

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: P1312872

Luminaire Tested: LDSQA3D20R359050D010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1312872  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R359050D010 3LSQCA30R 1MMS  
Description: 3in Adjustable LED luminaire with, R35 optic, 5000K CCT AND, 90CRI , 3LSQCA30R 1MMS TRII  
Light Source: -  
Ballast/Driver: -

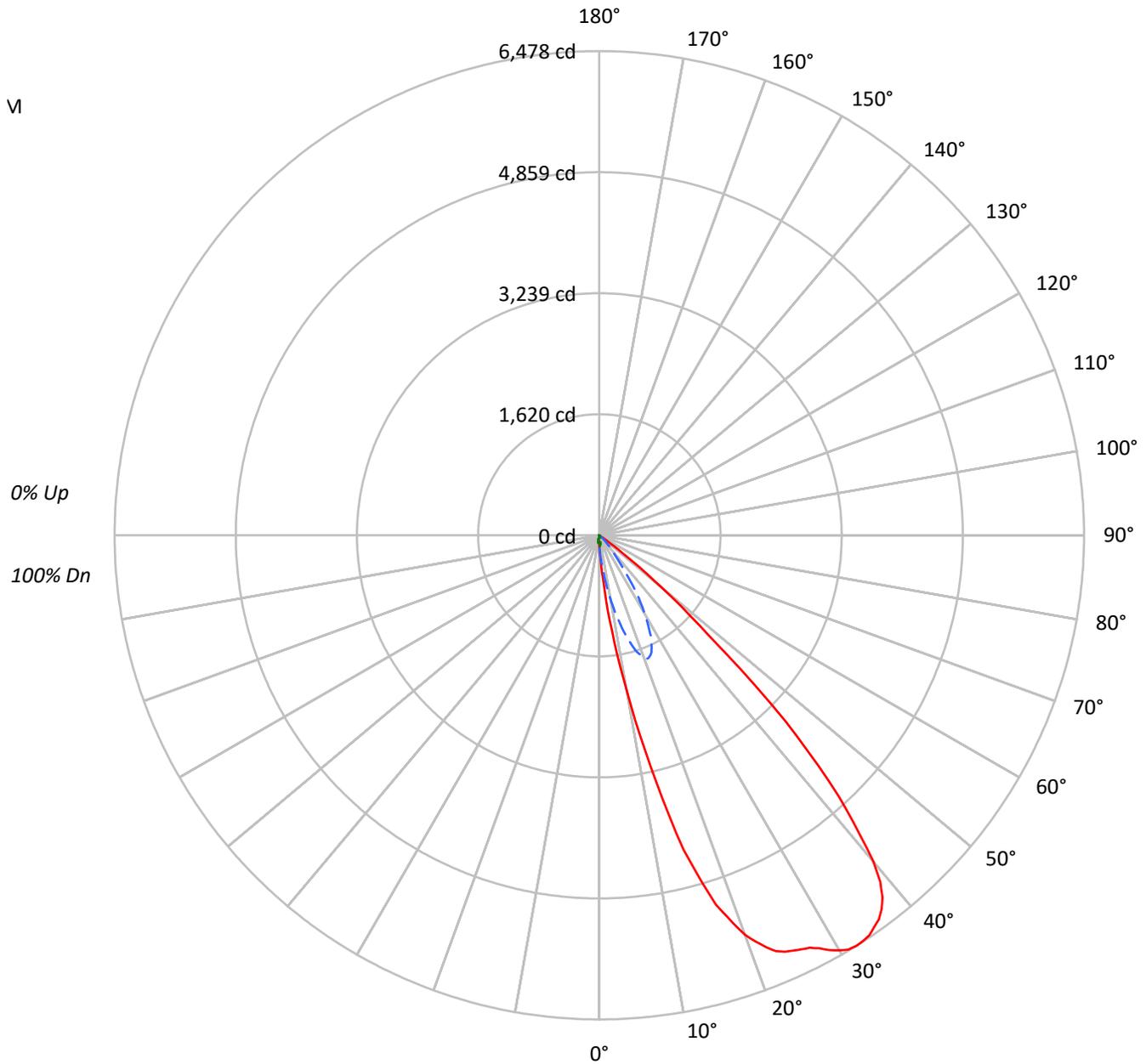
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1935.0 lumens  
Efficiency: N/A  
Efficacy: 67.2 lumens/watt  
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29  
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

