

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: P1317250

Luminaire Tested: LDSQA3D05R609827DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317250  
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: LDSQA3D05R609827DE010 3LSQCA30R 1MB  
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 98CRI , 3LSQCA30R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

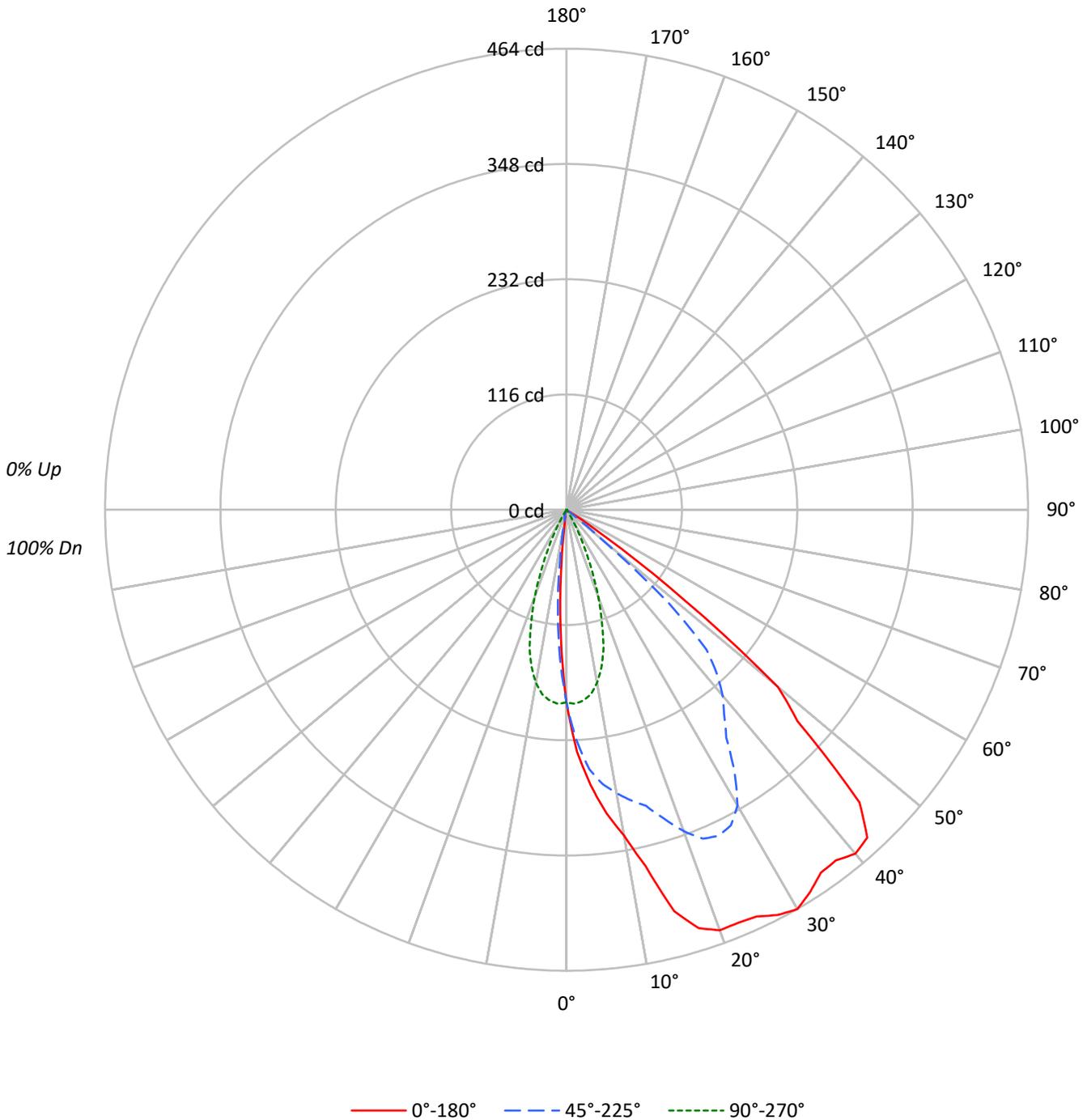
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 314.9 lumens  
Efficiency: N/A  
Efficacy: 43.7 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): 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	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	100	95	91	103	98	93	90	95	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	70	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°	33377	33377	33377	33377	33377
5°	48113	45312	33331	17167	11030
10°	58200	50663	30936	2046	1207
15°	74582	55023	25639	1355	1105
20°	82547	63083	17191	751	128
25°	85854	68809	8456	57	0
30°	92313	68370	2327	0	0
35°	93748	58869	0	0	0
40°	101574	54901	0	0	0
45°	101467	48468	0	0	0
50°	74297	11735	0	0	0
55°	14503	0	0	0	0
60°	0	0	0	0	0
65°	0	122	122	0	0
70°	0	151	151	0	0
75°	0	200	200	0	0
80°	0	298	298	298	0
85°	0	593	593	593	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 5°  
 Vertical Angle: 45°  
 Luminance: 101637 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16.6	5.3
10°-20°	47.4	15.1
20°-30°	75.5	24.0
30°-40°	87.3	27.7
40°-50°	69.3	22.0
50°-60°	18.2	5.8
60°-70°	0.1	0.0
70°-80°	0.2	0.1
80°-90°	0.2	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°	139.6	44.3
0°-40°	226.9	72.0
0°-60°	314.5	99.9
0°-90°	314.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	314.9	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	194	194	194	194	194	
5°	278	262	193	99	64	28
15°	418	309	144	8	6	117
25°	452	362	44	0	0	211
35°	446	280	0	0	0	283
45°	417	199	0	0	0	297
55°	48	0	0	0	0	73
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°	193.8	193.8	193.8	193.8	193.8	193.8	193.8	193.8	193.8	193.8	193.8
2.5°	243.8	246.2	245.2	244.2	241.7	240.7	240.7	237.9	233.5	232.8	229.7
5°	278.3	279.0	279.0	278.3	276.6	273.8	273.1	270.4	266.2	262.1	258.0
7.5°	308.3	308.0	305.9	304.5	301.4	297.6	294.2	290.4	284.2	278.6	272.8
10°	332.8	333.8	332.1	328.6	324.5	319.3	313.8	307.3	298.0	289.7	282.1
12.5°	367.3	366.9	362.4	356.6	346.6	336.9	328.3	321.1	309.7	299.7	290.4
15°	418.3	417.6	413.5	408.3	393.8	379.3	364.5	344.2	325.2	308.6	295.5
17.5°	441.4	442.8	439.3	436.6	428.3	418.7	405.5	385.2	355.9	325.9	298.3
20°	450.4	452.1	449.7	449.3	445.6	441.1	430.4	408.3	379.7	344.2	310.0
22.5°	450.0	451.4	450.4	454.9	459.3	456.9	443.8	421.8	392.4	358.3	319.7
