

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: P1324047

Luminaire Tested: LDSQA3D17R309030D2WDE010 3LSQCA45R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324047
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-76)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R309030D2WDE010 3LSQCA45R 1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R30 optic, 3000K CCT AND, 90CRI ,
3LSQCA45R 1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

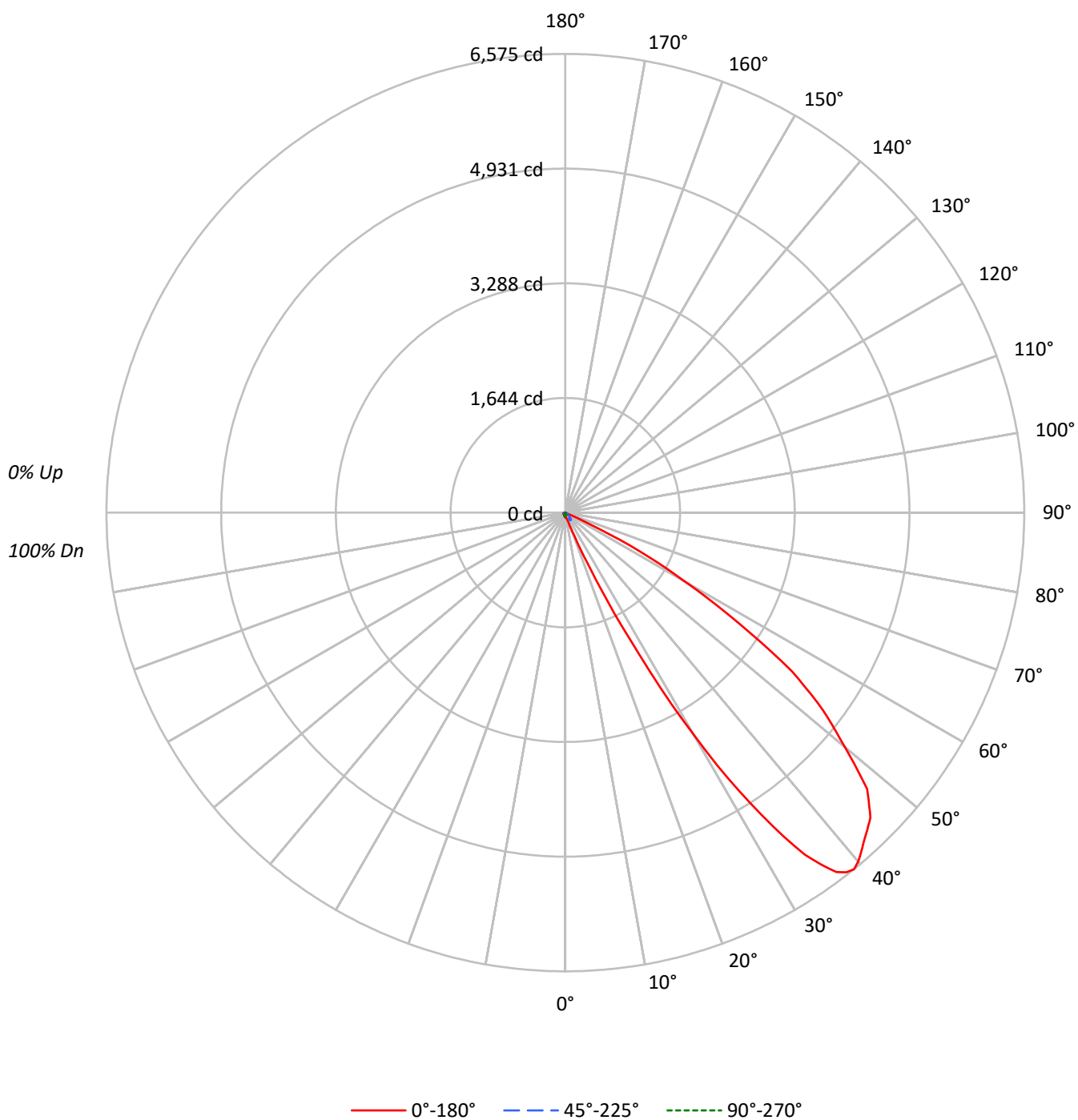
Lumens per Lamp: N/A
Luminaire Lumens: 1709.0 lumens
Efficiency: N/A
Efficacy: 62.6 lumens/watt
Spacing Criteria (0/90/45): 4.07 / 0.66 / 1.44
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63
4	83	71	62	55	80	69	61	55	67	60	54	64	58	53	62	57	52
5	75	62	52	46	73	60	52	45	58	51	45	56	50	44	54	49	44
6	68	54	45	38	66	53	44	38	51	43	37	49	42	37	48	42	37
7	62	48	38	32	60	47	38	32	45	37	31	44	36	31	42	36	31
8	56	42	33	27	55	41	33	27	40	32	26	39	32	26	37	31	26
9	52	37	29	23	50	37	28	23	36	28	22	34	27	22	33	27	22
10	48	33	25	19	46	33	25	19	32	24	19	31	24	19	30	24	19

