

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: P1326709

Luminaire Tested: LDSQA3D09R40W2N902765DE010 3LSQCA30R 1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326709
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-64)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R40W2N902765DE010 3LSQCA30R 1MW_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 5000K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

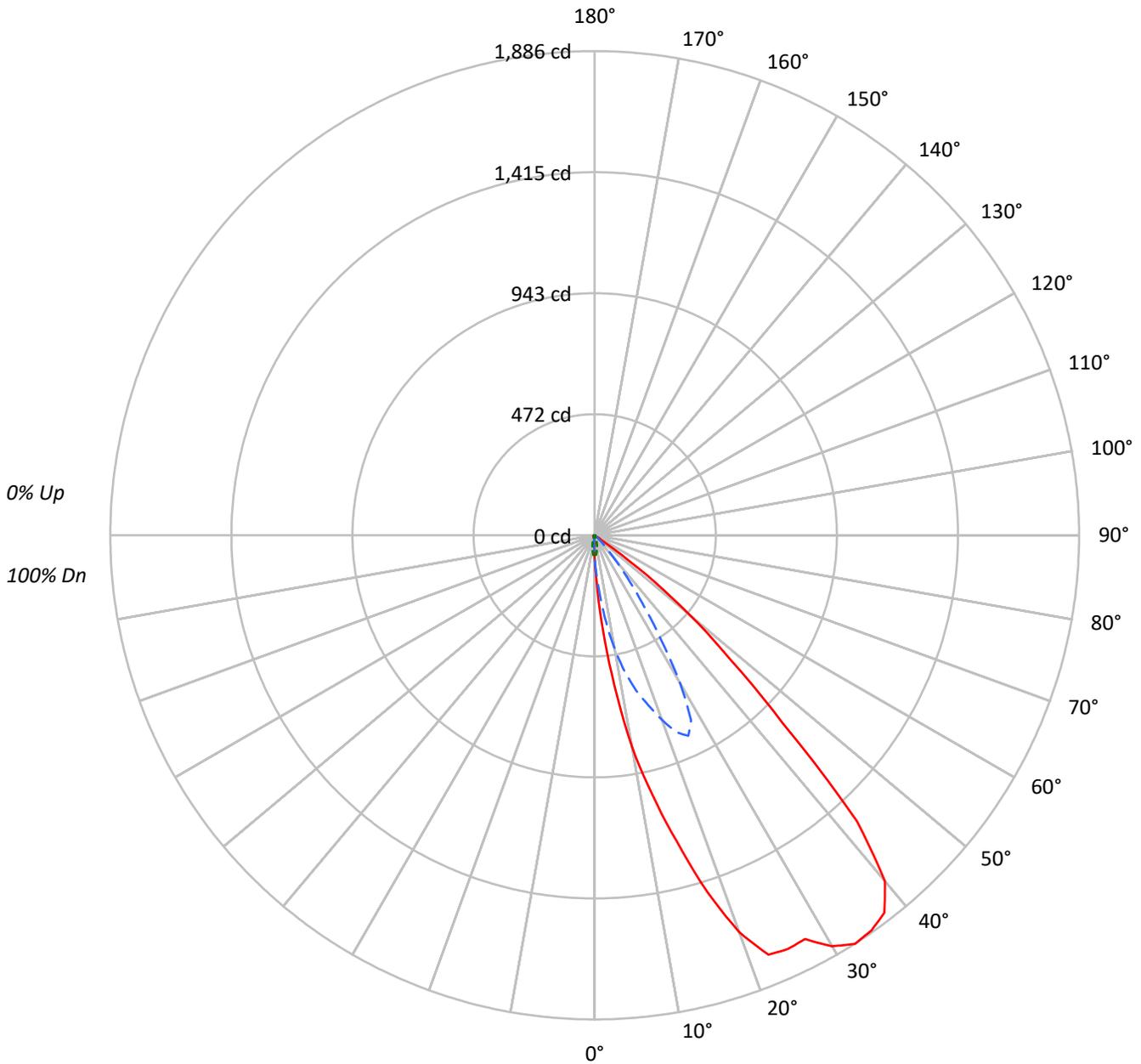
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 696.1 lumens
Efficiency: N/A
Efficacy: 77.3 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.42 / 1.24
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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



