

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: P1308996

Luminaire Tested: LDSQA3D05R709030DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

**Test Information**

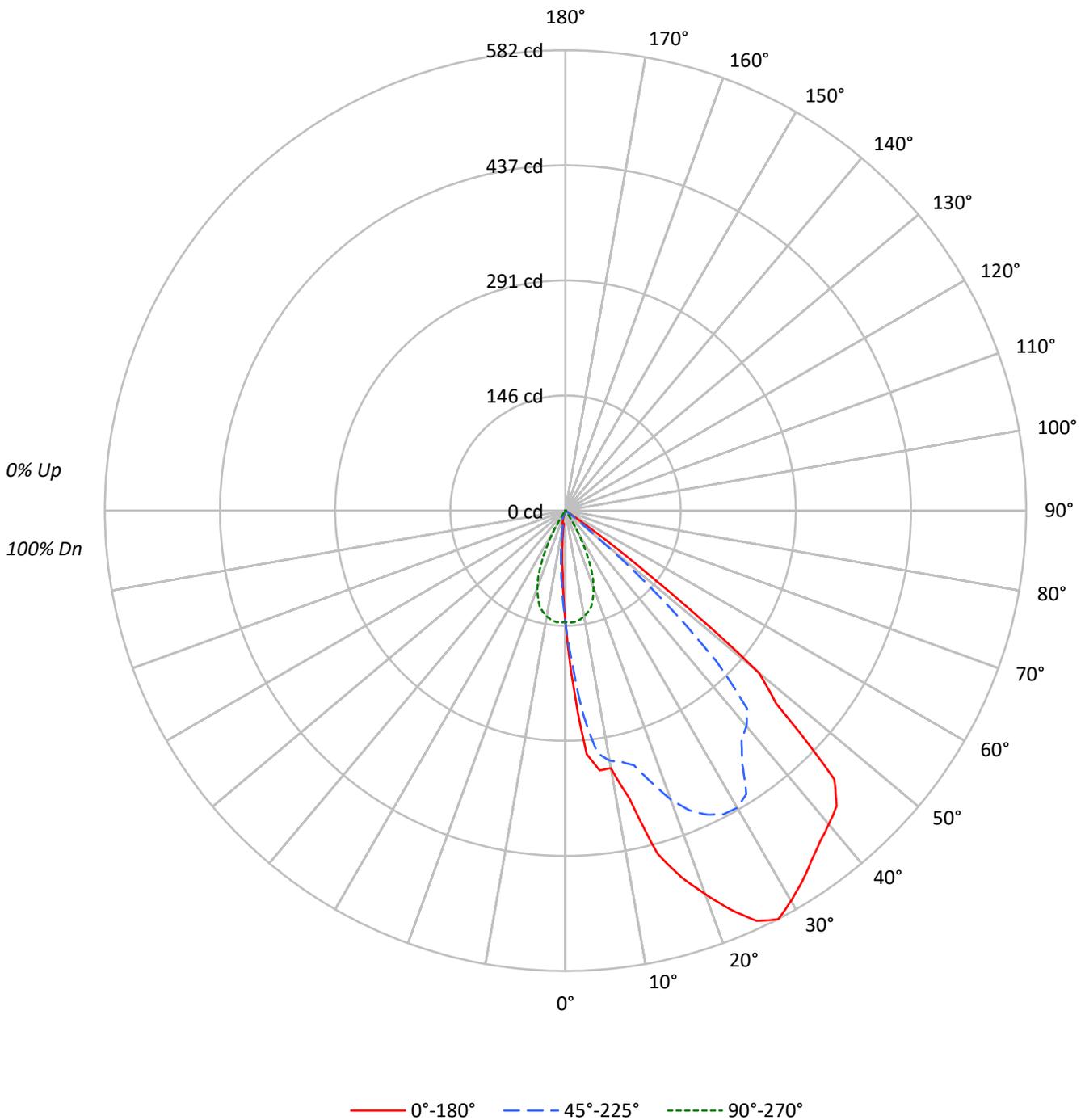
Test Method: LM-79-2019  
Report Number: P1308996  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-57)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R709030DE010 3LSQCA30R 1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , 3LSQCA30R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 379.0 lumens  
Efficiency: N/A  
Efficacy: 52.6 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): 7.2  
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	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°	24232	24232	24232	24232	24232
5°	53437	44845	24411	11099	7313
10°	57798	56119	23749	3078	3183
15°	80002	59409	22412	3138	2282
20°	94497	71166	19024	1869	678
25°	108752	80590	13416	304	0
30°	113274	86248	6165	0	0
35°	113785	81743	336	0	0
40°	116390	79969	0	0	0
45°	116982	65518	0	0	0
50°	85416	13611	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: 119198 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	15.4	4.1
10°-20°	51.4	13.6
20°-30°	92.4	24.4
30°-40°	112.3	29.6
40°-50°	86.7	22.9
50°-60°	20.2	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°	159.1	42.0
0°-40°	271.4	71.6
0°-60°	378.3	99.8
0°-90°	379.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	379.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	141	141	141	141	141	
5°	309	259	141	64	42	29
15°	449	333	126	18	13	125
25°	572	424	71	2	0	260
35°	541	389	2	0	0	340
45°	480	269	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°	140.7	140.7	140.7	140.7	140.7	140.7	140.7	140.7	140.7	140.7	140.7
2.5°	219.3	219.3	220.3	219.8	215.0	212.9	205.9	202.2	201.1	192.5	189.3
5°	309.1	309.7	307.0	306.5	301.1	297.4	291.5	282.4	273.3	259.4	247.1
7.5°	331.1	330.5	330.0	330.0	328.9	326.8	324.1	321.4	317.7	309.1	299.5
10°	330.5	330.5	330.0	330.0	329.5	330.0	329.5	327.9	326.2	320.9	315.5
12.5°	372.2	369.0	364.8	358.3	347.6	339.6	330.5	327.9	326.8	325.2	322.0
15°	448.7	446.0	437.0	425.7	415.0	396.8	382.4	362.6	347.1	333.2	326.2
