

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: P1320024

Luminaire Tested: LDSQA3D09R609840DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1320024  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-55)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R609840DE010 3LSQCA30R 1MB  
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

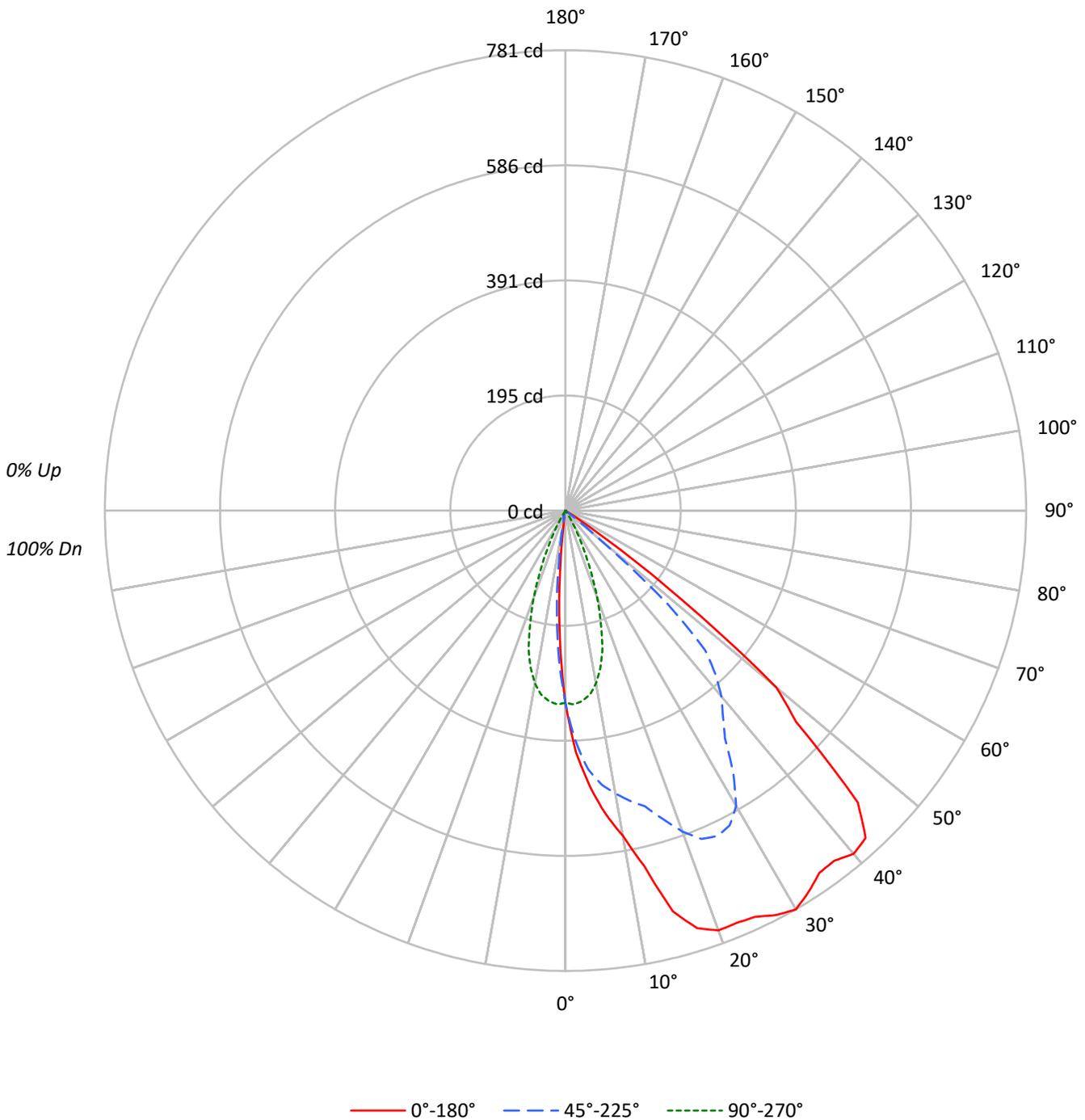
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 530.0 lumens  
Efficiency: N/A  
Efficacy: 48.2 lumens/watt  
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	93	90	94	91	88	91	88	86	89	86	84	89	86	84	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	82	78	76	74
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	75	71	68	66
5	86	76	69	63	84	75	68	63	73	67	63	71	66	62	69	65	61	69	65	61	60
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	64	59	56	54
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	59	54	50	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	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	51	46	42	40
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39	48	42	39	37