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	11401	11401	11401	11401	11401
5°	12188	11946	11203	10200	9958
10°	13343	11839	9811	8814	8552
15°	19506	11803	8220	7435	7702
20°	49081	12921	6341	6341	7129
25°	227880	16133	4922	5739	6575
30°	725442	22333	3719	5449	6582
35°	1258800	27248	3028	5151	6665
40°	1468079	27181	2271	5171	6790
45°	1505588	19290	2460	5602	7355
50°	1400126	10798	1929	5787	8493
55°	1189994	5615	2162	6486	9518
60°	687272	1481	2480	6958	10402
65°	140225	0	2934	8232	11736
70°	2165	705	3626	9416	13797
75°	1930	932	3859	9582	16303
80°	1389	1389	5752	11406	18546
85°	0	2766	11461	11461	22724

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1505588 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.0	0.4
10°-20°	17.2	1.0
20°-30°	98.6	5.8
30°-40°	460.3	26.9
40°-50°	651.0	38.1
50°-60°	400.5	23.4
60°-70°	61.0	3.6
70°-80°	9.7	0.6
80°-90°	4.8	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°	121.8	7.1
0°-40°	582.1	34.1
0°-60°	1633.5	95.6
0°-90°	1709.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1709.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	66	66	66	66	66	
5°	70	69	65	59	58	7
15°	109	66	46	42	43	39
25°	1199	85	26	30	35	738
35°	5987	130	14	24	32	3593
45°	6182	79	10	23	30	4686
55°	3963	19	7	22	32	3372
65°	344	0	7	20	29	623
75°	3	1	6	14	24	3
85°	0	1	6	6	12	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	45°	67.5°	90°	112.5°	135°
0°	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
2.5°	67.7	67.7	69.1	69.1	67.7	69.1	69.1	69.1	66.2	64.8	61.9
5°	70.5	70.5	70.5	72.0	70.5	70.5	69.1	67.7	64.8	60.5	59.0
7.5°	73.4	73.4	72.0	73.4	72.0	72.0	69.1	66.2	61.9	57.6	54.7
10°	76.3	76.3	74.9	74.9	73.4	73.4	67.7	63.3	56.1	51.8	50.4
12.5°	84.9	84.9	83.5	82.1	79.2	77.7	66.2	59.0	50.4	46.1	44.6
15°	109.4	108.0	105.1	100.8	93.6	92.1	66.2	54.7	46.1	41.7	41.7
17.5°	149.7	148.3	144.0	132.4	119.5	115.2	66.2	48.9	40.3	37.4	37.4
20°	267.8	256.2	234.7	205.9	175.6	159.8	70.5	43.2	34.6	33.1	34.6
21°	349.8	338.3	311.0	263.4	210.2	192.9	73.4	41.7	33.1	31.7	34.6
22°	476.5	463.5	407.4	342.6	266.3	236.1	74.9	38.9	30.2	30.2	33.1
23°	665.1	643.5	548.5	444.8	332.5	289.4	77.7	37.4	28.8	30.2	31.7
24°	871.0	852.2	744.3	588.8	424.7	362.8	80.6	36.0	27.4	27.4	30.2
25°	1199.2	1177.6	986.1	742.8	538.4	436.2	84.9	33.1	25.9	25.9	30.2
26°	1623.9	1524.5	1269.7	957.3	663.7	547.0	89.3	31.7	24.5	25.9	28.8
27°	2026.9	1944.9	1658.4	1228.0	820.6	672.3	95.0	30.2	23.0	24.5	28.8
28°	2556.7	2441.5	2080.2	1553.3	1033.6	813.4	100.8	28.8	21.6	24.5	27.4
29°	3149.8	2988.6	2552.4	1919.0	1274.0	971.7	106.5	27.4	20.2	23.0	27.4
30°	3647.9	3496.8	3060.6	2352.3	1550.4	1180.5	112.3	25.9	18.7	23.0	27.4
31°	4232.4	4003.5	3475.2	2719.4	1788.0	1389.2	118.0	23.0	17.3	21.6	25.9
32°	4706.0	4546.2	3984.8	3134.0	2100.4	1619.5	122.4	21.6	17.3	21.6	25.9
33°	5163.8	4949.3	4406.6	3531.3	2382.5	1855.6	126.7	20.2	15.8	20.2	25.9
34°	5601.4	5404.2	4805.3	3852.3	2648.8	2080.2	129.6	17.3	15.8	20.2	24.5
35°	5987.3	5758.4	5156.6	4166.2	2922.4	2284.6	129.6	15.8	14.4	18.7	24.5
36°	6237.7	6073.6	5461.8	4475.7	3170.0	2479.0	129.6	14.4	13.0	18.7	23.0
37°	6452.2	6260.8	5706.5	4713.2	3352.8	2634.4	129.6	13.0	13.0	18.7	23.0
38°	6540.1	6375.9	5875.0	4923.4	3524.1	2792.8	128.1	11.5	11.5	17.3	23.0
39°	6574.6	6427.8	6001.6	5074.6	3650.8	2899.3	125.2	10.1	11.5	17.3	23.0
40°	6530.0	6419.1	6066.4	5172.4	3751.6	2977.1	120.9	8.6	10.1	17.3	23.0
42.5°	6345.7	6272.3	6052.0	5270.3	3837.9	3034.7	105.1	5.8	10.1	15.8	23.0
45°	6181.6	6101.0	5906.6	5168.1	3725.7	2920.9	79.2	2.9	10.1	15.8	23.0
47.5°	5863.4	5813.1	5660.5	4907.6	3479.5	2664.7	56.1	1.4	8.6	14.4	21.6
50°	5225.7	5178.2	4976.7	4261.2	2992.9	2253.0	40.3	1.4	7.2	14.4	21.6
52.5°	4654.2	4603.8	4314.4	3542.8	2299.0	1651.2	25.9	1.4	7.2	14.4	21.6
55°	3963.2	3875.4	3495.3	2689.2	1629.6	1107.0	18.7	1.4	7.2	13.0	21.6
57.5°	2933.9	2805.8	2466.0	1834.0	938.6	600.3	10.1	1.4	7.2	13.0	21.6
60°	1995.3	1919.0	1543.2	967.4	400.2	253.4	4.3	1.4	7.2	13.0	20.2
62.5°	1209.3	1112.8	775.9	411.7	172.8	115.2	0.0	2.9	7.2	13.0	20.2
65°	344.1	305.2	203.0	93.6	48.9	37.4	0.0	2.9	7.2	13.0	20.2
67.5°	11.5	11.5	11.5	10.1	7.2	7.2	1.4	2.9	7.2	13.0	18.7
70°	4.3	4.3	4.3	2.9	2.9	1.4	1.4	2.9	7.2	11.5	18.7
72.5°	2.9	2.9	2.9	2.9	1.4	1.4	1.4	2.9	5.8	10.1	17.3
75°	2.9	2.9	2.9	1.4	1.4	1.4	1.4	4.3	5.8	10.1	14.4
77.5°	2.9	2.9	2.9	1.4	1.4	1.4	1.4	4.3	5.8	8.6	14.4
80°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	4.3	5.8	8.6	11.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	45°	67.5°	90°	112.5°	135°
82.5°	1.4	1.4	1.4	0.0	0.0	0.0	1.4	4.3	5.8	5.8	8.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	4.3	5.8	4.3	5.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	4.3	4.3	4.3	2.9
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):

