

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: P1311762

Luminaire Tested: LDSQA3D20R259040D010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

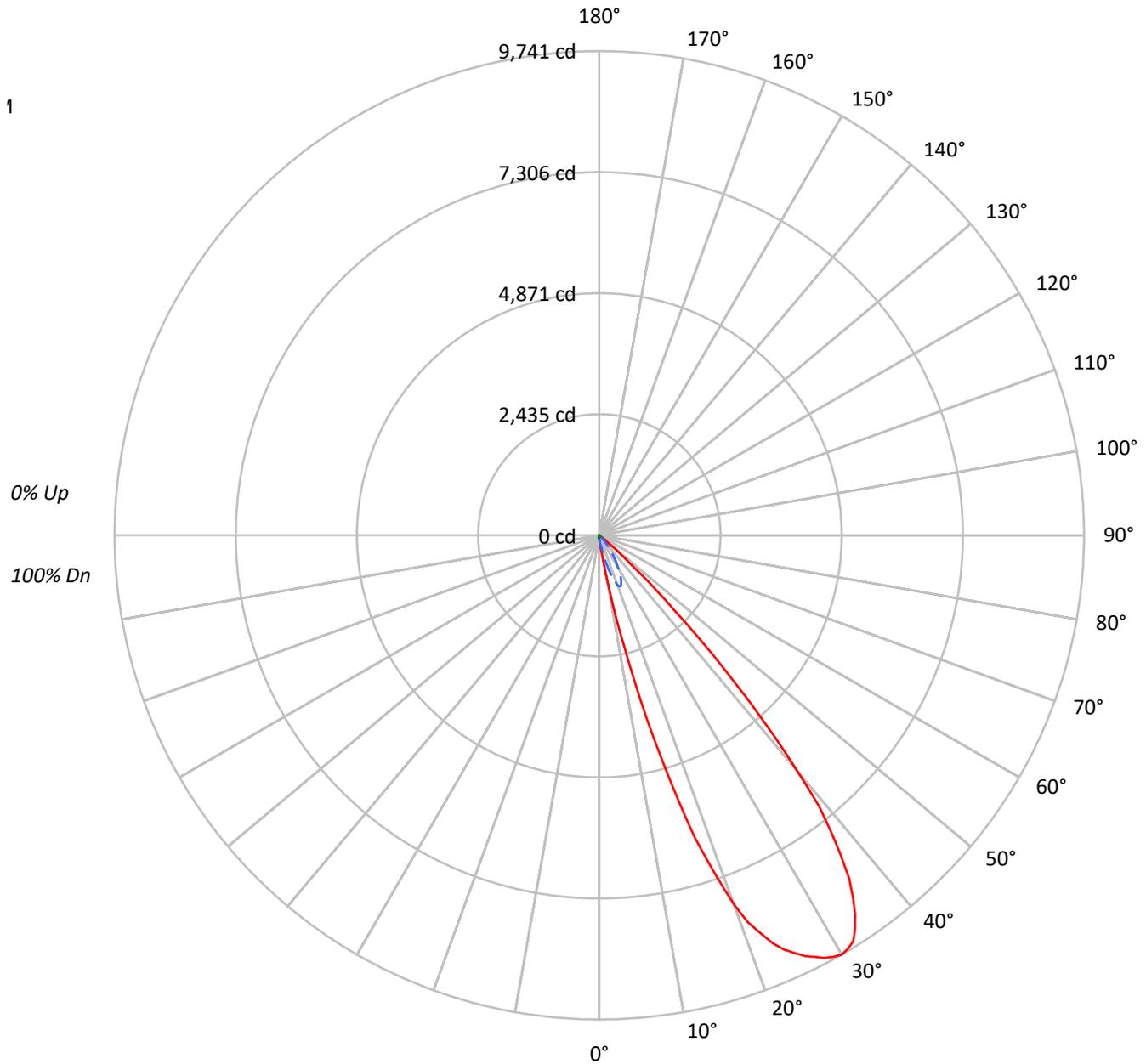
Test Method: LM-79-2019  
Report Number: P1311762  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R259040D010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1949.0 lumens  
Efficiency: N/A  
Efficacy: 67.7 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): 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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92
2	106	100	95	92	104	98	94	90	95	92	88	92	89	87	89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	55
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	50
8	71	60	52	48	70	59	52	47	58	52	47	57	51	47	56	51	47	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37

