

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: P1316924

Luminaire Tested: LDSQA3D20R409740D010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316924  
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: LDSQA3D20R409740D010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

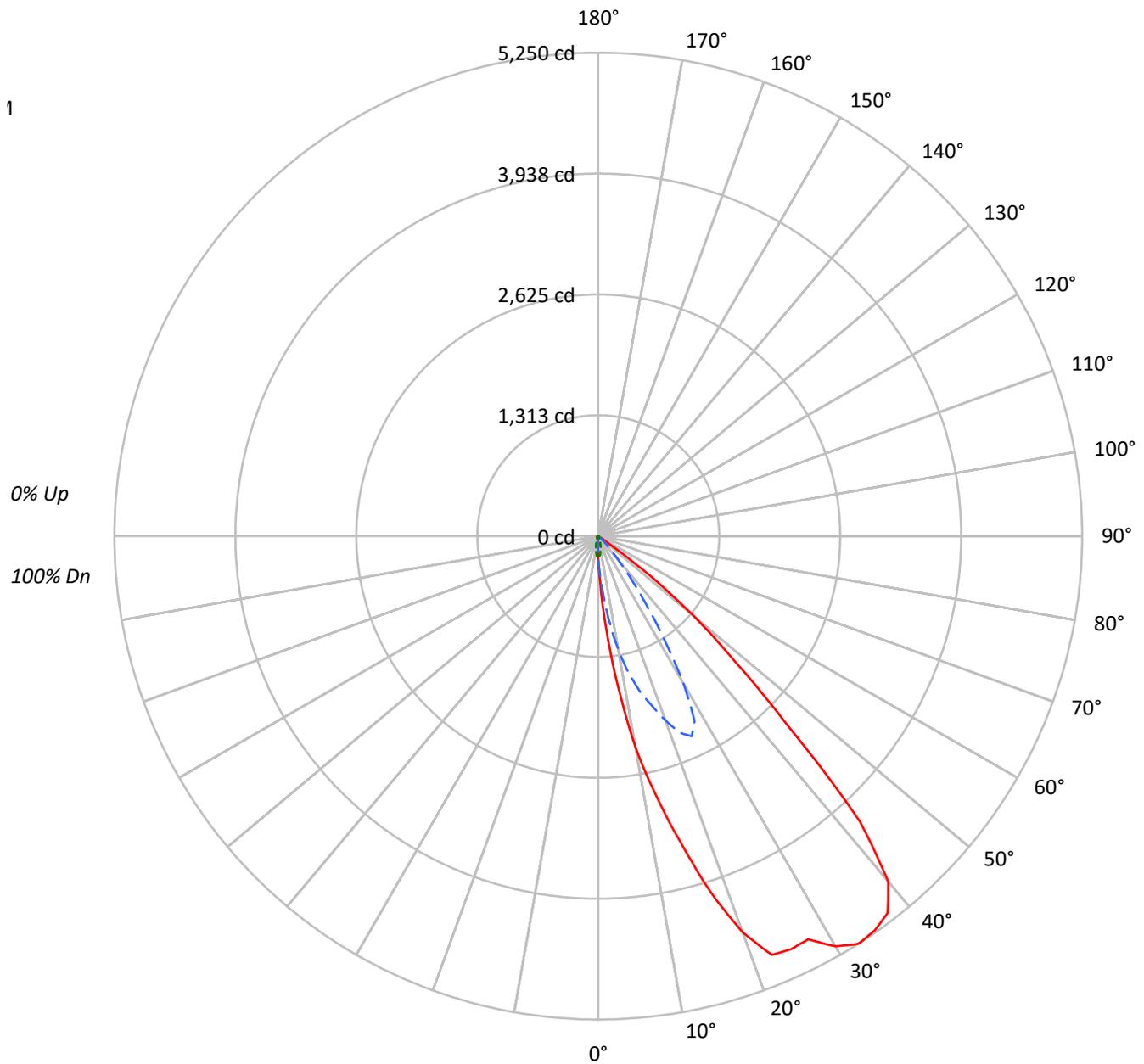
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1937.0 lumens  
Efficiency: N/A  
Efficacy: 67.3 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): 28.8  
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



