

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: P1318272

Luminaire Tested: LDSQA3D09R609830DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1318272  
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: LDSQA3D09R609830DE010 3LSQCA30R 1MB  
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 98CRI , 3LSQCA30R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

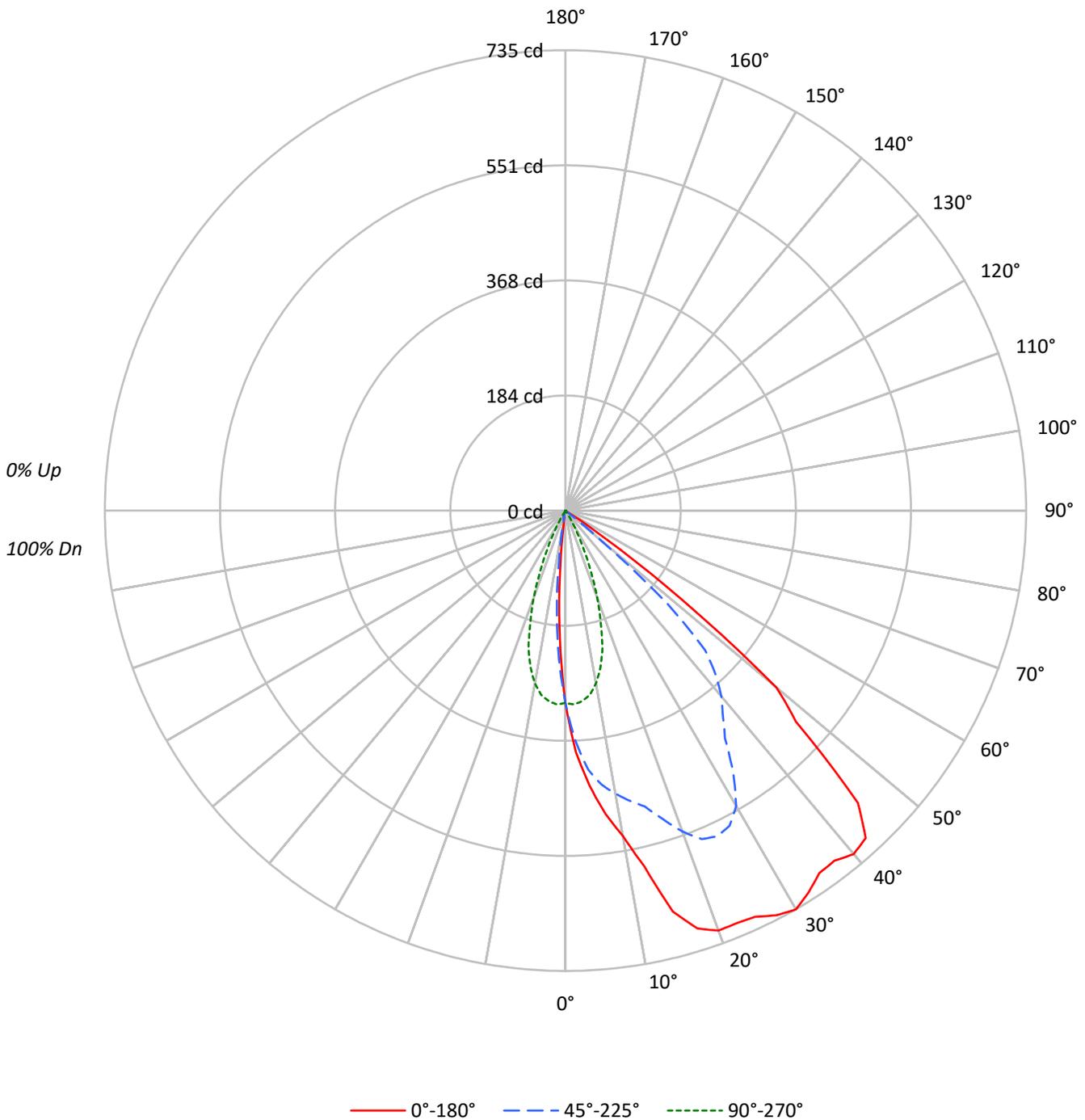
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 498.9 lumens  
Efficiency: N/A  
Efficacy: 45.4 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	82	86	84	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74	78	76	74
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66	71	68	66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	69	65	61	60	65	61	60
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54	59	56	54
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49	54	50	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44	50	46	44
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40	46	42	40
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39	37	42	39	37

