

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: P1324579

Luminaire Tested: LDSQA3D05R25W2N902765DE010 3LSQCA30R 1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324579
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: LDSQA3D05R25W2N902765DE010 3LSQCA30R 1MW_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

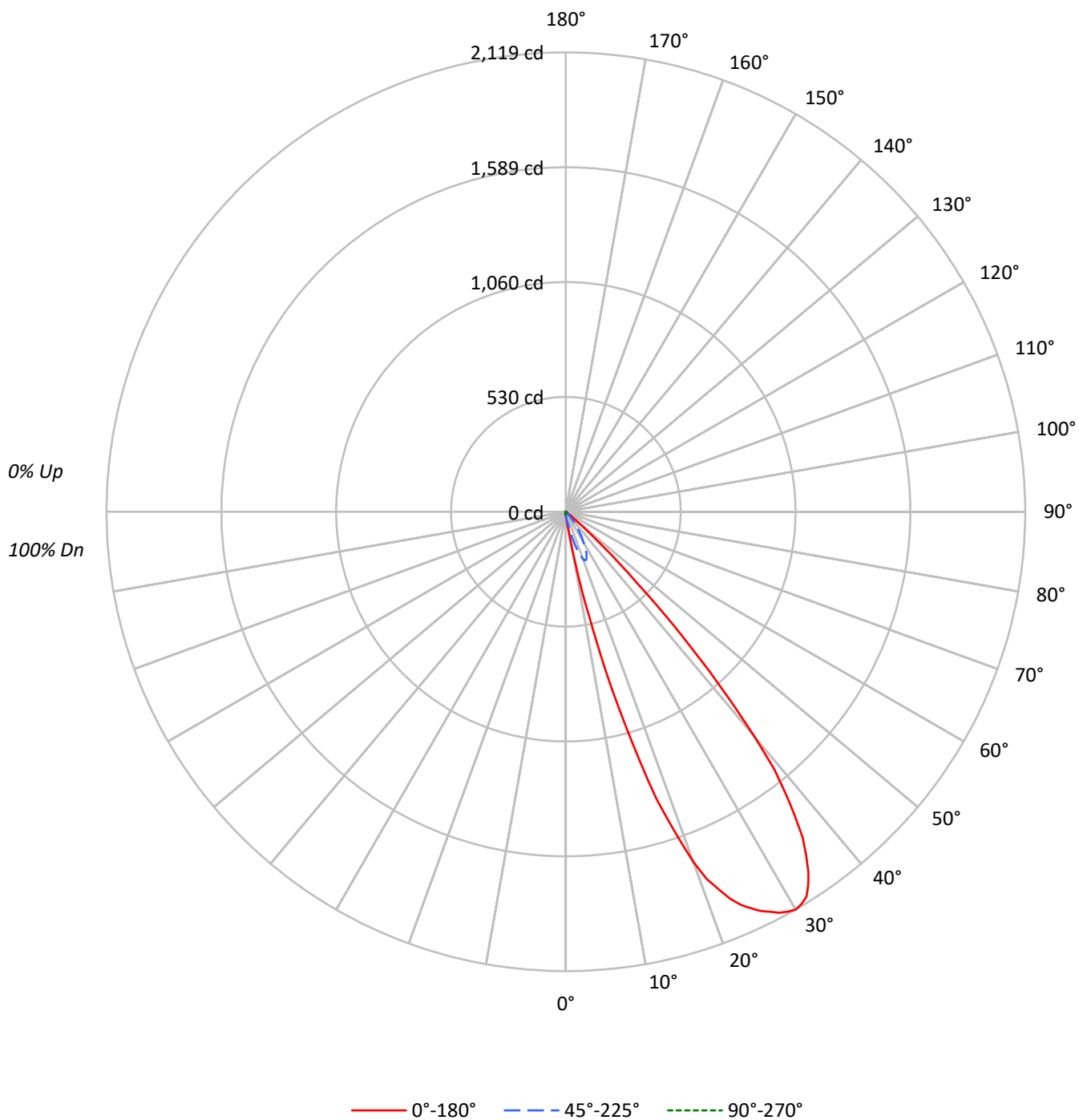
Lumens per Lamp: N/A
Luminaire Lumens: 424.0 lumens
Efficiency: N/A
Efficacy: 71.9 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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