— 0°-180° - - 45°-225° - - - 90°-270°



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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	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91	91	91
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82	82	82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74	74	74
4	92	83	77	71	90	82	76	71	80	74	70	78	73	69	76	72	68	67	67	67
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	60	60	60
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54	54	54
7	75	64	57	52	74	63	56	51	62	56	51	61	55	51	59	54	51	49	49	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44	44	44
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	40	40	40
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37	37	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	14191	14191	14191	14191	14191
5°	63966	40783	12707	4875	3561
10°	146689	78801	8954	1749	1329
15°	220145	111811	5563	945	838
20°	301433	140151	3226	531	641
25°	337924	163765	1672	456	551
30°	367563	132186	696	358	577
35°	395029	67657	252	505	736
40°	395167	26978	135	540	922
45°	252303	9036	292	852	1291
50°	130965	1099	482	1099	1581
55°	11290	180	540	1411	1952
60°	413	207	620	1619	2239
65°	489	245	978	1671	2404
70°	302	302	1209	1762	2367
75°	399	399	1198	1930	2728
80°	595	595	1785	1785	2380
85°	0	1186	3557	2371	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 252303 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.0	2.3
10°-20°	94.2	13.5
20°-30°	206.3	29.6
30°-40°	235.0	33.8
40°-50°	124.0	17.8
50°-60°	14.6	2.1
60°-70°	2.6	0.4
70°-80°	2.2	0.3
80°-90°	1.0	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°	316.6	45.5
0°-40°	551.6	79.2
0°-60°	690.2	99.2
0°-90°	696.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	696.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	82	82	82	82	82	
5°	370	236	74	28	21	50
15°	1235	627	31	5	5	364
25°	1778	862	9	2	3	819
35°	1879	322	1	2	4	1165
45°	1036	37	1	4	5	835
55°	38	1	2	5	6	117
65°	1	1	2	4	6	1
75°	1	1	2	3	4	1
85°	0	1	2	1	1	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°	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
2.5°	183.5	183.5	182.9	177.7	177.1	176.5	167.1	164.7	153.5	145.9	111.2
5°	370.0	361.8	361.2	351.8	335.9	314.7	301.2	279.4	258.2	235.9	137.1
7.5°	589.4	596.5	577.1	567.1	531.8	506.5	467.7	433.5	385.9	341.2	158.2
10°	838.8	826.5	807.1	787.7	749.4	704.1	646.5	585.9	517.1	450.6	170.0
12.5°	1033.5	1017.7	1005.9	979.4	941.8	883.5	814.7	733.5	642.4	546.5	169.4
15°	1234.7	1218.8	1192.4	1168.8	1113.0	1047.7	973.0	865.9	754.1	627.1	157.1
17.5°	1455.9	1435.3	1405.9	1370.0	1315.9	1243.6	1148.8	1018.3	860.0	693.0	134.7
20°	1644.7	1632.4	1603.0	1560.6	1507.7	1437.1	1327.7	1183.0	990.0	764.7	107.1
