

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: P1315795

Luminaire Tested: LDSQA3D17R409735DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315795  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-64)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R409735DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

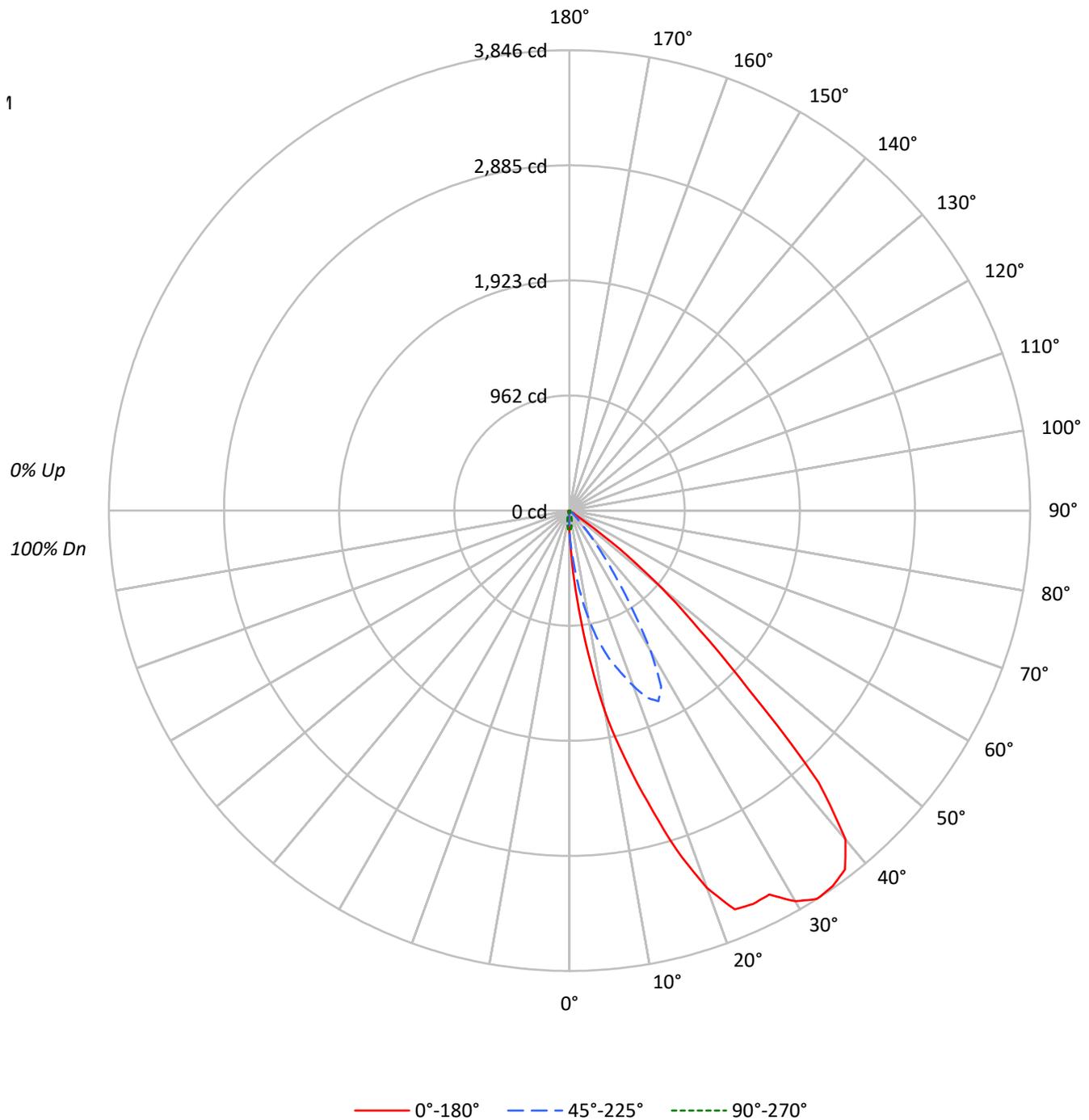
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1419.0 lumens  
Efficiency: N/A  
Efficacy: 66.9 lumens/watt  
Spacing Criteria (0/90/45): 2.53 / 0.42 / 1.24  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.2  
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	104	110	107	104	102	103	101	99	99	97	96	96	94	93	96	94	93	91
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	89	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	82	79	76	74
4	92	83	77	71	90	82	76	71	80	74	70	78	73	69	76	72	68	76	72	68	67
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	70	65	62	60
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	60	56	64	60	56	54
7	75	64	57	52	74	63	56	51	62	56	51	61	55	51	59	54	51	59	54	51	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	55	50	46	44
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	51	46	42	40
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	47	42	38	37