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

	0°	45°	90°	135°	180°
0°	14398	14398	14398	14398	14398
5°	36149	26727	13519	6915	5342
10°	158056	45469	11122	3183	2221
15°	751544	122562	7774	1302	981
20°	1446759	196306	5003	330	330
25°	1761965	198008	2755	0	0
30°	1937229	151516	1094	0	0
35°	1866871	96334	378	0	0
40°	1394900	41704	0	0	405
45°	516419	11082	438	438	1340
50°	60901	1474	965	965	1956
55°	6005	0	1081	1651	2732
60°	620	0	1894	2514	3134
65°	734	734	2975	3708	4442
70°	906	906	3676	3676	5489
75°	1198	1198	3660	3660	4858
80°	0	1785	5455	3570	5455
85°	0	3557	10868	3557	3557

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 516419 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12.2	0.6
10°-20°	227.2	11.7
20°-30°	713.2	36.6
30°-40°	750.8	38.5
40°-50°	220.6	11.3
50°-60°	11.8	0.6
60°-70°	5.7	0.3
70°-80°	4.9	0.3
80°-90°	2.6	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°	952.6	48.9
0°-40°	1703.4	87.4
0°-60°	1935.8	99.3
0°-90°	1949.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1949.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	84	84	84	84	84	
5°	209	155	78	40	31	37
15°	4215	687	44	7	6	1329
25°	9272	1042	14	0	0	4253
35°	8880	458	2	0	0	5358
45°	2120	46	2	2	6	1927
55°	20	0	4	6	9	51
65°	2	2	7	9	11	2
75°	2	2	6	6	7	1
85°	0	2	6	2	2	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°	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
2.5°	129.1	130.9	125.5	129.1	125.5	123.7	121.8	112.7	98.2	83.6	69.1
5°	209.1	209.1	200.0	198.2	194.6	187.3	180.0	154.6	110.9	78.2	54.6
7.5°	327.3	325.5	321.9	312.8	294.6	276.4	258.2	201.8	121.8	72.7	41.8
10°	903.8	891.0	874.7	776.5	665.5	567.4	481.9	260.0	130.9	63.6	30.9
12.5°	2245.8	2173.0	2000.3	1803.9	1552.9	1289.3	1031.1	423.7	134.6	52.7	21.8
15°	4215.1	4064.2	3795.1	3402.3	2889.5	2313.1	1822.1	687.4	130.9	43.6	16.4
17.5°	6364.5	6219.1	5846.3	5249.8	4495.2	3609.6	2740.4	911.0	121.8	36.4	10.9
20°	7893.9	7739.3	7390.1	6757.3	5940.8	4760.7	3607.8	1071.1	114.6	27.3	5.5
21°	8341.2	8186.6	7817.5	7206.5	6348.2	5164.4	3886.0	1098.3	109.1	23.6	3.6
22°	8624.9	8533.9	8137.5	7544.7	6670.0	5488.1	4124.2	1111.1	105.5	21.8	3.6
23°	8910.4	8774.0	8403.0	7777.5	6915.5	5728.1	4300.6	1102.0	101.8	18.2	1.8
24°	9121.3	9006.7	8575.8	7957.5	7086.5	5875.4	4404.3	1078.3	96.4	16.4	1.8
25°	9272.2	9166.8	8717.6	8079.3	7201.0	5955.4	4437.0	1042.0	90.9	14.5	1.8
26°	9415.9	9301.3	8835.8	8150.3	7261.0	5980.9	4406.1	1002.0	85.5	12.7	0.0
27°	9519.5	9403.2	8917.6	8192.1	7264.7	5949.9	4322.4	947.4	80.0	10.9	0.0
28°	9630.5	9495.9	8974.0	8215.7	7242.9	5877.2	4202.4	889.2	76.4	9.1	0.0
29°	9697.7	9570.5	9032.2	8241.2	7197.4	5755.4	4027.8	820.1	67.3	5.5	0.0
30°	9741.4	9590.5	9026.7	8213.9	7137.4	5624.4	3818.7	761.9	58.2	5.5	0.0
31°	9705.0	9546.8	8968.6	8137.5	7041.0	5453.5	3604.2	689.2	47.3	3.6	0.0
32°	9626.8	9439.5	8866.7	8004.8	6868.3	5233.5	3382.3	629.2	34.6	3.6	0.0
33°	9435.9	9277.7	8683.1	7826.6	6642.8	4935.3	3093.2	571.0	23.6	1.8	0.0
34°	9195.9	9037.7	8432.1	7588.4	6340.9	4549.7	2742.2	511.0	20.0	1.8	0.0
35°	8879.5	8723.1	8148.4	7255.6	5940.8	4086.0	2380.3	458.2	16.4	1.8	0.0
36°	8546.7	8339.4	7790.2	6901.0	5404.4	3558.7	1993.0	398.2	12.7	1.8	0.0
37°	8057.5	7917.5	7308.3	6360.9	4824.3	3053.2	1711.2	343.7	9.1	1.8	0.0
38°	7550.2	7421.1	6826.4	5817.2	4177.0	2553.1	1432.9	291.0	7.3	0.0	0.0
39°	7026.5	6811.9	6224.5	5120.7	3498.7	2138.5	1205.6	243.7	3.6	0.0	0.0
40°	6204.5	6040.9	5413.5	4284.2	2895.0	1733.0	1027.4	185.5	3.6	0.0	0.0
42.5°	4113.3	3960.6	3302.3	2324.0	1538.4	1012.9	678.3	72.7	0.0	1.8	0.0
45°	2120.3	2023.9	1643.9	1216.5	872.9	621.9	436.4	45.5	0.0	1.8	1.8
47.5°	841.9	825.6	745.6	643.7	496.4	369.1	238.2	20.0	0.0	1.8	1.8
50°	227.3	229.1	214.6	198.2	180.0	169.1	100.0	5.5	0.0	3.6	1.8
52.5°	96.4	98.2	94.6	89.1	80.0	60.0	40.0	1.8	1.8	3.6	3.6
55°	20.0	21.8	23.6	25.5	29.1	25.5	16.4	0.0	1.8	3.6	3.6
57.5°	3.6	3.6	3.6	3.6	5.5	5.5	3.6	0.0	1.8	3.6	5.5
60°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	3.6	5.5	5.5
62.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.6	5.5	7.3
65°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.6	7.3	7.3
67.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	5.5	7.3	7.3
70°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	5.5	7.3	7.3
72.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	5.5	7.3	5.5
75°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	5.5	5.5	5.5
77.5°	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	3.6	5.5	5.5
80°	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	3.6	5.5	3.6



