

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: P1318820

Luminaire Tested: LDSQA3D02R409835DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318820
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-52)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R409835DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 98CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

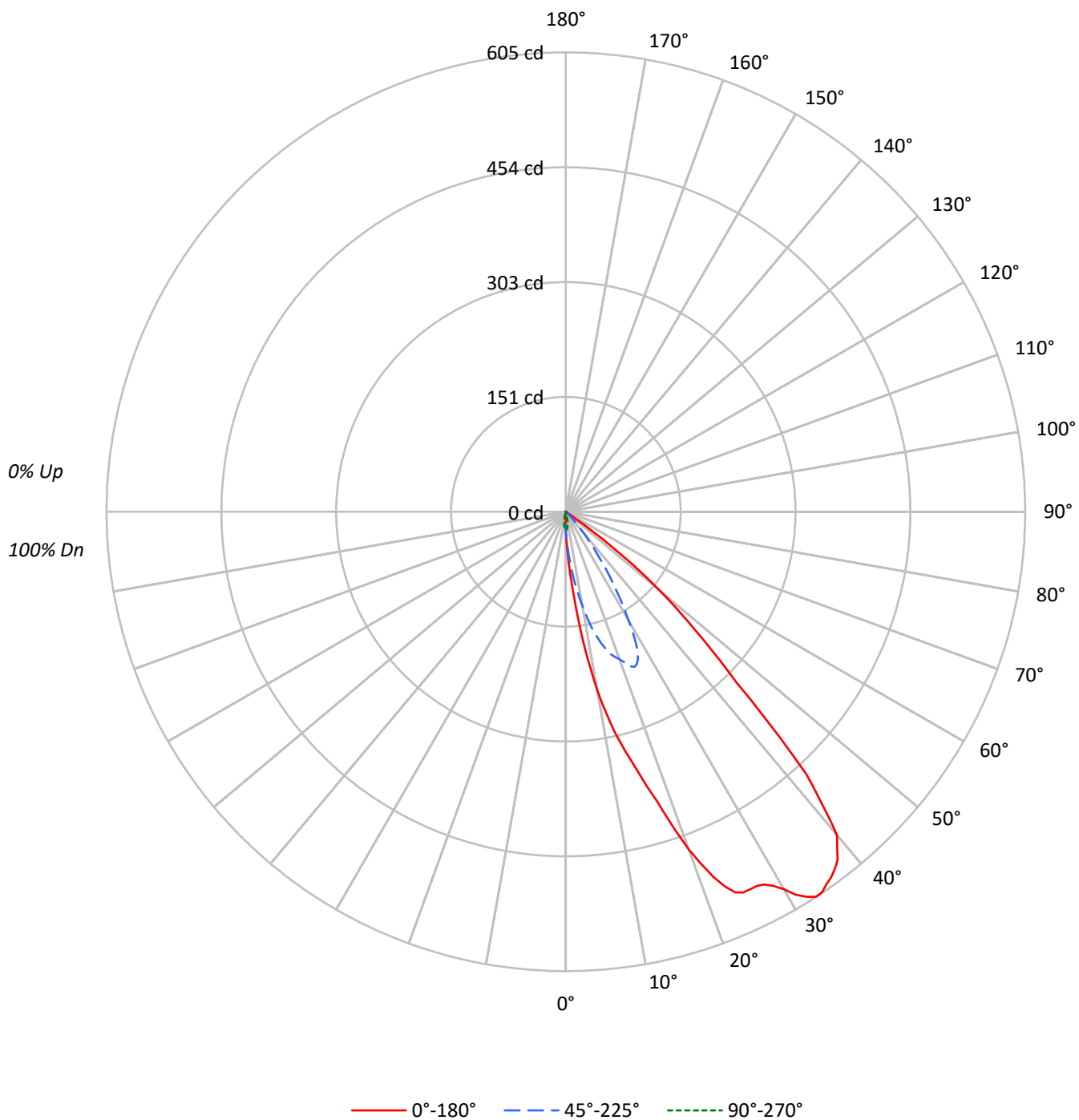
Lumens per Lamp: N/A
Luminaire Lumens: 203.0 lumens
Efficiency: N/A
Efficacy: 56.4 lumens/watt
Spacing Criteria (0/90/45): 2.56 / 0.36 / 1.23
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82		
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74		
4	92	83	77	72	90	82	76	71	80	74	70	78	73	69	76	72	68	67		
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	60		
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	59	56	54		
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49		
8	70	59	51	47	69	58	51	46	57	51	46	56	50	46	55	50	46	44		
9	66	54	47	42	64	54	47	42	52	46	42	51	46	42	51	45	42	40		
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	4082	4082	4082	4082	4082
5°	17357	11825	3596	640	328
10°	41726	22000	2221	70	0
15°	61406	31969	927	0	0
20°	86781	37901	348	0	0
25°	105123	42072	0	0	0
30°	114129	32912	0	0	0
35°	125853	19258	0	0	0
40°	124910	7824	0	0	0
45°	77355	2265	0	0	0
50°	43083	54	0	0	0
55°	4204	0	0	0	0
60°	0	0	69	0	0
65°	0	0	82	0	0
70°	0	101	201	0	0
75°	0	133	266	0	0
80°	0	198	397	0	0
85°	0	395	790	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 77720 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.4	2.2
10°-20°	26.2	12.9
20°-30°	59.7	29.4
30°-40°	70.5	34.7
40°-50°	37.7	18.6
50°-60°	4.1	2.0
60°-70°	0.1	0.0
70°-80°	0.2	0.1
80°-90°	0.1	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°	90.3	44.5
0°-40°	160.9	79.2
0°-60°	202.6	99.8
0°-90°	203.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	203.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	24	24	24	24	24	
5°	100	68	21	4	2	14
15°	344	179	5	0	0	102
25°	553	221	0	0	0	251
35°	599	92	0	0	0	370
45°	318	9	0	0	0	262
55°	14	0	0	0	0	39
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	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°	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7
2.5°	55.3	54.2	55.0	53.5	53.5	50.1	50.3	47.5	43.4	33.1	23.6
5°	100.4	104.9	101.3	96.7	94.0	90.7	86.2	81.5	68.4	41.3	20.8
7.5°	168.1	167.7	161.7	156.7	150.9	141.9	133.5	122.1	97.4	47.3	17.2
10°	238.6	237.2	230.5	226.2	215.2	202.3	185.1	166.8	125.8	49.4	12.7
12.5°	297.3	295.6	290.0	282.7	270.5	254.3	235.7	211.6	155.7	47.1	8.2
15°	344.4	344.0	338.6	328.7	315.9	300.1	279.1	250.1	179.3	41.3	5.2