— 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	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	52	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°	39473	39473	39473	39473	39473
5°	178015	113496	35371	13588	9906
10°	408256	219299	24903	4862	3725
15°	612685	311166	15476	2621	2336
20°	838925	390065	8999	1503	1796
25°	940442	455760	4675	1235	1558
30°	1022925	367881	1949	974	1631
35°	1099371	188274	694	1367	2060
40°	1099755	75090	360	1461	2585
45°	702182	25111	804	2387	3580
50°	364493	3081	1313	3081	4394
55°	31467	480	1471	3933	5405
60°	1137	551	1688	4512	6200
65°	1345	652	2649	4686	6683
70°	806	806	3273	4935	6596
75°	1065	1065	3261	5456	7652
80°	1587	1587	4860	4860	6447
85°	0	3162	9683	6521	6521

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 702182 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	44.6	2.3
10°-20°	262.2	13.5
20°-30°	574.2	29.6
30°-40°	654.1	33.8
40°-50°	345.1	17.8
50°-60°	40.7	2.1
60°-70°	7.3	0.4
70°-80°	6.0	0.3
80°-90°	2.7	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°	881.0	45.5
0°-40°	1535.1	79.3
0°-60°	1920.9	99.2
0°-90°	1937.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1937.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	229	229	229	229	229	
5°	1030	656	205	79	57	139
15°	3436	1745	87	15	13	1012
25°	4949	2398	25	6	8	2280
35°	5229	896	3	6	10	3241
45°	2883	103	3	10	15	2324
55°	105	2	5	13	18	325
65°	3	2	6	12	16	3
75°	2	2	5	8	12	2
85°	0	2	5	3	3	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°	229.2	229.2	229.2	229.2	229.2	229.2	229.2	229.2	229.2	229.2	229.2
2.5°	510.8	510.8	509.1	494.4	492.8	491.1	464.9	458.4	427.3	406.0	309.4
5°	1029.7	1006.8	1005.2	979.0	934.8	875.9	838.2	777.6	718.7	656.5	381.4
7.5°	1640.4	1660.0	1606.0	1578.2	1480.0	1409.6	1301.5	1206.6	1073.9	949.5	440.4
10°	2334.5	2300.2	2246.1	2192.1	2085.7	1959.6	1799.2	1630.6	1439.0	1254.0	473.1
12.5°	2876.4	2832.2	2799.5	2725.8	2621.0	2459.0	2267.4	2041.5	1787.7	1520.9	471.5
15°	3436.3	3392.1	3318.4	3253.0	3097.4	2915.7	2707.8	2409.8	2098.8	1745.2	437.1
17.5°	4051.9	3994.6	3912.7	3812.8	3662.2	3460.9	3197.3	2833.9	2393.5	1928.5	374.9
20°	4577.4	4543.0	4461.1	4343.3	4195.9	3999.5	3695.0	3292.2	2755.3	2128.3	298.0
22.5°	4921.2	4890.1	4834.4	4731.3	4619.9	4410.4	4132.1	3690.1	3058.1	2310.0	225.9
25°	4949.0	4935.9	4921.2	4886.8	4819.7	4670.7	4398.9	3922.5	3246.4	2398.4	167.0
27.5°	4934.3	4929.4	4926.1	4908.1	4863.9	4716.5	4438.2	3956.9	3221.8	2260.9	122.8
30°	5143.8	5129.1	5120.9	5062.0	4945.7	4718.2	4354.7	3771.9	2863.3	1849.9	88.4
32.5°	5250.2	5247.0	5238.8	5181.5	5017.8	4721.4	4213.9	3325.0	2270.7	1335.9	60.6
35°	5229.0	5212.6	5183.1	5076.7	4849.1	4477.5	3758.8	2655.4	1638.8	895.5	39.3
37.5°	5156.9	5119.3	5062.0	4870.4	4567.6	4060.1	3048.3	1954.7	1114.9	579.5	22.9
40°	4891.7	4841.0	4750.9	4516.8	4119.0	3346.3	2254.3	1321.2	731.8	334.0	6.5
42.5°	4205.8	4140.3	4074.8	3812.8	3357.7	2495.0	1483.2	816.9	417.5	183.4	1.6
45°	2883.0	2801.1	2711.1	2521.2	2156.1	1511.1	882.4	460.0	216.1	103.1	1.6
47.5°	2002.2	1964.5	1807.4	1565.1	1200.0	800.6	456.8	225.9	114.6	47.5	1.6
50°	1360.4	1317.9	1134.5	900.4	638.5	383.1	209.6	113.0	50.8	11.5	1.6
52.5°	713.8	661.4	545.2	415.8	258.7	160.4	91.7	49.1	14.7	1.6	1.6
55°	104.8	96.6	78.6	63.8	57.3	44.2	26.2	11.5	1.6	1.6	3.3
57.5°	3.3	3.3	3.3	3.3	4.9	4.9	3.3	1.6	1.6	1.6	3.3
60°	3.3	3.3	3.3	3.3	3.3	1.6	1.6	1.6	1.6	1.6	3.3
62.5°	3.3	3.3	3.3	3.3	3.3	1.6	1.6	1.6	1.6	1.6	3.3
65°	3.3	3.3	3.3	3.3	3.3	1.6	1.6	1.6	1.6	1.6	3.3
67.5°	3.3	3.3	3.3	3.3	1.6	1.6	1.6	1.6	1.6	3.3	4.9
70°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	4.9
72.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.3	4.9
75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	4.9
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.3	4.9
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.3
82.5°	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	4.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	3.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	3.3
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):**

