

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: P1319011

Luminaire Tested: LDSQA3D05R659835DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319011  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-68)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R659835DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R65 optic, 3500K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

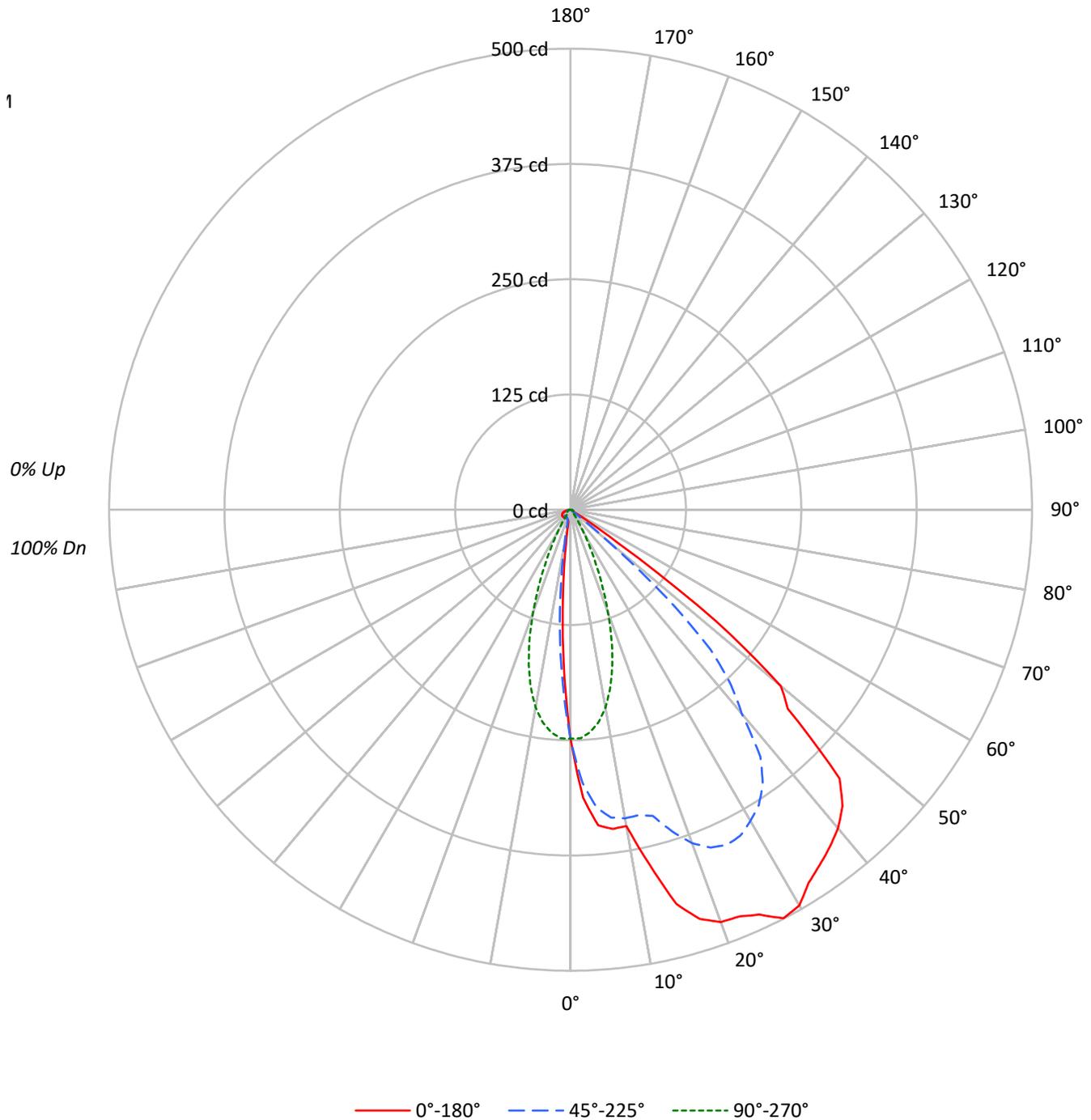
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 372.0 lumens  
Efficiency: N/A  
Efficacy: 51.7 lumens/watt  
Spacing Criteria (0/90/45): 1.47 / 0.64 / 1.22  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.2  
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				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	90	102	97	92	88	94	90	87	91	87	85	88	85	83	88	85	83	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	75	81	77	74	81	77	74	72
4	91	82	75	70	89	81	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	68	61	56	66	60	55	64	59	55	63	58	54	63	58	54	53
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	58	53	49	48
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	50	45	41	40
10	62	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	47	42	38	36

