

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: P1314772

Luminaire Tested: LDSQA3D17R259730DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1314772  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R259730DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

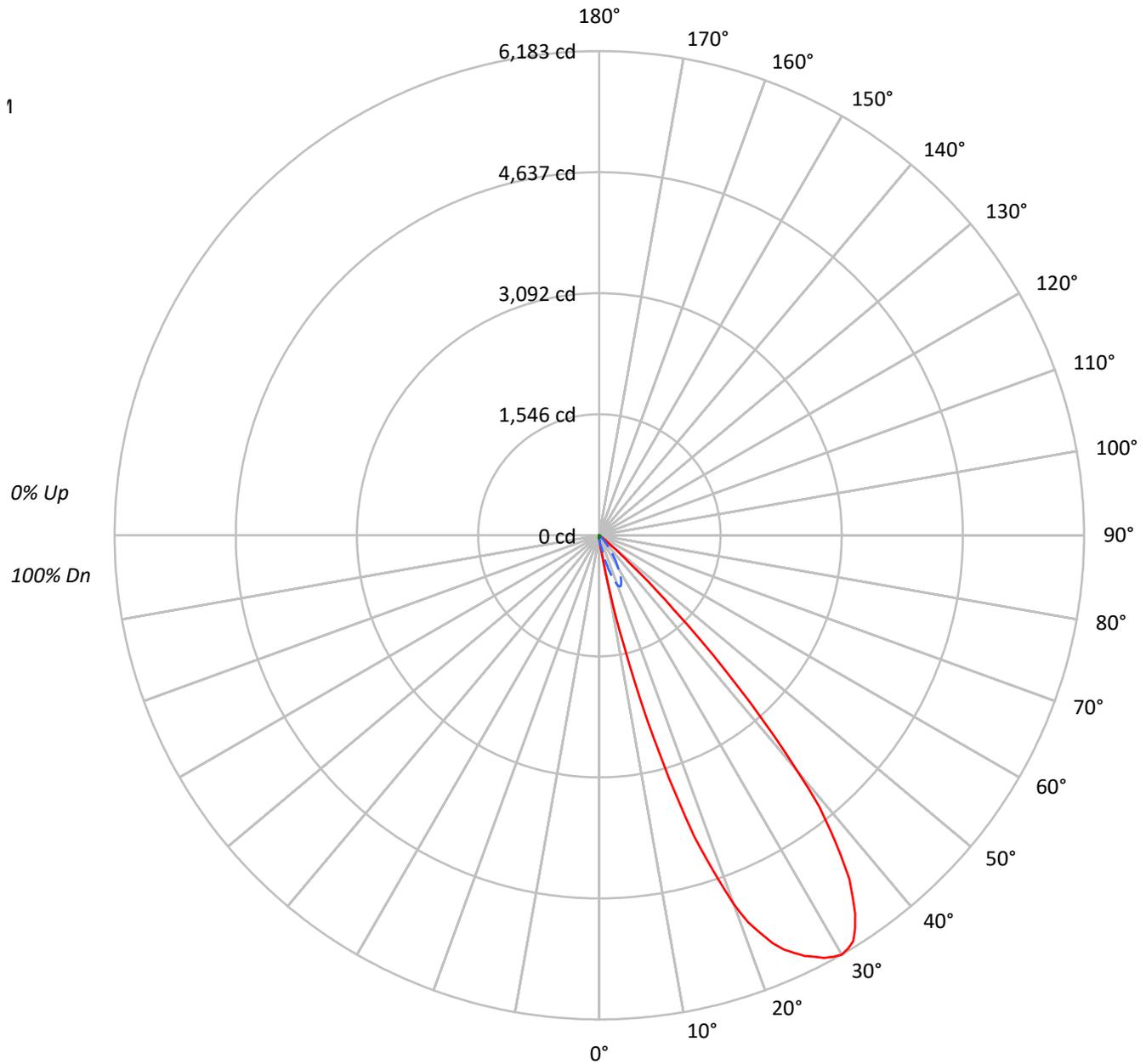
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1237.1 lumens  
Efficiency: N/A  
Efficacy: 58.4 lumens/watt  
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27  
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