	157.5°	180°
0°	66.2	66.2
2.5°	61.9	61.9
5°	57.6	57.6
7.5°	53.3	53.3
10°	48.9	48.9
12.5°	46.1	46.1
15°	41.7	43.2
17.5°	38.9	40.3
20°	37.4	38.9
21°	37.4	38.9
22°	36.0	37.4
23°	36.0	37.4
24°	34.6	36.0
25°	33.1	34.6
26°	33.1	34.6
27°	33.1	34.6
28°	31.7	34.6
29°	31.7	33.1
30°	31.7	33.1
31°	30.2	33.1
32°	30.2	33.1
33°	30.2	31.7
34°	28.8	31.7
35°	28.8	31.7
36°	28.8	31.7
37°	28.8	30.2
38°	28.8	31.7
39°	28.8	30.2
40°	28.8	30.2
42.5°	28.8	30.2
45°	28.8	30.2
47.5°	28.8	31.7
50°	28.8	31.7
52.5°	28.8	31.7
55°	28.8	31.7
57.5°	28.8	30.2
60°	28.8	30.2
62.5°	27.4	30.2
65°	27.4	28.8
67.5°	27.4	28.8
70°	25.9	27.4
72.5°	24.5	25.9
75°	21.6	24.5
77.5°	20.2	21.6
80°	17.3	18.7



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CANDELA DISTRIBUTION (continued):

	157.5°	180°
82.5°	14.4	14.4
85°	10.1	11.5
87.5°	5.8	5.8
90°	0.0	0.0

(END OF REPORT)