	90°	112.5°	135°	157.5°	180°
0°	229.2	229.2	229.2	229.2	229.2
2.5°	225.9	167.0	129.3	111.3	109.7
5°	204.6	119.5	78.6	60.6	57.3
7.5°	173.5	83.5	45.8	32.7	31.1
10°	142.4	57.3	27.8	22.9	21.3
12.5°	113.0	37.7	19.6	18.0	16.4
15°	86.8	24.6	14.7	13.1	13.1
17.5°	65.5	16.4	11.5	11.5	11.5
20°	49.1	11.5	8.2	9.8	9.8
22.5°	34.4	8.2	6.5	8.2	8.2
25°	24.6	6.5	6.5	8.2	8.2
27.5°	16.4	4.9	4.9	6.5	8.2
30°	9.8	3.3	4.9	6.5	8.2
32.5°	4.9	3.3	4.9	8.2	8.2
35°	3.3	4.9	6.5	8.2	9.8
37.5°	1.6	4.9	6.5	9.8	9.8
40°	1.6	4.9	6.5	9.8	11.5
42.5°	3.3	6.5	8.2	11.5	13.1
45°	3.3	6.5	9.8	13.1	14.7
47.5°	3.3	6.5	11.5	14.7	14.7
50°	4.9	8.2	11.5	14.7	16.4
52.5°	4.9	8.2	11.5	16.4	18.0
55°	4.9	8.2	13.1	16.4	18.0
57.5°	4.9	9.8	13.1	16.4	18.0
60°	4.9	8.2	13.1	16.4	18.0
62.5°	6.5	8.2	11.5	16.4	16.4
65°	6.5	8.2	11.5	16.4	16.4
67.5°	6.5	8.2	11.5	14.7	14.7
70°	6.5	8.2	9.8	13.1	13.1
72.5°	6.5	8.2	9.8	11.5	13.1
75°	4.9	6.5	8.2	9.8	11.5
77.5°	4.9	6.5	6.5	9.8	9.8
80°	4.9	4.9	4.9	6.5	6.5
82.5°	4.9	4.9	3.3	4.9	4.9
85°	4.9	3.3	3.3	3.3	3.3
87.5°	3.3	3.3	1.6	1.6	1.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)