TEST NUMBER: P1312872  
CATALOG NUMBER: LDSQA3D20R359050D010 3LSQCA30R 1MMS

### Luminous Intensity Polar Plot



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



TEST NUMBER: P1312872

CATALOG NUMBER: LDSQA3D20R359050D010 3LSQCA30R 1MMS

**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	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	89	87	85	83
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	82	79	76	75
4	93	84	77	72	91	82	76	72	80	75	71	78	73	70	76	72	69	76	72	69	67
5	86	76	70	64	85	75	69	64	74	68	63	72	67	63	70	66	62	70	66	62	61
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	65	60	56	55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	60	55	51	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	46	55	50	46	55	50	46	45
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	51	46	42	40
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	47	42	38	37

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

	0°	45°	90°	135°	180°
0°	25110	25110	25110	25110	25110
5°	109139	67648	23304	8298	5740
10°	367369	152705	17435	1941	647
15°	777415	250473	10858	0	0
20°	1042379	320054	5077	0	0
25°	1164958	314304	1045	0	0
30°	1275325	240826	0	0	0
35°	1345968	131172	0	0	0
40°	1279500	58926	0	0	0
45°	858742	26085	0	0	0
50°	286874	2465	0	0	0
55°	15523	0	0	0	0
60°	0	0	620	0	0
65°	0	0	1508	0	0
70°	0	906	1863	0	0
75°	0	1198	2462	0	0
80°	0	1785	3670	0	0
85°	0	3557	7311	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 858742 cd/sqm



TEST NUMBER: P1312872

CATALOG NUMBER: LDSQA3D20R359050D010 3LSQCA30R 1MMS

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	31.3	1.6
10°-20°	268.5	13.9
20°-30°	589.1	30.4
30°-40°	681.4	35.2
40°-50°	336.3	17.4
50°-60°	24.9	1.3
60°-70°	0.8	0.0
70°-80°	1.4	0.1
80°-90°	1.3	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°	888.9	45.9
0°-40°	1570.3	81.2
0°-60°	1931.5	99.8
0°-90°	1935.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1935.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	146	146	146	146	146	
5°	631	391	135	48	33	109
15°	4360	1405	61	0	0	1230
25°	6130	1654	6	0	0	2834
35°	6402	624	0	0	0	3953
45°	3526	107	0	0	0	2588
55°	52	0	0	0	0	211
65°	0	0	4	0	0	0
75°	0	2	4	0	0	0
85°	0	2	4	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P1312872

