

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: P1324042

Luminaire Tested: LDSQA3D17R309030D2WDE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324042
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-50)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R309030D2WDE010 3LSQCA30R 1MB
Description: 3in Adjustable Dim to Warm LED luminaire with, R30 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

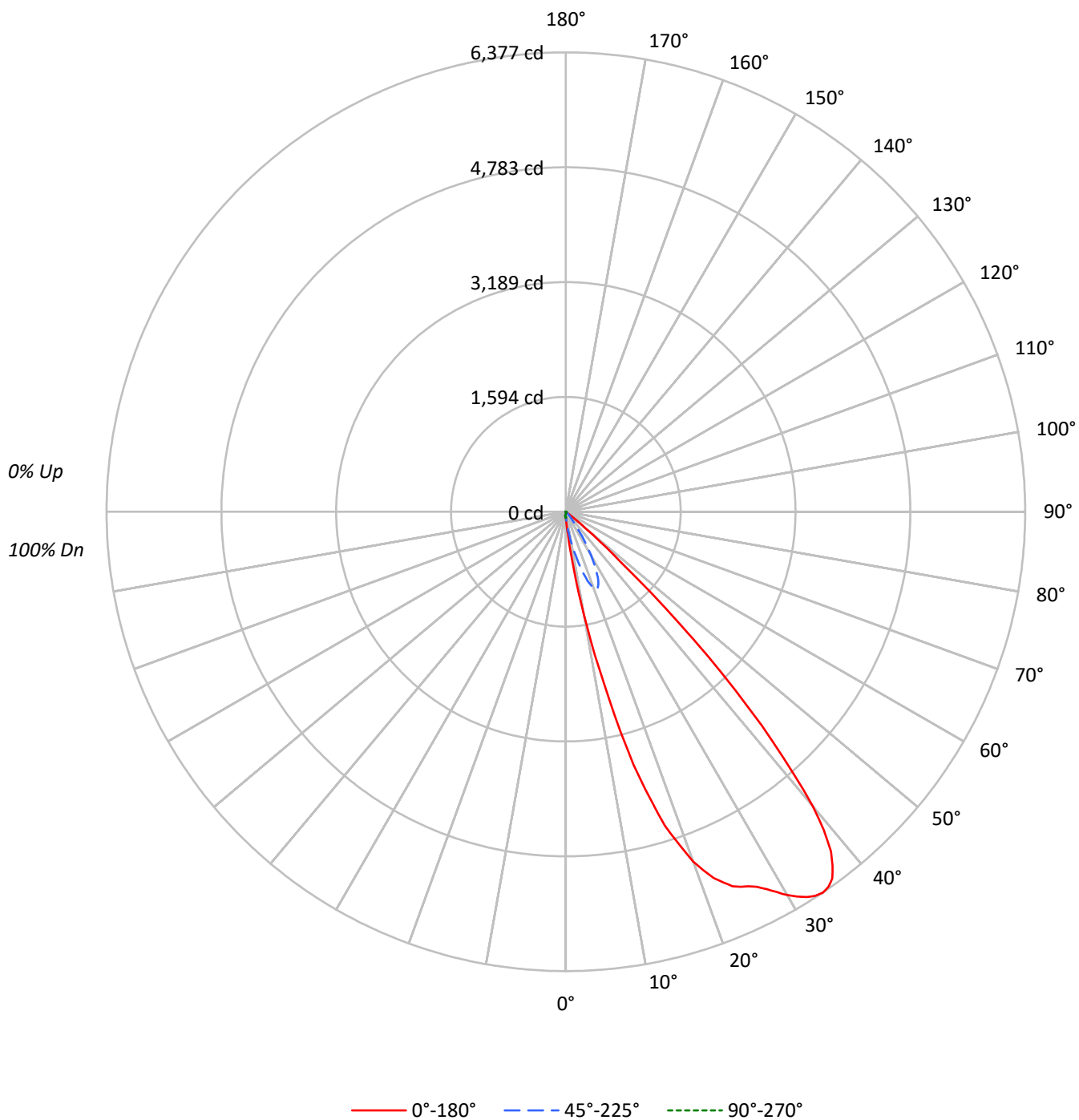
Lumens per Lamp: N/A
Luminaire Lumens: 1535.0 lumens
Efficiency: N/A
Efficacy: 56.2 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.3
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	78	73	91	83	77	72	81	75	71		78	74	70		76	73	69		68
5	87	77	70	65	85	76	70	65	74	68	64		72	67	63		71	66	63		61
6	81	71	64	58	80	70	63	58	68	62	58		67	61	57		65	61	57		55
7	76	65	58	53	74	64	57	53	63	57	52		61	56	52		60	55	52		50
8	71	60	53	48	70	59	52	48	58	52	47		57	51	47		56	51	47		45
9	66	55	48	43	65	54	48	43	53	47	43		52	47	43		51	46	43		41
10	62	51	44	39	61	50	44	39	49	43	39		48	43	39		48	43	39		37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	14139	14139	14139	14139	14139
5°	51294	31879	12949	5238	3734
10°	253925	76335	10073	1014	0
15°	647757	145366	6419	0	0
20°	946471	206716	2639	0	0
25°	1091931	202834	551	0	0
30°	1222069	139226	0	0	0
35°	1336528	59962	0	0	0
40°	1199576	23314	0	0	0
45°	612577	9474	0	0	0
50°	94553	1152	0	0	0
55°	5615	0	420	0	0
60°	0	0	482	0	0
65°	0	0	1182	0	0
70°	0	705	1460	0	0
75°	0	932	2861	0	0
80°	0	1389	4265	0	0
85°	0	2766	8497	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 612577 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.1	1.1
10°-20°	204.5	13.3
20°-30°	505.4	32.9
30°-40°	581.2	37.9
40°-50°	215.6	14.0
50°-60°	7.8	0.5
60°-70°	0.7	0.0
70°-80°	1.3	0.1
80°-90°	1.2	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°	727.1	47.4
0°-40°	1308.3	85.2
0°-60°	1531.8	99.8
0°-90°	1535.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1535.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	82	82	82	82	82	
5°	297	184	75	30	22	64
