

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: P1315951

Luminaire Tested: LDSQA3D20R409735D010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315951
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-52)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R409735D010 3LSQCA30R 1MMS
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 97CRI , 3LSQCA30R 1MMS TRII
Light Source: -
Ballast/Driver: -

Summary

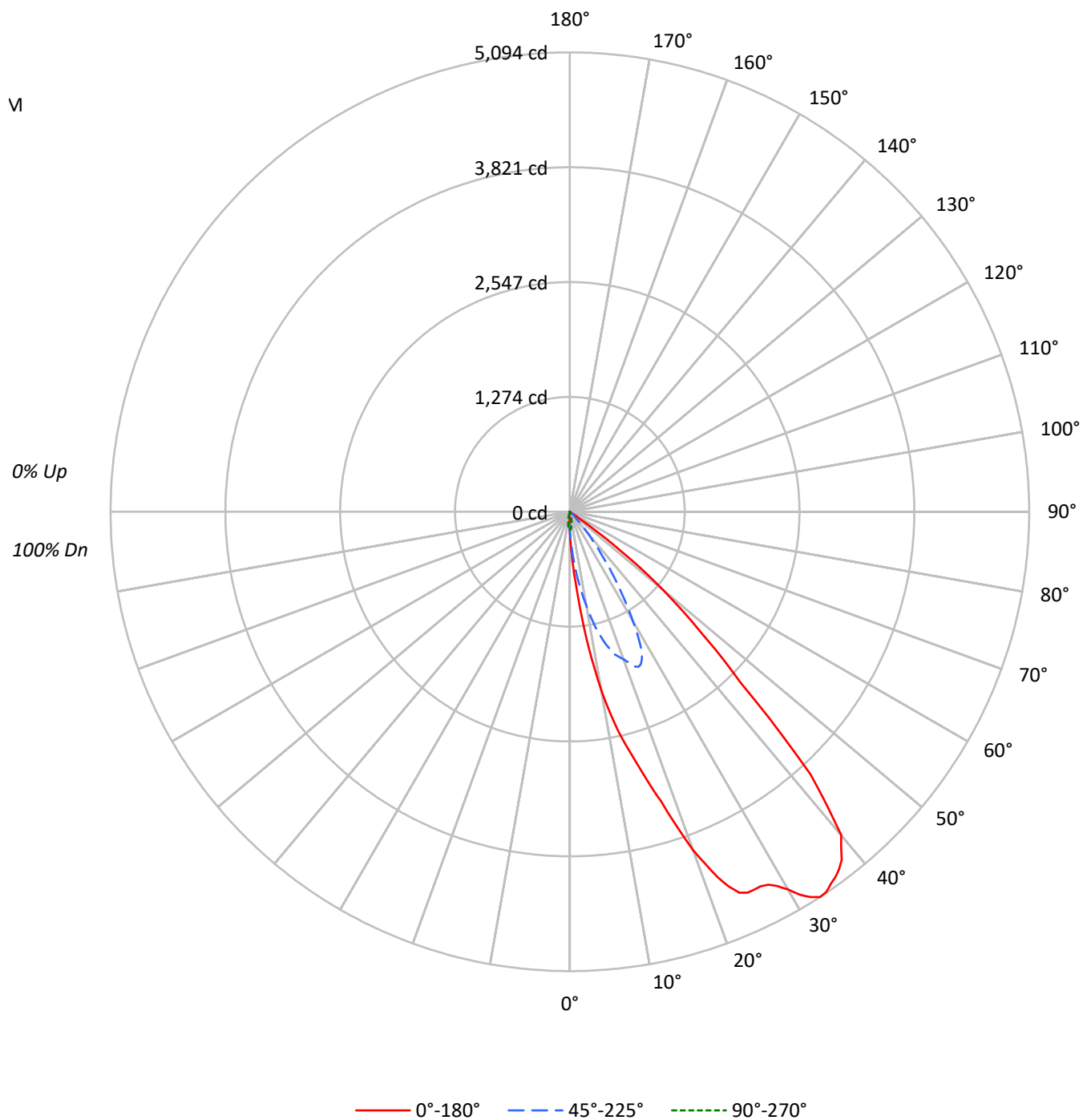
Lumens per Lamp: N/A
Luminaire Lumens: 1710.0 lumens
Efficiency: N/A
Efficacy: 59.4 lumens/watt
Spacing Criteria (0/90/45): 2.56 / 0.36 / 1.23
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	83		
3	99	91	85	80	97	90	84	80	87	82	78	84	81	77	82	79	76	74		
4	92	83	77	72	90	82	76	71	80	74	70	78	73	69	76	72	68	67		
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	60		
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	59	56	54		
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49		
8	70	59	51	47	69	58	51	46	57	51	46	56	50	46	55	50	46	44		
9	66	54	47	42	64	54	47	42	52	46	42	51	46	42	51	45	42	40		
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	34445	34445	34445	34445	34445
5°	146205	99648	30220	5446	2714
10°	351420	185337	18730	542	0
15°	517207	269266	7863	0	0
20°	731086	319211	2877	0	0
25°	885505	354324	0	0	0
30°	961455	277159	0	0	0
35°	1060182	162246	0	0	0
40°	1052228	65850	0	0	0
45°	651668	19168	0	0	0
50°	362859	429	0	0	0
55°	35461	0	0	0	0
60°	0	0	551	0	0
65°	0	0	652	0	0
70°	0	806	1561	0	0
75°	0	1065	2063	0	0
80°	0	1587	3075	0	0
85°	0	3162	6126	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 654737 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.5	2.2
10°-20°	220.4	12.9
20°-30°	503.1	29.4
30°-40°	594.1	34.7
40°-50°	317.4	18.6
50°-60°	34.5	2.0
60°-70°	0.7	0.0
70°-80°	1.2	0.1
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°	761.0	44.5
0°-40°	1355.1	79.2
0°-60°	1707.0	99.8
