

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: P1315183

Luminaire Tested: LDSQA3D02R559735DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315183  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-66)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R559735DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

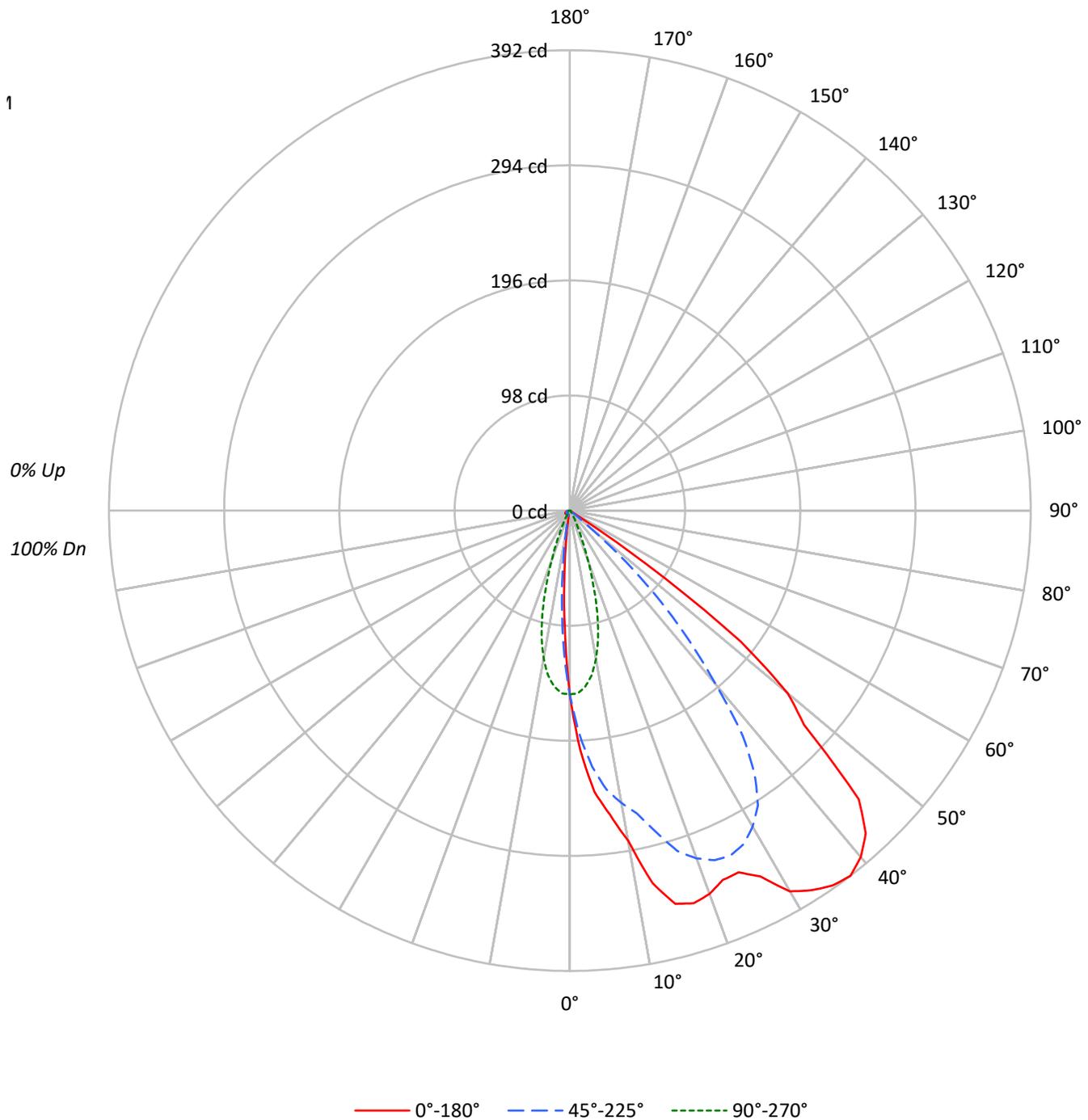
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 261.1 lumens  
Efficiency: N/A  
Efficacy: 72.5 lumens/watt  
Spacing Criteria (0/90/45): 1.79 / 0.55 / 1.22  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 3.6  
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				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	100	98	99	97	95	95	94	93	93	93	93	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	83	83	83	81
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	75	75	75	73
4	91	82	75	70	89	81	75	70	79	73	69	77	72	68	75	71	67	67	67	67	65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	61	61	61	59
6	80	69	62	56	78	68	61	56	66	60	56	65	59	55	63	59	55	55	55	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	50	50	50	48
8	70	58	51	46	68	58	51	46	57	50	46	55	50	46	54	49	45	45	45	45	44
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	41	41	41	40
10	62	50	43	39	61	50	43	38	49	43	38	48	42	38	47	42	38	38	38	38	37

