

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: P1308425

Luminaire Tested: LDSQA3D20R309027D010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

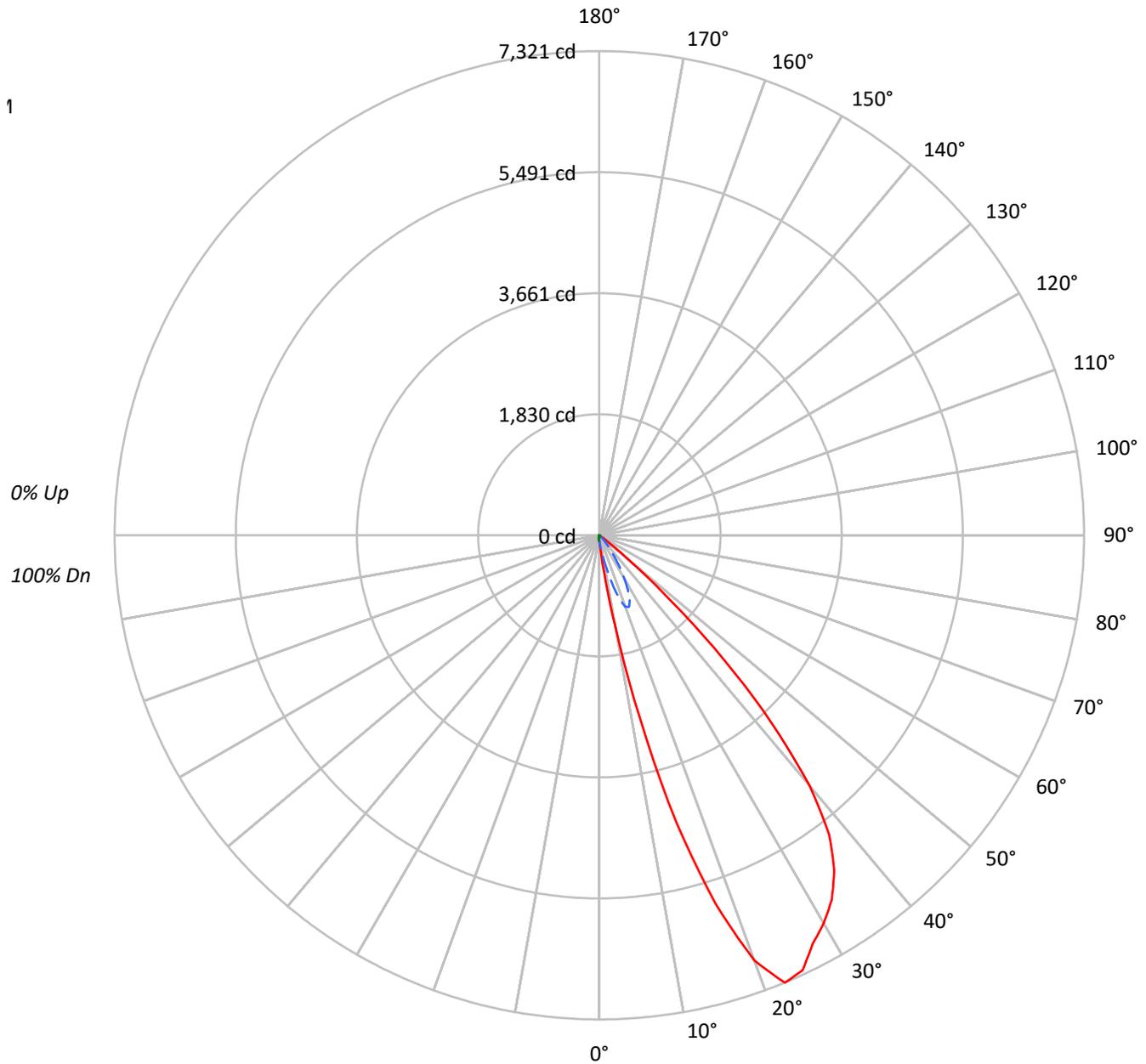
Test Method: LM-79-2019  
Report Number: P1308425  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R309027D010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1726.0 lumens  
Efficiency: N/A  
Efficacy: 59.9 lumens/watt  
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28  
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	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	103	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	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	65	61	57	55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	60	55	52	50
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	56	51	47	45
9	67	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	52	46	43	41
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	48	43	39	37

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

	0°	45°	90°	135°	180°
0°	14122	14122	14122	14122	14122
5°	42529	28352	13364	5999	4910
10°	246300	60124	10475	2763	1924
15°	801164	136380	7310	571	285
20°	1253641	211005	4619	0	0
25°	1379232	206198	2394	0	0
30°	1347096	148672	935	0	0
35°	1300176	84561	336	0	0
40°	1108771	35814	0	0	0
45°	650718	13444	390	0	390
50°	158052	2545	429	429	1259
55°	13722	0	961	1411	1892
60°	551	0	1102	1619	2721
65°	652	652	1915	1915	3219
70°	806	806	2367	2367	3172
75°	0	1065	3127	3127	3127
80°	0	1587	4661	3174	3174
85°	0	3162	9287	3162	3162

