

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: P1324030

Luminaire Tested: LDSQA3D17R259030D2WDE010 3LSQCA45R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324030
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-75)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R259030D2WDE010 3LSQCA45R 1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R25 optic, 3000K CCT AND, 90CRI ,
3LSQCA45R 1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

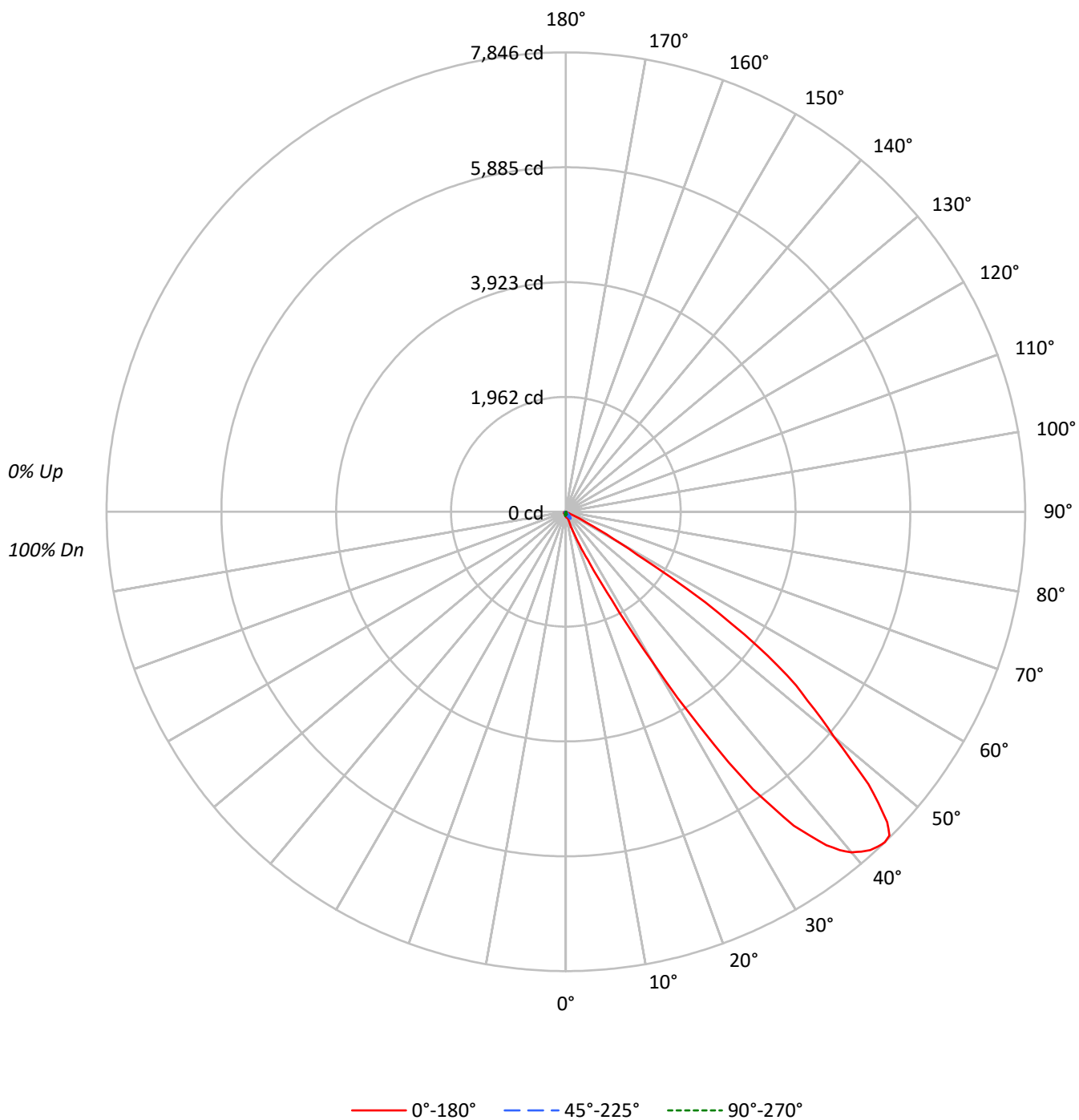
Lumens per Lamp: N/A
Luminaire Lumens: 1636.0 lumens
Efficiency: N/A
Efficacy: 59.9 lumens/watt
Spacing Criteria (0/90/45): 3.65 / 0.61 / 1.37
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
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	110	106	102	99	108	104	101	97	100	97	94	96	94	92	92	91	89	87		
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73		
3	92	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61		
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	58	53	51		
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42		
6	68	55	45	39	66	54	45	39	52	44	38	50	43	38	48	42	37	35		
7	62	48	39	32	60	47	39	32	46	38	32	44	37	32	43	36	32	29		
8	57	43	34	27	55	42	33	27	40	33	27	39	32	27	38	32	27	25		
9	52	38	29	23	51	37	29	23	36	28	23	35	28	23	34	27	23	21		
10	48	34	25	20	47	33	25	20	32	25	20	31	24	19	30	24	19	17		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	14381	14381	14381	14381	14381
5°	16424	15680	13934	12447	12188
10°	16369	14847	11839	10318	10318
15°	18222	12837	9236	8719	9236
20°	64385	12664	7129	7386	8174
25°	185200	16133	5739	6841	7924
30°	590909	24898	4574	6582	8014
35°	1294247	29350	3932	6349	8179
40°	1707311	26551	3237	6475	8746
45°	1903978	18584	3166	7015	9474
50°	1602682	9646	3081	7341	10423
55°	1198252	3903	3033	8227	11680
60°	370933	999	2962	8921	12882
65°	31664	0	3505	9373	14100
70°	2165	705	3626	10877	15962
75°	1930	932	4791	11512	18232
80°	1389	1389	7141	12893	21423
85°	2766	2766	11461	14227	22724

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1903978 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.5	0.5
10°-20°	19.3	1.2
20°-30°	90.5	5.5
