

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: P1323657

Luminaire Tested: LDSQA3D05R509030D2WDE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

**Test Information**

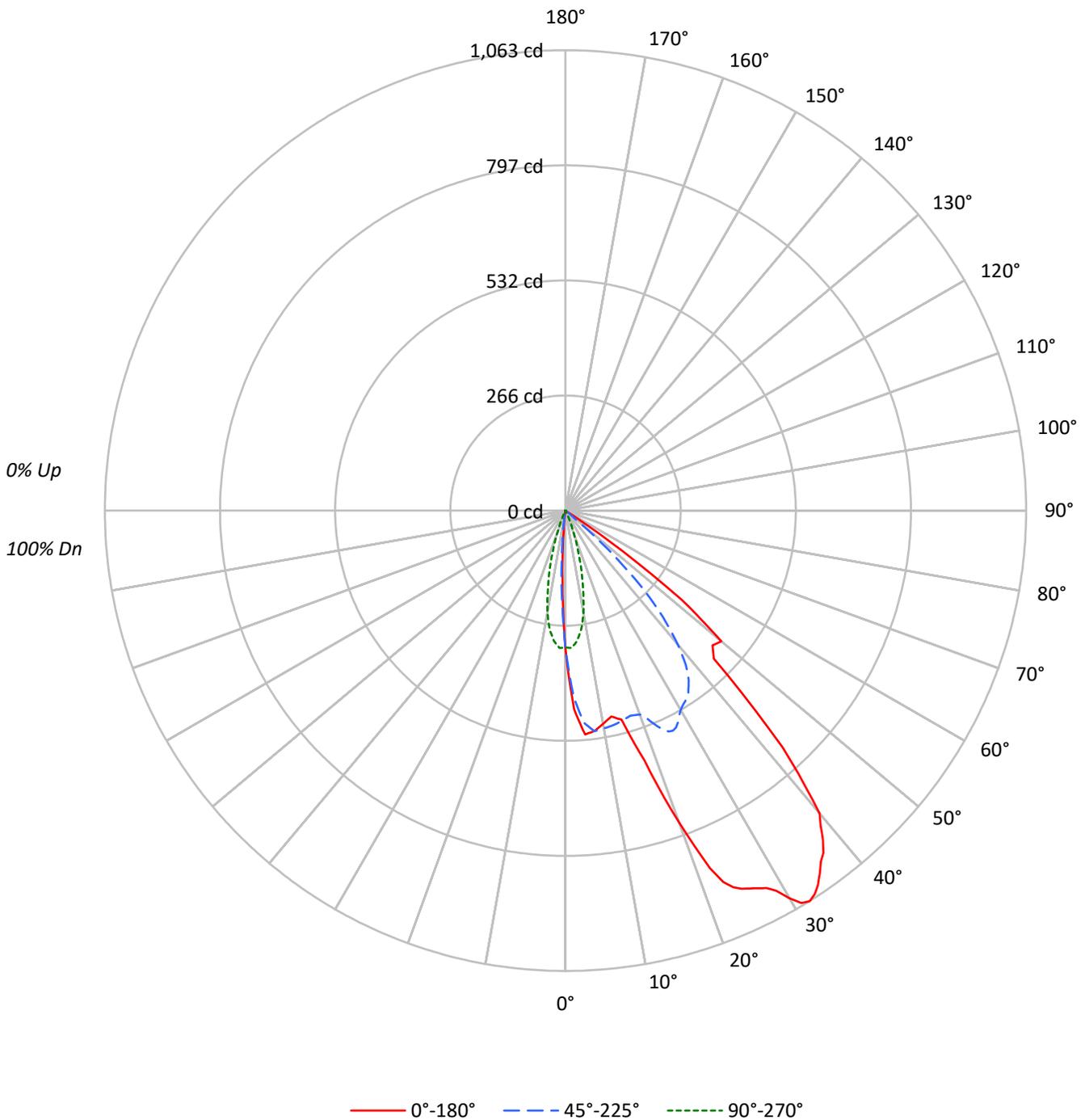
Test Method: LM-79-2019  
Report Number: P1323657  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-53)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R509030D2WDE010 3LSQCA30R 1MMS  
Description: 3in Adjustable Dim to Warm LED luminaire with, R50 optic, 3000K CCT AND, 90CRI ,  
3LSQCA30R 1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 509.0 lumens  
Efficiency: N/A  
Efficacy: 45.9 lumens/watt  
Spacing Criteria (0/90/45): 1.8 / 0.48 / 1.24  
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82
3	98	91	85	80	96	89	84	79	86	82	78	84	80	77	82	78	75	74
4	92	83	76	71	90	81	75	70	79	74	70	77	72	69	75	71	68	66
5	86	76	68	63	84	75	68	63	73	67	62	71	66	62	69	65	61	59
6	80	69	62	57	78	68	62	57	67	61	56	65	60	56	64	59	55	54
7	75	64	56	51	73	63	56	51	61	55	51	60	55	50	59	54	50	48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	44
9	66	54	47	42	64	54	47	42	53	46	42	52	46	42	51	45	42	40
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37

