

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: P1323675

Luminaire Tested: LDSQA3D05R609030D2WDE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

**Test Information**

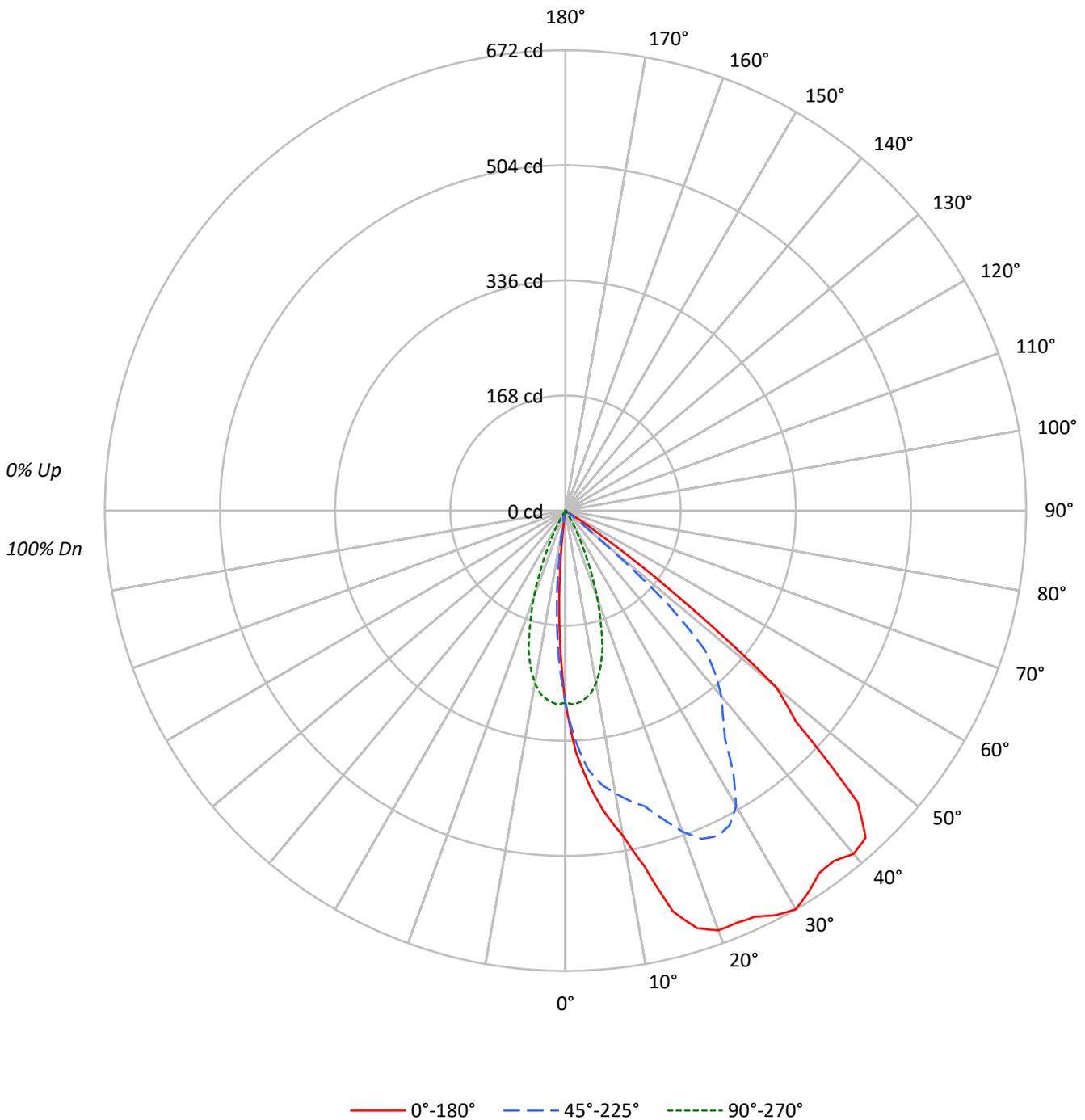
Test Method: LM-79-2019  
Report Number: P1323675  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-55)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R609030D2WDE010 3LSQCA30R 1MMS  
Description: 3in Adjustable Dim to Warm LED luminaire with, R60 optic, 3000K CCT AND, 90CRI ,  
3LSQCA30R 1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 456.0 lumens  
Efficiency: N/A  
Efficacy: 41.1 lumens/watt  
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25  
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	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	69	65	61	60
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39	37

