

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: P1319698

Luminaire Tested: LDSQA3D02R409840DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319698  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-64)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R409840DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

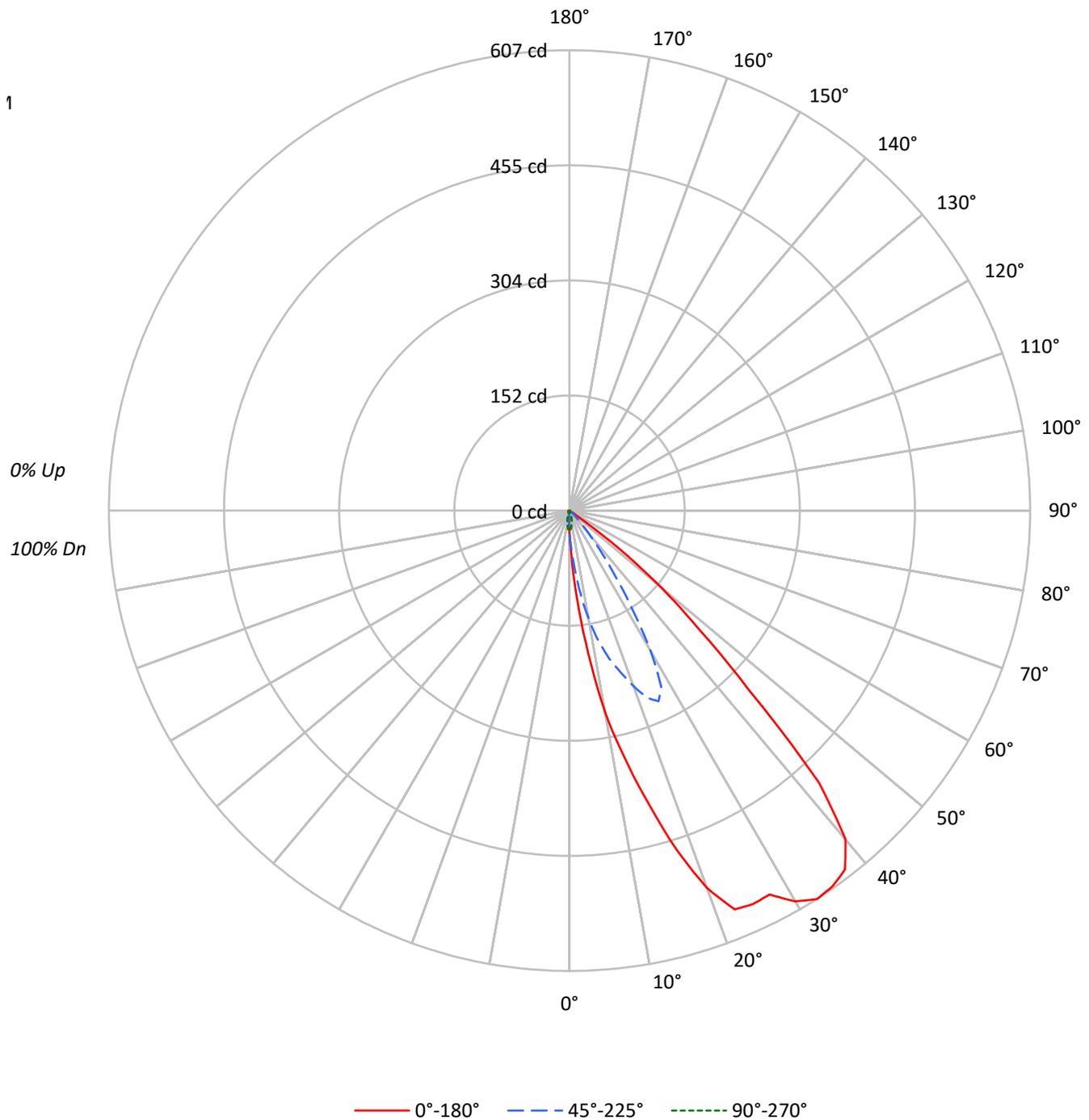
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 224.0 lumens  
Efficiency: N/A  
Efficacy: 62.2 lumens/watt  
Spacing Criteria (0/90/45): 2.53 / 0.42 / 1.24  
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			0	
RW	70	50	30	10	70	50	30	10	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	102	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	96	94	93	91
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	89	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	82	79	76	74
4	92	83	77	71	90	82	76	71	80	74	70	78	73	69	76	72	68	76	72	68	67
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	70	65	62	60
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	60	56	64	60	56	54
7	75	64	57	52	74	63	56	51	62	56	51	61	55	51	59	54	51	59	54	51	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	55	50	46	44
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	51	46	42	40
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	47	42	38	37

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	4564	4564	4564	4564	4564
5°	20590	13122	4097	1573	1141
10°	47217	25358	2886	560	437
15°	70856	35981	1783	303	267
20°	97008	45104	1045	165	202
25°	108752	52713	532	152	171
30°	118285	42537	219	119	179
35°	127135	21781	84	168	231
40°	127181	8678	45	180	292
45°	81203	2898	97	268	414
50°	42146	348	161	348	509
55°	3633	60	180	450	631
60°	138	69	207	517	723
65°	163	82	326	530	774
70°	101	101	403	554	755
75°	133	133	399	599	865
80°	198	198	595	595	793
85°	0	395	1186	790	790

