

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: P1311042

Luminaire Tested: LDSQA3D02R559040DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311042  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-54)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R559040DE010 3LSQCA30R 1MB  
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 90CRI , 3LSQCA30R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

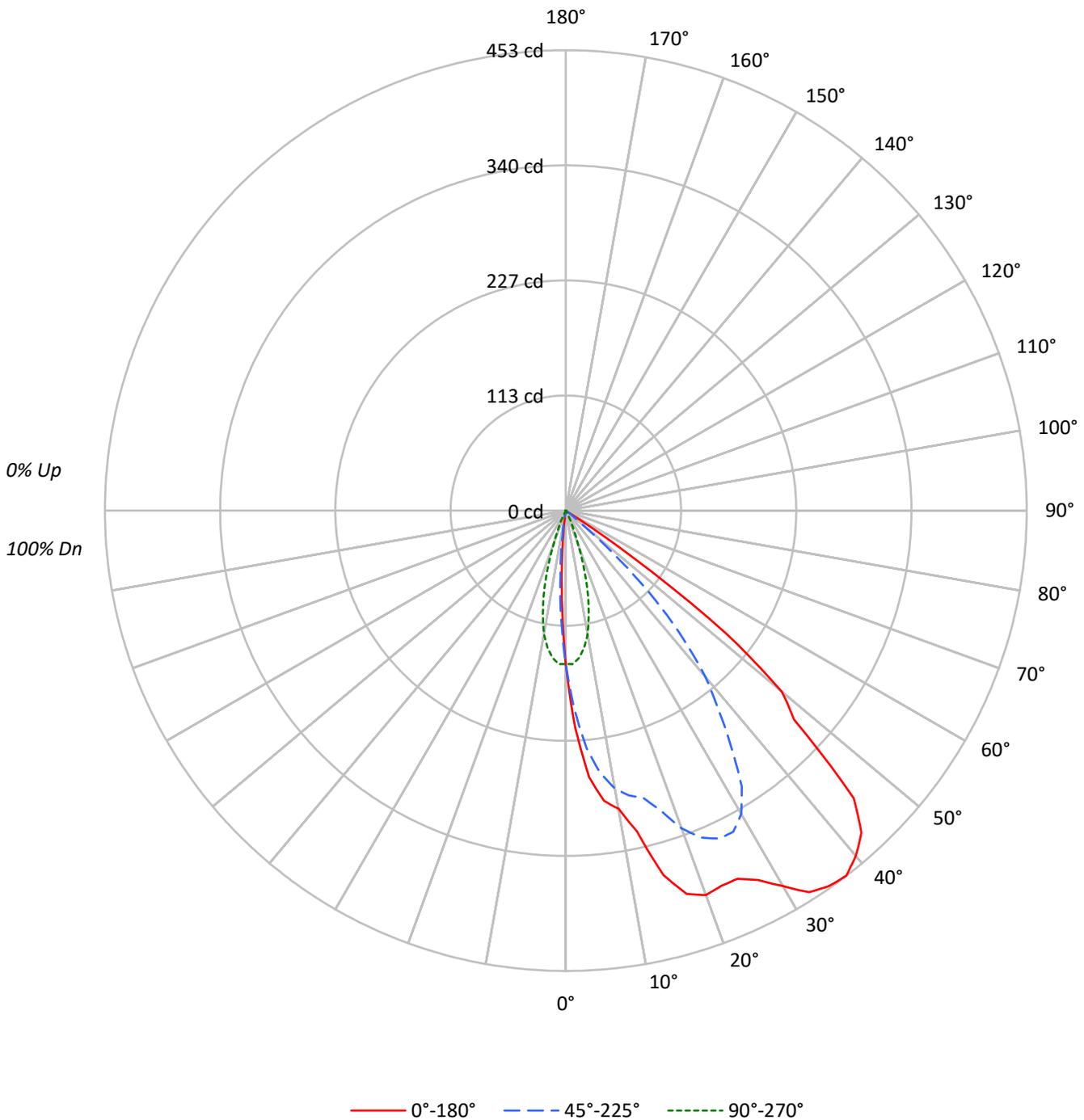
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 279.1 lumens  
Efficiency: N/A  
Efficacy: 77.5 lumens/watt  
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27  
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 (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	104	110	107	104	102	103	101	99	99	97	96	96	94	93	96	94	93	91
2	105	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	88	86	84	82
3	98	90	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	81	78	75	73
4	92	82	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	75	71	68	66
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	69	64	61	59
6	80	69	62	56	78	68	61	56	66	60	56	65	60	55	64	59	55	64	59	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	59	54	50	48
8	70	58	51	46	68	58	51	46	56	50	46	55	50	46	54	49	45	54	49	45	44
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	50	45	41	40
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	47	42	38	36