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

	0°	45°	90°	135°	180°
0°	28916	28916	28916	28916	28916
5°	130421	83138	25915	9958	7261
10°	299079	160662	18240	3568	2728
15°	448847	227954	11340	1926	1712
20°	614578	285745	6598	1100	1320
25°	688942	333877	3420	912	1140
30°	749365	269503	1432	716	1193
35°	805365	137921	505	1009	1514
40°	805645	55014	270	1079	1888
45°	514398	18413	585	1754	2630
50°	267020	2251	965	2251	3215
55°	23060	360	1081	2883	3963
60°	827	413	1240	3307	4547
65°	978	489	1956	3423	4890
70°	604	604	2417	3626	4834
75°	799	799	2396	3993	5590
80°	1190	1190	3570	3570	4761
85°	0	2371	7114	4742	4742

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 514398 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	32.7	2.3
10°-20°	192.1	13.5
20°-30°	420.6	29.6
30°-40°	479.2	33.8
40°-50°	252.8	17.8
50°-60°	29.8	2.1
60°-70°	5.4	0.4
70°-80°	4.4	0.3
80°-90°	2.0	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°	645.4	45.5
0°-40°	1124.6	79.3
0°-60°	1407.2	99.2
0°-90°	1419.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1419.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	168	168	168	168	168	
5°	754	481	150	58	42	102
15°	2517	1278	64	11	10	742
25°	3626	1757	18	5	6	1670
35°	3831	656	2	5	7	2374
45°	2112	76	2	7	11	1703
55°	77	1	4	10	13	238
65°	2	1	5	8	12	2
75°	1	1	4	6	8	1
85°	0	1	4	2	2	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	167.9	167.9	167.9	167.9	167.9	167.9	167.9	167.9	167.9	167.9	167.9
2.5°	374.2	374.2	373.0	362.2	361.0	359.8	340.6	335.8	313.0	297.4	226.7
5°	754.4	737.6	736.4	717.2	684.8	641.6	614.0	569.7	526.5	480.9	279.4
7.5°	1201.7	1216.1	1176.5	1156.1	1084.2	1032.6	953.5	883.9	786.7	695.6	322.6
10°	1710.2	1685.0	1645.5	1605.9	1527.9	1435.6	1318.0	1194.5	1054.2	918.7	346.6
12.5°	2107.2	2074.8	2050.8	1996.9	1920.1	1801.4	1661.0	1495.5	1309.7	1114.2	345.4
15°	2517.4	2485.0	2431.0	2383.0	2269.1	2136.0	1983.7	1765.4	1537.5	1278.5	320.2
17.5°	2968.3	2926.3	2866.4	2793.2	2682.9	2535.3	2342.3	2076.0	1753.4	1412.8	274.6
20°	3353.3	3328.1	3268.1	3181.8	3073.8	2929.9	2706.9	2411.8	2018.4	1559.1	218.3
22.5°	3605.1	3582.3	3541.6	3466.0	3384.5	3231.0	3027.1	2703.3	2240.3	1692.2	165.5
25°	3625.5	3615.9	3605.1	3580.0	3530.8	3421.6	3222.6	2873.6	2378.2	1757.0	122.3
27.5°	3614.7	3611.1	3608.7	3595.5	3563.2	3455.2	3251.3	2898.7	2360.2	1656.3	89.9
30°	3768.2	3757.4	3751.5	3708.3	3623.1	3456.4	3190.2	2763.2	2097.6	1355.2	64.8
32.5°	3846.2	3843.8	3837.8	3795.8	3675.9	3458.8	3087.0	2435.8	1663.4	978.6	44.4
35°	3830.6	3818.6	3797.0	3719.1	3552.4	3280.1	2753.6	1945.3	1200.5	656.0	28.8
37.5°	3777.8	3750.3	3708.3	3568.0	3346.1	2974.3	2233.1	1432.0	816.7	424.6	16.8
40°	3583.5	3546.4	3480.4	3308.9	3017.5	2451.4	1651.5	967.8	536.1	244.7	4.8
42.5°	3081.0	3033.1	2985.1	2793.2	2459.8	1827.8	1086.6	598.5	305.8	134.3	1.2
45°	2112.0	2052.0	1986.1	1846.9	1579.5	1107.0	646.4	337.0	158.3	75.6	1.2
47.5°	1466.8	1439.2	1324.0	1146.5	879.1	586.5	334.6	165.5	84.0	34.8	1.2
50°	996.6	965.4	831.1	659.6	467.7	280.6	153.5	82.8	37.2	8.4	1.2
52.5°	522.9	484.5	399.4	304.6	189.5	117.5	67.2	36.0	10.8	1.2	1.2
55°	76.8	70.8	57.6	46.8	42.0	32.4	19.2	8.4	1.2	1.2	2.4
57.5°	2.4	2.4	2.4	2.4	3.6	3.6	2.4	1.2	1.2	1.2	2.4
60°	2.4	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2	2.4
62.5°	2.4	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2	2.4
65°	2.4	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2	2.4
67.5°	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2	2.4	3.6
70°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.6
72.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4	3.6
75°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.6
77.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4	3.6
80°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4
82.5°	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	3.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	2.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	2.4
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):**

