

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: P1323513

Luminaire Tested: LDSQA3D02R509030D2WDE010 3LSQCA45R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323513
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-79)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R509030D2WDE010 3LSQCA45R 1MB
Description: 3in Adjustable Dim to Warm LED luminaire with, R50 optic, 3000K CCT AND, 90CRI ,
3LSQCA45R 1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

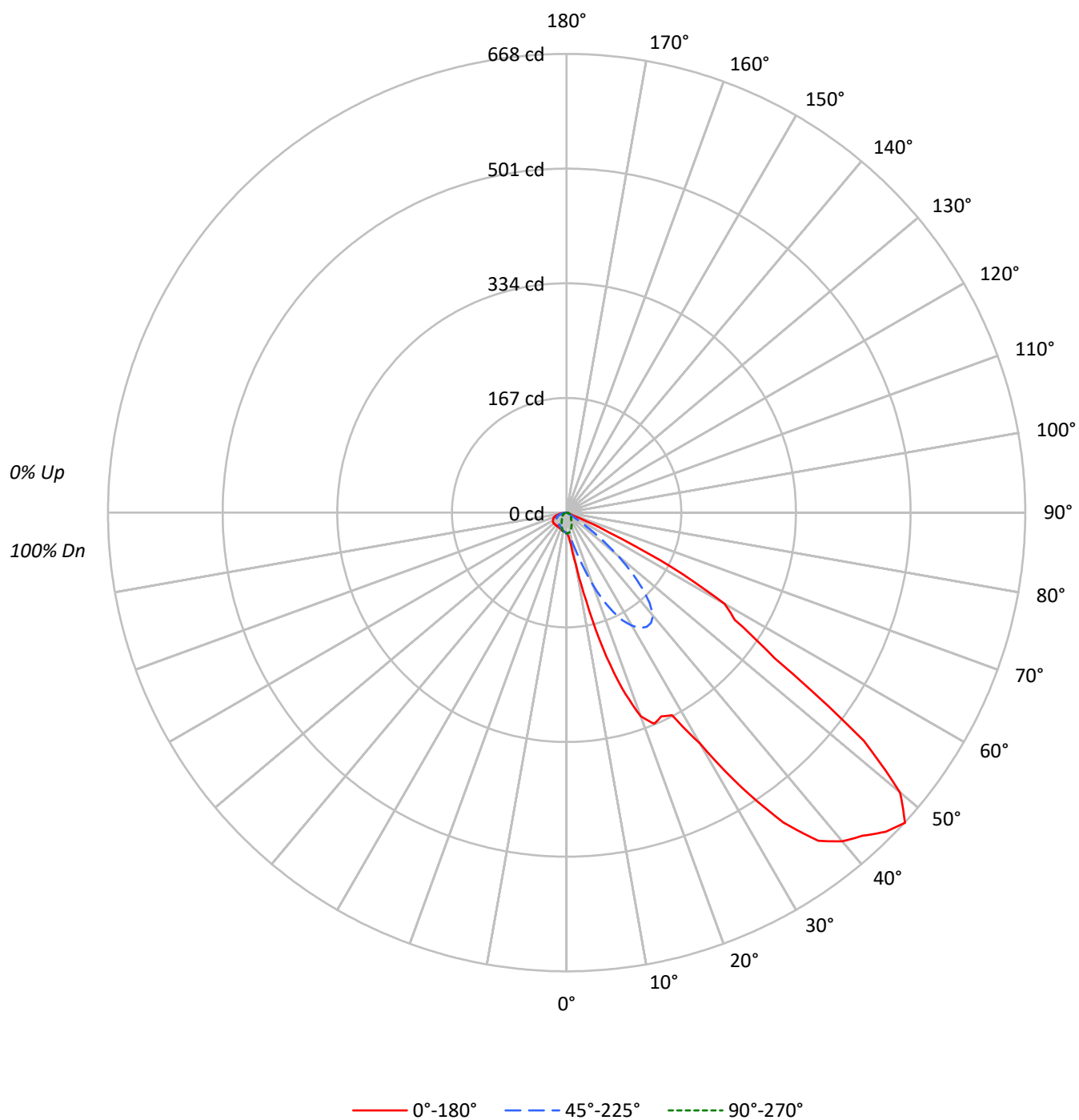
Lumens per Lamp: N/A
Luminaire Lumens: 377.0 lumens
Efficiency: N/A
Efficacy: 52.4 lumens/watt
Spacing Criteria (0/90/45): 3.58 / 0.82 / 1.91
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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			0
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	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61		
4	83	71	63	56	81	70	62	55	67	60	55	65	59	54	63	58	53	51		
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	43		
6	69	56	47	40	67	55	46	40	53	45	39	51	44	39	50	43	39	37		
7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	38	33	31		
8	58	44	36	30	57	44	35	29	42	35	29	41	34	29	40	34	29	27		
9	54	40	31	26	53	39	31	26	38	31	25	37	30	25	36	30	25	23		
10	50	36	28	23	49	36	28	22	35	27	22	34	27	22	33	27	22	20		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	5167	5167	5167	5167	5167
5°	6137	5740	5117	4893	4841
10°	13203	7118	4897	4722	4792
15°	36569	11679	4404	4529	4707
20°	57823	20472	3812	4362	4600
25°	62196	30081	3287	4200	4637
30°	77200	37745	2844	4136	4793
35°	115845	42722	2460	4184	5067
40°	140490	43930	2203	4317	5351
45°	160043	37679	2143	4603	5870
50°	169868	25989	2170	4984	6538
55°	110976	10449	2162	5375	7236
60°	91519	1791	2136	5821	7957
65°	27589	937	1997	6235	8762
70°	1158	1007	1964	6395	9517
75°	1065	1065	1930	6521	10381
80°	992	992	1984	6447	10612
85°	593	1383	2569	6521	10275

