

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: P1324491

Luminaire Tested: LDSQA3D05R25W2N902750DE010 3LSQCA30R 1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324491
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R25W2N902750DE010 3LSQCA30R 1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 2700K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

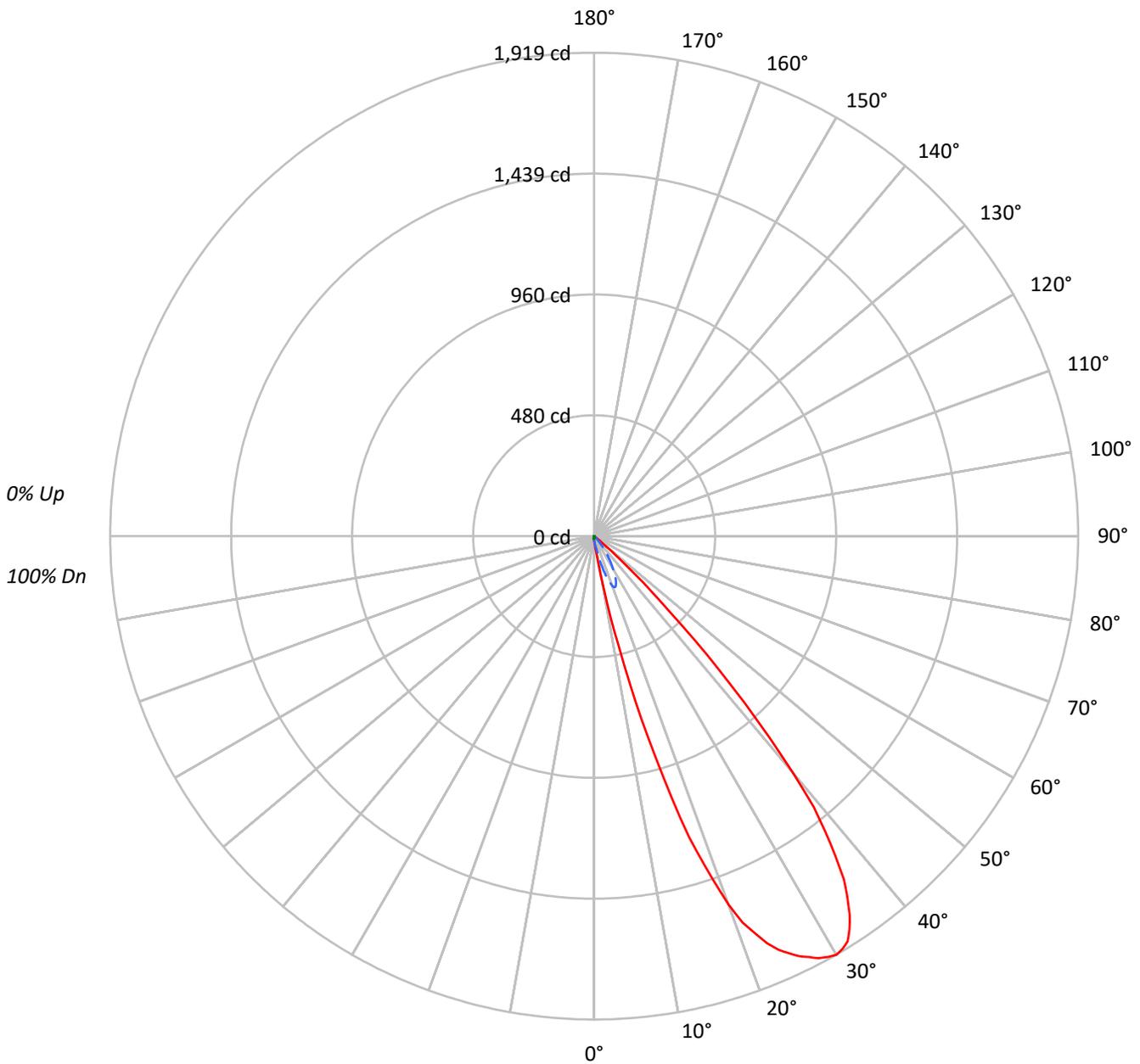
Lumens per Lamp: N/A
Luminaire Lumens: 384.0 lumens
Efficiency: N/A
Efficacy: 65.1 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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



