

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: P1308780

Luminaire Tested: LDSQA3D02R409030DE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

**Test Information**

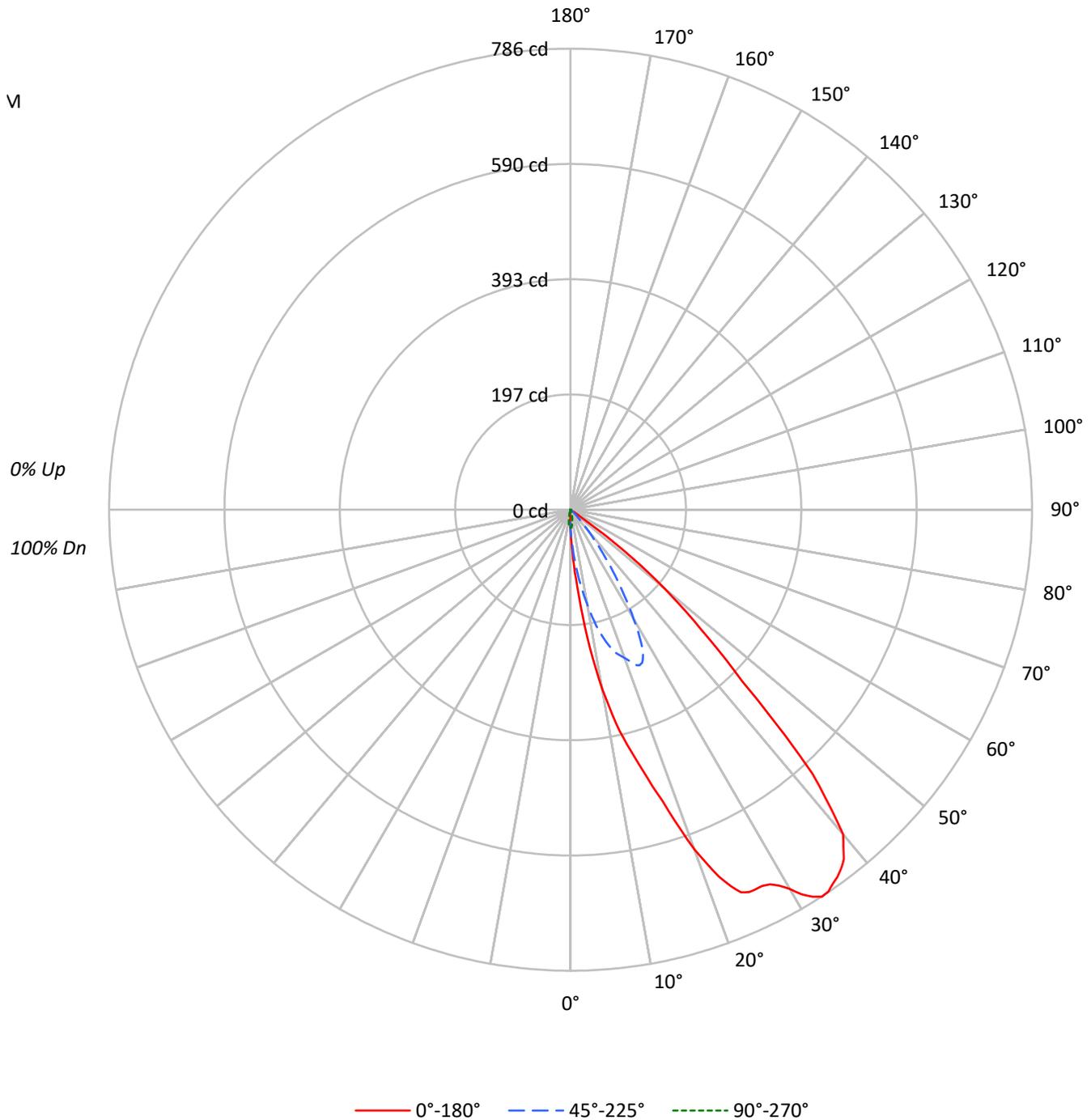
Test Method: LM-79-2019  
Report Number: P1308780  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-52)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R409030DE010 3LSQCA30R 1MMS  
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 90CRI , 3LSQCA30R 1MMS TRII  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 264.0 lumens  
Efficiency: N/A  
Efficacy: 73.3 lumens/watt  
Spacing Criteria (0/90/45): 2.56 / 0.36 / 1.23  
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 (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	104	110	107	104	102	103	101	99	99	98	96	96	94	93	96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	89	86	84	83
3	99	91	85	80	97	90	84	80	87	82	78	84	81	77	82	79	76	82	79	76	74
4	92	83	77	72	90	82	76	71	80	74	70	78	73	69	76	72	68	76	72	68	67
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	70	65	62	60
6	80	70	62	57	79	69	62	57	67	61	57	66	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	51	47	69	58	51	46	57	51	46	56	50	46	55	50	46	55	50	46	44
9	66	54	47	42	64	54	47	42	52	46	42	51	46	42	51	45	42	51	45	42	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°	5322	5322	5322	5322	5322
5°	22578	15386	4668	847	415
10°	54248	28610	2886	87	0
15°	79842	41579	1212	0	0
20°	112861	49283	440	0	0
25°	136705	54709	0	0	0
30°	148433	42796	0	0	0
35°	163676	25040	0	0	0
40°	162455	10162	0	0	0
45°	100614	2971	0	0	0
50°	56024	54	0	0	0
55°	5465	0	0	0	0
60°	0	0	69	0	0
65°	0	0	82	0	0
70°	0	101	252	0	0
75°	0	133	333	0	0
80°	0	198	496	0	0
85°	0	395	988	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 5°  
 Vertical Angle: 45°  
 Luminance: 101077 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5.8	2.2
10°-20°	34.0	12.9
20°-30°	77.7	29.4
30°-40°	91.7	34.7
40°-50°	49.0	18.6
50°-60°	5.3	2.0
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°	117.5	44.5
0°-40°	209.2	79.3
0°-60°	263.5	99.8
0°-90°	264.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	264.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	31	31	31	31	31	
5°	131	89	27	5	2	18
15°	448	233	7	0	0	133
25°	719	288	0	0	0	327
35°	778	119	0	0	0	481
45°	413	12	0	0	0	341
55°	18	0	0	0	0	51
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°	45°	67.5°	90°
0°	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9
2.5°	72.0	70.5	71.5	69.5	69.5	65.2	65.4	61.8	56.4	43.0	30.6
5°	130.6	136.4	131.8	125.7	122.3	117.9	112.1	106.0	89.0	53.7	27.0
7.5°	218.6	218.1	210.3	203.7	196.2	184.5	173.6	158.8	126.7	61.5	22.4
10°	310.2	308.5	299.8	294.2	279.8	263.1	240.7	216.9	163.6	64.2	16.5