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

	0°	45°	90°	135°	180°
0°	26936	26936	26936	26936	26936
5°	41543	37826	26019	13364	8782
10°	49911	44210	22402	3375	1347
15°	61798	50494	16011	927	731
20°	63652	57750	8266	623	623
25°	64571	61531	3325	551	646
30°	74435	61807	1452	577	676
35°	81932	57628	610	610	757
40°	86556	43368	360	719	809
45°	84661	26499	341	779	999
50°	64759	5653	375	911	1152
55°	23751	210	420	1021	1291
60°	241	241	482	1171	1481
65°	285	285	571	1182	1589
70°	252	352	554	1360	1813
75°	133	333	599	1530	2129
80°	198	496	694	1587	2281
85°	0	395	988	1778	2174

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 84661 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.8	5.3
10°-20°	39.4	15.1
20°-30°	60.5	23.2
30°-40°	70.5	27.0
40°-50°	56.3	21.6
50°-60°	16.7	6.4
60°-70°	1.8	0.7
70°-80°	1.4	0.5
80°-90°	0.6	0.2
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°	113.7	43.6
0°-40°	184.2	70.6
0°-60°	257.2	98.5
0°-90°	261.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	261.1	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	156	156	156	156	156	
5°	240	219	150	77	51	24
15°	347	283	90	5	4	96
25°	340	324	18	3	3	161
35°	390	274	3	3	4	243
45°	348	109	1	3	4	251
55°	79	1	1	3	4	84
65°	1	1	1	3	4	1
75°	0	0	1	2	3	0
85°	0	0	0	1	1	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°	156.4	156.4	156.4	156.4	156.4	156.4	156.4	156.4	156.4	156.4	156.4
2.5°	204.0	204.0	203.4	203.6	203.1	200.6	200.2	197.0	194.3	191.3	188.9
5°	240.3	240.8	240.1	238.7	236.9	235.1	231.3	228.3	224.4	218.8	213.6
7.5°	261.0	260.5	259.4	258.9	257.8	255.7	253.0	249.8	245.3	239.6	233.5
10°	285.4	281.6	280.4	278.6	275.0	270.9	266.2	261.9	258.0	252.8	246.2
12.5°	324.9	324.2	319.7	316.3	311.3	302.2	294.1	284.5	273.2	264.1	255.5
15°	346.6	347.1	345.1	342.3	339.2	331.7	323.5	312.4	299.0	283.2	269.1
17.5°	350.5	351.2	350.1	348.9	348.0	343.7	338.7	330.8	318.5	303.8	282.9
20°	347.3	348.7	348.9	350.3	352.1	350.3	346.2	340.8	330.6	315.1	295.2
22.5°	340.3	342.8	344.6	349.4	354.1	354.1	351.6	347.3	337.4	322.2	301.8
25°	339.8	340.3	341.0	348.7	356.2	357.8	355.5	351.0	340.1	323.8	301.5
27.5°	351.2	348.2	343.7	351.4	360.3	361.6	358.4	352.3	339.4	320.1	293.8
30°	374.3	367.7	358.2	363.9	370.0	368.4	362.1	352.3	334.9	310.8	279.3
32.5°	383.2	379.5	376.1	382.2	383.4	376.8	365.5	351.0	327.6	297.7	255.5
35°	389.7	390.0	388.6	389.7	384.3	375.0	362.5	343.5	314.0	274.1	224.0
37.5°	392.0	392.4	389.5	385.4	377.3	366.6	351.6	329.9	291.3	241.7	176.4
40°	385.0	383.6	378.8	373.2	364.3	353.5	337.1	304.7	257.6	192.9	137.6
42.5°	372.5	370.2	364.6	357.8	348.5	334.6	308.6	269.3	209.3	150.5	96.4