0°-90°	1710.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1710.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	200	200	200	200	200	
5°	846	576	175	32	16	119
15°	2901	1510	44	0	0	862
25°	4660	1865	0	0	0	2116
35°	5043	772	0	0	0	3115
45°	2676	79	0	0	0	2206
55°	118	0	0	0	0	331
65°	0	0	2	0	0	0
75°	0	2	3	0	0	0
85°	0	2	3	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0
2.5°	466.1	456.7	463.0	450.4	450.4	422.0	423.6	400.0	365.4	278.7	198.4
5°	845.7	883.5	853.5	814.2	792.1	763.8	726.0	686.6	576.4	348.0	174.8
7.5°	1415.8	1412.6	1362.2	1319.7	1270.9	1195.3	1124.4	1028.4	820.5	398.4	144.9
10°	2009.5	1998.4	1941.7	1905.5	1812.6	1703.9	1559.1	1404.7	1059.8	415.8	107.1
12.5°	2504.0	2489.8	2442.5	2381.1	2278.8	2141.7	1985.8	1782.7	1311.8	396.9	69.3
15°	2900.8	2897.7	2852.0	2768.5	2661.4	2527.6	2351.2	2107.1	1510.2	348.0	44.1
17.5°	3371.7	3390.6	3308.7	3218.9	3064.6	2877.2	2661.4	2382.7	1656.7	288.2	28.3
20°	3989.0	3962.2	3886.6	3755.9	3607.9	3382.7	3077.2	2678.8	1741.7	223.6	15.7
21°	4178.0	4167.0	4088.2	3967.0	3803.2	3574.8	3259.9	2829.9	1781.1	200.0	12.6
22°	4370.1	4351.2	4289.8	4171.7	4017.3	3759.1	3412.6	2985.8	1831.5	174.8	7.9
23°	4513.4	4505.5	4458.3	4341.8	4182.7	3932.3	3578.0	3130.7	1866.2	151.2	4.7
24°	4623.7	4614.2	4567.0	4478.8	4341.8	4080.3	3744.9	3286.6	1880.3	130.7	1.6
25°	4659.9	4664.6	4636.3	4567.0	4452.0	4190.6	3869.3	3409.5	1864.6	111.8	0.0
26°	4661.4	4675.6	4655.1	4615.8	4521.3	4278.8	3985.9	3481.9	1823.6	94.5	0.0
27°	4661.4	4675.6	4655.1	4625.2	4532.3	4329.2	4048.8	3489.8	1760.6	80.3	0.0
28°	4683.5	4691.4	4664.6	4628.4	4527.6	4344.9	4066.2	3442.5	1659.9	69.3	0.0
29°	4744.9	4737.0	4692.9	4644.1	4522.9	4344.9	4014.2	3352.8	1533.9	58.3	0.0
30°	4834.7	4834.7	4765.4	4688.2	4544.9	4343.3	3930.7	3190.6	1393.7	47.2	0.0
31°	4955.9	4944.9	4875.6	4760.7	4592.2	4343.3	3807.9	3011.0	1264.6	40.9	0.0
32°	5037.8	5031.5	4965.4	4830.0	4669.3	4343.3	3675.6	2812.6	1124.4	33.1	0.0
33°	5094.5	5081.9	5006.3	4866.2	4716.6	4321.3	3527.6	2600.0	998.4	26.8	0.0
34°	5086.6	5083.5	5004.8	4859.9	4707.1	4229.9	3355.9	2363.8	881.9	22.0	0.0