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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
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	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83	
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75	
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68	
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61	
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	55	
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	50	
8	71	60	52	48	70	59	52	47	58	52	47	57	51	47	56	50	47	45	
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	41	
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	3134	3134	3134	3134	3134
5°	7866	5809	2939	1504	1158
10°	34381	9898	2413	700	490
15°	163499	26656	1694	285	214
20°	314739	42703	1081	73	73
25°	383322	43079	608	0	0
30°	421436	32972	239	0	0
35°	406130	20961	84	0	0
40°	303463	9083	0	0	90
45°	112354	2411	97	97	292
50°	13236	322	214	214	429
55°	1321	0	240	360	601
60°	138	0	413	551	689
65°	163	163	652	815	978
70°	201	201	806	806	1209
75°	266	266	799	799	1065
80°	0	397	1190	793	1190
85°	0	790	2371	790	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 112354 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.6	0.6
10°-20°	49.4	11.7
20°-30°	155.2	36.6
30°-40°	163.3	38.5
40°-50°	48.0	11.3
50°-60°	2.6	0.6
60°-70°	1.3	0.3
70°-80°	1.1	0.3
80°-90°	0.6	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°	207.2	48.9
0°-40°	370.6	87.4
0°-60°	421.1	99.3
0°-90°	424.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	424.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	18	18	18	18	18	
5°	46	34	17	9	7	8
15°	917	150	10	2	1	289
25°	2017	227	3	0	0	925
35°	1932	100	0	0	0	1166
45°	461	10	0	0	1	419
55°	4	0	1	1	2	11
65°	0	0	2	2	2	0
75°	0	0	1	1	2	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°	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2
2.5°	28.1	28.5	27.3	28.1	27.3	26.9	26.5	24.5	21.4	18.2	15.0
5°	45.5	45.5	43.5	43.1	42.3	40.7	39.2	33.6	24.1	17.0	11.9
7.5°	71.2	70.8	70.0	68.0	64.1	60.1	56.2	43.9	26.5	15.8	9.1
10°	196.6	193.8	190.3	168.9	144.8	123.4	104.8	56.6	28.5	13.8	6.7
12.5°	488.6	472.7	435.2	392.4	337.8	280.5	224.3	92.2	29.3	11.5	4.7
15°	917.0	884.2	825.6	740.2	628.6	503.2	396.4	149.5	28.5	9.5	3.6
17.5°	1384.6	1352.9	1271.8	1142.1	977.9	785.3	596.2	198.2	26.5	7.9	2.4
20°	1717.3	1683.7	1607.7	1470.0	1292.4	1035.7	784.9	233.0	24.9	5.9	1.2
21°	1814.6	1781.0	1700.7	1567.8	1381.0	1123.5	845.4	238.9	23.7	5.1	0.8
22°	1876.3	1856.5	1770.3	1641.3	1451.1	1193.9	897.2	241.7	22.9	4.7	0.8
23°	1938.4	1908.8	1828.1	1692.0	1504.5	1246.1	935.6	239.7	22.2	4.0	0.4
24°	1984.3	1959.4	1865.6	1731.1	1541.6	1278.2	958.1	234.6	21.0	3.6	0.4
25°	2017.2	1994.2	1896.5	1757.6	1566.6	1295.6	965.3	226.7	19.8	3.2	0.4