45°	347.6	346.0	338.9	334.0	322.8	304.9	271.4	222.0	161.9	108.8	55.8
47.5°	270.0	270.2	275.7	278.2	274.3	260.0	220.6	168.7	118.1	64.8	18.8
50°	241.7	240.5	235.1	227.6	215.2	193.8	161.9	119.3	69.8	21.1	2.7
52.5°	183.4	183.4	180.7	176.8	163.7	143.1	109.5	66.0	24.5	3.6	0.7
55°	79.1	75.0	77.3	81.6	78.2	68.0	51.2	19.7	4.3	0.7	0.7
57.5°	1.1	2.7	4.1	6.6	8.8	10.7	5.7	2.0	0.7	0.7	0.7
60°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
62.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
65°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
67.5°	0.5	0.5	0.5	0.7	0.5	0.7	0.7	0.7	0.7	0.7	0.7
70°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.7	0.7
72.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
75°	0.2	0.2	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
77.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.5	0.5	0.5	0.5
80°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.5	0.5
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2
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°	156.4	156.4	156.4	156.4	156.4	156.4	156.4	156.4
2.5°	185.2	181.4	175.0	155.8	135.8	117.4	104.3	99.3
5°	207.7	200.6	190.0	150.5	110.9	77.3	58.3	50.8
7.5°	225.4	216.3	200.9	141.5	81.4	41.3	24.7	19.5
10°	237.1	227.2	207.0	128.1	54.0	19.3	9.3	7.7
12.5°	245.8	233.3	209.3	110.9	31.7	8.8	5.0	4.5
15°	252.1	236.0	206.5	89.8	17.5	5.2	4.1	4.1
17.5°	261.0	237.4	200.0	66.2	10.0	3.9	3.9	3.9
20°	267.8	237.4	187.5	45.1	6.1	3.4	3.4	3.4
22.5°	271.2	233.7	172.3	28.6	4.3	3.2	3.4	3.4
25°	267.8	224.9	152.8	17.5	3.4	2.9	3.2	3.4
27.5°	255.3	207.2	126.7	11.1	2.7	2.9	3.2	3.4
30°	234.4	181.6	97.3	7.3	2.5	2.9	3.2	3.4
32.5°	205.0	143.5	63.0	4.8	2.3	2.9	3.2	3.4
35°	160.1	101.6	38.1	2.9	2.3	2.9	3.4	3.6
37.5°	119.9	67.8	20.6	1.8	2.3	2.9	3.4	3.6
40°	83.2	39.4	8.8	1.6	2.3	3.2	3.6	3.6
42.5°	48.3	15.6	2.3	1.4	2.3	3.2	3.6	3.9
45°	17.7	3.2	0.7	1.4	2.5	3.2	3.6	4.1
47.5°	2.5	0.7	0.7	1.4	2.5	3.2	3.9	4.1
50°	0.7	0.7	0.7	1.4	2.5	3.4	4.1	4.3
52.5°	0.7	0.7	0.7	1.4	2.5	3.4	4.1	4.3
55°	0.7	0.7	0.7	1.4	2.5	3.4	4.1	4.3
57.5°	0.7	0.7	0.7	1.4	2.5	3.4	4.1	4.3
60°	0.7	0.7	0.7	1.4	2.3	3.4	4.1	4.3
62.5°	0.7	0.7	0.7	1.4	2.3	3.2	3.9	4.1
65°	0.7	0.7	0.7	1.4	2.0	2.9	3.9	3.9
67.5°	0.7	0.7	0.7	1.1	2.0	2.9	3.6	3.9
70°	0.7	0.7	0.7	1.1	1.8	2.7	3.4	3.6
72.5°	0.7	0.7	0.7	0.9	1.6	2.5	3.2	3.4
75°	0.5	0.7	0.7	0.9	1.6	2.3	2.9	3.2
77.5°	0.5	0.7	0.7	0.7	1.4	1.8	2.5	2.7
80°	0.5	0.5	0.7	0.7	1.1	1.6	2.0	2.3
82.5°	0.5	0.5	0.5	0.7	0.9	1.1	1.6	1.6
85°	0.5	0.5	0.5	0.5	0.7	0.9	1.1	1.1
87.5°	0.2	0.2	0.5	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

(END OF REPORT)