CATALOG NUMBER: LDSQA3D20R359050D010 3LSQCA30R 1MMS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	145.8	145.8	145.8	145.8	145.8	145.8	145.8	145.8	145.8	145.8	145.8
2.5°	289.8	297.2	293.5	293.5	291.7	282.4	265.8	260.3	240.0	190.1	147.7
5°	631.3	633.2	627.6	599.9	575.9	553.8	505.8	483.6	391.3	232.6	134.8
7.5°	1281.1	1253.4	1218.4	1179.6	1094.7	1017.1	915.6	808.5	605.5	269.5	120.0
10°	2100.7	2062.0	2032.4	1940.1	1786.9	1628.2	1434.3	1259.0	873.2	295.4	99.7
12.5°	3158.5	3136.3	3031.1	2846.5	2619.5	2390.6	2052.7	1774.0	1142.7	300.9	81.2
15°	4360.2	4323.3	4162.7	3900.6	3592.3	3232.3	2780.1	2311.2	1404.8	284.3	60.9
17.5°	5181.7	5161.4	5022.9	4747.9	4393.5	3935.6	3400.3	2815.1	1620.8	249.2	42.5
20°	5687.5	5658.0	5528.7	5296.1	4925.1	4447.0	3812.0	3136.3	1746.3	204.9	27.7
21°	5818.6	5789.0	5685.6	5443.8	5089.4	4576.2	3924.6	3213.9	1770.3	184.6	22.2
22°	5942.2	5912.7	5803.8	5589.7	5238.9	4703.6	4013.2	3272.9	1766.6	168.0	16.6
23°	6045.6	6014.2	5907.2	5709.6	5357.1	4816.2	4079.6	3302.5	1742.6	151.4	12.9
24°	6099.1	6080.7	5984.7	5798.2	5453.1	4895.6	4125.8	3313.5	1713.1	134.8	9.2
25°	6130.5	6108.4	6014.2	5842.6	5515.8	4958.3	4155.3	3304.3	1654.0	120.0	5.5
26°	6163.8	6130.5	6023.5	5857.3	5549.0	4987.9	4157.2	3280.3	1591.2	107.1	1.8
27°	6193.3	6161.9	6051.2	5868.4	5554.6	4978.6	4142.4	3234.2	1515.6	94.1	1.8
28°	6257.9	6222.8	6095.5	5892.4	5560.1	4954.6	4096.2	3171.4	1415.9	83.1	0.0
29°	6342.8	6305.9	6160.1	5949.6	5573.0	4928.8	4033.5	3088.3	1329.1	73.8	0.0
30°	6413.0	6379.7	6245.0	6021.6	5606.3	4904.8	3959.6	2975.7	1211.0	62.8	0.0
31°	6464.7	6431.4	6307.7	6082.5	5635.8	4882.6	3867.3	2859.4	1103.9	55.4	0.0
32°	6477.6	6449.9	6333.6	6108.4	5635.8	4849.4	3782.4	2728.4	998.7	46.1	0.0
33°	6472.0	6444.3	6326.2	6089.9	5586.0	4770.0	3679.1	2571.5	878.7	40.6	0.0
34°	6451.7	6418.5	6293.0	6030.8	5488.1	4635.3	3529.5	2414.6	753.2	33.2	0.0
35°	6401.9	6372.4	6235.7	5920.1	5336.8	4430.4	3330.2	2233.6	623.9	27.7	0.0
36°	6353.9	6309.6	6141.6	5783.5	5137.4	4219.9	3092.0	2025.0	513.2	22.2	0.0
37°	6265.3	6202.5	6032.7	5586.0	4854.9	3922.7	2820.7	1796.1	430.1	16.6	0.0
38°	6147.1	6062.2	5846.2	5357.1	4570.7	3644.0	2565.9	1589.4	361.8	11.1	0.0
39°	5964.4	5864.7	5571.2	5043.2	4242.1	3320.9	2274.3	1369.7	308.3	7.4	0.0
40°	5691.2	5597.0	5272.1	4670.4	3915.3	2964.7	1975.2	1122.4	262.1	3.7	0.0
42.5°	4738.7	4609.4	4232.9	3634.8	2894.5	2132.1	1307.0	623.9	173.5	0.0	0.0
45°	3525.8	3411.4	3042.2	2497.6	1929.1	1305.1	699.6	367.4	107.1	0.0	0.0
47.5°	1991.8	1978.9	1738.9	1434.3	1076.2	694.1	354.4	221.5	46.1	0.0	0.0
50°	1070.7	1004.2	865.8	657.2	448.6	302.7	192.0	121.8	9.2	0.0	0.0
52.5°	391.3	378.4	317.5	264.0	203.1	138.4	97.8	53.5	0.0	0.0	0.0
55°	51.7	48.0	49.8	53.5	55.4	48.0	31.4	11.1	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	1.8	3.7	3.7	3.7	0.0	0.0	0.0	1.8
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.7
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.7	3.7
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.7	3.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.7	3.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.7	3.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.7	3.7



TEST NUMBER: P1312872

CATALOG NUMBER: LDSQA3D20R359050D010 3LSQCA30R 1MMS

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.7	3.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.7	3.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.7	3.7
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: P1312872

CATALOG NUMBER: LDSQA3D20R359050D010 3LSQCA30R 1MMS

**CANDELA DISTRIBUTION (continued):**

	112.5°	135°	157.5°	180°
0°	145.8	145.8	145.8	145.8
2.5°	112.6	86.8	73.8	72.0
5°	77.5	48.0	35.1	33.2
7.5°	53.5	24.0	16.6	14.8
10°	31.4	11.1	5.5	3.7
12.5°	18.5	1.8	0.0	0.0
15°	5.5	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	1.8	0.0	0.0	0.0
67.5°	1.8	0.0	0.0	0.0
70°	1.8	0.0	0.0	0.0
72.5°	1.8	0.0	0.0	0.0
75°	1.8	0.0	0.0	0.0
77.5°	1.8	0.0	0.0	0.0
80°	1.8	0.0	0.0	0.0



TEST NUMBER: P1312872  
CATALOG NUMBER: LDSQA3D20R359050D010 3LSQCA30R 1MMS

**CANDELA DISTRIBUTION (continued):**

	112.5°	135°	157.5°	180°
82.5°	1.8	0.0	0.0	0.0
85°	1.8	0.0	0.0	0.0
87.5°	1.8	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)