26°	2048.4	2023.5	1922.2	1773.1	1579.6	1301.1	958.5	218.0	18.6	2.8	0.0
27°	2071.0	2045.6	1940.0	1782.2	1580.4	1294.4	940.3	206.1	17.4	2.4	0.0
28°	2095.1	2065.8	1952.3	1787.3	1575.7	1278.6	914.2	193.4	16.6	2.0	0.0
29°	2109.7	2082.0	1964.9	1792.8	1565.8	1252.1	876.2	178.4	14.6	1.2	0.0
30°	2119.2	2086.4	1963.7	1786.9	1552.7	1223.6	830.8	165.8	12.7	1.2	0.0
31°	2111.3	2076.9	1951.1	1770.3	1531.8	1186.4	784.1	149.9	10.3	0.8	0.0
32°	2094.3	2053.5	1928.9	1741.4	1494.2	1138.5	735.8	136.9	7.5	0.8	0.0
33°	2052.8	2018.3	1889.0	1702.7	1445.1	1073.7	672.9	124.2	5.1	0.4	0.0
34°	2000.5	1966.1	1834.4	1650.8	1379.4	989.8	596.6	111.2	4.4	0.4	0.0
35°	1931.7	1897.7	1772.7	1578.4	1292.4	888.9	517.8	99.7	3.6	0.4	0.0
36°	1859.3	1814.2	1694.7	1501.3	1175.7	774.2	433.6	86.6	2.8	0.4	0.0
37°	1752.9	1722.4	1589.9	1383.8	1049.5	664.2	372.3	74.8	2.0	0.4	0.0
38°	1642.5	1614.4	1485.1	1265.5	908.7	555.4	311.7	63.3	1.6	0.0	0.0
39°	1528.6	1481.9	1354.1	1114.0	761.1	465.2	262.3	53.0	0.8	0.0	0.0
40°	1349.8	1314.2	1177.7	932.0	629.8	377.0	223.5	40.4	0.8	0.0	0.0
42.5°	894.8	861.6	718.4	505.6	334.7	220.3	147.6	15.8	0.0	0.4	0.0
45°	461.3	440.3	357.6	264.7	189.9	135.3	94.9	9.9	0.0	0.4	0.4
47.5°	183.2	179.6	162.2	140.0	108.0	80.3	51.8	4.4	0.0	0.4	0.4
50°	49.4	49.8	46.7	43.1	39.2	36.8	21.8	1.2	0.0	0.8	0.4
52.5°	21.0	21.4	20.6	19.4	17.4	13.1	8.7	0.4	0.4	0.8	0.8
55°	4.4	4.7	5.1	5.5	6.3	5.5	3.6	0.0	0.4	0.8	0.8
57.5°	0.8	0.8	0.8	0.8	1.2	1.2	0.8	0.0	0.4	0.8	1.2
60°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.8	1.2	1.2
62.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	1.2	1.6
65°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	1.6	1.6
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2	1.6	1.6
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2	1.6	1.6
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2	1.6	1.2
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2	1.2	1.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.8	1.2	1.2
80°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.8	1.2	0.8



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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	0.8	1.2	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2	0.8
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°	18.2	18.2	18.2
2.5°	12.7	11.5	11.1
5°	8.7	7.5	6.7
7.5°	5.9	4.7	4.4
10°	4.0	3.2	2.8
12.5°	2.8	1.6	1.6
15°	1.6	1.2	1.2
17.5°	0.8	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	0.8
45°	0.4	0.8	1.2
47.5°	0.8	1.2	1.6
50°	0.8	1.6	1.6
52.5°	1.2	1.6	2.0
55°	1.2	2.0	2.0
57.5°	1.6	2.0	2.4
60°	1.6	2.0	2.0
62.5°	1.6	2.4	2.4
65°	2.0	2.4	2.4
67.5°	2.0	2.4	2.4
70°	1.6	2.0	2.4
72.5°	1.6	2.0	2.0
75°	1.2	1.6	1.6
77.5°	1.2	1.2	1.6
80°	0.8	1.2	1.2



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.8	0.8	0.8
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)