30°-40°	435.8	26.6
40°-50°	683.1	41.8
50°-60°	350.2	21.4
60°-70°	33.0	2.0
70°-80°	11.1	0.7
80°-90°	5.6	0.3
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°	117.3	7.2
0°-40°	553.0	33.8
0°-60°	1586.3	97.0
0°-90°	1636.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1636.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	84	84	84	84	84	
5°	95	91	81	72	70	9
15°	102	72	52	49	52	43
25°	975	85	30	36	42	605
35°	6156	140	19	30	39	3737
45°	7817	76	13	29	39	5720
55°	3991	13	10	27	39	3322
65°	78	0	9	23	35	244
75°	3	1	7	17	27	3
85°	1	1	6	7	12	1
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°	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
2.5°	90.7	90.7	90.7	90.7	90.7	90.7	89.3	89.3	90.7	89.3	89.3
5°	95.0	95.0	95.0	95.0	95.0	95.0	95.0	93.6	93.6	93.6	90.7
7.5°	96.5	95.0	95.0	95.0	95.0	95.0	95.0	95.0	93.6	93.6	89.3
10°	93.6	93.6	93.6	93.6	92.1	92.1	92.1	90.7	90.7	90.7	84.9
12.5°	93.6	93.6	93.6	93.6	92.1	92.1	90.7	90.7	89.3	87.8	77.7
15°	102.2	102.2	102.2	100.8	99.3	97.9	96.5	95.0	93.6	90.7	72.0
17.5°	149.7	145.4	144.0	138.2	131.0	123.8	118.1	112.3	106.5	102.2	69.1
20°	351.3	349.8	342.6	325.4	306.6	285.0	263.5	239.0	204.4	181.4	69.1
22.5°	609.0	600.3	587.4	574.4	541.3	502.4	462.1	416.1	371.4	323.9	73.4
25°	974.6	994.8	951.6	917.1	859.5	788.9	712.6	649.3	568.7	493.8	84.9
27.5°	1694.5	1707.4	1622.5	1510.2	1376.3	1228.0	1084.1	976.1	840.8	716.9	106.5
30°	2971.4	2984.4	2841.9	2602.9	2326.5	2083.2	1753.5	1464.1	1197.8	991.9	125.2
31°	3708.5	3607.7	3442.2	3210.4	2860.6	2493.5	2097.6	1747.7	1410.8	1140.2	131.0
32°	4349.2	4340.5	4147.6	3796.3	3445.1	2991.6	2500.7	2044.3	1631.1	1289.9	135.3
33°	5105.0	5047.4	4775.3	4444.2	3979.2	3522.8	2889.4	2368.2	1857.1	1456.9	138.2
34°	5711.1	5555.6	5443.3	5064.7	4573.7	3992.1	3314.1	2710.8	2139.3	1618.2	139.6
35°	6155.9	6122.8	5904.0	5551.3	5051.7	4457.1	3771.9	3066.4	2375.4	1805.3	139.6
36°	6626.7	6524.5	6311.4	5991.8	5505.2	4890.5	4121.7	3374.5	2650.4	1973.7	138.2
37°	6921.8	6861.3	6649.7	6320.0	5843.5	5256.1	4513.3	3699.9	2869.2	2142.2	135.3
38°	7225.6	7103.2	6894.4	6579.2	6111.3	5559.9	4796.9	3950.4	3070.8	2290.5	131.0
39°	7435.7	7309.1	7096.0	6782.2	6324.3	5777.3	5021.5	4163.4	3246.4	2401.3	125.2
