

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: P1324233

Luminaire Tested: LDSQA3D05R15W2N902765DE010 3LSQCA30R 1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324233
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-59)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R15W2N902765DE010 3LSQCA30R 1MW_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

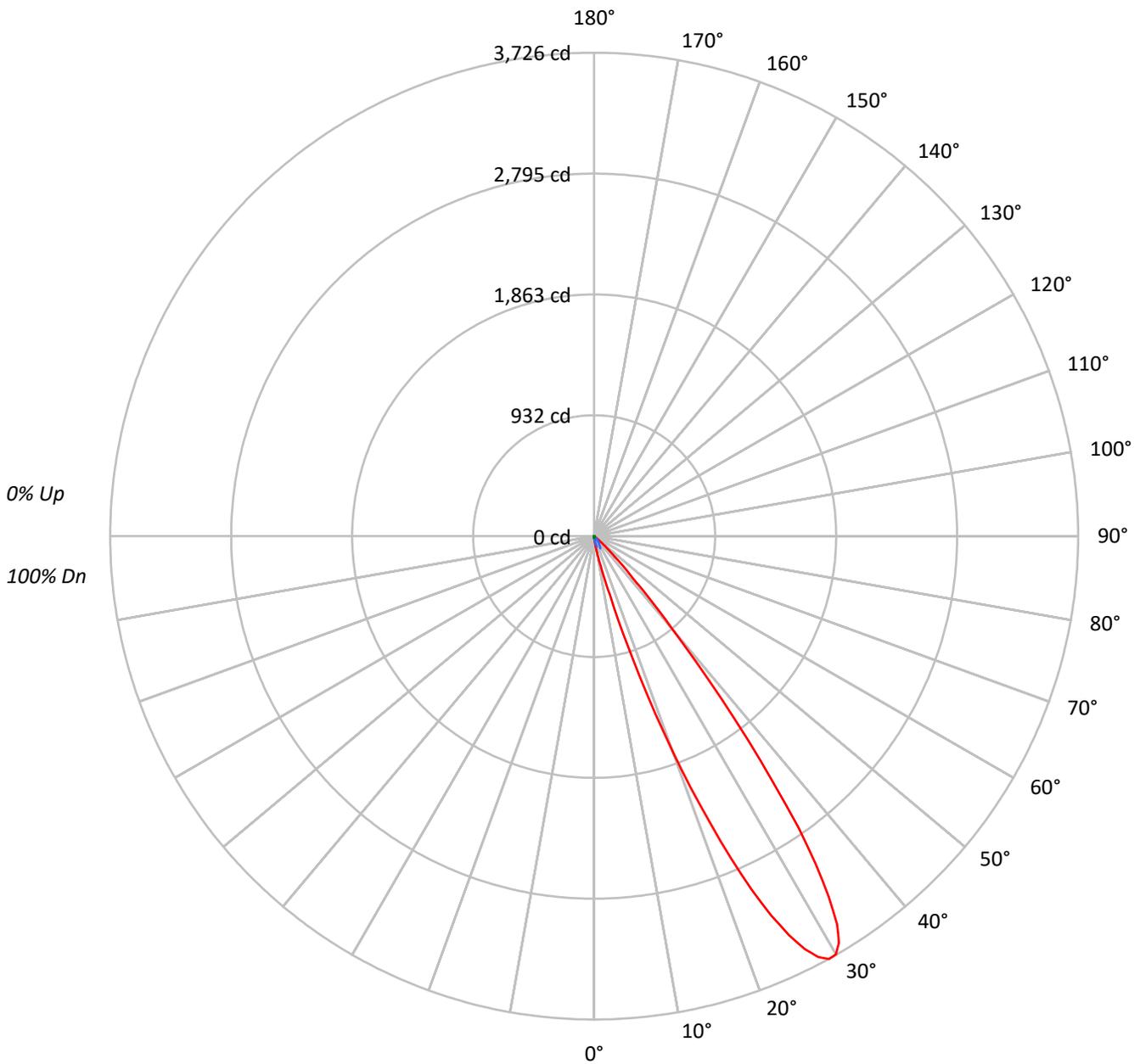
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 407.0 lumens
Efficiency: N/A
Efficacy: 69.0 lumens/watt
Spacing Criteria (0/90/45): 2.35 / 0.49 / 1.26
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	102	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	96	95	93	92
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	83	80	77	75
4	93	84	78	73	91	83	77	72	81	75	71	79	74	70	77	73	70	77	73	70	68
5	87	77	70	65	85	76	70	65	74	69	64	72	67	64	71	66	63	71	66	63	61
6	81	71	64	59	80	70	63	58	68	62	58	67	61	57	65	61	57	65	61	57	55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	60	55	52	50
8	71	60	53	48	70	59	52	47	58	52	47	57	51	47	56	51	47	56	51	47	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	51	46	42	41
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	47	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2325	2325	2325	2325	2325
5°	4996	3700	2196	1158	951
10°	22157	6995	1731	490	350
15°	83782	16172	1195	214	143
20°	322235	22781	733	73	73
25°	612779	21359	380	0	0
30°	740237	17242	159	0	0
35°	577333	11732	84	0	0
40°	210679	5778	90	0	90
45°	54095	1729	97	0	195
50°	9110	214	107	107	322
55°	1201	0	240	360	601
60°	138	138	413	551	827
65°	163	163	652	815	978
70°	201	201	806	806	1007
75°	266	266	1065	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: 54095 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.8	0.5
10°-20°	31.2	7.7
20°-30°	173.0	42.5
30°-40°	167.1	41.1
40°-50°	29.1	7.1
50°-60°	2.1	0.5
60°-70°	1.2	0.3
70°-80°	1.0	0.2
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°	206.0	50.6
0°-40°	373.1	91.7
0°-60°	404.3	99.3
0°-90°	407.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	407.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	14	14	14	14	14	
5°	29	21	13	7	6	6
15°	470	91	7	1	1	209
25°	3225	112	2	0	0	1442