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

	0°	45°	90°	135°	180°
0°	42746	42746	42746	42746	42746
5°	59419	56065	41837	22993	16182
10°	60911	59424	38054	6418	2361
15°	78915	61281	31149	2068	1997
20°	87221	70506	21681	1851	1906
25°	92049	76182	12276	1767	1919
30°	98558	77498	5528	1770	2009
35°	98920	76319	1787	1871	2187
40°	101349	64838	1214	2001	2428
45°	100371	52268	1218	2168	2630
50°	79656	12325	1232	2385	3001
55°	18916	691	1291	2672	3363
60°	654	792	1481	2790	3582
65°	774	774	1426	2975	3953
70°	604	755	1360	2921	4079
75°	532	799	1264	3061	4126
80°	397	793	1488	3075	4265
85°	790	1581	1581	2964	3754

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 10°  
 Vertical Angle: 45°  
 Luminance: 100566 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	20.7	5.6
10°-20°	54.5	14.7
20°-30°	85.7	23.0
30°-40°	98.0	26.3
40°-50°	78.8	21.2
50°-60°	25.6	6.9
60°-70°	4.5	1.2
70°-80°	3.0	0.8
80°-90°	1.1	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°	160.9	43.3
0°-40°	259.0	69.6
0°-60°	363.4	97.7
0°-90°	372.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	372.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	248	248	248	248	248	
5°	344	324	242	133	94	32
15°	443	344	175	12	11	123
25°	484	401	65	9	10	226
35°	470	363	8	9	10	295
45°	412	215	5	9	11	297
55°	63	2	4	9	11	90
65°	2	2	4	7	10	2
75°	1	1	2	5	6	1
85°	0	1	1	2	2	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°	248.2	248.2	248.2	248.2	248.2	248.2	248.2	248.2	248.2	248.2	248.2
2.5°	312.4	311.2	312.7	310.0	309.7	306.9	305.4	304.6	301.1	296.5	292.3
5°	343.7	339.0	340.2	339.8	337.9	336.7	335.2	333.2	328.6	324.3	318.9
7.5°	349.1	345.2	346.0	346.4	345.2	344.8	344.4	343.7	340.6	336.7	332.1
10°	348.3	344.4	344.1	342.9	341.7	342.1	342.1	342.1	341.4	339.8	338.3
12.5°	393.2	387.7	386.6	378.5	371.1	358.4	350.2	342.5	339.0	339.4	338.3
15°	442.6	442.3	438.4	430.7	418.3	406.7	388.1	374.2	356.4	343.7	338.3
17.5°	465.1	464.7	461.2	454.6	445.7	434.9	421.4	405.1	385.4	365.7	349.5
20°	475.9	478.6	474.7	469.3	460.8	450.8	438.0	423.3	404.8	384.7	365.3
22.5°	477.4	480.9	477.4	473.6	467.4	460.8	450.0	434.9	416.0	396.6	377.7
25°	484.4	485.5	478.2	473.2	467.4	462.7	454.2	441.1	421.8	400.9	382.3
27.5°	499.5	494.4	479.0	472.0	466.6	462.4	454.2	440.7	419.8	398.6	379.2
30°	495.6	493.7	480.1	473.6	468.9	464.7	454.6	437.2	412.1	389.7	369.6
32.5°	479.8	483.6	479.0	476.7	474.3	468.9	454.2	430.7	402.4	379.6	352.6
35°	470.5	475.1	475.5	475.5	472.8	464.7	447.3	421.0	392.8	363.0	326.7
37.5°	461.2	465.1	467.4	468.9	465.1	453.5	431.4	407.8	376.9	337.9	274.1
40°	450.8	453.5	455.4	456.2	450.4	435.3	415.2	388.5	353.7	288.4	244.7
42.5°	436.1	437.6	437.2	436.8	430.7	414.0	395.1	367.3	298.4	257.1	204.1
45°	412.1	410.6	412.9	412.9	404.8	392.4	367.3	313.1	267.1	214.6	131.4
47.5°	319.3	320.5	331.7	349.9	361.1	357.6	323.6	274.1	224.6	140.7	43.7
50°	297.3	296.1	296.5	298.4	299.6	289.9	265.6	231.6	148.4	46.0	3.1
52.5°	199.5	200.6	209.5	230.0	236.6	229.6	206.4	154.6	54.1	3.1	2.7
55°	63.0	67.3	72.3	83.1	102.1	114.0	111.7	54.9	3.5	2.3	2.7
57.5°	2.3	2.3	3.1	5.4	10.4	17.0	17.8	3.5	2.7	2.7	2.7
60°	1.9	1.9	1.9	1.9	1.9	1.9	2.3	2.3	2.3	2.3	2.3
62.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.3	2.3	2.3	2.3
65°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.3
67.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.9	1.9	1.9	1.9
70°	1.2	1.2	1.2	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.9
72.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.5	1.5	1.5
75°	0.8	0.8	0.8	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
77.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2
80°	0.4	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8	0.8
85°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	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):**