17.5°	485.6	487.2	477.1	470.1	460.0	445.5	428.4	408.1	386.1	359.9	339.1
20°	515.6	517.2	508.6	501.7	489.9	474.9	460.0	438.0	417.2	388.3	361.0
22.5°	546.1	547.1	539.1	528.9	515.6	500.1	480.8	458.3	435.9	410.2	381.3
25°	572.3	571.2	557.8	543.4	530.6	514.0	495.3	473.3	451.9	424.1	396.8
27.5°	582.4	581.9	566.9	553.0	538.0	515.6	499.0	479.7	457.3	432.7	404.9
30°	569.6	578.2	568.5	558.4	540.2	517.7	501.7	478.7	457.8	433.7	402.2
32.5°	556.2	566.9	563.7	558.9	537.5	519.9	499.0	477.6	453.0	425.2	377.1
35°	541.2	552.5	553.0	547.7	528.4	510.8	491.5	469.0	441.2	388.8	353.5
37.5°	527.9	538.6	541.8	530.6	515.6	492.0	474.4	450.9	400.6	365.3	347.1
40°	517.7	525.7	530.6	512.9	497.9	474.9	454.6	413.4	368.0	355.7	330.0
42.5°	507.0	514.5	516.6	497.4	474.4	452.5	423.1	371.2	357.8	339.6	270.6
45°	480.3	489.4	484.0	465.3	448.2	425.2	381.3	358.9	344.4	269.0	166.3
47.5°	360.5	370.6	385.1	390.4	396.3	379.7	355.7	347.6	282.9	163.1	51.9
50°	318.8	317.2	317.2	319.8	324.6	330.0	336.9	293.1	170.1	50.8	0.0
52.5°	130.0	136.4	167.9	196.3	228.9	261.5	271.7	179.7	66.3	1.1	0.0
55°	16.0	16.0	22.5	38.5	63.6	102.7	115.5	57.8	4.8	0.0	0.0
57.5°	0.0	0.0	0.0	0.5	4.3	11.8	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°	140.7	140.7	140.7	140.7	140.7	140.7	140.7	140.7
2.5°	184.0	177.6	168.5	141.7	118.7	98.4	86.6	80.8
5°	235.3	219.8	199.0	141.2	96.3	64.2	48.1	42.3
7.5°	284.5	266.9	231.6	139.1	73.8	37.4	20.9	16.6
10°	305.9	293.1	261.5	135.8	53.5	17.6	17.6	18.2
12.5°	314.5	304.9	279.2	131.0	35.3	17.1	18.2	17.1
15°	320.4	311.3	287.7	125.7	20.3	17.6	14.4	12.8
17.5°	323.6	312.9	290.4	115.5	13.4	15.0	9.1	7.5
20°	333.7	316.6	292.6	103.8	12.8	10.2	4.8	3.7
22.5°	350.8	324.1	293.1	89.3	10.2	5.9	1.6	0.0
25°	366.4	334.3	294.7	70.6	3.2	1.6	0.0	0.0
27.5°	373.8	337.5	294.2	49.7	0.0	0.0	0.0	0.0
30°	364.8	329.5	289.3	31.0	0.0	0.0	0.0	0.0
32.5°	343.4	323.6	274.4	13.4	0.0	0.0	0.0	0.0
35°	336.4	310.7	240.1	1.6	0.0	0.0	0.0	0.0
37.5°	320.9	273.8	176.5	0.0	0.0	0.0	0.0	0.0
40°	276.0	197.9	84.0	0.0	0.0	0.0	0.0	0.0
42.5°	182.4	84.5	4.8	0.0	0.0	0.0	0.0	0.0
45°	64.2	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)