

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: P1312368

Luminaire Tested: LDSQA3D09R259050DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312368
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: LDSQA3D09R259050DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

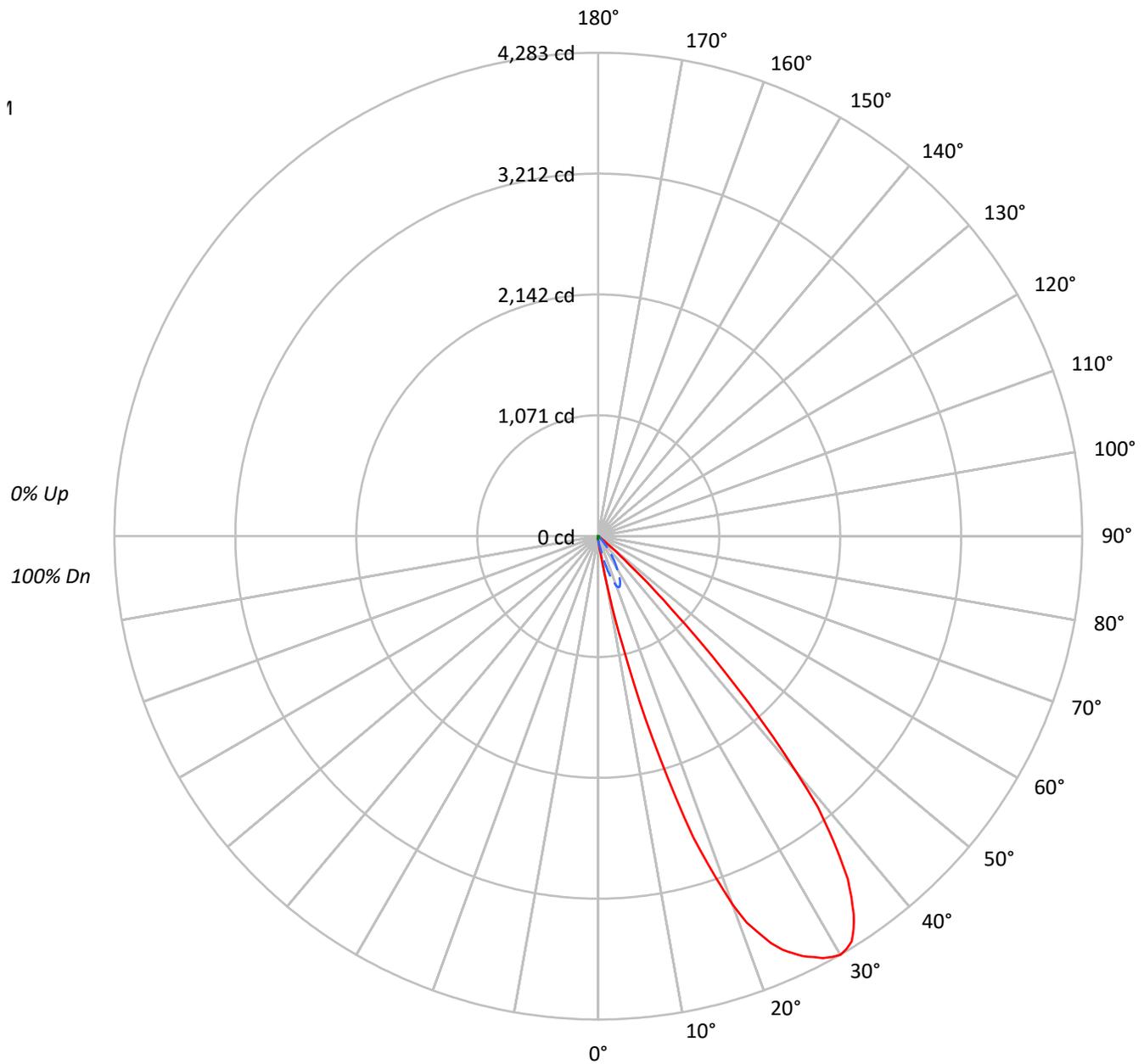
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 857.0 lumens
Efficiency: N/A
Efficacy: 77.2 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): 11.1
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	95	92	103	98	94	90	95	92	88	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	79	77	83	79	77	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	76	73	69	68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	71	66	63	61
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	65	60	57	55
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	60	55	52	50
8	71	60	52	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	44	39	49	43	39	48	43	39	48	42	39	48	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	6338	6338	6338	6338	6338
5°	15905	11756	5947	3043	2351
10°	69497	19989	4897	1399	979
15°	330475	53882	3423	571	428
20°	636149	86323	2199	147	147
25°	774758	87070	1216	0	0
30°	851821	66620	477	0	0
35°	820881	42364	168	0	0
40°	613356	18345	0	0	180
45°	227071	4871	195	195	585
50°	26766	643	429	429	857
55°	2642	0	480	721	1201
60°	276	0	827	1102	1378
65°	326	326	1304	1630	1956
70°	403	403	1611	1611	2417
75°	532	532	1597	1597	2129
80°	0	793	2380	1587	2380
85°	0	1581	4742	1581	1581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 227071 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.3	0.6
10°-20°	99.9	11.7
20°-30°	313.6	36.6
30°-40°	330.1	38.5
40°-50°	97.0	11.3
50°-60°	5.2	0.6
60°-70°	2.5	0.3
70°-80°	2.2	0.3
80°-90°	1.1	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°	418.9	48.9
0°-40°	749.0	87.4
0°-60°	851.2	99.3
0°-90°	857.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	857.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	37	37	37	37	37	
5°	92	68	34	18	14	16
15°	1854	302	19	3	2	584
25°	4077	458	6	0	0	1870
35°	3904	202	1	0	0	2356
45°	932	20	1	1	2	847
55°	9	0	2	2	4	22
65°	1	1	3	4	5	1
75°	1	1	2	2	3	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°	45°	67.5°	90°	112.5°
0°	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
2.5°	56.8	57.6	55.2	56.8	55.2	54.4	53.6	49.6	43.2	36.8	30.4
5°	92.0	92.0	88.0	87.2	85.6	82.4	79.2	68.0	48.8	34.4	24.0
7.5°	143.9	143.1	141.5	137.5	129.5	121.5	113.5	88.8	53.6	32.0	18.4
10°	397.4	391.8	384.6	341.4	292.7	249.5	211.9	114.3	57.6	28.0	13.6
12.5°	987.5	955.5	879.6	793.2	682.9	566.9	453.4	186.3	59.2	23.2	9.6