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	248.2	248.2	248.2	248.2	248.2	248.2	248.2	248.2
2.5°	289.9	285.3	276.0	248.2	219.2	190.2	172.0	167.4
5°	312.7	307.3	294.2	242.0	183.2	133.0	104.4	93.6
7.5°	326.7	320.1	304.6	232.3	142.6	77.3	46.4	37.1
10°	332.8	327.0	309.7	217.6	103.2	36.7	16.2	13.5
12.5°	335.6	330.9	311.6	198.3	67.3	16.2	12.0	11.6
15°	336.7	331.7	310.8	174.7	38.3	11.6	11.2	11.2
17.5°	337.9	332.1	306.2	147.7	21.3	10.8	10.4	10.8
20°	347.2	330.5	298.1	118.3	13.9	10.1	10.1	10.4
22.5°	356.4	330.1	283.8	90.5	10.8	9.7	10.1	10.1
25°	359.5	326.3	265.6	64.6	9.3	9.3	9.7	10.1
27.5°	353.7	315.1	241.2	43.7	8.1	9.3	9.7	10.1
30°	340.2	296.1	211.8	27.8	7.7	8.9	9.7	10.1
32.5°	315.1	258.6	179.0	16.6	7.3	8.9	10.1	10.1
35°	264.8	216.9	141.9	8.5	7.3	8.9	10.1	10.4
37.5°	231.6	180.9	99.0	5.8	7.3	8.9	10.1	10.4
40°	192.1	130.7	41.4	5.4	7.3	8.9	10.1	10.8
42.5°	133.0	56.8	6.6	5.0	7.0	8.9	10.4	10.8
45°	47.9	7.3	3.1	5.0	7.0	8.9	10.4	10.8
47.5°	4.3	2.7	3.1	5.0	7.0	8.9	10.4	11.2
50°	2.7	2.7	2.7	4.6	7.0	8.9	10.4	11.2
52.5°	2.7	2.7	2.7	4.6	6.6	8.9	10.8	11.2
55°	2.7	2.7	2.7	4.3	6.6	8.9	10.4	11.2
57.5°	2.7	2.7	3.1	4.3	6.6	8.5	10.4	10.8
60°	2.7	2.7	2.7	4.3	6.2	8.1	10.1	10.4
62.5°	2.3	2.7	2.7	3.9	5.8	7.7	9.7	10.1
65°	2.3	2.3	2.7	3.5	5.4	7.3	8.9	9.7
67.5°	1.9	2.3	2.3	3.1	4.6	6.6	8.1	8.9
70°	1.9	1.9	1.9	2.7	4.3	5.8	7.7	8.1
72.5°	1.5	1.9	1.9	2.3	3.5	5.0	6.6	7.3
75°	1.5	1.5	1.5	1.9	3.1	4.6	5.8	6.2
77.5°	1.2	1.2	1.5	1.5	2.7	3.5	5.0	5.4
80°	1.2	1.2	1.2	1.5	1.9	3.1	3.9	4.3
82.5°	0.8	0.8	0.8	1.2	1.5	1.9	2.7	3.1
85°	0.8	0.8	0.8	0.8	1.2	1.5	1.9	1.9
87.5°	0.4	0.4	0.4	0.8	0.8	0.8	0.8	0.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)