35°	2746	56	0	0	0	1579
45°	222	7	0	0	1	239
55°	4	0	1	1	2	8
65°	0	0	2	2	2	0
75°	0	0	2	1	2	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
0°	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
2.5°	19.8	19.0	19.4	19.4	19.4	19.4	19.4	18.6	18.6	19.0	17.0
5°	28.9	28.9	28.5	28.9	28.9	28.5	27.7	27.3	27.3	26.5	21.4
7.5°	57.8	57.0	57.0	56.2	52.3	51.1	50.3	48.3	44.7	43.9	27.7
10°	126.7	127.1	124.3	120.8	120.4	114.4	112.4	108.9	102.1	95.4	40.0
12.5°	230.0	224.9	218.1	218.5	207.1	203.1	194.0	184.1	173.8	163.1	65.7
15°	469.9	455.3	464.0	442.6	418.5	391.2	363.4	328.6	298.9	267.2	90.7
17.5°	989.8	1004.0	979.9	888.4	832.2	766.1	673.0	583.2	506.4	444.6	110.9
20°	1758.2	1779.2	1697.3	1617.7	1481.1	1332.2	1177.0	1001.3	833.0	687.3	124.3
21°	2079.3	2066.6	2033.0	1905.5	1747.9	1575.3	1385.3	1191.3	987.4	798.2	125.5
22°	2389.7	2395.6	2317.3	2183.8	2019.9	1828.7	1596.7	1357.2	1137.4	888.4	123.5
23°	2698.9	2717.9	2614.2	2489.1	2282.8	2067.0	1798.6	1540.1	1268.5	991.8	119.6
24°	2985.2	2972.1	2902.0	2744.4	2523.9	2271.3	1992.6	1679.0	1376.2	1080.0	116.4
25°	3224.7	3223.1	3113.0	2959.8	2707.6	2427.7	2120.5	1792.7	1468.4	1139.8	112.4
26°	3420.7	3388.6	3301.9	3115.0	2866.0	2570.6	2225.4	1875.4	1520.3	1169.9	108.5
27°	3571.9	3548.9	3432.5	3238.1	2978.0	2651.4	2292.7	1916.6	1544.0	1179.8	103.3
28°	3673.6	3648.7	3524.8	3324.4	3039.8	2702.1	2328.3	1934.0	1544.0	1170.3	98.6
29°	3726.3	3692.2	3568.7	3354.1	3054.0	2708.0	2319.6	1917.0	1519.9	1141.0	93.0
30°	3722.3	3680.0	3550.5	3327.2	3011.7	2659.3	2270.9	1855.6	1465.3	1097.5	86.7
31°	3658.2	3610.7	3466.2	3236.2	2924.2	2567.5	2179.1	1773.3	1390.4	1040.8	80.4
32°	3527.9	3467.8	3326.8	3097.6	2789.6	2430.1	2045.7	1646.2	1278.4	958.1	73.6
33°	3315.7	3255.2	3103.9	2888.9	2607.5	2255.9	1868.7	1509.6	1150.9	859.5	68.1
34°	3050.1	2994.7	2864.4	2647.8	2377.8	2035.4	1665.2	1320.8	1018.7	761.7	62.2
35°	2746.0	2657.7	2539.8	2368.3	2105.0	1760.6	1445.5	1145.0	882.5	659.2	55.8
36°	2334.7	2350.5	2225.4	2015.6	1797.4	1527.4	1224.9	954.5	738.0	561.8	50.3
37°	1970.0	1945.1	1865.5	1703.2	1513.2	1245.1	1026.6	809.2	620.8	475.1	44.3
38°	1589.2	1594.7	1516.7	1392.0	1203.6	1023.8	826.3	664.7	519.4	404.2	38.8
39°	1243.9	1239.6	1218.6	1103.0	932.4	814.4	669.5	551.1	432.7	340.9	32.9