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 170415 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.1	0.8
10°-20°	17.8	4.7
20°-30°	45.9	12.2
30°-40°	82.4	21.9
40°-50°	110.1	29.2
50°-60°	83.9	22.2
60°-70°	25.5	6.8
70°-80°	6.1	1.6
80°-90°	2.2	0.6
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°	66.9	17.7
0°-40°	149.3	39.6
0°-60°	343.3	91.0
0°-90°	377.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	377.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	30	30	30	30	30	
5°	36	33	30	28	28	5
15°	205	66	25	25	26	60
25°	327	158	17	22	24	156
35°	551	203	12	20	24	338
45°	657	155	9	19	24	502
55°	370	35	7	18	24	368
65°	68	2	5	15	22	94
75°	2	2	3	10	16	2
85°	0	1	1	3	5	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°	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
2.5°	31.9	31.9	31.9	31.9	31.9	31.9	31.6	31.6	31.6	30.9	30.3
5°	35.5	35.8	35.5	35.5	34.8	34.8	34.2	34.2	33.2	31.3	29.6
7.5°	46.6	46.2	45.9	44.6	43.6	41.4	40.4	38.7	35.8	31.3	29.0
10°	75.5	73.6	72.3	69.4	63.2	59.3	54.1	48.8	40.7	31.3	28.0
12.5°	131.2	130.9	127.0	117.2	108.4	96.4	83.7	71.0	50.1	30.6	26.7
15°	205.1	202.2	196.7	185.3	169.7	150.8	128.0	105.5	65.5	29.6	24.7
17.5°	268.3	264.7	260.5	249.1	231.2	207.4	180.1	149.1	86.3	28.3	22.8
20°	315.5	313.3	309.7	300.6	283.6	262.1	231.5	194.1	111.7	26.7	20.8
22.5°	332.8	332.5	333.1	329.9	321.4	304.5	275.2	236.1	136.8	24.7	18.9
25°	327.3	326.9	331.2	335.4	337.4	330.5	308.0	269.9	158.3	23.1	17.3
27.5°	332.5	331.5	329.5	330.2	335.7	339.6	329.2	296.0	176.8	20.8	15.6
30°	388.2	382.6	373.8	358.8	347.8	346.8	342.2	316.5	189.8	18.6	14.3
32.5°	475.1	468.3	452.3	424.6	398.2	378.1	363.7	333.8	199.0	16.3	12.7
35°	551.0	546.1	527.5	500.2	462.4	424.6	398.6	359.2	203.2	14.3	11.7
37.5°	602.4	600.5	582.2	552.9	514.5	469.9	435.4	385.2	202.2	12.0	10.7
40°	624.9	619.0	603.7	579.0	540.2	500.2	463.7	401.8	195.4	9.8	9.8
42.5°	638.2	631.7	615.1	591.7	553.6	510.9	467.0	394.7	179.1	7.8	9.4
45°	657.1	650.3	628.5	603.4	565.0	515.5	454.3	369.3	154.7	5.9	8.8
47.5°	668.5	664.0	647.7	622.6	576.0	509.0	424.9	345.5	127.6	4.6	8.5
50°	634.0	629.4	617.4	600.1	568.9	487.1	399.2	307.1	97.0	3.6	8.1
52.5°	545.8	549.7	551.9	556.8	534.0	438.3	360.8	276.5	65.5	2.9	7.5
55°	369.6	375.5	382.0	401.5	428.2	390.1	320.4	239.0	34.8	2.9	7.2
57.5°	290.5	288.5	286.6	285.3	306.1	321.7	281.7	191.1	15.0	2.9	6.5
60°	265.7	259.9	255.9	256.9	267.3	261.2	223.1	124.7	5.2	2.9	6.2
62.5°	174.2	178.8	187.6	202.5	195.4	167.7	129.6	49.5	2.6	2.9	5.5
65°	67.7	65.5	67.7	72.0	62.2	46.2	29.0	8.8	2.3	2.6	4.9
67.5°	9.1	8.1	6.2	3.9	3.6	3.3	2.6	2.3	2.3	2.6	4.6
70°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.0	2.0	2.3	3.9
72.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.3	3.3
75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.0	2.9
77.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.6	2.3
80°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.3	2.0
82.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.0	1.0	1.3	1.6
85°	0.3	0.7	0.3	0.7	0.7	0.7	0.7	0.7	0.7	1.0	1.3
87.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7	1.0	1.0
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):