22.5°	1768.3	1757.1	1737.1	1700.0	1660.0	1584.7	1484.7	1325.9	1098.8	830.0	81.2
25°	1778.3	1773.6	1768.3	1755.9	1731.8	1678.3	1580.6	1409.4	1166.5	861.8	60.0
27.5°	1773.0	1771.2	1770.0	1763.6	1747.7	1694.7	1594.7	1421.8	1157.7	812.4	44.1
30°	1848.3	1843.0	1840.0	1818.9	1777.1	1695.3	1564.7	1355.3	1028.8	664.7	31.8
32.5°	1886.5	1885.3	1882.4	1861.8	1803.0	1696.5	1514.1	1194.7	815.9	480.0	21.8
35°	1878.9	1873.0	1862.4	1824.2	1742.4	1608.9	1350.6	954.1	588.8	321.8	14.1
37.5°	1853.0	1839.4	1818.9	1750.0	1641.2	1458.9	1095.3	702.4	400.6	208.2	8.2
40°	1757.7	1739.4	1707.1	1623.0	1480.0	1202.4	810.0	474.7	262.9	120.0	2.4
42.5°	1511.2	1487.7	1464.1	1370.0	1206.5	896.5	533.0	293.5	150.0	65.9	0.6
45°	1035.9	1006.5	974.1	905.9	774.7	543.0	317.1	165.3	77.6	37.1	0.6
47.5°	719.4	705.9	649.4	562.4	431.2	287.7	164.1	81.2	41.2	17.1	0.6
50°	488.8	473.5	407.7	323.5	229.4	137.6	75.3	40.6	18.2	4.1	0.6
52.5°	256.5	237.7	195.9	149.4	92.9	57.6	32.9	17.6	5.3	0.6	0.6
55°	37.6	34.7	28.2	22.9	20.6	15.9	9.4	4.1	0.6	0.6	1.2
57.5°	1.2	1.2	1.2	1.2	1.8	1.8	1.2	0.6	0.6	0.6	1.2
60°	1.2	1.2	1.2	1.2	1.2	0.6	0.6	0.6	0.6	0.6	1.2
62.5°	1.2	1.2	1.2	1.2	1.2	0.6	0.6	0.6	0.6	0.6	1.2
65°	1.2	1.2	1.2	1.2	1.2	0.6	0.6	0.6	0.6	0.6	1.2
67.5°	1.2	1.2	1.2	1.2	0.6	0.6	0.6	0.6	0.6	1.2	1.8
70°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.8
72.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.8
75°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.8
77.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.8
80°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	1.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	1.2
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°	82.4	82.4	82.4	82.4	82.4
2.5°	81.2	60.0	46.5	40.0	39.4
5°	73.5	42.9	28.2	21.8	20.6
7.5°	62.4	30.0	16.5	11.8	11.2
10°	51.2	20.6	10.0	8.2	7.6
12.5°	40.6	13.5	7.1	6.5	5.9
15°	31.2	8.8	5.3	4.7	4.7
17.5°	23.5	5.9	4.1	4.1	4.1
20°	17.6	4.1	2.9	3.5	3.5
22.5°	12.4	2.9	2.4	2.9	2.9
25°	8.8	2.4	2.4	2.9	2.9
27.5°	5.9	1.8	1.8	2.4	2.9
30°	3.5	1.2	1.8	2.4	2.9
32.5°	1.8	1.2	1.8	2.9	2.9
35°	1.2	1.8	2.4	2.9	3.5
37.5°	0.6	1.8	2.4	3.5	3.5
40°	0.6	1.8	2.4	3.5	4.1
42.5°	1.2	2.4	2.9	4.1	4.7
45°	1.2	2.4	3.5	4.7	5.3
47.5°	1.2	2.4	4.1	5.3	5.3
50°	1.8	2.9	4.1	5.3	5.9
52.5°	1.8	2.9	4.1	5.9	6.5
55°	1.8	2.9	4.7	5.9	6.5
57.5°	1.8	3.5	4.7	5.9	6.5
60°	1.8	2.9	4.7	5.9	6.5
62.5°	2.4	2.9	4.1	5.9	5.9
65°	2.4	2.9	4.1	5.9	5.9
67.5°	2.4	2.9	4.1	5.3	5.3
70°	2.4	2.9	3.5	4.7	4.7
72.5°	2.4	2.9	3.5	4.1	4.7
75°	1.8	2.4	2.9	3.5	4.1
77.5°	1.8	2.4	2.4	3.5	3.5
80°	1.8	1.8	1.8	2.4	2.4
82.5°	1.8	1.8	1.2	1.8	1.8
85°	1.8	1.2	1.2	1.2	1.2
87.5°	1.2	1.2	0.6	0.6	0.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)