

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: P1307052

Luminaire Tested: LDSQA3D09R609024DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307052  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-67)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R609024DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R60 optic, 2400K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

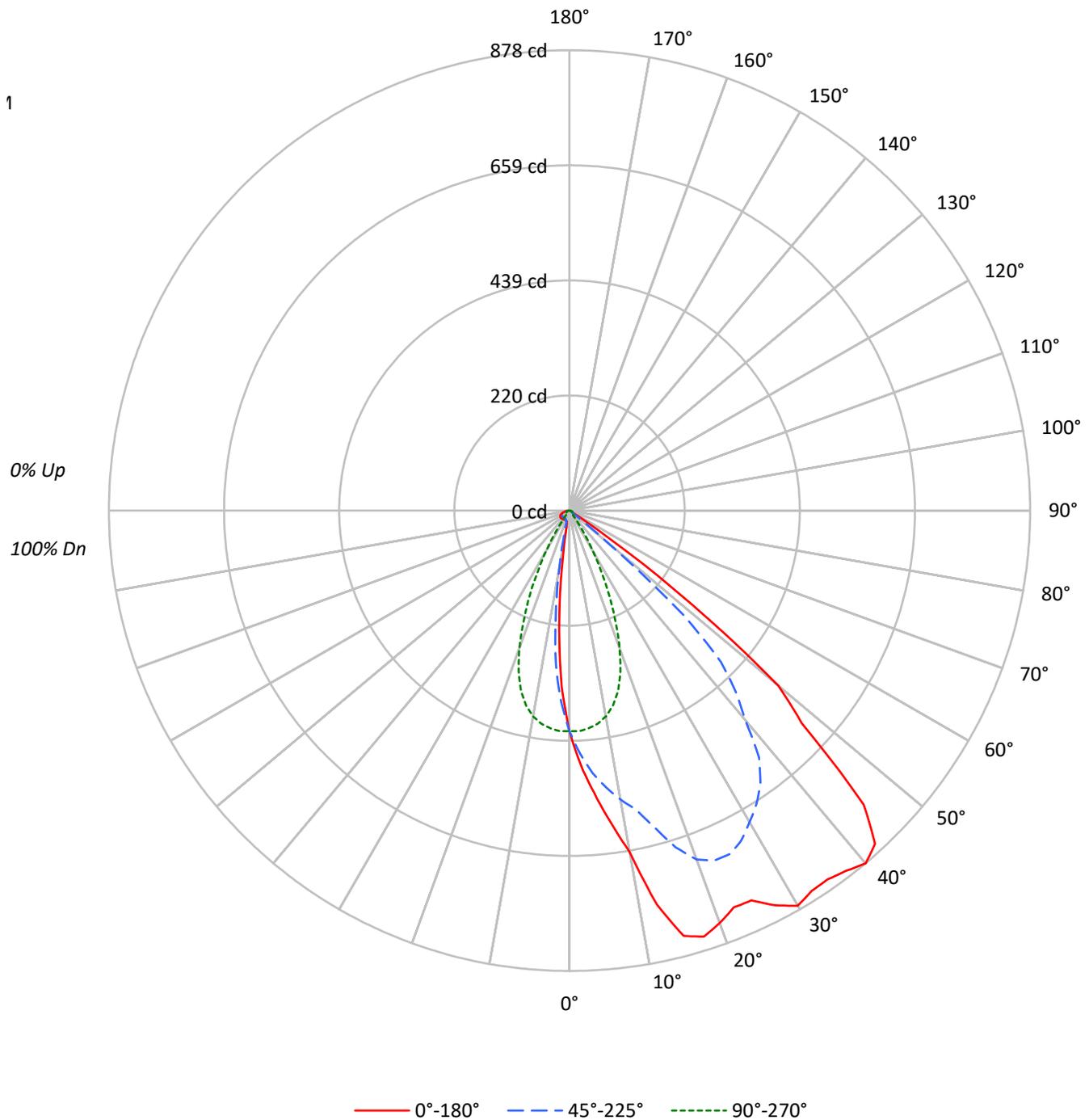
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 683.0 lumens  
Efficiency: N/A  
Efficacy: 61.5 lumens/watt  
Spacing Criteria (0/90/45): 1.62 / 0.77 / 1.26  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
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	103	109	106	104	101	102	100	98	99	97	95	95	94	92	95	94	92	90
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	88	85	83	81
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	81	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	74	70	67	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	68	64	60	58
6	79	68	61	56	78	67	61	55	66	60	55	64	59	55	63	58	54	63	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	58	53	49	47
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	54	49	45	43
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	50	45	41	39
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	47	41	38	36

