

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: P1323687

Luminaire Tested: LDSQA3D05R709030D2WDE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

**Test Information**

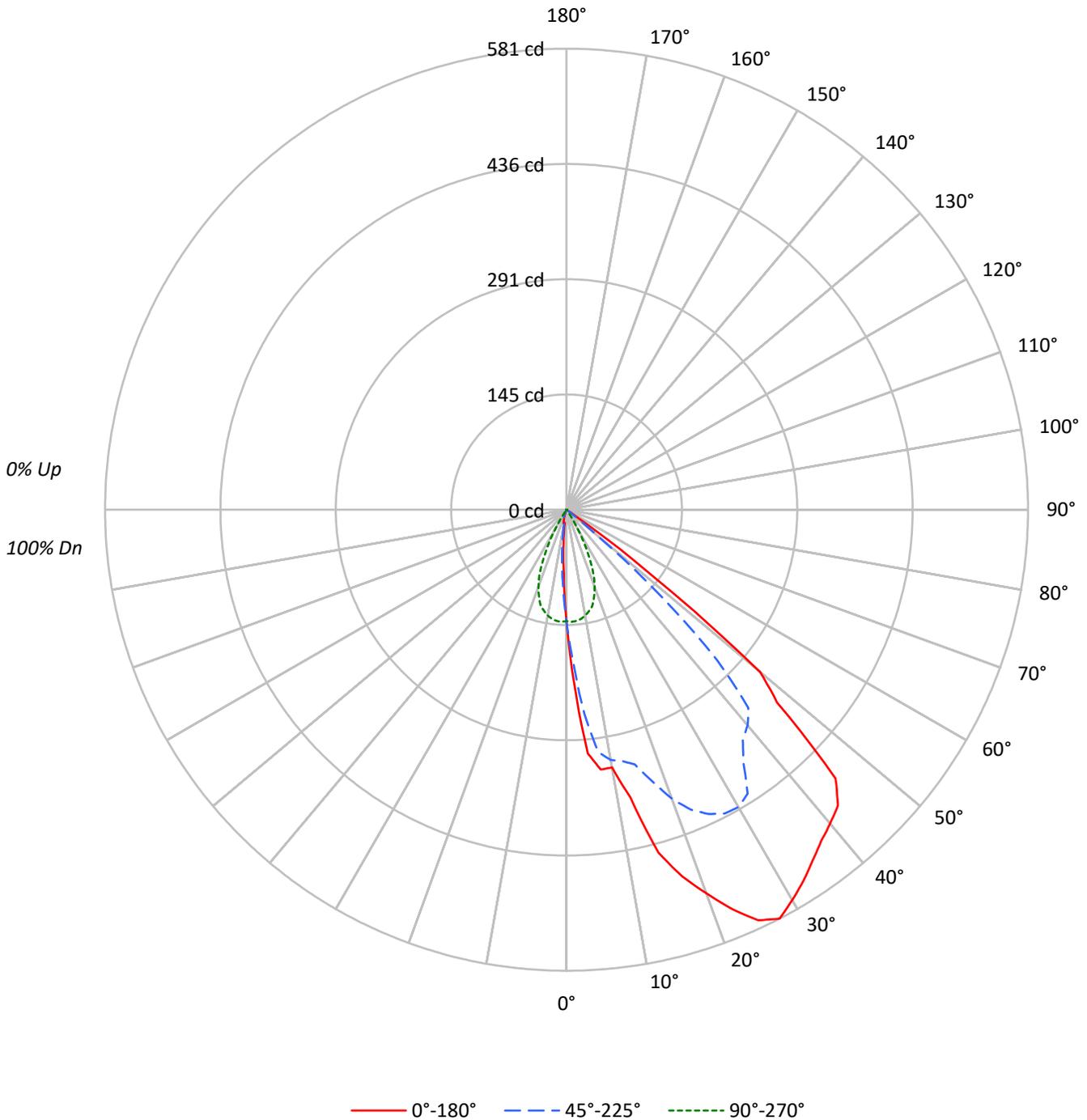
Test Method: LM-79-2019  
Report Number: P1323687  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-57)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R709030D2WDE010 3LSQCA30R 1MB  
Description: 3in Adjustable Dim to Warm LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,  
3LSQCA30R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 377.9 lumens  
Efficiency: N/A  
Efficacy: 34.0 lumens/watt  
Spacing Criteria (0/90/45): 2.08 / 0.83 / 1.48  
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	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	110	107	104	102	103	101	99	99	97	96	96	94	93	96	94	93	91
2	105	99	94	90	103	98	93	89	94	91	87	91	88	85	88	86	84	88	86	84	82
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	81	78	75	73
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	75	71	67	66
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	69	64	61	59
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	63	58	55	53
7	74	63	56	50	73	62	55	50	61	55	50	59	54	50	58	53	49	58	53	49	48
8	69	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	54	49	45	43
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	50	45	41	39
10	61	49	42	38	60	49	42	38	48	42	37	47	41	37	46	41	37	46	41	37	36