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

	0°	45°	90°	135°	180°
0°	48326	48326	48326	48326	48326
5°	69654	65591	48251	24860	15974
10°	84239	73327	44787	2973	1749
15°	107977	79664	37122	1961	1605
20°	119496	91308	24889	1100	183
25°	124277	99612	12238	95	0
30°	133618	98975	3381	0	0
35°	135713	85233	0	0	0
40°	147033	79452	0	0	0
45°	146891	70145	0	0	0
50°	107547	16987	0	0	0
55°	20988	0	0	0	0
60°	0	0	0	0	0
65°	0	204	204	0	0
70°	0	252	252	0	0
75°	0	333	333	0	0
80°	0	496	496	496	0
85°	0	988	988	988	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 5°  
 Vertical Angle: 45°  
 Luminance: 147134 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	24.1	5.3
10°-20°	68.6	15.0
20°-30°	109.3	24.0
30°-40°	126.4	27.7
40°-50°	100.4	22.0
50°-60°	26.4	5.8
60°-70°	0.2	0.0
70°-80°	0.3	0.1
80°-90°	0.3	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°	202.1	44.3
0°-40°	328.4	72.0
0°-60°	455.3	99.8
0°-90°	456.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	456.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	281	281	281	281	281	
5°	403	379	279	144	92	41
15°	606	447	208	11	9	169
25°	654	524	64	0	0	305
35°	646	405	0	0	0	410
45°	603	288	0	0	0	429
55°	70	0	0	0	0	105
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°	50°
0°	280.6	280.6	280.6	280.6	280.6	280.6	280.6	280.6	280.6	280.6	280.6
2.5°	352.9	356.4	354.9	353.4	350.0	348.5	348.5	344.5	338.0	337.0	332.5
5°	402.9	403.9	403.9	402.9	400.4	396.4	395.4	391.4	385.4	379.4	373.4
7.5°	446.3	445.8	442.8	440.8	436.3	430.8	425.8	420.3	411.4	403.4	394.9
10°	481.7	483.2	480.7	475.8	469.8	462.3	454.3	444.8	431.3	419.3	408.4
12.5°	531.7	531.2	524.7	516.2	501.7	487.7	475.3	464.8	448.3	433.8	420.3
15°	605.6	604.6	598.6	591.1	570.1	549.1	527.7	498.2	470.8	446.8	427.8
17.5°	639.0	641.0	636.0	632.0	620.0	606.1	587.1	557.6	515.2	471.8	431.8
20°	652.0	654.5	651.0	650.5	645.0	638.5	623.0	591.1	549.6	498.2	448.8
22.5°	651.5	653.5	652.0	658.5	665.0	661.5	642.5	610.5	568.1	518.7	462.8
25°	654.0	652.5	647.0	656.5	666.0	663.0	653.5	626.0	579.6	524.2	467.8
27.5°	665.5	654.5	643.5	655.5	660.0	661.0	655.5	623.0	577.6	518.2	457.8
30°	671.9	660.0	651.0	661.0	661.0	666.5	655.0	618.0	560.6	497.7	431.3
32.5°	660.0	657.5	665.5	675.4	677.9	677.9	652.5	601.6	532.2	455.8	388.9
35°	645.5	651.5	674.4	678.9	678.9	668.0	637.0	572.6	489.7	405.4	357.4
37.5°	644.0	653.5	678.9	673.4	664.5	644.0	599.1	522.2	429.3	376.9	334.0
40°	654.0	663.0	677.9	658.0	636.5	604.6	550.6	456.3	392.9	353.4	305.5
42.5°	648.0	656.5	657.0	627.5	597.1	553.6	482.2	402.9	366.4	323.5	273.1
45°	603.1	604.1	602.1	570.6	539.2	494.2	418.3	376.4	337.5	288.0	200.7
47.5°	455.8	453.8	461.3	452.3	453.8	426.8	379.9	345.5	299.0	202.2	60.9
50°	401.4	398.9	391.4	383.4	375.4	362.4	340.5	303.5	215.7	63.4	2.0
52.5°	215.2	227.1	250.6	286.6	300.0	299.0	282.6	224.6	67.9	0.5	0.0
55°	69.9	68.9	76.9	90.9	124.8	143.8	149.8	76.4	1.5	0.0	0.0
57.5°	0.0	0.0	0.0	1.5	5.0	13.0	17.0	1.0	0.0	0.5	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0
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	0.0	0.5	0.5	0.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	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	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	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):**

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	280.6	280.6	280.6	280.6	280.6	280.6	280.6	280.6
2.5°	326.5	319.5	311.5	283.1	249.6	217.2	193.7	187.7
5°	363.9	351.9	335.0	279.1	206.2	143.8	102.8	92.4
7.5°	383.4	372.9	354.9	271.1	159.7	70.9	26.5	18.0
10°	395.4	382.9	362.9	256.1	104.3	17.0	9.5	10.0
12.5°	403.9	389.4	366.9	234.6	52.9	8.5	12.0	12.5
15°	407.4	391.9	366.4	208.2	19.0	11.0	10.5	9.0
17.5°	405.4	385.9	359.9	170.2	6.5	10.5	5.5	4.5
20°	402.9	380.9	349.5	135.8	5.5	6.0	2.0	1.0
22.5°	410.9	372.4	335.0	97.3	5.5	2.0	0.0	0.0
25°	411.9	368.9	316.5	64.4	2.5	0.5	0.0	0.0
27.5°	401.9	348.5	288.0	37.9	0.0	0.0	0.0	0.0
30°	369.9	323.0	257.6	17.0	0.0	0.0	0.0	0.0
32.5°	338.5	294.5	223.6	4.0	0.0	0.0	0.0	0.0
35°	313.5	265.1	186.2	0.0	0.0	0.0	0.0	0.0
37.5°	282.6	230.1	138.8	0.0	0.0	0.0	0.0	0.0
40°	250.1	185.7	69.4	0.0	0.0	0.0	0.0	0.0
42.5°	195.2	88.4	7.0	0.0	0.0	0.0	0.0	0.0
45°	74.9	8.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0
65°	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0
67.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
70°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
72.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
75°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
77.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.0
82.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
85°	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.0
87.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)