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

	0°	45°	90°	135°	180°
0°	72402	72402	72402	72402	72402
5°	93528	86838	72022	51276	39123
10°	115595	97880	69689	19394	5754
15°	149699	111401	63581	4261	3798
20°	153402	129759	51171	3537	3666
25°	155860	137370	34319	3439	3668
30°	172993	136442	17699	3460	3838
35°	180453	133400	4878	3658	4205
40°	197460	116997	2316	3912	4631
45°	193167	99421	2363	4238	5188
50°	139244	24542	2599	4662	5707
55°	26723	1561	2702	5044	6396
60°	1343	1550	2652	5339	6889
65°	1304	1589	2608	5501	7376
70°	1309	1611	2618	5539	7452
75°	1264	1730	2595	5590	7719
80°	595	1884	2579	5752	7637
85°	1186	1186	2569	5138	7707

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 193167 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	36.6	5.4
10°-20°	100.9	14.8
20°-30°	155.4	22.7
30°-40°	182.3	26.7
40°-50°	146.2	21.4
50°-60°	45.4	6.6
60°-70°	8.6	1.3
70°-80°	5.7	0.8
80°-90°	2.0	0.3
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°	292.9	42.9
0°-40°	475.2	69.6
0°-60°	666.7	97.6
0°-90°	683.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	683.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	420	420	420	420	420	
5°	541	502	417	297	226	55
15°	840	625	357	24	21	230
25°	820	723	181	18	19	387
35°	858	634	23	17	20	543
45°	793	408	10	17	21	568
55°	89	5	9	17	21	141
65°	3	4	6	14	18	3
75°	2	3	4	8	12	2
85°	1	1	1	3	4	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°	420.4	420.4	420.4	420.4	420.4	420.4	420.4	420.4	420.4	420.4	420.4
2.5°	484.9	479.8	479.8	477.8	475.9	476.5	471.4	473.3	468.2	464.3	461.1
5°	541.0	534.6	533.9	530.7	527.5	524.9	518.4	514.6	506.8	502.3	492.7
7.5°	599.1	593.9	590.7	586.8	581.0	574.5	563.6	556.5	544.2	532.0	519.7
10°	661.0	656.4	649.4	644.8	628.7	618.4	603.6	593.9	575.8	559.7	541.0
12.5°	769.3	766.7	753.2	744.1	720.9	700.3	668.1	642.3	610.0	583.6	558.4
15°	839.6	836.4	829.3	820.9	806.0	782.8	753.8	717.7	672.6	624.8	582.3
17.5°	851.8	852.5	848.0	846.0	836.4	821.5	798.3	771.2	726.1	673.2	615.2
20°	837.0	842.2	840.9	844.7	846.7	840.9	825.4	799.0	759.6	708.0	642.9
22.5°	818.9	823.5	822.2	829.3	840.2	846.0	840.9	819.6	779.6	722.2	658.4
25°	820.2	823.5	813.8	818.3	832.5	846.7	847.3	828.6	785.4	722.9	657.1
27.5°	848.6	838.9	817.0	815.1	832.5	850.5	851.8	828.6	777.0	709.3	644.2
30°	869.9	862.8	838.3	835.1	851.8	864.1	857.6	821.5	757.0	686.1	625.5
32.5°	859.6	860.9	850.5	860.9	882.8	887.9	860.9	804.8	729.3	663.5	603.6
35°	858.3	863.4	869.2	885.4	900.2	887.9	844.7	773.2	699.6	634.5	569.4
37.5°	866.0	874.4	882.8	897.0	897.0	865.4	802.2	733.2	664.2	593.3	498.5
40°	878.3	883.4	886.0	884.7	867.3	820.9	753.8	684.8	619.0	520.4	451.4
42.5°	862.1	861.5	858.9	848.0	815.7	755.1	692.6	636.5	532.6	469.4	390.8
45°	793.1	793.1	786.1	768.6	739.0	688.7	633.2	551.3	485.6	408.2	290.2