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

	0°	45°	90°	135°	180°
0°	52872	52872	52872	52872	52872
5°	76223	71780	52798	27194	17478
10°	92196	80252	49001	3253	1906
15°	118158	87170	40616	2140	1747
20°	130767	99922	27235	1210	202
25°	135983	108999	13397	95	0
30°	146226	108322	3699	0	0
35°	148517	93265	0	0	0
40°	160882	86961	0	0	0
45°	160725	76770	0	0	0
50°	117675	18594	0	0	0
55°	22970	0	0	0	0
60°	0	0	0	0	0
65°	0	204	204	0	0
70°	0	252	252	0	0
75°	0	333	333	0	0
80°	0	496	496	496	0
85°	0	988	988	988	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 5°  
 Vertical Angle: 45°  
 Luminance: 160993 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	26.4	5.3
10°-20°	75.1	15.1
20°-30°	119.7	24.0
30°-40°	138.3	27.7
40°-50°	109.8	22.0
50°-60°	28.9	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°	221.1	44.3
0°-40°	359.4	72.0
0°-60°	498.2	99.8
0°-90°	498.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	498.9	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	307	307	307	307	307	
5°	441	415	305	157	101	45
15°	663	489	228	12	10	185
25°	716	574	70	0	0	334
35°	706	444	0	0	0	449
45°	660	315	0	0	0	470
55°	76	0	0	0	0	115
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	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	307.0	307.0	307.0	307.0	307.0	307.0	307.0	307.0	307.0	307.0	307.0
2.5°	386.2	390.1	388.4	386.8	383.0	381.3	381.3	376.9	369.8	368.7	363.8
5°	440.9	442.0	442.0	440.9	438.1	433.8	432.7	428.3	421.7	415.2	408.6
7.5°	488.4	487.8	484.6	482.4	477.5	471.5	466.0	460.0	450.1	441.4	432.1
10°	527.2	528.8	526.1	520.6	514.1	505.9	497.1	486.7	472.0	458.9	446.9
12.5°	581.8	581.3	574.2	564.9	549.0	533.7	520.1	508.6	490.6	474.7	460.0
15°	662.7	661.6	655.0	646.8	623.9	600.9	577.4	545.2	515.2	488.9	468.2
17.5°	699.3	701.4	696.0	691.6	678.5	663.2	642.4	610.2	563.8	516.2	472.5
20°	713.5	716.2	712.4	711.8	705.8	698.7	681.8	646.8	601.5	545.2	491.1
22.5°	712.9	715.1	713.5	720.6	727.7	723.8	703.1	668.1	621.7	567.6	506.4
25°	715.6	714.0	708.0	718.4	728.8	725.5	715.1	685.1	634.2	573.6	511.9
27.5°	728.2	716.2	704.2	717.3	722.2	723.3	717.3	681.8	632.1	567.1	501.0
30°	735.3	722.2	712.4	723.3	723.3	729.3	716.7	676.3	613.5	544.7	472.0
32.5°	722.2	719.5	728.2	739.1	741.9	741.9	714.0	658.3	582.3	498.8	425.6
35°	706.4	712.9	738.0	743.0	743.0	730.9	697.1	626.6	535.9	443.6	391.1
37.5°	704.7	715.1	743.0	736.9	727.1	704.7	655.6	571.4	469.8	412.5	365.5
40°	715.6	725.5	741.9	720.0	696.5	661.6	602.6	499.3	429.9	386.8	334.3
42.5°	709.1	718.4	718.9	686.7	653.4	605.8	527.7	440.9	401.0	354.0	298.8
45°	659.9	661.0	658.8	624.4	590.0	540.8	457.8	411.9	369.3	315.2	219.6
47.5°	498.8	496.6	504.8	494.9	496.6	467.1	415.7	378.0	327.2	221.2	66.6
50°	439.2	436.5	428.3	419.6	410.8	396.6	372.6	332.1	236.0	69.4	2.2
52.5°	235.5	248.6	274.2	313.6	328.3	327.2	309.2	245.8	74.3	0.5	0.0
55°	76.5	75.4	84.1	99.4	136.6	157.3	163.9	83.6	1.6	0.0	0.0
57.5°	0.0	0.0	0.0	1.6	5.5	14.2	18.6	1.1	0.0	0.5	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5
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°	307.0	307.0	307.0	307.0	307.0	307.0	307.0	307.0
2.5°	357.3	349.6	340.9	309.7	273.1	237.6	212.0	205.4
5°	398.2	385.1	366.6	305.4	225.6	157.3	112.5	101.1
7.5°	419.6	408.1	388.4	296.6	174.8	77.6	29.0	19.7
10°	432.7	419.0	397.2	280.2	114.2	18.6	10.4	10.9
12.5°	442.0	426.1	401.5	256.8	57.9	9.3	13.1	13.7
15°	445.8	428.8	401.0	227.8	20.8	12.0	11.5	9.8
17.5°	443.6	422.3	393.9	186.3	7.1	11.5	6.0	4.9
20°	440.9	416.8	382.4	148.6	6.0	6.6	2.2	1.1
22.5°	449.6	407.5	366.6	106.5	6.0	2.2	0.0	0.0
25°	450.7	403.7	346.3	70.5	2.7	0.5	0.0	0.0
27.5°	439.8	381.3	315.2	41.5	0.0	0.0	0.0	0.0
30°	404.8	353.5	281.9	18.6	0.0	0.0	0.0	0.0
32.5°	370.4	322.3	244.7	4.4	0.0	0.0	0.0	0.0
35°	343.1	290.1	203.8	0.0	0.0	0.0	0.0	0.0
37.5°	309.2	251.8	151.9	0.0	0.0	0.0	0.0	0.0
40°	273.7	203.2	75.9	0.0	0.0	0.0	0.0	0.0
42.5°	213.6	96.7	7.6	0.0	0.0	0.0	0.0	0.0
45°	81.9	8.7	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	4.4	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°	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0
65°	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0
67.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
70°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
72.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
75°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
77.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.0
82.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
85°	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.0
87.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)