

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: P1310115

Luminaire Tested: LDSQA3D05R709035DE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

**Test Information**

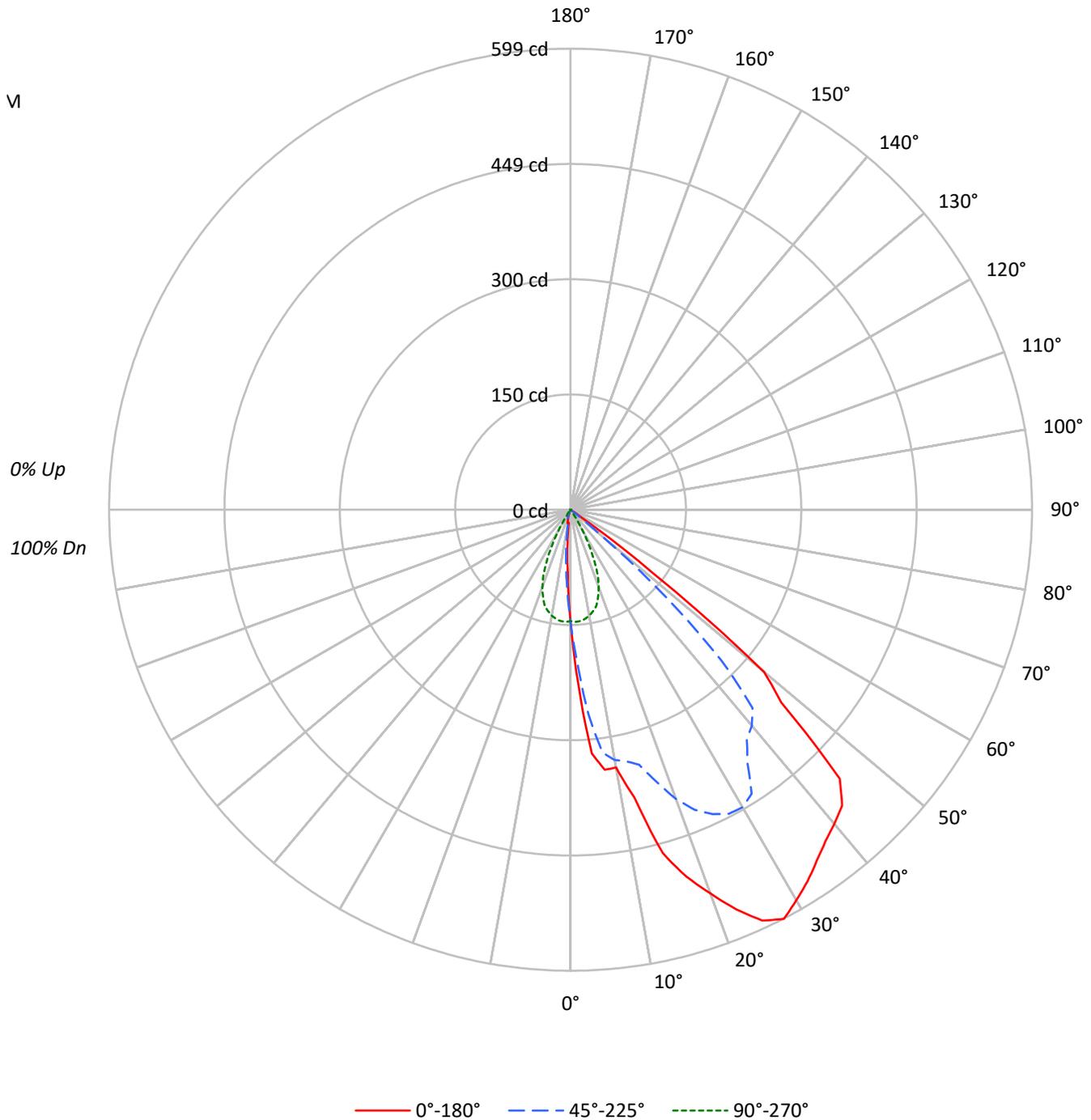
Test Method: LM-79-2019  
Report Number: P1310115  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-57)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R709035DE010 3LSQCA30R 1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , 3LSQCA30R 1MMS TRII  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 390.1 lumens  
Efficiency: N/A  
Efficacy: 54.2 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			
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	99	94	90	103	98	93	89	94	90	87	91	88	85	88	86	84	82		
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73		
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66		
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59		
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53		
7	74	63	56	50	73	62	55	50	61	55	50	59	54	50	58	53	49	48		
8	69	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43		
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39		
10	61	49	42	38	60	49	42	38	48	42	37	47	41	37	46	41	37	36		