12.5°	386.6	384.4	377.1	367.6	351.8	330.7	306.6	275.2	202.5	61.3	10.7
15°	447.8	447.4	440.3	427.4	410.9	390.2	363.0	325.3	233.2	53.7	6.8
17.5°	520.5	523.5	510.8	497.0	473.1	444.2	410.9	367.9	255.8	44.5	4.4
20°	615.8	611.7	600.0	579.9	557.0	522.2	475.1	413.6	268.9	34.5	2.4
21°	645.0	643.3	631.2	612.4	587.2	551.9	503.3	436.9	275.0	30.9	1.9
22°	674.7	671.8	662.3	644.0	620.2	580.3	526.9	461.0	282.8	27.0	1.2
23°	696.8	695.6	688.3	670.3	645.8	607.1	552.4	483.3	288.1	23.3	0.7
24°	713.8	712.4	705.1	691.5	670.3	629.9	578.2	507.4	290.3	20.2	0.2
25°	719.4	720.1	715.8	705.1	687.3	647.0	597.4	526.4	287.9	17.3	0.0
26°	719.7	721.9	718.7	712.6	698.0	660.6	615.4	537.6	281.5	14.6	0.0
27°	719.7	721.9	718.7	714.1	699.7	668.4	625.1	538.8	271.8	12.4	0.0
28°	723.1	724.3	720.1	714.6	699.0	670.8	627.8	531.5	256.3	10.7	0.0
29°	732.5	731.3	724.5	717.0	698.3	670.8	619.7	517.6	236.8	9.0	0.0
30°	746.4	746.4	735.7	723.8	701.7	670.5	606.9	492.6	215.2	7.3	0.0
31°	765.1	763.4	752.7	735.0	709.0	670.5	587.9	464.9	195.2	6.3	0.0
32°	777.8	776.8	766.6	745.7	720.9	670.5	567.5	434.2	173.6	5.1	0.0
33°	786.5	784.6	772.9	751.3	728.2	667.1	544.6	401.4	154.1	4.1	0.0
34°	785.3	784.8	772.7	750.3	726.7	653.0	518.1	364.9	136.2	3.4	0.0
35°	778.5	778.5	763.7	740.6	716.3	632.4	491.9	333.8	119.1	2.4	0.0
36°	773.4	771.4	754.7	728.9	698.8	599.8	452.9	302.5	100.9	1.9	0.0
37°	765.9	762.2	743.5	715.8	674.0	564.5	412.1	274.5	85.3	1.2	0.0
38°	756.1	750.5	727.7	700.5	646.7	523.9	370.5	243.1	71.0	0.7	0.0
39°	738.4	733.8	710.2	680.8	614.1	481.2	330.2	213.7	57.4	0.2	0.0
40°	722.6	714.6	687.8	654.0	576.0	432.8	290.1	184.8	45.2	0.0	0.0
42.5°	609.3	600.8	594.7	561.1	458.8	310.7	202.5	118.4	23.6	0.0	0.0
45°	413.1	415.0	396.1	373.4	302.7	202.5	126.7	65.9	12.2	0.0	0.0
47.5°	301.2	296.1	270.4	227.6	177.5	118.4	66.1	31.8	4.9	0.0	0.0
50°	209.1	199.4	176.0	143.9	96.5	56.4	29.2	14.8	0.2	0.0	0.0
52.5°	113.5	106.7	90.4	65.6	40.1	21.6	11.7	6.1	0.0	0.0	0.0
55°	18.2	12.6	13.1	11.2	8.8	6.3	3.6	0.7	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.2
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.5	0.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.5	0.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	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):**

	112.5°	135°	157.5°	180°
0°	30.9	30.9	30.9	30.9
2.5°	20.7	14.1	10.7	9.2
5°	11.9	4.9	2.7	2.4
7.5°	5.8	1.7	1.0	1.0
10°	2.4	0.5	0.0	0.0
12.5°	0.7	0.0	0.0	0.0
15°	0.0	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	0.2	0.0	0.0	0.0
67.5°	0.2	0.0	0.0	0.0
70°	0.2	0.0	0.0	0.0
72.5°	0.2	0.0	0.0	0.0
75°	0.2	0.0	0.0	0.0
77.5°	0.2	0.0	0.0	0.0
80°	0.2	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	112.5°	135°	157.5°	180°
82.5°	0.2	0.0	0.0	0.0
85°	0.2	0.0	0.0	0.0
87.5°	0.2	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)