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 81203 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5.2	2.3
10°-20°	30.3	13.5
20°-30°	66.4	29.6
30°-40°	75.6	33.8
40°-50°	39.9	17.8
50°-60°	4.7	2.1
60°-70°	0.9	0.4
70°-80°	0.7	0.3
80°-90°	0.3	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°	101.9	45.5
0°-40°	177.5	79.2
0°-60°	222.1	99.2
0°-90°	224.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	224.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	26	26	26	26	26	
5°	119	76	24	9	7	16
15°	397	202	10	2	2	117
25°	572	277	3	1	1	264
35°	605	104	0	1	1	375
45°	333	12	0	1	2	269
55°	12	0	1	2	2	38
65°	0	0	1	1	2	0
75°	0	0	1	1	1	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5
2.5°	59.1	59.1	58.9	57.2	57.0	56.8	53.8	53.0	49.4	47.0	35.8
5°	119.1	116.4	116.2	113.2	108.1	101.3	96.9	89.9	83.1	75.9	44.1
7.5°	189.7	192.0	185.7	182.5	171.1	163.0	150.5	139.5	124.2	109.8	50.9
10°	270.0	266.0	259.7	253.5	241.2	226.6	208.1	188.6	166.4	145.0	54.7
12.5°	332.6	327.5	323.7	315.2	303.1	284.4	262.2	236.1	206.7	175.9	54.5
15°	397.4	392.3	383.8	376.2	358.2	337.2	313.1	278.7	242.7	201.8	50.5
17.5°	468.6	461.9	452.5	440.9	423.5	400.2	369.7	327.7	276.8	223.0	43.4
20°	529.3	525.4	515.9	502.3	485.2	462.5	427.3	380.7	318.6	246.1	34.5
22.5°	569.1	565.5	559.1	547.1	534.3	510.0	477.8	426.7	353.7	267.1	26.1
25°	572.3	570.8	569.1	565.1	557.4	540.1	508.7	453.6	375.4	277.4	19.3
27.5°	570.6	570.0	569.7	567.6	562.5	545.4	513.2	457.6	372.6	261.5	14.2
30°	594.8	593.1	592.2	585.4	571.9	545.6	503.6	436.2	331.1	213.9	10.2
32.5°	607.2	606.8	605.8	599.2	580.3	546.0	487.3	384.5	262.6	154.5	7.0
35°	604.7	602.8	599.4	587.1	560.8	517.8	434.7	307.1	189.5	103.6	4.5
37.5°	596.4	592.0	585.4	563.2	528.2	469.5	352.5	226.0	128.9	67.0	2.7
40°	565.7	559.8	549.4	522.3	476.3	387.0	260.7	152.8	84.6	38.6	0.8
42.5°	486.4	478.8	471.2	440.9	388.3	288.5	171.5	94.5	48.3	21.2	0.2
45°	333.4	323.9	313.5	291.6	249.3	174.7	102.0	53.2	25.0	11.9	0.2
47.5°	231.5	227.2	209.0	181.0	138.8	92.6	52.8	26.1	13.3	5.5	0.2
50°	157.3	152.4	131.2	104.1	73.8	44.3	24.2	13.1	5.9	1.3	0.2
52.5°	82.5	76.5	63.0	48.1	29.9	18.6	10.6	5.7	1.7	0.2	0.2
55°	12.1	11.2	9.1	7.4	6.6	5.1	3.0	1.3	0.2	0.2	0.4
57.5°	0.4	0.4	0.4	0.4	0.6	0.6	0.4	0.2	0.2	0.2	0.4
60°	0.4	0.4	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.4
62.5°	0.4	0.4	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.4
65°	0.4	0.4	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.4
67.5°	0.4	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.4	0.6
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.6
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6
77.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.6
80°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	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):**

	90°	112.5°	135°	157.5°	180°
0°	26.5	26.5	26.5	26.5	26.5
2.5°	26.1	19.3	15.0	12.9	12.7
5°	23.7	13.8	9.1	7.0	6.6
7.5°	20.1	9.7	5.3	3.8	3.6
10°	16.5	6.6	3.2	2.7	2.5
12.5°	13.1	4.4	2.3	2.1	1.9
15°	10.0	2.8	1.7	1.5	1.5
17.5°	7.6	1.9	1.3	1.3	1.3
20°	5.7	1.3	0.9	1.1	1.1
22.5°	4.0	0.9	0.8	0.9	0.9
25°	2.8	0.8	0.8	0.9	0.9
27.5°	1.9	0.6	0.6	0.8	0.9
30°	1.1	0.4	0.6	0.8	0.9
32.5°	0.6	0.4	0.6	0.9	0.9
35°	0.4	0.6	0.8	0.9	1.1
37.5°	0.2	0.6	0.8	1.1	1.1
40°	0.2	0.6	0.8	1.1	1.3
42.5°	0.4	0.8	0.9	1.3	1.5
45°	0.4	0.8	1.1	1.5	1.7
47.5°	0.4	0.8	1.3	1.7	1.7
50°	0.6	0.9	1.3	1.7	1.9
52.5°	0.6	0.9	1.3	1.9	2.1
55°	0.6	0.9	1.5	1.9	2.1
57.5°	0.6	1.1	1.5	1.9	2.1
60°	0.6	0.9	1.5	1.9	2.1
62.5°	0.8	0.9	1.3	1.9	1.9
65°	0.8	0.9	1.3	1.9	1.9
67.5°	0.8	0.9	1.3	1.7	1.7
70°	0.8	0.9	1.1	1.5	1.5
72.5°	0.8	0.9	1.1	1.3	1.5
75°	0.6	0.8	0.9	1.1	1.3
77.5°	0.6	0.8	0.8	1.1	1.1
80°	0.6	0.6	0.6	0.8	0.8
82.5°	0.6	0.6	0.4	0.6	0.6
85°	0.6	0.4	0.4	0.4	0.4
87.5°	0.4	0.4	0.2	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)