1577.3	1407.4	1171.2	897.3	195.2	8.0	0.0	0.0
31°	1737.6	1723.1	1692.2	1593.4	1411.0	1156.0	861.1	171.1	6.8	0.0	0.0
32°	1758.4	1745.6	1707.4	1597.0	1403.8	1134.3	822.6	147.8	5.6	0.0	0.0
33°	1772.9	1756.8	1712.3	1587.7	1382.9	1098.5	779.6	125.7	4.4	0.0	0.0
34°	1778.1	1758.8	1705.0	1563.6	1340.7	1044.3	723.8	102.8	3.6	0.0	0.0
35°	1772.5	1748.8	1678.9	1522.3	1283.7	979.6	656.7	79.5	2.8	0.0	0.0
36°	1754.4	1724.3	1641.6	1463.2	1202.2	903.3	589.6	61.9	2.0	0.0	0.0
37°	1715.5	1682.1	1577.7	1385.3	1121.4	815.8	513.3	48.2	1.2	0.0	0.0
38°	1667.7	1619.5	1492.5	1286.9	1017.0	717.4	437.8	39.8	0.8	0.0	0.0
39°	1586.1	1533.1	1391.3	1173.6	914.6	623.8	364.3	34.5	0.4	0.0	0.0
40°	1487.7	1424.7	1275.7	1052.3	793.7	525.8	304.1	28.9	0.4	0.0	0.0
42.5°	1122.2	1068.8	908.5	715.7	485.2	310.1	168.7	18.9	0.0	0.0	0.0
45°	701.3	645.5	537.0	392.4	262.7	160.7	81.1	10.8	0.0	0.0	0.0
47.5°	286.4	262.7	216.1	166.3	118.9	75.5	33.7	4.8	0.0	0.0	0.0
50°	98.4	87.6	73.5	53.8	38.2	26.1	17.7	1.2	0.0	0.0	0.0
52.5°	28.5	28.9	25.3	21.7	16.9	12.0	8.8	0.0	0.0	0.0	0.0
55°	5.2	4.4	5.2	4.8	5.2	4.4	3.2	0.0	0.0	0.4	0.0
57.5°	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.0	0.4	0.4	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.8	0.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.8	0.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2	0.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2	0.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2	0.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2	0.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2	0.4
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):

	135°	157.5°	180°
0°	22.9	22.9	22.9
2.5°	14.9	13.3	12.5
5°	8.4	6.4	6.0
7.5°	4.4	2.8	2.4
10°	1.6	0.4	0.0
12.5°	0.0	0.0	0.0
15°	0.0	0.0	0.0
17.5°	0.0	0.0	0.0
20°	0.0	0.0	0.0
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.0
39°	0.0	0.0	0.0
40°	0.0	0.0	0.0
42.5°	0.0	0.0	0.0
45°	0.0	0.0	0.0
47.5°	0.0	0.0	0.0
50°	0.0	0.0	0.0
52.5°	0.0	0.0	0.0
55°	0.0	0.0	0.0
57.5°	0.0	0.0	0.0
60°	0.0	0.0	0.0
62.5°	0.0	0.0	0.0
65°	0.0	0.0	0.0
67.5°	0.0	0.0	0.0
70°	0.0	0.0	0.0
72.5°	0.0	0.0	0.0
75°	0.0	0.0	0.0
77.5°	0.0	0.0	0.0
80°	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.0	0.0	0.0
85°	0.0	0.0	0.0
87.5°	0.0	0.0	0.0
90°	0.0	0.0	0.0

(END OF REPORT)