40°	7594.1	7471.7	7255.8	6933.3	6481.3	5948.6	5208.6	4352.0	3393.2	2497.8	118.1
41°	7692.0	7578.3	7363.8	7042.7	6589.2	6046.5	5331.0	4474.4	3492.6	2562.6	110.9
42°	7774.1	7657.5	7438.6	7110.4	6655.5	6130.0	5405.9	4552.1	3560.2	2595.7	105.1
43°	7820.1	7703.5	7490.5	7155.0	6695.8	6168.9	5446.2	4588.1	3583.3	2591.4	95.0
44°	7846.0	7725.1	7510.6	7175.2	6713.0	6178.9	5449.0	4580.9	3567.4	2556.8	86.4
45°	7817.3	7697.8	7490.5	7155.0	6682.8	6147.3	5420.3	4542.1	3507.0	2489.1	76.3
46°	7630.1	7538.0	7347.9	7039.8	6587.8	6066.6	5346.8	4467.2	3413.4	2405.6	64.8
47°	7300.4	7227.0	7042.7	6813.8	6405.0	5918.4	5211.5	4324.7	3282.4	2280.4	51.8
48°	6956.3	6848.4	6677.1	6442.4	6096.9	5652.0	4988.4	4115.9	3083.7	2116.3	46.1
49°	6448.2	6384.8	6233.6	5971.6	5685.1	5293.6	4673.1	3848.2	2840.4	1937.8	40.3
50°	5981.7	5938.5	5726.9	5534.0	5230.2	4864.5	4245.5	3495.4	2538.1	1716.1	36.0
51°	5617.5	5565.7	5413.1	5172.6	4848.7	4424.0	3841.0	3037.6	2191.1	1452.6	28.8
52°	5237.4	5208.6	5073.3	4825.7	4507.5	4084.3	3447.9	2648.9	1854.3	1228.0	23.0
53°	4926.5	4884.7	4719.1	4498.9	4154.8	3717.2	3021.8	2287.6	1570.6	1032.2	20.2
54°	4473.0	4455.7	4349.2	4118.8	3745.9	3269.4	2636.0	1926.2	1310.1	875.3	17.3
55°	3990.7	3933.1	3825.1	3642.3	3299.7	2854.8	2189.7	1596.6	1059.6	737.1	13.0
56°	3403.3	3400.4	3207.5	3054.9	2751.2	2279.0	1749.2	1246.7	860.9	614.7	11.5
57°	2841.9	2751.2	2565.4	2414.3	2087.5	1729.0	1298.6	934.3	673.8	498.1	8.6
58°	2101.9	2054.4	2005.4	1783.7	1481.4	1225.1	927.1	656.5	498.1	380.1	5.8
59°	1426.7	1425.2	1367.7	1199.2	1025.0	763.0	578.7	446.3	342.6	279.3	4.3
60°	1076.9	1050.9	935.8	824.9	645.0	482.3	342.6	263.5	213.1	180.0	2.9
62.5°	377.2	391.6	344.1	285.0	217.4	178.5	136.8	110.9	90.7	73.4	0.0
65°	77.7	84.9	73.4	69.1	54.7	47.5	41.7	36.0	30.2	25.9	0.0



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
67.5°	10.1	8.6	8.6	8.6	7.2	7.2	7.2	7.2	5.8	5.8	1.4
70°	4.3	4.3	4.3	4.3	4.3	4.3	2.9	2.9	2.9	2.9	1.4
72.5°	4.3	4.3	4.3	2.9	2.9	2.9	2.9	2.9	2.9	1.4	1.4
75°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	1.4	1.4	1.4	1.4
77.5°	2.9	2.9	2.9	2.9	2.9	2.9	1.4	1.4	1.4	1.4	1.4