15°	3633	815	36	0	0	1045
25°	5746	1067	3	0	0	2655
35°	6357	285	0	0	0	3854
45°	2515	39	0	0	0	1959
55°	19	0	1	0	0	64
65°	0	0	3	0	0	0
75°	0	1	4	0	0	0
85°	0	1	4	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°	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
2.5°	145.5	146.9	146.9	142.6	141.2	139.7	135.4	122.4	102.3	82.1	66.3
5°	296.7	298.2	298.2	289.5	272.3	255.0	240.6	184.4	118.1	74.9	49.0
7.5°	700.1	701.5	671.3	636.7	567.6	531.5	465.3	283.8	134.0	67.7	31.7
10°	1452.0	1420.3	1341.1	1240.3	1133.7	995.4	855.7	436.5	145.5	57.6	20.2
12.5°	2427.3	2397.0	2294.7	2150.7	1941.8	1671.0	1405.9	613.7	146.9	46.1	11.5
15°	3633.0	3548.0	3425.5	3186.4	2878.1	2459.0	2021.0	815.3	141.2	36.0	2.9
17.5°	4567.9	4490.1	4334.5	4055.0	3671.9	3206.6	2669.3	1006.9	125.3	23.0	0.0
20°	5164.2	5082.1	4936.6	4690.3	4282.6	3736.7	3121.6	1127.9	103.7	14.4	0.0
21°	5334.2	5255.0	5112.4	4867.5	4461.3	3916.8	3232.5	1153.9	93.6	11.5	0.0
22°	5484.0	5422.1	5289.6	5023.1	4609.6	4049.3	3344.9	1156.7	86.4	8.6	0.0
23°	5589.2	5544.5	5412.0	5167.1	4755.1	4157.3	3405.4	1139.4	77.8	5.8	0.0
24°	5690.0	5635.3	5521.5	5293.9	4870.4	4248.1	3460.1	1107.8	69.1	4.3	0.0
25°	5746.2	5682.8	5595.0	5381.8	4965.5	4305.7	3493.2	1067.4	60.5	2.9	0.0
26°	5785.1	5736.1	5639.6	5433.6	5005.8	4343.1	3497.6	1008.4	54.7	1.4	0.0
27°	5844.2	5795.2	5701.6	5479.7	5023.1	4337.4	3471.6	940.7	47.5	0.0	0.0
28°	5933.5	5868.7	5775.0	5528.7	5030.3	4312.9	3414.0	867.2	40.3	0.0	0.0
29°	6035.8	5969.5	5867.2	5593.5	5031.7	4263.9	3323.3	786.5	36.0	0.0	0.0
30°	6145.2	6087.6	5983.9	5656.9	5047.6	4200.5	3218.1	700.1	28.8	0.0	0.0
31°	6231.7	6179.8	6068.9	5714.5	5060.5	4145.8	3088.5	613.7	24.5	0.0	0.0
32°	6306.6	6260.5	6123.6	5727.5	5034.6	4068.0	2950.2	530.1	20.2	0.0	0.0
33°	6358.4	6300.8	6140.9	5694.4	4959.7	3939.8	2796.0	450.9	15.8	0.0	0.0
34°	6377.2	6308.0	6115.0	5607.9	4808.4	3745.3	2595.8	368.8	13.0	0.0	0.0
35°	6357.0	6272.0	6021.3	5459.5	4603.9	3513.4	2355.2	285.2	10.1	0.0	0.0
36°	6292.2	6184.1	5887.4	5247.8	4311.5	3239.7	2114.7	221.8	7.2	0.0	0.0
