

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: P1316716

Luminaire Tested: LDSQA3D17R259740DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

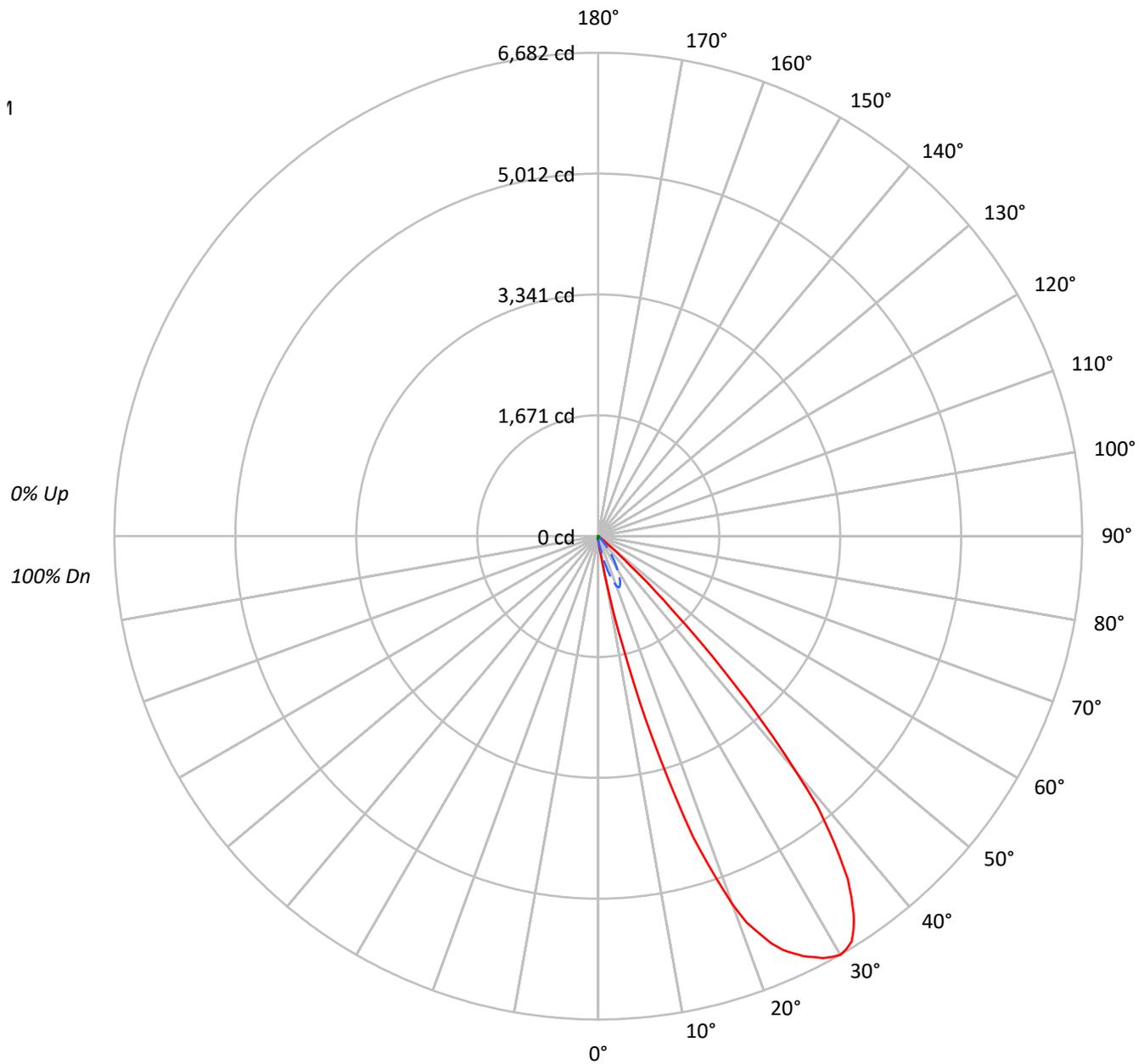
Test Method: LM-79-2019  
Report Number: P1316716  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R259740DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1336.9 lumens  
Efficiency: N/A  
Efficacy: 63.1 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

