

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: P1323718

Luminaire Tested: LDSQA3D09R209030D2WDE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323718
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-48)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R209030D2WDE010 3LSQCA30R 1MB
Description: 3in Adjustable Dim to Warm LED luminaire with, R20 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

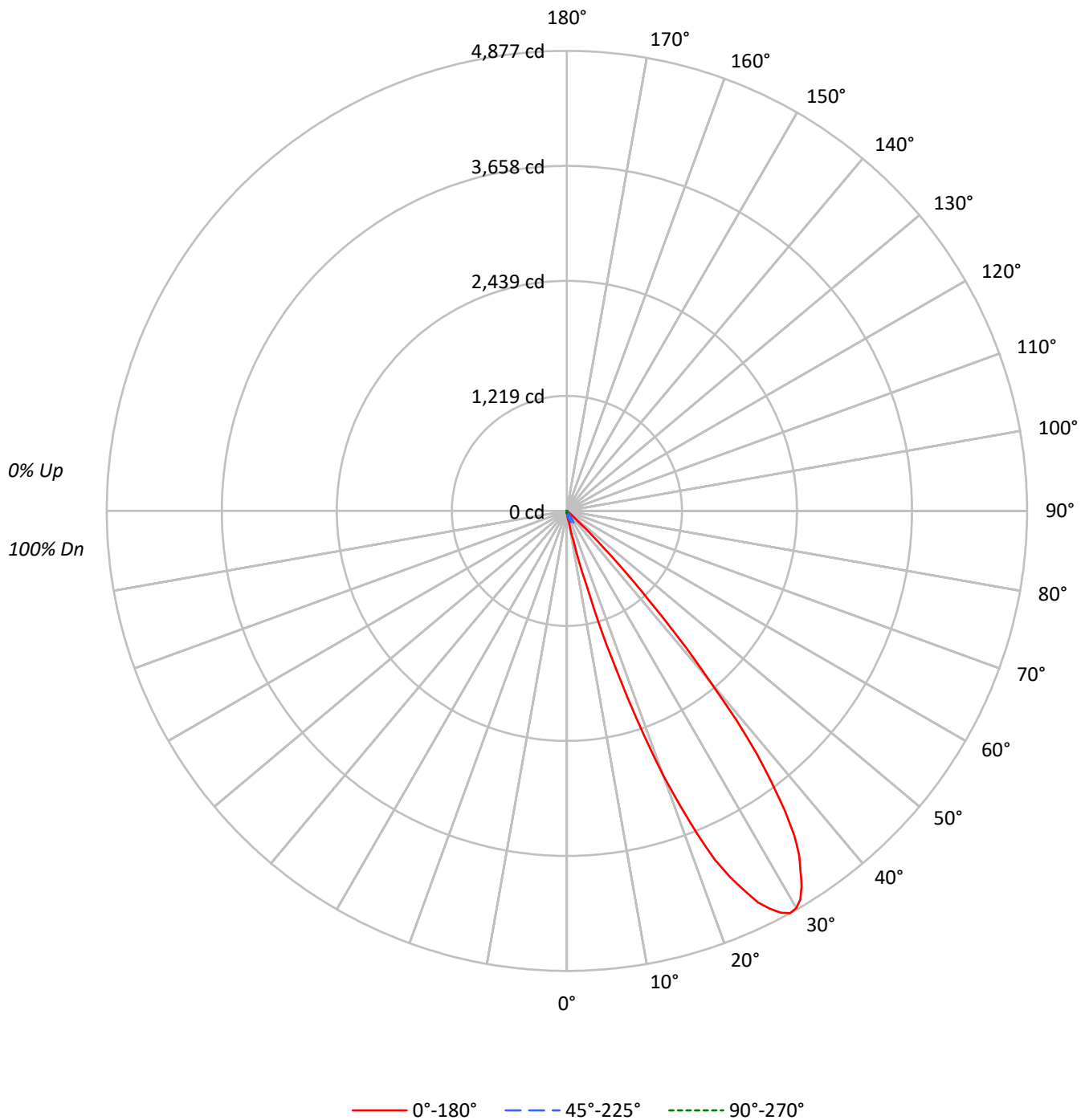
Lumens per Lamp: N/A
Luminaire Lumens: 673.0 lumens
Efficiency: N/A
Efficacy: 45.8 lumens/watt
Spacing Criteria (0/90/45): 2.28 / 0.42 / 1.12
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.7
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				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		0
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	96	92	104	98	94	91	95	92	89		92	89	87		89	87	85		83
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83	80	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	64	74	68	64		72	67	63		70	66	63		61
6	81	70	63	58	79	69	63	58	68	62	57		66	61	57		65	60	57		55
7	76	64	57	52	74	64	57	52	62	56	52		61	56	51		60	55	51		50
8	71	59	52	47	69	59	52	47	57	51	47		56	51	46		55	50	46		45
9	66	54	47	42	65	54	47	42	53	47	42		52	46	42		51	46	42		40
10	62	50	43	38	60	50	43	38	49	42	38		48	42	38		47	42	38		36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	4151	4151	4151	4151	4151
5°	9024	6362	3821	1729	1279
10°	22472	11245	2693	350	0
15°	158132	15387	1551	0	0
20°	546491	25879	605	0	0
25°	842369	33065	247	0	0
30°	966884	25554	0	0	0
35°	883029	9713	0	0	0
40°	529385	4519	0	0	0
45°	130085	2119	0	0	0
50°	14334	536	0	0	0
55°	2012	0	210	0	0
60°	0	0	448	0	0
65°	0	0	530	0	0
70°	0	352	1007	0	0
75°	0	466	1331	0	0
80°	0	694	1984	0	0
85°	0	1383	3952	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 1°