80°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
82.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.9
85°	1.4	1.4	1.4	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	83.5	83.5	83.5	83.5	83.5	83.5
2.5°	87.8	84.9	80.6	79.2	77.7	77.7
5°	86.4	80.6	76.3	72.0	70.5	70.5
7.5°	82.1	74.9	69.1	66.2	64.8	63.3
10°	77.7	67.7	61.9	59.0	59.0	59.0
12.5°	69.1	60.5	54.7	53.3	54.7	54.7
15°	61.9	51.8	48.9	48.9	50.4	51.8
17.5°	53.3	46.1	43.2	44.6	46.1	47.5
20°	47.5	38.9	38.9	40.3	44.6	44.6
22.5°	41.7	34.6	34.6	38.9	41.7	43.2
25°	37.4	30.2	31.7	36.0	40.3	41.7
27.5°	31.7	25.9	28.8	34.6	38.9	40.3
30°	27.4	23.0	27.4	33.1	37.4	40.3
31°	25.9	21.6	27.4	31.7	37.4	40.3
32°	23.0	21.6	25.9	31.7	37.4	38.9
33°	21.6	20.2	25.9	31.7	37.4	38.9
34°	20.2	18.7	24.5	31.7	37.4	38.9
35°	17.3	18.7	24.5	30.2	36.0	38.9
36°	15.8	17.3	24.5	30.2	36.0	38.9
37°	14.4	17.3	23.0	30.2	36.0	38.9
38°	13.0	15.8	23.0	30.2	36.0	38.9
39°	11.5	15.8	21.6	30.2	36.0	38.9
40°	10.1	14.4	21.6	28.8	36.0	38.9
41°	10.1	14.4	21.6	28.8	36.0	38.9
42°	8.6	14.4	21.6	28.8	36.0	38.9
43°	7.2	13.0	21.6	28.8	36.0	38.9
44°	5.8	13.0	20.2	28.8	36.0	38.9
45°	5.8	13.0	20.2	28.8	36.0	38.9
46°	4.3	11.5	20.2	28.8	36.0	38.9
47°	2.9	11.5	20.2	27.4	36.0	38.9
48°	2.9	11.5	20.2	27.4	36.0	38.9
49°	2.9	11.5	18.7	27.4	36.0	38.9
50°	2.9	11.5	18.7	27.4	36.0	38.9
51°	1.4	10.1	18.7	27.4	36.0	38.9
52°	1.4	10.1	18.7	27.4	36.0	40.3
53°	1.4	10.1	18.7	27.4	36.0	38.9
54°	1.4	10.1	17.3	27.4	36.0	38.9
55°	1.4	10.1	17.3	27.4	36.0	38.9
56°	1.4	8.6	17.3	25.9	36.0	38.9
57°	2.9	8.6	17.3	25.9	36.0	37.4
58°	2.9	8.6	17.3	25.9	34.6	37.4
59°	2.9	8.6	17.3	25.9	34.6	37.4
60°	2.9	8.6	15.8	25.9	34.6	37.4
62.5°	2.9	8.6	15.8	24.5	33.1	36.0
65°	2.9	8.6	14.4	23.0	33.1	34.6



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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
67.5°	2.9	7.2	14.4	21.6	31.7	33.1
70°	4.3	7.2	13.0	21.6	30.2	31.7
72.5°	4.3	7.2	13.0	18.7	27.4	30.2
75°	4.3	7.2	11.5	17.3	25.9	27.4
77.5°	4.3	7.2	10.1	15.8	23.0	24.5
80°	5.8	7.2	8.6	13.0	20.2	21.6
82.5°	5.8	7.2	7.2	10.1	15.8	17.3
85°	4.3	5.8	5.8	7.2	10.1	11.5
87.5°	4.3	5.8	4.3	2.9	5.8	5.8
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)