35°	5042.6	5042.6	4946.5	4796.9	4639.4	4096.1	3185.8	2162.2	771.7	15.7	0.0
36°	5009.5	4996.9	4888.2	4721.3	4526.0	3885.1	2933.9	1959.1	653.5	12.6	0.0
37°	4960.7	4937.0	4815.8	4636.3	4365.4	3656.7	2669.3	1778.0	552.8	7.9	0.0
38°	4897.7	4861.4	4713.4	4537.0	4189.0	3393.7	2400.0	1574.8	459.8	4.7	0.0
39°	4782.7	4752.8	4600.0	4409.5	3978.0	3116.6	2138.6	1384.3	371.7	1.6	0.0
40°	4680.3	4628.4	4455.1	4236.2	3730.7	2803.2	1878.8	1196.9	292.9	0.0	0.0
42.5°	3946.5	3891.4	3852.0	3634.7	2971.7	2012.6	1311.8	766.9	152.8	0.0	0.0
45°	2675.6	2688.2	2565.4	2418.9	1960.6	1311.8	820.5	426.8	78.7	0.0	0.0
47.5°	1951.2	1918.1	1751.2	1474.0	1149.6	766.9	428.3	206.3	31.5	0.0	0.0
50°	1354.3	1291.3	1140.2	932.3	625.2	365.4	189.0	96.1	1.6	0.0	0.0
52.5°	735.4	691.3	585.8	425.2	259.8	140.2	75.6	39.4	0.0	0.0	0.0
55°	118.1	81.9	85.0	72.4	56.7	40.9	23.6	4.7	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	1.6	1.6
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.1	3.1
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.1	3.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	3.1	3.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.1	3.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	3.1	3.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	3.1	3.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.1	3.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	3.1	3.1
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):

	112.5°	135°	157.5°	180°
0°	200.0	200.0	200.0	200.0
2.5°	133.9	91.3	69.3	59.8
5°	77.2	31.5	17.3	15.7
7.5°	37.8	11.0	6.3	6.3
10°	15.7	3.1	0.0	0.0
12.5°	4.7	0.0	0.0	0.0
15°	0.0	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	1.6	0.0	0.0	0.0
67.5°	1.6	0.0	0.0	0.0
70°	1.6	0.0	0.0	0.0
72.5°	1.6	0.0	0.0	0.0
75°	1.6	0.0	0.0	0.0
77.5°	1.6	0.0	0.0	0.0
80°	1.6	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	1.6	0.0	0.0	0.0
85°	1.6	0.0	0.0	0.0
87.5°	1.6	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)