15°	1853.5	1787.1	1668.7	1496.0	1270.6	1017.1	801.2	302.2	57.6	19.2	7.2
17.5°	2798.6	2734.6	2570.7	2308.4	1976.6	1587.2	1205.0	400.6	53.6	16.0	4.8
20°	3471.0	3403.1	3249.5	2971.3	2612.3	2093.3	1586.4	471.0	50.4	12.0	2.4
21°	3667.7	3599.8	3437.4	3168.8	2791.4	2270.8	1708.7	483.0	48.0	10.4	1.6
22°	3792.5	3752.5	3578.2	3317.5	2932.9	2413.2	1813.5	488.6	46.4	9.6	1.6
23°	3918.0	3858.0	3694.9	3419.9	3040.8	2518.7	1891.0	484.6	44.8	8.0	0.8
24°	4010.8	3960.4	3770.9	3499.0	3116.0	2583.5	1936.6	474.2	42.4	7.2	0.8
25°	4077.1	4030.7	3833.2	3552.6	3166.4	2618.7	1951.0	458.2	40.0	6.4	0.8
26°	4140.3	4089.9	3885.2	3583.8	3192.8	2629.9	1937.4	440.6	37.6	5.6	0.0
27°	4185.9	4134.7	3921.2	3602.2	3194.4	2616.3	1900.6	416.6	35.2	4.8	0.0
28°	4234.6	4175.5	3946.0	3612.6	3184.8	2584.3	1847.9	391.0	33.6	4.0	0.0
29°	4264.2	4208.3	3971.6	3623.8	3164.8	2530.7	1771.1	360.6	29.6	2.4	0.0
30°	4283.4	4217.0	3969.2	3611.8	3138.4	2473.1	1679.1	335.0	25.6	2.4	0.0
31°	4267.4	4197.9	3943.6	3578.2	3096.0	2398.0	1584.8	303.0	20.8	1.6	0.0
32°	4233.0	4150.7	3898.8	3519.8	3020.1	2301.2	1487.2	276.7	15.2	1.6	0.0
33°	4149.1	4079.5	3818.1	3441.4	2920.9	2170.1	1360.1	251.1	10.4	0.8	0.0
34°	4043.5	3974.0	3707.7	3336.7	2788.2	2000.6	1205.8	224.7	8.8	0.8	0.0
35°	3904.4	3835.6	3583.0	3190.4	2612.3	1796.7	1046.7	201.5	7.2	0.8	0.0
36°	3758.1	3666.9	3425.5	3034.5	2376.4	1564.8	876.4	175.1	5.6	0.8	0.0
37°	3543.0	3481.4	3213.6	2797.0	2121.3	1342.5	752.4	151.1	4.0	0.8	0.0
38°	3319.9	3263.1	3001.7	2557.9	1836.7	1122.6	630.1	127.9	3.2	0.0	0.0
39°	3089.6	2995.3	2737.0	2251.7	1538.4	940.3	530.1	107.1	1.6	0.0	0.0
40°	2728.2	2656.2	2380.4	1883.8	1273.0	762.0	451.8	81.6	1.6	0.0	0.0
42.5°	1808.7	1741.5	1452.1	1021.9	676.5	445.4	298.2	32.0	0.0	0.8	0.0
45°	932.3	889.9	722.8	534.9	383.8	273.5	191.9	20.0	0.0	0.8	0.8
47.5°	370.2	363.0	327.8	283.1	218.3	162.3	104.7	8.8	0.0	0.8	0.8
50°	99.9	100.7	94.4	87.2	79.2	74.4	44.0	2.4	0.0	1.6	0.8
52.5°	42.4	43.2	41.6	39.2	35.2	26.4	17.6	0.8	0.8	1.6	1.6
55°	8.8	9.6	10.4	11.2	12.8	11.2	7.2	0.0	0.8	1.6	1.6
57.5°	1.6	1.6	1.6	1.6	2.4	2.4	1.6	0.0	0.8	1.6	2.4
60°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	1.6	2.4	2.4
62.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	2.4	3.2
65°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	3.2	3.2
67.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.4	3.2	3.2
70°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.4	3.2	3.2
72.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.4	3.2	2.4
75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.4	2.4	2.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.6	2.4	2.4
80°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.6	2.4	1.6