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

	0°	45°	90°	135°	180°
0°	24921	24921	24921	24921	24921
5°	54993	46142	25120	11410	7520
10°	59477	57745	24448	3183	3270
15°	82320	61138	23054	3245	2354
20°	97228	73237	19574	1924	715
25°	111907	82928	13796	323	0
30°	116555	88754	6344	0	0
35°	117106	84119	357	0	0
40°	119762	82284	0	0	0
45°	120367	67417	0	0	0
50°	87881	14013	0	0	0
55°	4954	0	0	0	0
60°	0	207	207	0	0
65°	0	0	245	0	0
70°	0	302	302	0	0
75°	0	399	399	0	0
80°	0	595	595	595	0
85°	0	1186	1186	1186	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 5°  
 Vertical Angle: 45°  
 Luminance: 122657 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	15.8	4.1
10°-20°	52.9	13.6
20°-30°	95.0	24.4
30°-40°	115.5	29.6
40°-50°	89.2	22.9
50°-60°	20.8	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°	163.8	42.0
0°-40°	279.3	71.6
0°-60°	389.3	99.8
0°-90°	390.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	390.1	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	145	145	145	145	145	
5°	318	267	145	66	44	30
15°	462	343	129	18	13	129
25°	589	436	73	2	0	268
35°	557	400	2	0	0	350
45°	494	277	0	0	0	349
55°	16	0	0	0	0	68
65°	0	0	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	1	1	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°	144.7	144.7	144.7	144.7	144.7	144.7	144.7	144.7	144.7	144.7	144.7
2.5°	225.6	225.6	226.7	226.2	221.2	219.0	211.9	208.0	206.9	198.1	194.8
5°	318.1	318.7	315.9	315.4	309.8	306.0	299.9	290.6	281.2	266.9	254.3
7.5°	340.7	340.1	339.6	339.6	338.5	336.3	333.5	330.8	326.9	318.1	308.2
10°	340.1	340.1	339.6	339.6	339.0	339.6	339.0	337.4	335.7	330.2	324.7
12.5°	383.0	379.7	375.3	368.7	357.7	349.5	340.1	337.4	336.3	334.6	331.3
15°	461.7	459.0	449.6	438.1	427.1	408.4	393.5	373.1	357.2	342.9	335.7
17.5°	499.7	501.4	490.9	483.8	473.3	458.4	440.8	419.9	397.4	370.4	348.9
20°	530.5	532.2	523.4	516.2	504.1	488.7	473.3	450.7	429.3	399.6	371.5
22.5°	561.9	563.0	554.8	544.3	530.5	514.6	494.8	471.7	448.5	422.1	392.4
25°	588.9	587.8	574.0	559.2	545.9	528.9	509.6	487.1	465.0	436.4	408.4
27.5°	599.3	598.8	583.4	569.1	553.7	530.5	513.5	493.7	470.6	445.2	416.6
30°	586.1	594.9	585.0	574.6	555.9	532.7	516.2	492.6	471.1	446.3	413.9
32.5°	572.4	583.4	580.1	575.1	553.1	534.9	513.5	491.5	466.1	437.5	388.0
35°	557.0	568.5	569.1	563.6	543.7	525.6	505.8	482.7	454.0	400.1	363.8
37.5°	543.2	554.2	557.5	545.9	530.5	506.3	488.2	463.9	412.2	375.9	357.2
40°	532.7	541.0	545.9	527.8	512.4	488.7	467.8	425.4	378.6	366.0	339.6
42.5°	521.7	529.4	531.6	511.8	488.2	465.6	435.3	381.9	368.2	349.5	278.5
45°	494.2	503.6	498.1	478.8	461.2	437.5	392.4	369.3	354.4	276.8	171.2
47.5°	370.9	381.4	396.3	401.8	407.8	390.8	366.0	357.7	291.1	167.9	53.4
50°	328.0	326.4	326.4	329.1	334.1	339.6	346.7	301.6	175.0	52.3	0.0
52.5°	133.7	140.3	172.8	202.0	235.6	269.1	279.6	184.9	68.2	1.1	0.0
55°	16.5	16.5	23.1	39.6	65.5	105.7	118.9	59.4	5.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.6	4.4	12.1	8.3	2.2	0.6	0.6	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
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	0.6	0.6
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
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°	144.7	144.7	144.7	144.7	144.7	144.7	144.7	144.7
2.5°	189.3	182.7	173.4	145.8	122.2	101.3	89.2	83.1
5°	242.2	226.2	204.7	145.3	99.1	66.0	49.5	43.5
7.5°	292.8	274.6	238.3	143.1	75.9	38.5	21.5	17.1
10°	314.8	301.6	269.1	139.8	55.0	18.2	18.2	18.7
12.5°	323.6	313.7	287.3	134.8	36.3	17.6	18.7	17.6
15°	329.7	320.3	296.1	129.3	20.9	18.2	14.9	13.2
17.5°	333.0	322.0	298.8	118.9	13.8	15.4	9.4	7.7
20°	343.4	325.8	301.0	106.8	13.2	10.5	5.0	3.9
22.5°	361.0	333.5	301.6	91.9	10.5	6.1	1.7	0.0
25°	377.0	344.0	303.2	72.6	3.3	1.7	0.0	0.0
27.5°	384.7	347.3	302.7	51.2	0.0	0.0	0.0	0.0
30°	375.3	339.0	297.7	31.9	0.0	0.0	0.0	0.0
32.5°	353.3	333.0	282.3	13.8	0.0	0.0	0.0	0.0
35°	346.2	319.8	247.1	1.7	0.0	0.0	0.0	0.0
37.5°	330.2	281.8	181.6	0.0	0.0	0.0	0.0	0.0
40°	284.0	203.6	86.4	0.0	0.0	0.0	0.0	0.0
42.5°	187.7	87.0	5.0	0.0	0.0	0.0	0.0	0.0
45°	66.0	5.5	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°	0.6	0.6	0.6	0.6	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	0.6	0.6	0.0	0.0	0.0	0.0
67.5°	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0
70°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
72.5°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
75°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
77.5°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
80°	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.0
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.0
85°	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.0
87.5°	0.6	0.6	0.6	0.6	0.6	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)