	90°	112.5°	135°	157.5°	180°
0°	167.9	167.9	167.9	167.9	167.9
2.5°	165.5	122.3	94.7	81.6	80.4
5°	149.9	87.5	57.6	44.4	42.0
7.5°	127.1	61.2	33.6	24.0	22.8
10°	104.3	42.0	20.4	16.8	15.6
12.5°	82.8	27.6	14.4	13.2	12.0
15°	63.6	18.0	10.8	9.6	9.6
17.5°	48.0	12.0	8.4	8.4	8.4
20°	36.0	8.4	6.0	7.2	7.2
22.5°	25.2	6.0	4.8	6.0	6.0
25°	18.0	4.8	4.8	6.0	6.0
27.5°	12.0	3.6	3.6	4.8	6.0
30°	7.2	2.4	3.6	4.8	6.0
32.5°	3.6	2.4	3.6	6.0	6.0
35°	2.4	3.6	4.8	6.0	7.2
37.5°	1.2	3.6	4.8	7.2	7.2
40°	1.2	3.6	4.8	7.2	8.4
42.5°	2.4	4.8	6.0	8.4	9.6
45°	2.4	4.8	7.2	9.6	10.8
47.5°	2.4	4.8	8.4	10.8	10.8
50°	3.6	6.0	8.4	10.8	12.0
52.5°	3.6	6.0	8.4	12.0	13.2
55°	3.6	6.0	9.6	12.0	13.2
57.5°	3.6	7.2	9.6	12.0	13.2
60°	3.6	6.0	9.6	12.0	13.2
62.5°	4.8	6.0	8.4	12.0	12.0
65°	4.8	6.0	8.4	12.0	12.0
67.5°	4.8	6.0	8.4	10.8	10.8
70°	4.8	6.0	7.2	9.6	9.6
72.5°	4.8	6.0	7.2	8.4	9.6
75°	3.6	4.8	6.0	7.2	8.4
77.5°	3.6	4.8	4.8	7.2	7.2
80°	3.6	3.6	3.6	4.8	4.8
82.5°	3.6	3.6	2.4	3.6	3.6
85°	3.6	2.4	2.4	2.4	2.4
87.5°	2.4	2.4	1.2	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)