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

	0°	45°	90°	135°	180°
0°	24163	24163	24163	24163	24163
5°	53299	44724	24342	11064	7278
10°	57658	55979	23696	3078	3165
15°	79788	59248	22359	3138	2282
20°	94240	70983	18969	1851	678
25°	108467	80381	13378	304	0
30°	112976	86029	6145	0	0
35°	113490	81533	336	0	0
40°	116075	79744	0	0	0
45°	116665	65347	0	0	0
50°	85175	13584	0	0	0
55°	4804	0	0	0	0
60°	0	172	172	0	0
65°	0	0	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: 118881 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	15.3	4.1
10°-20°	51.2	13.6
20°-30°	92.1	24.4
30°-40°	112.0	29.6
40°-50°	86.5	22.9
50°-60°	20.1	5.3
60°-70°	0.1	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°	158.7	42.0
0°-40°	270.7	71.6
0°-60°	377.3	99.8
0°-90°	377.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	377.9	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	140	140	140	140	140	
5°	308	259	141	64	42	29
15°	448	332	125	18	13	125
25°	571	423	70	2	0	260
35°	540	388	2	0	0	339
45°	479	268	0	0	0	339
55°	16	0	0	0	0	66
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	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	140.3	140.3	140.3	140.3	140.3	140.3	140.3	140.3	140.3	140.3	140.3
2.5°	218.7	218.7	219.8	219.2	214.4	212.3	205.4	201.6	200.6	192.0	188.8
5°	308.3	308.8	306.2	305.6	300.3	296.6	290.7	281.6	272.6	258.7	246.4
7.5°	330.2	329.7	329.1	329.1	328.1	325.9	323.3	320.6	316.9	308.3	298.7
10°	329.7	329.7	329.1	329.1	328.6	329.1	328.6	327.0	325.4	320.1	314.7
12.5°	371.3	368.1	363.8	357.4	346.7	338.7	329.7	327.0	325.9	324.3	321.1
15°	447.5	444.9	435.8	424.6	413.9	395.8	381.4	361.7	346.2	332.3	325.4
17.5°	484.3	485.9	475.8	468.9	458.7	444.3	427.3	407.0	385.1	359.0	338.2
20°	514.2	515.8	507.3	500.3	488.6	473.7	458.7	436.9	416.1	387.3	360.1
22.5°	544.6	545.7	537.7	527.6	514.2	498.7	479.5	457.1	434.7	409.1	380.3
25°	570.8	569.7	556.4	542.0	529.2	512.6	493.9	472.1	450.7	423.0	395.8
27.5°	580.9	580.4	565.4	551.6	536.6	514.2	497.7	478.5	456.1	431.5	403.8
30°	568.1	576.6	567.0	556.9	538.8	516.3	500.3	477.4	456.6	432.6	401.1
32.5°	554.8	565.4	562.2	557.4	536.1	518.5	497.7	476.3	451.8	424.1	376.1
35°	539.8	551.0	551.6	546.2	527.0	509.4	490.2	467.8	440.1	387.8	352.6
37.5°	526.5	537.2	540.4	529.2	514.2	490.7	473.1	449.7	399.5	364.3	346.2
40°	516.3	524.4	529.2	511.5	496.6	473.7	453.4	412.3	367.0	354.7	329.1
42.5°	505.7	513.1	515.3	496.1	473.1	451.3	421.9	370.2	356.9	338.7	269.9
45°	479.0	488.1	482.7	464.1	447.0	424.1	380.3	357.9	343.5	268.3	165.9
47.5°	359.5	369.7	384.1	389.4	395.3	378.7	354.7	346.7	282.2	162.7	51.7
50°	317.9	316.3	316.3	319.0	323.8	329.1	336.1	292.3	169.6	50.7	0.0
52.5°	129.6	136.0	167.5	195.8	228.3	260.8	271.0	179.2	66.1	1.1	0.0
55°	16.0	16.0	22.4	38.4	63.5	102.4	115.2	57.6	4.8	0.0	0.0
57.5°	0.0	0.0	0.0	0.5	4.3	11.7	8.0	2.1	0.5	0.5	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	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	0.0	0.5	0.5	0.5	0.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°	140.3	140.3	140.3	140.3	140.3	140.3	140.3	140.3
2.5°	183.5	177.1	168.0	141.4	118.4	98.1	86.4	80.5
5°	234.7	219.2	198.4	140.8	96.0	64.0	48.0	42.1
7.5°	283.8	266.2	231.0	138.7	73.6	37.3	20.8	16.5
10°	305.1	292.3	260.8	135.5	53.3	17.6	17.6	18.1
12.5°	313.6	304.0	278.4	130.7	35.2	17.1	18.1	17.1
15°	319.5	310.4	287.0	125.4	20.3	17.6	14.4	12.8
17.5°	322.7	312.0	289.6	115.2	13.3	14.9	9.1	7.5
20°	332.9	315.8	291.8	103.5	12.8	10.1	4.8	3.7
22.5°	349.9	323.3	292.3	89.1	10.1	5.9	1.6	0.0
25°	365.4	333.4	293.9	70.4	3.2	1.6	0.0	0.0
27.5°	372.9	336.6	293.4	49.6	0.0	0.0	0.0	0.0
30°	363.8	328.6	288.6	30.9	0.0	0.0	0.0	0.0
32.5°	342.5	322.7	273.6	13.3	0.0	0.0	0.0	0.0
35°	335.5	309.9	239.5	1.6	0.0	0.0	0.0	0.0
37.5°	320.1	273.1	176.0	0.0	0.0	0.0	0.0	0.0
40°	275.2	197.4	83.7	0.0	0.0	0.0	0.0	0.0
42.5°	181.9	84.3	4.8	0.0	0.0	0.0	0.0	0.0
45°	64.0	5.3	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	1.1	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	0.5	0.5	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.5	0.5	0.0	0.0	0.0	0.0
67.5°	0.5	0.5	0.5	0.5	0.0	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	0.5	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	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)