— 0°-180°    - - - 45°-225°    ····· 90°-270°



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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	100	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92	92	92
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83	83	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75	75	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68	68	68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61	61	61
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	55	55	55
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	50	50	50
8	71	60	52	48	70	59	52	47	58	52	47	57	51	47	56	51	47	45	45	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	41	41	41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37	37	37

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

	0°	45°	90°	135°	180°
0°	9145	9145	9145	9145	9145
5°	22941	16960	8575	4391	3388
10°	100311	28855	7065	2011	1417
15°	477001	77791	4939	820	624
20°	918229	124591	3171	220	220
25°	1118288	125665	1748	0	0
30°	1229526	96171	696	0	0
35°	1184857	61139	252	0	0
40°	885321	26461	0	0	270
45°	327758	7039	292	292	852
50°	38662	938	616	616	1232
55°	3813	0	691	1051	1742
60°	413	0	1206	1584	1998
65°	489	489	1875	2364	2812
70°	604	604	2316	2316	3474
75°	799	799	2329	2329	3061
80°	0	1190	3471	2281	3471
85°	0	2371	6916	2371	2371

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 327758 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.7	0.6
10°-20°	144.2	11.7
20°-30°	452.7	36.6
30°-40°	476.5	38.5
40°-50°	140.0	11.3
50°-60°	7.5	0.6
60°-70°	3.7	0.3
70°-80°	3.2	0.3
80°-90°	1.6	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°	604.6	48.9
0°-40°	1081.1	87.4
0°-60°	1228.6	99.3
0°-90°	1237.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1237.1	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	53	53	53	53	53	
5°	133	98	50	25	20	24
15°	2675	436	28	5	4	843
25°	5885	661	9	0	0	2699
35°	5636	291	1	0	0	3401
45°	1346	29	1	1	4	1223
55°	13	0	2	4	6	32
65°	1	1	5	6	7	1
75°	1	1	4	4	5	1
85°	0	1	4	1	1	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
2.5°	81.9	83.1	79.6	81.9	79.6	78.5	77.3	71.6	62.3	53.1	43.9
5°	132.7	132.7	127.0	125.8	123.5	118.9	114.3	98.1	70.4	49.6	34.6
7.5°	207.7	206.6	204.3	198.5	187.0	175.4	163.9	128.1	77.3	46.2	26.5
10°	573.6	565.5	555.1	492.8	422.4	360.1	305.8	165.0	83.1	40.4	19.6
12.5°	1425.4	1379.2	1269.6	1144.9	985.6	818.3	654.4	268.9	85.4	33.5	13.8
15°	2675.3	2579.5	2408.7	2159.4	1833.9	1468.1	1156.4	436.3	83.1	27.7	10.4
17.5°	4039.5	3947.1	3710.5	3332.0	2853.0	2291.0	1739.3	578.2	77.3	23.1	6.9
20°	5010.1	4912.0	4690.4	4288.8	3770.6	3021.5	2289.8	679.8	72.7	17.3	3.5
21°	5294.0	5195.9	4961.6	4573.8	4029.1	3277.7	2466.4	697.1	69.2	15.0	2.3
22°	5474.1	5416.4	5164.8	4788.5	4233.4	3483.2	2617.6	705.2	66.9	13.8	2.3
23°	5655.3	5568.7	5333.3	4936.2	4389.2	3635.5	2729.5	699.4	64.6	11.5	1.2
24°	5789.1	5716.4	5442.9	5050.5	4497.7	3729.0	2795.3	684.4	61.2	10.4	1.2
25°	5884.9	5818.0	5532.9	5127.8	4570.4	3779.8	2816.1	661.3	57.7	9.2	1.2
26°	5976.1	5903.4	5608.0	5172.8	4608.5	3796.0	2796.5	635.9	54.2	8.1	0.0
27°	6041.9	5968.0	5659.9	5199.4	4610.8	3776.3	2743.4	601.3	50.8	6.9	0.0
28°	6112.3	6026.9	5695.7	5214.4	4596.9	3730.2	2667.2	564.4	48.5	5.8	0.0
29°	6155.0	6074.2	5732.6	5230.5	4568.1	3652.8	2556.4	520.5	42.7	3.5	0.0
30°	6182.7	6086.9	5729.1	5213.2	4530.0	3569.7	2423.7	483.6	36.9	3.5	0.0
31°	6159.6	6059.2	5692.2	5164.8	4468.8	3461.3	2287.5	437.4	30.0	2.3	0.0
32°	6110.0	5991.1	5627.6	5080.5	4359.2	3321.6	2146.7	399.3	21.9	2.3	0.0
33°	5988.8	5888.4	5511.0	4967.4	4216.1	3132.3	1963.2	362.4	15.0	1.2	0.0
34°	5836.5	5736.1	5351.7	4816.2	4024.5	2887.6	1740.4	324.3	12.7	1.2	0.0
35°	5635.6	5536.4	5171.7	4605.0	3770.6	2593.3	1510.8	290.8	10.4	1.2	0.0
36°	5424.4	5292.9	4944.3	4379.9	3430.1	2258.6	1264.9	252.8	8.1	1.2	0.0
37°	5114.0	5025.1	4638.5	4037.2	3061.9	1937.8	1086.0	218.1	5.8	1.2	0.0
38°	4792.0	4710.0	4332.6	3692.1	2651.1	1620.4	909.5	184.7	4.6	0.0	0.0
39°	4459.6	4323.4	3950.6	3250.0	2220.6	1357.3	765.2	154.7	2.3	0.0	0.0
40°	3937.9	3834.0	3435.9	2719.1	1837.4	1099.9	652.1	117.7	2.3	0.0	0.0
42.5°	2610.7	2513.7	2095.9	1475.0	976.4	642.9	430.5	46.2	0.0	1.2	0.0
45°	1345.7	1284.6	1043.3	772.1	554.0	394.7	277.0	28.9	0.0	1.2	1.2
47.5°	534.4	524.0	473.2	408.6	315.1	234.3	151.2	12.7	0.0	1.2	1.2
50°	144.3	145.4	136.2	125.8	114.3	107.3	63.5	3.5	0.0	2.3	1.2
52.5°	61.2	62.3	60.0	56.6	50.8	38.1	25.4	1.2	1.2	2.3	2.3
55°	12.7	13.8	15.0	16.2	18.5	16.2	10.4	0.0	1.2	2.3	2.3
57.5°	2.3	2.3	2.3	2.3	3.5	3.5	2.3	0.0	1.2	2.3	3.5
60°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	2.3	3.5	3.5
62.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.3	3.5	4.6
65°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.3	4.6	4.6
67.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.5	4.6	4.6
70°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.5	4.6	4.6
72.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.5	4.6	3.5
75°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.5	3.5	3.5
77.5°	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	2.3	3.5	3.5
80°	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	2.3	3.5	2.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	2.3	3.5	2.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.3	3.5	2.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.3	3.5	2.3
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):**