— 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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92			92
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83			83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75			75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68			68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61			61
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	55			55
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	50			50
8	71	60	52	48	70	59	52	47	58	52	47	57	51	47	56	51	47	45			45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	41			41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37			37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2842	2842	2842	2842	2842
5°	7123	5273	2662	1366	1055
10°	31146	8954	2186	630	437
15°	148076	24142	1533	250	196
20°	285048	38671	990	73	73
25°	347160	39012	551	0	0
30°	381683	29850	219	0	0
35°	367824	18985	84	0	0
40°	274821	8206	0	0	90
45°	101759	2192	97	97	268
50°	12003	295	188	188	375
55°	1171	0	210	330	540
60°	138	0	379	482	620
65°	163	163	571	734	856
70°	201	201	705	705	1057
75°	266	266	732	732	932
80°	0	397	1091	694	1091
85°	0	790	2174	790	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 101759 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.4	0.6
10°-20°	44.8	11.7
20°-30°	140.5	36.6
30°-40°	147.9	38.5
40°-50°	43.5	11.3
50°-60°	2.3	0.6
60°-70°	1.1	0.3
70°-80°	1.0	0.3
80°-90°	0.5	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°	187.7	48.9
0°-40°	335.6	87.4
0°-60°	381.4	99.3
0°-90°	384.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	384.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	16	16	16	16	16	
5°	41	30	15	8	6	7
15°	830	135	9	1	1	262
25°	1827	205	3	0	0	838
35°	1750	90	0	0	0	1056
45°	418	9	0	0	1	380
55°	4	0	1	1	2	10
65°	0	0	1	2	2	0
75°	0	0	1	1	1	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°	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
2.5°	25.4	25.8	24.7	25.4	24.7	24.4	24.0	22.2	19.3	16.5	13.6
5°	41.2	41.2	39.4	39.1	38.3	36.9	35.5	30.5	21.9	15.4	10.7
7.5°	64.5	64.1	63.4	61.6	58.0	54.5	50.9	39.8	24.0	14.3	8.2
10°	178.1	175.6	172.3	153.0	131.1	111.8	94.9	51.2	25.8	12.5	6.1
12.5°	442.5	428.1	394.1	355.4	306.0	254.0	203.1	83.5	26.5	10.4	4.3
15°	830.5	800.7	747.7	670.3	569.3	455.7	359.0	135.4	25.8	8.6	3.2
17.5°	1254.0	1225.3	1151.9	1034.3	885.7	711.2	539.9	179.5	24.0	7.2	2.1
20°	1555.3	1524.8	1456.0	1331.4	1170.5	938.0	710.8	211.0	22.6	5.4	1.1
21°	1643.4	1613.0	1540.2	1419.9	1250.7	1017.5	765.6	216.4	21.5	4.7	0.7
22°	1699.3	1681.4	1603.3	1486.5	1314.2	1081.3	812.6	218.9	20.8	4.3	0.7
23°	1755.6	1728.7	1655.6	1532.4	1362.5	1128.6	847.3	217.1	20.1	3.6	0.4
24°	1797.1	1774.5	1689.6	1567.8	1396.2	1157.6	867.7	212.5	19.0	3.2	0.4
25°	1826.9	1806.1	1717.6	1591.8	1418.8	1173.4	874.2	205.3	17.9	2.9	0.4
26°	1855.2	1832.6	1740.9	1605.8	1430.6	1178.4	868.1	197.4	16.8	2.5	0.0
27°	1875.6	1852.6	1757.0	1614.0	1431.3	1172.3	851.6	186.7	15.8	2.1	0.0
28°	1897.4	1870.9	1768.1	1618.7	1427.0	1158.0	828.0	175.2	15.0	1.8	0.0
29°	1910.7	1885.6	1779.6	1623.7	1418.1	1133.9	793.6	161.6	13.3	1.1	0.0
30°	1919.3	1889.6	1778.5	1618.3	1406.2	1108.2	752.4	150.1	11.5	1.1	0.0
31°	1912.1	1881.0	1767.0	1603.3	1387.2	1074.5	710.1	135.8	9.3	0.7	0.0
32°	1896.7	1859.8	1747.0	1577.1	1353.2	1031.1	666.4	124.0	6.8	0.7	0.0
33°	1859.1	1827.9	1710.8	1542.0	1308.8	972.4	609.4	112.5	4.7	0.4	0.0
34°	1811.8	1780.6	1661.3	1495.1	1249.3	896.4	540.3	100.7	3.9	0.4	0.0
35°	1749.5	1718.7	1605.4	1429.5	1170.5	805.0	469.0	90.3	3.2	0.4	0.0
36°	1683.9	1643.1	1534.9	1359.7	1064.8	701.1	392.7	78.5	2.5	0.4	0.0
37°	1587.5	1559.9	1439.9	1253.3	950.5	601.5	337.1	67.7	1.8	0.4	0.0
38°	1487.6	1462.1	1345.0	1146.1	823.0	503.0	282.3	57.3	1.4	0.0	0.0
39°	1384.4	1342.1	1226.4	1008.9	689.3	421.3	237.5	48.0	0.7	0.0	0.0
40°	1222.4	1190.2	1066.6	844.1	570.4	341.4	202.4	36.5	0.7	0.0	0.0
42.5°	810.4	780.3	650.6	457.9	303.1	199.6	133.6	14.3	0.0	0.4	0.0
45°	417.8	398.8	323.9	239.7	172.0	122.5	86.0	9.0	0.0	0.4	0.4
47.5°	165.9	162.7	146.9	126.8	97.8	72.7	46.9	3.9	0.0	0.4	0.4
50°	44.8	45.1	42.3	39.1	35.5	33.3	19.7	1.1	0.0	0.7	0.4
52.5°	19.0	19.3	18.6	17.6	15.8	11.8	7.9	0.4	0.4	0.7	0.7
55°	3.9	4.3	4.7	5.0	5.7	5.0	3.2	0.0	0.4	0.7	0.7
57.5°	0.7	0.7	0.7	0.7	1.1	1.1	0.7	0.0	0.4	0.7	1.1
60°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.7	1.1	1.1
62.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	1.1	1.4
65°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	1.4	1.4
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1	1.4	1.4
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1	1.4	1.4
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1	1.4	1.1
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1	1.1	1.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.7	1.1	1.1
80°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.7	1.1	0.7