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

	0°	45°	90°	135°	180°
0°	54422	54422	54422	54422	54422
5°	89673	85109	52296	15542	7762
10°	87405	89311	41901	787	1049
15°	89113	89648	25104	802	267
20°	140462	91784	10337	0	0
25°	183110	106928	2470	0	0
30°	205528	105737	99	0	0
35°	215081	104134	0	0	0
40°	205171	90468	0	0	0
45°	117834	59696	0	0	0
50°	125740	6832	0	0	0
55°	35821	0	0	0	0
60°	0	0	172	0	0
65°	0	204	204	0	0
70°	0	252	252	0	0
75°	0	333	333	0	0
80°	0	496	992	496	0
85°	0	988	1976	988	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 15°  
 Vertical Angle: 45°  
 Luminance: 130110 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	26.5	5.2
10°-20°	66.9	13.1
20°-30°	128.4	25.2
30°-40°	149.5	29.4
40°-50°	107.0	21.0
50°-60°	29.8	5.9
60°-70°	0.2	0.0
70°-80°	0.3	0.1
80°-90°	0.4	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°	221.9	43.6
0°-40°	371.4	73.0
0°-60°	508.1	99.8
0°-90°	509.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	509.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	316	316	316	316	316	
5°	519	492	302	90	45	48
15°	500	503	141	4	2	161
25°	964	563	13	0	0	438
35°	1023	495	0	0	0	633
45°	484	245	0	0	0	455
55°	119	0	0	0	0	150
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	1	0	0	0
90°	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°	316.0	316.0	316.0	316.0	316.0	316.0	316.0	316.0	316.0	316.0	316.0
2.5°	459.3	461.8	462.3	456.3	457.3	448.8	449.3	443.3	428.9	378.4	317.5
5°	518.7	517.2	518.7	516.7	518.7	513.7	510.7	508.2	492.3	420.9	302.5
7.5°	513.2	511.2	514.2	515.2	518.7	517.2	517.7	519.2	513.7	443.8	277.1
10°	499.8	499.3	500.8	500.8	504.7	505.2	507.2	510.2	510.7	451.8	239.6
12.5°	486.8	485.3	485.3	484.8	486.8	486.3	491.3	498.3	507.7	446.8	188.2
15°	499.8	498.3	496.3	490.8	486.8	482.3	482.8	487.3	502.8	433.9	140.8
17.5°	604.6	596.6	586.6	569.2	550.7	518.7	499.8	487.8	496.8	413.9	93.9
20°	766.4	762.9	746.9	718.4	688.5	641.5	583.1	536.2	500.8	388.9	56.4
21°	827.8	825.8	808.8	782.3	748.4	691.5	631.6	575.1	508.7	378.4	44.4
22°	890.7	883.2	869.7	840.2	804.8	747.9	681.0	618.6	524.7	365.0	33.9
23°	931.1	926.6	912.1	888.7	854.7	799.3	730.9	663.0	540.2	350.0	25.5
24°	952.1	950.6	939.1	922.6	893.7	837.3	772.3	702.5	553.2	332.5	18.5
25°	963.6	958.6	951.6	939.6	917.6	868.7	810.8	736.9	562.7	315.0	13.0
26°	970.6	967.6	956.6	946.1	925.1	885.2	835.8	757.9	565.2	293.6	9.0
27°	978.5	971.6	961.1	948.6	925.1	890.2	845.2	766.9	562.2	271.6	6.0