25°	451.8	450.7	446.9	453.5	460.0	458.0	451.4	432.4	400.4	362.1	323.1
27.5°	459.7	452.1	444.5	452.8	455.9	456.6	452.8	430.4	399.0	358.0	316.2
30°	464.2	455.9	449.7	456.6	456.6	460.4	452.4	426.9	387.3	343.8	298.0
32.5°	455.9	454.2	459.7	466.6	468.3	468.3	450.7	415.5	367.6	314.9	268.6
35°	445.9	450.0	465.9	469.0	469.0	461.4	440.0	395.5	338.3	280.0	246.9
37.5°	444.9	451.4	469.0	465.2	459.0	444.9	413.8	360.7	296.6	260.4	230.7
40°	451.8	458.0	468.3	454.5	439.7	417.6	380.4	315.2	271.4	244.2	211.1
42.5°	447.6	453.5	453.8	433.5	412.4	382.4	333.1	278.3	253.1	223.5	188.6
45°	416.6	417.3	415.9	394.2	372.4	341.4	289.0	260.0	233.1	199.0	138.6
47.5°	314.9	313.5	318.6	312.4	313.5	294.9	262.4	238.6	206.6	139.7	42.1
50°	277.3	275.5	270.4	264.8	259.3	250.4	235.2	209.7	149.0	43.8	1.4
52.5°	148.6	156.9	173.1	197.9	207.3	206.6	195.2	155.2	46.9	0.3	0.0
55°	48.3	47.6	53.1	62.8	86.2	99.3	103.5	52.8	1.0	0.0	0.0
57.5°	0.0	0.0	0.0	1.0	3.4	9.0	11.7	0.7	0.0	0.3	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3
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°	193.8	193.8	193.8	193.8	193.8	193.8	193.8	193.8
2.5°	225.5	220.7	215.2	195.5	172.4	150.0	133.8	129.7
5°	251.4	243.1	231.4	192.8	142.4	99.3	71.0	63.8
7.5°	264.8	257.6	245.2	187.3	110.4	49.0	18.3	12.4
10°	273.1	264.5	250.7	176.9	72.1	11.7	6.6	6.9
12.5°	279.0	269.0	253.5	162.1	36.6	5.9	8.3	8.6
15°	281.4	270.7	253.1	143.8	13.1	7.6	7.2	6.2
17.5°	280.0	266.6	248.6	117.6	4.5	7.2	3.8	3.1
20°	278.3	263.1	241.4	93.8	3.8	4.1	1.4	0.7
22.5°	283.8	257.3	231.4	67.2	3.8	1.4	0.0	0.0
25°	284.5	254.8	218.6	44.5	1.7	0.3	0.0	0.0
27.5°	277.6	240.7	199.0	26.2	0.0	0.0	0.0	0.0
30°	255.5	223.1	177.9	11.7	0.0	0.0	0.0	0.0
32.5°	233.8	203.5	154.5	2.8	0.0	0.0	0.0	0.0
35°	216.6	183.1	128.6	0.0	0.0	0.0	0.0	0.0
37.5°	195.2	159.0	95.9	0.0	0.0	0.0	0.0	0.0
40°	172.8	128.3	47.9	0.0	0.0	0.0	0.0	0.0
42.5°	134.8	61.0	4.8	0.0	0.0	0.0	0.0	0.0
45°	51.7	5.5	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	2.8	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°	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0
65°	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0
67.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0
70°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0
72.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0
75°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0
77.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0
80°	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0
82.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0
85°	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0
87.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)