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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	0.4	0.4	0.7	1.1	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	1.1	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	1.1	0.7
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°	16.5	16.5	16.5
2.5°	11.5	10.4	10.0
5°	7.9	6.8	6.1
7.5°	5.4	4.3	3.9
10°	3.6	2.9	2.5
12.5°	2.5	1.4	1.4
15°	1.4	1.1	1.1
17.5°	0.7	0.4	0.4
20°	0.4	0.4	0.4
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	0.4
39°	0.0	0.4	0.4
40°	0.0	0.4	0.4
42.5°	0.0	0.4	0.7
45°	0.4	0.7	1.1
47.5°	0.7	1.1	1.4
50°	0.7	1.4	1.4
52.5°	1.1	1.4	1.8
55°	1.1	1.8	1.8
57.5°	1.4	1.8	2.1
60°	1.4	1.8	1.8
62.5°	1.4	2.1	2.1
65°	1.8	2.1	2.1
67.5°	1.8	2.1	2.1
70°	1.4	1.8	2.1
72.5°	1.4	1.8	1.8
75°	1.1	1.4	1.4
77.5°	1.1	1.1	1.4
80°	0.7	1.1	1.1



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.7	0.7	0.7
85°	0.4	0.4	0.4
87.5°	0.4	0.4	0.4
90°	0.0	0.0	0.0

(END OF REPORT)