37°	6152.4	6032.9	5658.3	4968.3	4021.9	2925.7	1841.0	172.9	4.3	0.0	0.0
38°	5981.0	5808.2	5352.9	4615.4	3647.4	2572.8	1570.2	142.6	2.9	0.0	0.0
39°	5688.6	5498.4	4989.9	4209.2	3280.0	2237.1	1306.5	123.9	1.4	0.0	0.0
40°	5335.7	5109.5	4575.1	3774.1	2846.5	1885.6	1090.5	103.7	1.4	0.0	0.0
42.5°	4024.8	3833.2	3258.4	2567.0	1740.1	1112.1	605.0	67.7	0.0	0.0	0.0
45°	2515.1	2314.9	1926.0	1407.4	942.1	576.2	291.0	38.9	0.0	0.0	0.0
47.5°	1027.1	942.1	775.0	596.4	426.4	270.8	121.0	17.3	0.0	0.0	0.0
50°	352.9	314.0	263.6	193.0	136.8	93.6	63.4	4.3	0.0	0.0	0.0
52.5°	102.3	103.7	90.8	77.8	60.5	43.2	31.7	0.0	0.0	0.0	0.0
55°	18.7	15.8	18.7	17.3	18.7	15.8	11.5	0.0	0.0	1.4	0.0
57.5°	0.0	0.0	1.4	1.4	1.4	1.4	1.4	0.0	1.4	1.4	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.9	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.9	1.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.9	2.9	1.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.9	2.9	1.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.9	4.3	1.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.9	4.3	1.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.9	4.3	1.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.9	4.3	1.4

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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	0.0	1.4	2.9	4.3	1.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.9	4.3	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.9	4.3	1.4
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):

	135°	157.5°	180°
0°	82.1	82.1	82.1
2.5°	53.3	47.5	44.7
5°	30.3	23.0	21.6
7.5°	15.8	10.1	8.6
10°	5.8	1.4	0.0
12.5°	0.0	0.0	0.0
15°	0.0	0.0	0.0
17.5°	0.0	0.0	0.0
20°	0.0	0.0	0.0
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	0.0
39°	0.0	0.0	0.0
40°	0.0	0.0	0.0
42.5°	0.0	0.0	0.0
45°	0.0	0.0	0.0
47.5°	0.0	0.0	0.0
50°	0.0	0.0	0.0
52.5°	0.0	0.0	0.0
55°	0.0	0.0	0.0
57.5°	0.0	0.0	0.0
60°	0.0	0.0	0.0
62.5°	0.0	0.0	0.0
65°	0.0	0.0	0.0
67.5°	0.0	0.0	0.0
70°	0.0	0.0	0.0
72.5°	0.0	0.0	0.0
75°	0.0	0.0	0.0
77.5°	0.0	0.0	0.0
80°	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)