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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	1.8	1.8	3.6	5.5	3.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.6	5.5	3.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.6	5.5	3.6
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°	83.6	83.6	83.6
2.5°	58.2	52.7	50.9
5°	40.0	34.6	30.9
7.5°	27.3	21.8	20.0
10°	18.2	14.5	12.7
12.5°	12.7	7.3	7.3
15°	7.3	5.5	5.5
17.5°	3.6	1.8	1.8
20°	1.8	1.8	1.8
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	1.8
39°	0.0	1.8	1.8
40°	0.0	1.8	1.8
42.5°	0.0	1.8	3.6
45°	1.8	3.6	5.5
47.5°	3.6	5.5	7.3
50°	3.6	7.3	7.3
52.5°	5.5	7.3	9.1
55°	5.5	9.1	9.1
57.5°	7.3	9.1	10.9
60°	7.3	9.1	9.1
62.5°	7.3	10.9	10.9
65°	9.1	10.9	10.9
67.5°	9.1	10.9	10.9
70°	7.3	9.1	10.9
72.5°	7.3	9.1	9.1
75°	5.5	7.3	7.3
77.5°	5.5	5.5	7.3
80°	3.6	5.5	5.5



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**CANDELA DISTRIBUTION (continued):**

	135°	157.5°	180°
82.5°	3.6	3.6	3.6
85°	1.8	1.8	1.8
87.5°	1.8	1.8	1.8
90°	0.0	0.0	0.0

(END OF REPORT)