Vertical Angle: 45°

Luminance: 138732 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.7	0.4
10°-20°	52.6	7.8
20°-30°	265.9	39.5
30°-40°	287.6	42.7
40°-50°	60.8	9.0
50°-60°	1.8	0.3
60°-70°	0.4	0.1
70°-80°	0.6	0.1
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°	321.2	47.7
0°-40°	608.8	90.5
0°-60°	671.4	99.8
0°-90°	673.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	673.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	24	24	24	24	24	
5°	52	37	22	10	7	7
15°	887	86	9	0	0	370
25°	4433	174	1	0	0	2004
35°	4200	46	0	0	0	2477
45°	534	9	0	0	0	588
55°	7	0	1	0	0	12
65°	0	0	1	0	0	0
75°	0	1	2	0	0	0
85°	0	1	2	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1
2.5°	32.8	32.1	32.8	32.1	32.8	32.8	32.8	32.1	32.1	32.1	32.1
5°	52.2	52.2	51.5	52.2	52.2	52.2	52.2	51.5	51.5	50.9	50.9
7.5°	82.3	82.3	81.7	81.7	82.3	83.0	80.3	81.7	81.7	81.7	81.0
10°	128.5	131.2	128.5	131.9	129.2	127.2	130.5	127.2	127.2	126.5	124.5
12.5°	324.0	316.6	311.9	300.5	311.9	303.2	305.2	303.2	296.5	287.8	282.5
15°	886.9	886.9	860.7	895.6	870.1	879.5	831.3	832.0	807.2	780.4	765.7
17.5°	1854.0	1870.8	1853.4	1842.6	1819.9	1787.1	1773.7	1739.6	1694.7	1642.5	1636.5
20°	2981.8	2911.6	2944.3	2914.2	2895.5	2855.3	2810.5	2782.4	2742.9	2676.6	2578.9
21°	3336.6	3333.9	3333.2	3332.6	3305.1	3239.5	3198.7	3142.5	3086.9	3018.6	2937.0
22°	3694.0	3706.7	3712.1	3673.2	3617.0	3587.6	3559.5	3482.5	3394.8	3359.3	3262.3
23°	4022.0	4009.9	3975.1	3957.0	3913.5	3904.8	3821.2	3772.3	3686.6	3647.8	3532.7
24°	4245.5	4239.5	4223.4	4196.6	4161.8	4108.3	4058.1	3981.1	3910.8	3847.3	3740.2
25°	4432.9	4438.3	4408.8	4390.8	4353.3	4293.0	4231.5	4147.1	4081.5	4007.2	3883.4
26°	4618.3	4580.8	4557.4	4530.6	4489.8	4420.9	4361.3	4285.7	4206.0	4123.0	4001.9
27°	4732.8	4699.3	4663.8	4637.7	4590.9	4525.3	4461.7	4378.0	4289.0	4205.4	4080.9
28°	4823.1	4786.3	4751.5	4720.1	4666.5	4596.2	4519.9	4434.9	4342.6	4256.2	4129.0
29°	4876.7	4833.2	4795.7	4760.2	4711.4	4635.1	4558.1	4467.1	4378.0	4287.7	4157.8
30°	4862.0	4824.5	4788.3	4752.2	4702.7	4631.0	4554.7	4467.7	4378.0	4289.0	4157.2
31°	4804.4	4758.2	4732.1	4696.0	4653.1	4580.2	4514.6	4419.5	4338.5	4242.2	4110.3
32°	4694.0	4664.5	4629.7	4601.6	4560.1	4482.5	4418.2	4340.6	4244.8	4165.9	4027.3
33°	4544.0	4516.6	4499.2	4466.4	4426.2	4372.7	4295.7	4224.8	4117.0	4036.0	3897.5
34°	4400.8	4366.0	4322.5	4313.1	4278.3	4209.4	4139.8	4067.5	3971.1	3868.0	3728.1
35°	4200.0	4163.9	4123.7	4127.0	4085.5	4005.2	3934.3	3853.3	3761.6	3640.4	3507.9
36°	3931.6	3907.5	3901.5	3885.4	3837.9	3742.2	3674.6	3572.8	3495.9	3347.9	3234.2
37°	3604.3	3613.0	3569.5	3548.7	3493.2	3426.3	3388.1	3257.6	3167.9	3056.8	2902.9
38°	3273.7	3260.9	3209.4	3222.1	3145.8	3076.2	2968.4	2890.8	2790.4	2687.3	2564.2
39°	2860.7	2829.2	2767.6	2770.3	2712.8	2634.5	2530.0	2438.3	2378.1	2279.0	2161.2