TEST NUMBER: P1316716  
CATALOG NUMBER: LDSQA3D17R259740DE010 3LSQCA30R 1MW

### Luminous Intensity Polar Plot



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



TEST NUMBER: P1316716

CATALOG NUMBER: LDSQA3D17R259740DE010 3LSQCA30R 1MW

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

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

	0°	45°	90°	135°	180°
0°	9886	9886	9886	9886	9886
5°	24808	18325	9266	4737	3665
10°	108425	31198	7642	2186	1521
15°	515566	84068	5331	891	660
20°	992455	134653	3427	220	220
25°	1208703	135831	1900	0	0
30°	1328919	103947	736	0	0
35°	1280644	66101	252	0	0
40°	956904	28597	0	0	270
45°	354257	7599	292	292	901
50°	41770	991	670	670	1340
55°	4114	0	751	1111	1862
60°	413	0	1274	1722	2136
65°	489	489	2038	2527	3056
70°	604	604	2518	2518	3777
75°	799	799	2462	2462	3327
80°	0	1190	3670	2479	3670
85°	0	2371	7311	2371	2371

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 354257 cd/sqm



TEST NUMBER: P1316716

CATALOG NUMBER: LDSQA3D17R259740DE010 3LSQCA30R 1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.3	0.6
10°-20°	155.9	11.7
20°-30°	489.3	36.6
30°-40°	515.0	38.5
40°-50°	151.3	11.3
50°-60°	8.1	0.6
60°-70°	3.9	0.3
70°-80°	3.4	0.3
80°-90°	1.7	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°	653.5	48.9
0°-40°	1168.5	87.4
0°-60°	1327.9	99.3
0°-90°	1336.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1336.9	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	57	57	57	57	57	
5°	144	106	54	27	21	26
15°	2892	472	30	5	4	911
25°	6361	715	10	0	0	2917
35°	6091	314	1	0	0	3676
45°	1454	31	1	1	4	1322
55°	14	0	2	4	6	35
65°	1	1	5	6	8	1
75°	1	1	4	4	5	1
85°	0	1	4	1	1	0
90°	0	0	0	0	0	