40°	937.1	944.2	895.1	825.5	726.1	629.1	533.3	439.5	357.9	287.4	25.7
42.5°	455.7	466.8	434.3	416.5	372.6	334.5	282.3	230.4	196.0	169.4	11.5
45°	222.1	215.8	213.0	204.3	194.0	173.4	153.6	131.8	115.2	99.4	7.1
47.5°	113.6	110.5	110.5	106.9	103.3	96.6	86.7	79.6	71.7	61.8	2.8
50°	34.0	33.7	33.3	33.7	32.5	33.7	34.4	34.8	31.7	31.3	0.8
52.5°	13.5	13.9	13.5	14.6	14.6	14.3	14.6	14.3	13.9	12.3	0.0
55°	4.0	4.0	4.0	4.0	4.0	4.0	4.4	4.8	4.4	4.8	0.0
57.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0
60°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.4
62.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
65°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	13.5	13.5	13.5	13.5	13.5	13.5
2.5°	15.8	13.9	11.5	9.5	8.7	8.3
5°	17.0	12.7	8.7	6.7	5.9	5.5
7.5°	18.2	11.5	6.7	4.8	3.6	3.2
10°	19.0	9.9	5.1	2.8	2.0	2.0
12.5°	19.0	7.9	3.6	1.6	1.2	1.2
15°	18.6	6.7	2.4	1.2	0.8	0.8
17.5°	18.2	5.1	1.6	0.8	0.4	0.8
20°	17.0	4.0	0.8	0.4	0.4	0.4
21°	16.6	3.6	0.8	0.4	0.4	0.4
22°	15.8	3.2	0.4	0.0	0.4	0.4
23°	15.0	2.4	0.4	0.0	0.0	0.0
24°	13.9	2.0	0.4	0.0	0.0	0.0
25°	13.1	2.0	0.4	0.0	0.0	0.0
26°	12.3	1.2	0.0	0.0	0.0	0.0
27°	11.1	0.8	0.0	0.0	0.0	0.0
28°	10.3	0.8	0.0	0.0	0.0	0.0
29°	9.1	0.8	0.0	0.0	0.0	0.0
30°	7.9	0.8	0.0	0.0	0.0	0.0
31°	6.3	0.4	0.0	0.0	0.0	0.0
32°	5.1	0.4	0.0	0.0	0.0	0.0
33°	3.6	0.4	0.0	0.0	0.0	0.0
34°	2.4	0.4	0.0	0.0	0.0	0.0
35°	2.0	0.4	0.0	0.0	0.0	0.0
36°	1.2	0.4	0.0	0.0	0.0	0.4
37°	1.2	0.4	0.0	0.0	0.0	0.4
38°	0.8	0.4	0.0	0.0	0.0	0.4
39°	0.4	0.4	0.0	0.0	0.0	0.4
40°	0.4	0.4	0.0	0.0	0.0	0.4
42.5°	0.0	0.4	0.0	0.0	0.4	0.8
45°	0.0	0.4	0.0	0.0	0.4	0.8
47.5°	0.0	0.4	0.0	0.0	0.8	0.8
50°	0.0	0.4	0.4	0.4	0.8	1.2
52.5°	0.0	0.8	0.4	0.8	1.2	1.6
55°	0.4	0.8	0.8	1.2	1.6	2.0
57.5°	0.4	1.2	1.2	1.6	2.0	2.0
60°	0.8	1.2	1.6	1.6	2.4	2.4
62.5°	0.8	1.6	1.6	1.6	2.4	2.4
65°	0.8	1.6	1.6	2.0	2.4	2.4
67.5°	0.8	1.6	1.6	1.6	2.0	2.4
70°	0.8	1.6	1.2	1.6	2.0	2.0
72.5°	0.8	1.6	1.2	1.2	1.6	2.0
75°	0.8	1.6	1.2	1.2	1.6	1.6
77.5°	0.8	1.2	1.2	0.8	1.2	1.2
80°	0.8	1.2	0.8	0.8	1.2	1.2



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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.8	1.2	0.8	0.4	0.8	0.8
85°	0.8	1.2	0.8	0.4	0.4	0.4
87.5°	0.8	1.2	0.4	0.0	0.0	0.4
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)