	112.5°	135°	157.5°	180°
0°	30.0	30.0	30.0	30.0
2.5°	29.6	29.0	29.0	29.0
5°	29.0	28.3	28.3	28.0
7.5°	28.0	27.7	27.7	27.7
10°	27.4	27.0	27.4	27.4
12.5°	26.1	26.4	26.7	26.7
15°	24.7	25.4	26.1	26.4
17.5°	23.4	24.7	25.4	25.7
20°	22.1	23.8	24.7	25.1
22.5°	21.2	22.8	24.1	24.7
25°	19.9	22.1	23.8	24.4
27.5°	18.6	21.2	23.1	24.1
30°	17.6	20.8	23.1	24.1
32.5°	16.6	20.2	22.8	23.8
35°	16.0	19.9	22.8	24.1
37.5°	15.3	19.5	22.8	23.8
40°	15.0	19.2	22.8	23.8
42.5°	14.7	19.2	22.8	24.1
45°	14.0	18.9	22.8	24.1
47.5°	13.7	18.9	22.8	24.1
50°	13.4	18.6	22.8	24.4
52.5°	13.0	18.2	22.8	24.4
55°	12.4	17.9	22.5	24.1
57.5°	12.0	17.6	22.1	23.4
60°	11.4	16.9	21.5	23.1
62.5°	10.7	16.3	20.8	22.1
65°	9.8	15.3	19.9	21.5
67.5°	8.8	14.0	18.9	20.5
70°	7.8	12.7	17.6	18.9
72.5°	6.8	11.4	16.3	17.3
75°	5.9	9.8	14.3	15.6
77.5°	4.9	8.5	12.0	13.0
80°	3.6	6.5	9.8	10.7
82.5°	2.9	4.9	7.2	7.8
85°	2.0	3.3	4.6	5.2
87.5°	1.0	1.6	2.3	2.6
90°	0.0	0.0	0.0	0.0

(END OF REPORT)