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

	0°	45°	90°	135°	180°
0°	25971	25971	25971	25971	25971
5°	45502	40575	25206	10477	6034
10°	52079	48564	21545	1154	420
15°	66202	52117	14781	232	143
20°	73768	60976	6488	0	0
25°	75935	67668	1843	0	0
30°	84836	68569	259	0	0
35°	94821	59541	0	0	0
40°	99730	47932	0	0	0
45°	97521	30274	0	0	0
50°	74244	6189	0	0	0
55°	24321	0	0	0	0
60°	0	0	0	0	0
65°	0	122	122	0	0
70°	0	151	151	0	0
75°	0	200	200	0	0
80°	0	298	496	298	0
85°	0	593	593	593	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 97521 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.8	4.9
10°-20°	40.4	14.5
20°-30°	65.7	23.5
30°-40°	78.0	28.0
40°-50°	63.8	22.9
50°-60°	16.9	6.1
60°-70°	0.1	0.0
70°-80°	0.2	0.1
80°-90°	0.2	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°	119.8	42.9
0°-40°	197.8	70.9
0°-60°	278.5	99.8
0°-90°	279.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	279.1	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	151	151	151	151	151	
5°	263	235	146	61	35	26
15°	371	292	83	1	1	104
25°	400	356	10	0	0	188
35°	451	283	0	0	0	280
45°	400	124	0	0	0	287
55°	81	0	0	0	0	91
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°	67.5°
0°	150.8	150.8	150.8	150.8	150.8	150.8	150.8	150.8	150.8	150.8	150.8
2.5°	213.9	212.4	212.6	211.8	212.6	209.2	205.6	202.1	199.5	195.9	173.6
5°	263.2	260.6	259.8	258.8	257.7	253.5	250.1	245.9	241.0	234.7	193.8
7.5°	288.1	286.0	285.0	285.5	283.2	281.6	277.1	272.4	267.2	260.4	209.0
10°	297.8	295.8	295.5	295.2	295.0	293.9	291.8	287.6	282.9	277.7	217.6
12.5°	323.3	318.6	315.4	311.7	307.3	301.5	296.8	293.1	291.3	287.1	221.6
15°	371.3	366.8	363.4	358.7	350.3	338.0	326.7	312.3	299.7	292.3	220.0
17.5°	395.4	393.3	390.4	387.3	381.5	372.6	361.0	345.8	329.8	309.1	212.4
20°	402.5	401.4	399.3	398.0	394.1	387.8	379.9	368.1	353.2	332.7	200.6
22.5°	399.6	400.4	401.4	404.8	405.3	400.9	393.5	382.3	367.1	348.2	182.5
25°	399.6	399.1	399.1	406.1	410.6	408.5	403.2	393.0	377.6	356.1	160.2
27.5°	409.8	406.7	400.1	407.4	414.8	414.0	409.3	397.2	379.9	356.3	132.9
30°	426.6	419.8	409.0	415.8	422.7	419.8	412.2	396.7	374.7	344.8	99.6
32.5°	445.2	442.1	436.5	441.0	440.0	428.4	414.8	393.3	363.9	321.7	67.1
35°	451.0	451.5	447.8	447.0	441.0	429.2	414.8	383.6	341.4	283.2	39.9
37.5°	452.8	453.1	447.3	440.0	431.0	417.1	399.8	363.7	299.7	245.9	21.2
40°	443.6	443.4	433.9	425.0	415.0	401.4	376.2	321.7	260.1	213.2	7.6
42.5°	430.0	426.6	417.7	406.7	394.6	377.6	338.2	271.6	226.0	170.7	0.5
45°	400.4	397.2	390.1	378.3	365.0	340.8	278.7	233.3	183.8	124.3	0.0
47.5°	304.4	302.8	310.2	311.7	311.5	284.0	232.6	190.4	135.0	72.4	0.0
50°	277.1	275.0	267.7	258.3	241.5	218.4	186.4	141.1	79.2	23.1	0.0
52.5°	199.0	205.8	207.4	200.3	184.6	161.8	128.5	81.3	27.5	0.0	0.0
55°	81.0	76.8	80.0	83.9	87.0	80.0	59.3	28.8	0.3	0.0	0.0
57.5°	0.0	0.3	1.6	3.7	6.0	7.6	8.1	0.5	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.3	0.3	0.3
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
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°	150.8	150.8	150.8	150.8	150.8
2.5°	151.3	127.9	105.4	93.1	87.0
5°	145.8	97.8	60.6	42.0	34.9
7.5°	136.6	67.1	24.1	10.0	7.1
10°	123.2	38.5	6.6	2.6	2.4
12.5°	104.1	17.6	2.4	1.8	1.8
15°	82.9	6.0	1.3	1.0	0.8
17.5°	58.2	1.6	0.5	0.0	0.0
20°	35.4	0.3	0.0	0.0	0.0
22.5°	19.7	0.0	0.0	0.0	0.0
25°	9.7	0.0	0.0	0.0	0.0
27.5°	4.2	0.0	0.0	0.0	0.0
30°	1.3	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.3	0.0	0.0	0.0	0.0
65°	0.3	0.3	0.0	0.0	0.0
67.5°	0.3	0.3	0.0	0.0	0.0
70°	0.3	0.3	0.0	0.0	0.0
72.5°	0.3	0.3	0.0	0.0	0.0
75°	0.3	0.3	0.0	0.0	0.0
77.5°	0.5	0.3	0.3	0.0	0.0
80°	0.5	0.3	0.3	0.0	0.0
82.5°	0.5	0.3	0.3	0.0	0.0
85°	0.3	0.3	0.3	0.0	0.0
87.5°	0.5	0.3	0.3	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)