	135°	157.5°	180°
0°	53.1	53.1	53.1
2.5°	36.9	33.5	32.3
5°	25.4	21.9	19.6
7.5°	17.3	13.8	12.7
10°	11.5	9.2	8.1
12.5°	8.1	4.6	4.6
15°	4.6	3.5	3.5
17.5°	2.3	1.2	1.2
20°	1.2	1.2	1.2
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	1.2
39°	0.0	1.2	1.2
40°	0.0	1.2	1.2
42.5°	0.0	1.2	2.3
45°	1.2	2.3	3.5
47.5°	2.3	3.5	4.6
50°	2.3	4.6	4.6
52.5°	3.5	4.6	5.8
55°	3.5	5.8	5.8
57.5°	4.6	5.8	6.9
60°	4.6	5.8	5.8
62.5°	4.6	6.9	6.9
65°	5.8	6.9	6.9
67.5°	5.8	6.9	6.9
70°	4.6	5.8	6.9
72.5°	4.6	5.8	5.8
75°	3.5	4.6	4.6
77.5°	3.5	3.5	4.6
80°	2.3	3.5	3.5



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**CANDELA DISTRIBUTION (continued):**

	135°	157.5°	180°
82.5°	2.3	2.3	2.3
85°	1.2	1.2	1.2
87.5°	1.2	1.2	1.2
90°	0.0	0.0	0.0

(END OF REPORT)