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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	0.8	0.8	1.6	2.4	1.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	2.4	1.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	2.4	1.6
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°	36.8	36.8	36.8
2.5°	25.6	23.2	22.4
5°	17.6	15.2	13.6
7.5°	12.0	9.6	8.8
10°	8.0	6.4	5.6
12.5°	5.6	3.2	3.2
15°	3.2	2.4	2.4
17.5°	1.6	0.8	0.8
20°	0.8	0.8	0.8
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	0.8
39°	0.0	0.8	0.8
40°	0.0	0.8	0.8
42.5°	0.0	0.8	1.6
45°	0.8	1.6	2.4
47.5°	1.6	2.4	3.2
50°	1.6	3.2	3.2
52.5°	2.4	3.2	4.0
55°	2.4	4.0	4.0
57.5°	3.2	4.0	4.8
60°	3.2	4.0	4.0
62.5°	3.2	4.8	4.8
65°	4.0	4.8	4.8
67.5°	4.0	4.8	4.8
70°	3.2	4.0	4.8
72.5°	3.2	4.0	4.0
75°	2.4	3.2	3.2
77.5°	2.4	2.4	3.2
80°	1.6	2.4	2.4



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	1.6	1.6	1.6
85°	0.8	0.8	0.8
87.5°	0.8	0.8	0.8
90°	0.0	0.0	0.0

(END OF REPORT)