40°	2354.7	2341.3	2319.9	2284.4	2208.8	2174.6	2081.6	1982.5	1931.7	1794.5	1736.9
42.5°	1306.5	1288.4	1252.3	1239.6	1199.4	1159.3	1105.1	1038.8	1006.7	965.8	874.8
45°	534.1	569.6	560.9	550.9	520.1	522.1	483.3	487.9	452.5	428.4	411.6
47.5°	117.8	127.8	128.5	123.8	128.5	124.5	122.5	119.1	119.8	121.8	117.1
50°	53.5	52.9	54.2	53.5	52.9	52.2	51.5	49.5	50.9	49.5	48.2
52.5°	20.7	21.4	21.4	20.1	20.7	20.7	20.7	20.1	20.1	20.1	20.1
55°	6.7	6.7	6.7	6.0	6.0	6.7	6.7	6.7	6.7	6.7	6.0
57.5°	0.7	1.3	0.7	1.3	0.7	0.7	0.7	0.7	0.7	1.3	1.3
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	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):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1
2.5°	30.8	28.1	26.1	24.1	20.1	16.7	15.4	15.4
5°	47.5	36.8	27.4	22.1	15.4	10.0	8.0	7.4
7.5°	71.6	49.5	28.8	18.7	10.0	5.4	3.3	2.7
10°	103.7	64.3	30.1	15.4	6.0	2.0	0.0	0.0
12.5°	181.4	77.0	30.1	12.0	2.7	0.0	0.0	0.0
15°	415.6	86.3	28.8	8.7	0.7	0.0	0.0	0.0
17.5°	863.4	108.4	25.4	6.0	0.0	0.0	0.0	0.0
20°	1378.8	141.2	20.1	3.3	0.0	0.0	0.0	0.0
21°	1591.0	152.6	18.1	2.7	0.0	0.0	0.0	0.0
22°	1743.6	163.3	16.1	2.0	0.0	0.0	0.0	0.0
23°	1911.6	170.0	14.1	1.3	0.0	0.0	0.0	0.0
24°	2035.4	174.0	12.0	1.3	0.0	0.0	0.0	0.0
25°	2112.4	174.0	10.7	1.3	0.0	0.0	0.0	0.0
26°	2157.9	170.0	9.4	0.7	0.0	0.0	0.0	0.0
27°	2168.6	163.3	8.0	0.7	0.0	0.0	0.0	0.0
28°	2155.2	154.6	6.7	0.0	0.0	0.0	0.0	0.0
29°	2113.1	141.9	6.0	0.0	0.0	0.0	0.0	0.0
30°	2067.5	128.5	4.7	0.0	0.0	0.0	0.0	0.0
31°	1989.9	110.4	4.0	0.0	0.0	0.0	0.0	0.0
32°	1900.2	91.7	3.3	0.0	0.0	0.0	0.0	0.0
33°	1780.4	72.3	2.7	0.0	0.0	0.0	0.0	0.0
34°	1603.7	56.9	2.7	0.0	0.0	0.0	0.0	0.0
35°	1445.1	46.2	2.0	0.0	0.0	0.0	0.0	0.0
36°	1237.6	36.8	2.0	0.0	0.0	0.0	0.0	0.0
37°	1060.2	30.8	2.0	0.0	0.0	0.0	0.0	0.0
38°	887.5	26.1	1.3	0.0	0.0	0.0	0.0	0.0
39°	720.2	22.8	1.3	0.0	0.0	0.0	0.0	0.0
40°	574.3	20.1	1.3	0.0	0.0	0.0	0.0	0.0
42.5°	309.9	13.4	0.0	0.0	0.0	0.0	0.0	0.0
45°	171.3	8.7	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	75.6	4.7	0.0	0.0	0.0	0.0	0.0	0.0
50°	25.4	2.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	12.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	6.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0
57.5°	1.3	0.0	0.0	0.7	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.7	1.3	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.7	1.3	0.7	0.0	0.0	0.0
65°	0.0	0.0	1.3	1.3	0.7	0.0	0.0	0.0
67.5°	0.0	0.7	1.3	2.0	0.7	0.0	0.0	0.0
70°	0.0	0.7	1.3	2.0	0.7	0.0	0.0	0.0
72.5°	0.0	0.7	1.3	2.0	0.7	0.0	0.0	0.0
75°	0.0	0.7	1.3	2.0	0.7	0.0	0.0	0.0
77.5°	0.0	0.7	1.3	2.0	0.7	0.0	0.0	0.0
80°	0.0	0.7	1.3	2.0	0.7	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.0	0.7	1.3	2.0	0.7	0.0	0.0	0.0
85°	0.0	0.7	1.3	2.0	0.7	0.0	0.0	0.0
87.5°	0.0	0.7	1.3	2.0	0.7	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)