TEST NUMBER: P1316716

CATALOG NUMBER: LDSQA3D17R259740DE010 3LSQCA30R 1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
2.5°	88.6	89.8	86.1	88.6	86.1	84.8	83.6	77.3	67.4	57.4	47.4
5°	143.5	143.5	137.2	136.0	133.5	128.5	123.5	106.0	76.1	53.6	37.4
7.5°	224.5	223.3	220.8	214.6	202.1	189.6	177.1	138.5	83.6	49.9	28.7
10°	620.0	611.2	600.0	532.7	456.6	389.2	330.6	178.4	89.8	43.7	21.2
12.5°	1540.6	1490.7	1372.2	1237.5	1065.3	884.4	707.3	290.7	92.3	36.2	15.0
15°	2891.6	2788.0	2603.4	2334.0	1982.2	1586.7	1249.9	471.5	89.8	29.9	11.2
17.5°	4366.0	4266.2	4010.5	3601.4	3083.7	2476.2	1879.9	625.0	83.6	24.9	7.5
20°	5415.1	5309.1	5069.6	4635.5	4075.4	3265.8	2474.9	734.7	78.6	18.7	3.7
21°	5722.0	5616.0	5362.7	4943.6	4354.8	3542.7	2665.8	753.5	74.8	16.2	2.5
22°	5916.6	5854.2	5582.3	5175.6	4575.6	3764.8	2829.2	762.2	72.4	15.0	2.5
23°	6112.4	6018.9	5764.4	5335.3	4744.0	3929.4	2950.2	755.9	69.9	12.5	1.2
24°	6257.1	6178.6	5882.9	5458.8	4861.3	4030.5	3021.3	739.7	66.1	11.2	1.2
25°	6360.7	6288.3	5980.2	5542.4	4939.9	4085.4	3043.7	714.8	62.4	10.0	1.2
26°	6459.2	6380.6	6061.3	5591.0	4981.0	4102.8	3022.5	687.3	58.6	8.7	0.0
27°	6530.3	6450.5	6117.4	5619.7	4983.5	4081.6	2965.2	649.9	54.9	7.5	0.0
28°	6606.4	6514.1	6156.1	5635.9	4968.5	4031.7	2882.8	610.0	52.4	6.2	0.0
29°	6652.6	6565.3	6196.0	5653.4	4937.4	3948.1	2763.1	562.6	46.2	3.7	0.0
30°	6682.5	6579.0	6192.3	5634.7	4896.2	3858.3	2619.6	522.7	39.9	3.7	0.0
31°	6657.6	6549.0	6152.4	5582.3	4830.1	3741.1	2472.4	472.8	32.4	2.5	0.0
32°	6603.9	6475.5	6082.5	5491.2	4711.6	3590.1	2320.2	431.6	23.7	2.5	0.0
33°	6473.0	6364.4	5956.5	5369.0	4556.9	3385.5	2121.9	391.7	16.2	1.2	0.0
34°	6308.3	6199.8	5784.4	5205.6	4349.8	3121.1	1881.1	350.5	13.7	1.2	0.0
35°	6091.2	5984.0	5589.8	4977.3	4075.4	2803.0	1632.9	314.4	11.2	1.2	0.0
36°	5863.0	5720.8	5344.0	4734.0	3707.4	2441.2	1367.2	273.2	8.7	1.2	0.0
37°	5527.4	5431.3	5013.5	4363.5	3309.5	2094.4	1173.8	235.8	6.2	1.2	0.0
38°	5179.4	5090.8	4682.9	3990.6	2865.4	1751.4	983.0	199.6	5.0	0.0	0.0
39°	4820.1	4672.9	4270.0	3512.8	2400.1	1467.0	827.1	167.2	2.5	0.0	0.0
40°	4256.3	4144.0	3713.6	2939.0	1985.9	1188.8	704.8	127.2	2.5	0.0	0.0
42.5°	2821.7	2716.9	2265.3	1594.2	1055.3	694.8	465.3	49.9	0.0	1.2	0.0
45°	1454.5	1388.4	1127.7	834.5	598.8	426.6	299.4	31.2	0.0	1.2	1.2
47.5°	577.6	566.3	511.4	441.6	340.6	253.2	163.4	13.7	0.0	1.2	1.2
50°	155.9	157.2	147.2	136.0	123.5	116.0	68.6	3.7	0.0	2.5	1.2
52.5°	66.1	67.4	64.9	61.1	54.9	41.2	27.4	1.2	1.2	2.5	2.5
55°	13.7	15.0	16.2	17.5	20.0	17.5	11.2	0.0	1.2	2.5	2.5
57.5°	2.5	2.5	2.5	2.5	3.7	3.7	2.5	0.0	1.2	2.5	3.7
60°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	2.5	3.7	3.7
62.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5	3.7	5.0
65°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5	5.0	5.0
67.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.7	5.0	5.0
70°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.7	5.0	5.0
72.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.7	5.0	3.7
75°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.7	3.7	3.7
77.5°	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	2.5	3.7	3.7
80°	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	2.5	3.7	2.5



TEST NUMBER: P1316716

CATALOG NUMBER: LDSQA3D17R259740DE010 3LSQCA30R 1MW

**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	2.5	3.7	2.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.5	3.7	2.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.5	3.7	2.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1316716

CATALOG NUMBER: LDSQA3D17R259740DE010 3LSQCA30R 1MW

**CANDELA DISTRIBUTION (continued):**

	135°	157.5°	180°
0°	57.4	57.4	57.4
2.5°	39.9	36.2	34.9
5°	27.4	23.7	21.2
7.5°	18.7	15.0	13.7
10°	12.5	10.0	8.7
12.5°	8.7	5.0	5.0
15°	5.0	3.7	3.7
17.5°	2.5	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	2.5
45°	1.2	2.5	3.7
47.5°	2.5	3.7	5.0
50°	2.5	5.0	5.0
52.5°	3.7	5.0	6.2
55°	3.7	6.2	6.2
57.5°	5.0	6.2	7.5
60°	5.0	6.2	6.2
62.5°	5.0	7.5	7.5
65°	6.2	7.5	7.5
67.5°	6.2	7.5	7.5
70°	5.0	6.2	7.5
72.5°	5.0	6.2	6.2
75°	3.7	5.0	5.0
77.5°	3.7	3.7	5.0
80°	2.5	3.7	3.7



TEST NUMBER: P1316716  
CATALOG NUMBER: LDSQA3D17R259740DE010 3LSQCA30R 1MW

**CANDELA DISTRIBUTION (continued):**

	135°	157.5°	180°
82.5°	2.5	2.5	2.5
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)