28°	987.0	982.0	967.6	951.6	923.6	890.2	841.7	754.9	553.2	250.6	3.5
29°	1003.5	997.0	979.0	955.6	924.1	889.2	828.3	729.9	541.2	227.2	2.0
30°	1033.5	1020.0	998.0	965.1	927.6	887.2	805.8	692.5	531.7	200.7	0.5
31°	1056.9	1049.4	1024.0	982.5	937.6	881.7	779.3	655.5	525.2	177.7	0.0
32°	1063.4	1057.9	1039.5	1000.5	954.6	877.2	749.4	619.6	520.2	152.3	0.0
33°	1055.9	1052.4	1033.0	997.5	959.1	871.2	714.9	584.1	514.7	129.3	0.0
34°	1041.9	1037.5	1020.5	984.5	947.6	845.2	682.0	557.2	506.7	107.8	0.0
35°	1023.0	1019.5	1002.0	966.6	926.6	804.8	649.0	539.2	495.3	86.4	0.0
36°	1002.5	1001.5	979.0	944.1	899.7	765.9	609.1	525.7	483.8	68.4	0.0
37°	989.0	984.0	959.6	925.1	867.7	720.4	577.1	521.2	467.8	52.9	0.0
38°	964.6	965.6	937.6	906.1	835.3	681.0	551.2	517.7	449.8	38.4	0.0
39°	935.6	936.1	907.1	880.2	796.8	639.5	529.7	514.2	427.4	24.5	0.0
40°	912.6	912.1	879.2	850.2	755.4	600.6	518.2	509.2	402.4	14.0	0.0
42.5°	741.9	744.9	748.9	760.9	658.0	532.2	507.2	481.3	331.5	0.0	0.0
45°	483.8	495.3	498.3	534.2	533.7	504.2	481.3	431.4	245.1	0.0	0.0
47.5°	460.3	463.8	470.3	484.3	491.8	477.3	430.4	360.5	133.8	0.0	0.0
50°	469.3	468.8	470.3	470.3	456.8	419.4	353.0	266.1	25.5	0.0	0.0
52.5°	337.0	349.5	363.0	369.0	351.5	312.0	257.6	156.3	0.0	0.0	0.0
55°	119.3	115.3	112.3	122.8	120.3	135.3	111.8	36.4	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.5	2.0	4.5	6.0	0.0	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	0.5	0.5
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	0.5	0.5	0.5	0.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	1.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	1.0



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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	0.5	0.5	0.5	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	1.0
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°	316.0	316.0	316.0	316.0
2.5°	253.1	194.2	157.3	159.8
5°	177.7	89.9	55.4	44.9
7.5°	106.3	27.5	5.5	4.5
10°	49.9	4.5	5.0	6.0
12.5°	15.0	4.0	5.5	5.0
15°	4.0	4.5	2.5	1.5
17.5°	1.5	2.0	0.0	0.0
20°	1.0	0.0	0.0	0.0
21°	1.0	0.0	0.0	0.0
22°	0.5	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°	0.5	0.0	0.0	0.0
67.5°	0.5	0.0	0.0	0.0
70°	0.5	0.0	0.0	0.0
72.5°	0.5	0.0	0.0	0.0
75°	0.5	0.0	0.0	0.0
77.5°	0.5	0.0	0.0	0.0
80°	0.5	0.5	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	112.5°	135°	157.5°	180°
82.5°	0.5	0.5	0.0	0.0
85°	0.5	0.5	0.0	0.0
87.5°	0.5	0.5	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)