47.5°	600.3	595.8	603.6	613.9	613.9	609.4	559.1	488.1	421.1	294.7	92.9
50°	519.7	512.6	503.0	504.9	503.6	508.8	476.5	423.0	311.5	91.6	6.4
52.5°	294.0	306.9	338.5	383.0	403.0	410.1	390.1	321.8	105.1	5.8	5.2
55°	89.0	91.6	103.8	127.7	173.5	221.8	225.0	104.5	7.1	5.2	5.2
57.5°	3.9	3.9	5.2	7.7	18.1	27.1	29.0	6.4	4.5	5.2	5.2
60°	3.9	3.9	3.9	3.9	3.9	3.9	4.5	4.5	4.5	4.5	5.2
62.5°	3.2	3.2	3.9	3.9	3.9	3.9	3.9	3.9	4.5	4.5	4.5
65°	3.2	3.2	3.2	3.2	3.2	3.2	3.9	3.9	3.9	3.9	4.5
67.5°	2.6	2.6	2.6	3.2	3.2	3.2	3.2	3.2	3.9	3.9	3.9
70°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.2	3.2	3.2	3.2
72.5°	1.9	1.9	1.9	1.9	1.9	2.6	2.6	2.6	2.6	2.6	3.2
75°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.6	2.6	2.6	2.6
77.5°	1.3	1.3	1.3	1.3	1.3	1.9	1.9	1.9	1.9	1.9	1.9
80°	0.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.9	1.9
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	1.3	1.3	1.3	1.3	1.3
85°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.3
87.5°	0.0	0.0	0.0	0.0	0.6	0.6	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°	420.4	420.4	420.4	420.4	420.4	420.4	420.4	420.4
2.5°	456.5	451.4	445.6	421.1	397.2	365.0	343.1	336.6
5°	484.3	475.9	463.0	416.6	360.5	296.6	245.0	226.3
7.5°	507.5	494.6	476.5	410.1	316.6	201.2	129.6	109.6
10°	524.3	508.1	484.9	398.5	258.6	110.9	43.8	32.9
12.5°	538.4	517.2	489.4	381.1	188.3	45.1	22.6	22.6
15°	548.1	522.3	491.4	356.6	121.9	23.9	21.3	21.3
17.5°	561.7	528.1	491.4	322.4	66.4	20.6	20.6	20.6
20°	583.6	533.9	484.3	279.2	36.8	19.3	20.0	20.0
22.5°	595.2	542.3	475.2	228.9	23.2	18.7	19.3	19.3
25°	597.8	541.0	455.9	180.6	18.7	18.1	18.7	19.3
27.5°	588.7	532.0	430.1	131.5	16.8	17.4	18.7	19.3
30°	572.6	510.1	388.8	89.0	15.5	17.4	18.7	19.3
32.5°	542.3	457.2	340.5	53.5	14.8	17.4	18.7	20.0
35°	474.6	401.7	285.0	23.2	14.2	17.4	19.3	20.0
37.5°	425.6	346.3	220.5	11.6	14.2	17.4	19.3	20.6
40°	371.4	278.6	101.9	10.3	14.2	17.4	19.3	20.6
42.5°	283.1	129.0	12.3	10.3	13.5	17.4	20.0	20.6
45°	103.2	13.5	6.4	9.7	13.5	17.4	20.0	21.3
47.5°	7.7	5.2	5.8	9.7	13.5	17.4	20.0	21.3
50°	5.2	5.2	5.8	9.7	13.5	17.4	20.0	21.3
52.5°	5.2	5.8	5.8	9.0	12.9	17.4	20.0	21.3
55°	5.2	5.8	5.8	9.0	12.9	16.8	20.0	21.3
57.5°	5.2	5.2	5.8	8.4	12.3	16.1	20.0	20.6
60°	5.2	5.2	5.8	7.7	11.6	15.5	18.7	20.0
62.5°	5.2	5.2	5.2	7.1	11.0	14.8	18.1	19.3
65°	4.5	4.5	5.2	6.4	9.7	13.5	16.8	18.1
67.5°	3.9	4.5	4.5	5.8	9.0	12.3	15.5	16.8
70°	3.9	3.9	3.9	5.2	7.7	11.0	14.2	14.8
72.5°	3.2	3.2	3.9	4.5	7.1	9.7	12.9	13.5
75°	2.6	3.2	3.2	3.9	5.8	8.4	11.0	11.6
77.5°	2.6	2.6	2.6	3.2	5.2	7.1	9.0	9.7
80°	1.9	1.9	1.9	2.6	3.9	5.8	7.1	7.7
82.5°	1.3	1.9	1.9	1.9	3.2	3.9	5.2	5.8
85°	1.3	1.3	1.3	1.3	1.9	2.6	3.2	3.9
87.5°	0.6	0.6	1.3	1.3	1.3	1.3	1.3	1.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)