17.5°	400.3	402.5	392.8	382.1	363.8	341.6	315.9	282.9	196.7	34.2	3.4
20°	473.5	470.4	461.4	445.9	428.3	401.6	365.3	318.0	206.8	26.5	1.9
21°	496.0	494.7	485.3	470.9	451.5	424.4	387.0	336.0	211.4	23.7	1.5
22°	518.8	516.5	509.3	495.2	476.9	446.3	405.1	354.5	217.4	20.8	0.9
23°	535.8	534.9	529.3	515.4	496.5	466.8	424.8	371.7	221.5	17.9	0.6
24°	548.9	547.8	542.2	531.7	515.4	484.4	444.6	390.2	223.2	15.5	0.2
25°	553.2	553.8	550.4	542.2	528.5	497.5	459.3	404.8	221.4	13.3	0.0
26°	553.4	555.1	552.6	548.0	536.7	507.9	473.2	413.3	216.5	11.2	0.0
27°	553.4	555.1	552.6	549.1	538.0	513.9	480.7	414.3	209.0	9.5	0.0
28°	556.0	556.9	553.8	549.5	537.5	515.8	482.7	408.7	197.0	8.2	0.0
29°	563.3	562.4	557.1	551.3	536.9	515.8	476.5	398.0	182.1	6.9	0.0
30°	573.9	573.9	565.7	556.6	539.5	515.6	466.6	378.8	165.5	5.6	0.0
31°	588.3	587.0	578.8	565.2	545.2	515.6	452.0	357.5	150.1	4.9	0.0
32°	598.1	597.3	589.5	573.4	554.3	515.6	436.3	333.9	133.5	3.9	0.0
33°	604.8	603.3	594.3	577.7	559.9	513.0	418.8	308.7	118.5	3.2	0.0
34°	603.9	603.5	594.1	576.9	558.8	502.2	398.4	280.6	104.7	2.6	0.0
35°	598.6	598.6	587.2	569.5	550.8	486.3	378.2	256.7	91.6	1.9	0.0
36°	594.7	593.2	580.3	560.5	537.3	461.2	348.3	232.6	77.6	1.5	0.0
37°	588.9	586.1	571.7	550.4	518.2	434.1	316.9	211.1	65.6	0.9	0.0
38°	581.4	577.1	559.5	538.6	497.3	402.9	284.9	187.0	54.6	0.6	0.0
39°	567.8	564.2	546.1	523.5	472.2	370.0	253.9	164.3	44.1	0.2	0.0
40°	555.6	549.5	528.9	502.9	442.9	332.8	223.0	142.1	34.8	0.0	0.0
42.5°	468.5	462.0	457.3	431.5	352.8	238.9	155.7	91.0	18.1	0.0	0.0
45°	317.6	319.1	304.5	287.2	232.8	155.7	97.4	50.7	9.3	0.0	0.0
47.5°	231.6	227.7	207.9	175.0	136.5	91.0	50.9	24.5	3.7	0.0	0.0
50°	160.8	153.3	135.4	110.7	74.2	43.4	22.4	11.4	0.2	0.0	0.0
52.5°	87.3	82.1	69.5	50.5	30.8	16.6	9.0	4.7	0.0	0.0	0.0
55°	14.0	9.7	10.1	8.6	6.7	4.9	2.8	0.6	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.2
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4	0.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4	0.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4	0.4
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):

	112.5°	135°	157.5°	180°
0°	23.7	23.7	23.7	23.7
2.5°	15.9	10.8	8.2	7.1
5°	9.2	3.7	2.1	1.9
7.5°	4.5	1.3	0.7	0.7
10°	1.9	0.4	0.0	0.0
12.5°	0.6	0.0	0.0	0.0
15°	0.0	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	0.2	0.0	0.0	0.0
67.5°	0.2	0.0	0.0	0.0
70°	0.2	0.0	0.0	0.0
72.5°	0.2	0.0	0.0	0.0
75°	0.2	0.0	0.0	0.0
77.5°	0.2	0.0	0.0	0.0
80°	0.2	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.2	0.0	0.0	0.0
85°	0.2	0.0	0.0	0.0
87.5°	0.2	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)