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

	0°	45°	90°	135°	180°
0°	56162	56162	56162	56162	56162
5°	80943	76240	56065	28888	18550
10°	97915	85236	52062	3445	2029
15°	125486	92590	43148	2282	1854
20°	138886	106135	28921	1283	220
25°	144439	115764	14214	114	0
30°	155314	115044	3918	0	0
35°	157726	99046	0	0	0
40°	170886	92356	0	0	0
45°	170711	81544	0	0	0
50°	124990	19747	0	0	0
55°	24381	0	0	0	0
60°	0	0	0	0	0
65°	0	245	245	0	0
70°	0	302	302	0	0
75°	0	399	399	0	0
80°	0	595	595	595	0
85°	0	1186	1186	1186	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 5°  
 Vertical Angle: 45°  
 Luminance: 171003 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	28.0	5.3
10°-20°	79.8	15.0
20°-30°	127.1	24.0
30°-40°	146.9	27.7
40°-50°	116.7	22.0
50°-60°	30.7	5.8
60°-70°	0.2	0.0
70°-80°	0.3	0.1
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°	234.8	44.3
0°-40°	381.7	72.0
0°-60°	529.1	99.8
0°-90°	530.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	530.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	326	326	326	326	326	
5°	468	441	324	167	107	47
15°	704	519	242	13	10	196
25°	760	609	75	1	0	354
35°	750	471	0	0	0	477
45°	701	335	0	0	0	499
55°	81	0	0	0	0	122
65°	0	1	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	1	1	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°	50°
0°	326.1	326.1	326.1	326.1	326.1	326.1	326.1	326.1	326.1	326.1	326.1
2.5°	410.2	414.3	412.5	410.8	406.7	405.0	405.0	400.4	392.8	391.7	386.4
5°	468.2	469.4	469.4	468.2	465.3	460.7	459.5	454.9	447.9	441.0	434.0
7.5°	518.7	518.1	514.7	512.3	507.1	500.7	494.9	488.6	478.1	468.8	459.0
10°	559.9	561.7	558.8	553.0	546.0	537.3	528.0	517.0	501.3	487.4	474.6
12.5°	617.9	617.4	609.8	600.0	583.1	566.9	552.4	540.2	521.0	504.2	488.6
15°	703.8	702.7	695.7	687.0	662.6	638.3	613.3	579.1	547.2	519.3	497.3
17.5°	742.7	745.0	739.2	734.6	720.6	704.4	682.4	648.1	598.8	548.3	501.9
20°	757.8	760.7	756.6	756.0	749.7	742.1	724.1	687.0	638.8	579.1	521.6
22.5°	757.2	759.5	757.8	765.3	772.9	768.8	746.8	709.6	660.3	602.9	537.9
25°	760.1	758.4	752.0	763.0	774.0	770.5	759.5	727.6	673.6	609.2	543.7
27.5°	773.4	760.7	747.9	761.8	767.1	768.2	761.8	724.1	671.3	602.3	532.1
30°	781.0	767.1	756.6	768.2	768.2	774.6	761.3	718.3	651.6	578.5	501.3
32.5°	767.1	764.2	773.4	785.1	788.0	788.0	758.4	699.2	618.5	529.8	452.0
35°	750.2	757.2	783.9	789.1	789.1	776.3	740.4	665.5	569.2	471.1	415.4
37.5°	748.5	759.5	789.1	782.7	772.3	748.5	696.3	606.9	499.0	438.1	388.2
40°	760.1	770.5	788.0	764.7	739.8	702.7	640.0	530.3	456.6	410.8	355.1
42.5°	753.1	763.0	763.6	729.4	694.0	643.5	560.5	468.2	425.9	376.0	317.4
45°	700.9	702.1	699.8	663.2	626.6	574.4	486.2	437.5	392.2	334.8	233.3
47.5°	529.8	527.4	536.1	525.7	527.4	496.1	441.6	401.5	347.6	235.0	70.8
50°	466.5	463.6	454.9	445.6	436.3	421.2	395.7	352.8	250.7	73.7	2.3
52.5°	250.1	264.0	291.3	333.1	348.7	347.6	328.4	261.1	78.9	0.6	0.0
55°	81.2	80.1	89.4	105.6	145.1	167.1	174.1	88.8	1.7	0.0	0.0
57.5°	0.0	0.0	0.0	1.7	5.8	15.1	19.7	1.2	0.0	0.6	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6
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):**

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	326.1	326.1	326.1	326.1	326.1	326.1	326.1	326.1
2.5°	379.5	371.3	362.1	329.0	290.1	252.4	225.1	218.2
5°	423.0	409.1	389.3	324.3	239.6	167.1	119.5	107.3
7.5°	445.6	433.4	412.5	315.1	185.7	82.4	30.8	20.9
10°	459.5	445.0	421.8	297.7	121.3	19.7	11.0	11.6
12.5°	469.4	452.6	426.5	272.7	61.5	9.9	13.9	14.5
15°	473.5	455.5	425.9	242.0	22.0	12.8	12.2	10.4
17.5°	471.1	448.5	418.3	197.9	7.5	12.2	6.4	5.2
20°	468.2	442.7	406.2	157.8	6.4	7.0	2.3	1.2
22.5°	477.5	432.9	389.3	113.1	6.4	2.3	0.0	0.0
25°	478.7	428.8	367.9	74.8	2.9	0.6	0.0	0.0
27.5°	467.1	405.0	334.8	44.1	0.0	0.0	0.0	0.0
30°	430.0	375.4	299.4	19.7	0.0	0.0	0.0	0.0
32.5°	393.4	342.3	259.9	4.6	0.0	0.0	0.0	0.0
35°	364.4	308.1	216.4	0.0	0.0	0.0	0.0	0.0
37.5°	328.4	267.5	161.3	0.0	0.0	0.0	0.0	0.0
40°	290.7	215.8	80.7	0.0	0.0	0.0	0.0	0.0
42.5°	226.9	102.7	8.1	0.0	0.0	0.0	0.0	0.0
45°	87.0	9.3	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0
65°	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0
67.5°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
70°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
72.5°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
75°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
77.5°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
80°	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.0
82.5°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
85°	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.0
87.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)