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 650718 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	15.1	0.9
10°-20°	237.2	13.7
20°-30°	602.8	34.9
30°-40°	600.9	34.8
40°-50°	243.4	14.1
50°-60°	16.8	1.0
60°-70°	3.8	0.2
70°-80°	3.8	0.2
80°-90°	2.2	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°	855.1	49.5
0°-40°	1456.0	84.4
0°-60°	1716.2	99.4
0°-90°	1726.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1726.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	82	82	82	82	82	
5°	246	164	77	35	28	57
15°	4493	765	41	3	2	1308
25°	7258	1085	13	0	0	3277
35°	6184	402	2	0	0	3791
45°	2672	55	2	0	2	2038
55°	46	0	3	5	6	120
65°	2	2	5	5	8	2
75°	0	2	5	5	5	1
85°	0	2	5	2	2	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°	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
2.5°	135.6	137.2	137.2	134.1	132.5	132.5	127.8	126.2	121.4	116.7	100.9
5°	246.0	241.3	235.0	235.0	220.8	212.9	201.9	189.3	179.8	164.0	116.7
7.5°	558.3	520.5	509.4	495.2	441.6	399.0	350.1	307.5	268.1	235.0	129.3
10°	1408.4	1334.3	1272.8	1148.2	992.0	842.2	703.4	542.5	432.1	343.8	138.8
12.5°	2837.3	2738.0	2619.7	2392.6	2100.8	1727.0	1395.8	1042.5	731.8	506.3	141.9
15°	4493.4	4324.6	4140.1	3851.4	3373.6	2837.3	2239.6	1676.5	1175.0	764.9	138.8
17.5°	5843.4	5777.2	5504.3	5110.0	4524.9	3834.1	3097.6	2327.9	1585.1	1001.5	129.3
20°	6840.2	6794.4	6464.8	6045.3	5386.0	4594.3	3659.0	2734.8	1870.5	1151.3	115.1
22.5°	7321.2	7313.3	7075.2	6646.2	5947.5	5050.1	4020.2	2969.8	1958.8	1171.8	96.2
25°	7258.1	7286.5	7150.9	6832.3	6162.0	5237.8	4127.5	2969.8	1894.2	1085.1	80.4
27.5°	6971.1	6990.0	6904.8	6660.4	6035.8	5102.1	3977.6	2779.0	1706.5	932.1	66.2
30°	6773.9	6781.8	6676.2	6414.3	5751.9	4793.0	3624.3	2425.7	1422.6	747.6	48.9
32.5°	6534.2	6532.6	6409.6	6110.0	5379.7	4359.3	3176.4	2004.6	1093.0	567.8	28.4
35°	6184.1	6144.6	5977.5	5632.1	4824.6	3775.7	2603.9	1526.7	787.0	402.2	17.3
37.5°	5703.0	5600.5	5364.0	4901.8	4045.4	2960.3	1930.5	1072.5	537.8	266.5	11.0
40°	4931.8	4823.0	4501.2	3939.8	3059.7	2130.8	1301.2	698.7	339.1	159.3	6.3
42.5°	3867.2	3793.1	3359.4	2799.5	2020.4	1359.5	782.3	413.2	190.8	91.5	1.6
45°	2671.7	2575.5	2234.8	1760.1	1212.8	753.9	438.5	216.1	108.8	55.2	0.0
47.5°	1474.7	1356.4	1159.2	911.6	610.4	395.9	220.8	116.7	61.5	26.8	0.0
50°	589.9	585.1	465.3	331.2	233.4	179.8	110.4	63.1	31.5	9.5	1.6
52.5°	206.6	206.6	178.2	145.1	113.6	82.0	55.2	30.0	11.0	3.2	1.6
55°	45.7	50.5	47.3	44.2	42.6	36.3	23.7	11.0	3.2	0.0	1.6
57.5°	4.7	4.7	4.7	6.3	7.9	7.9	6.3	3.2	0.0	0.0	1.6
60°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	3.2
62.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	1.6	1.6	3.2
65°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.2
67.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.2
70°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	4.7
72.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	4.7
75°	0.0	0.0	1.6	1.6	0.0	1.6	1.6	1.6	1.6	1.6	4.7
77.5°	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	3.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	3.2
82.5°	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	3.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	3.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	3.2
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°	82.0	82.0	82.0	82.0	82.0
2.5°	82.0	64.7	53.6	47.3	45.7
5°	77.3	48.9	34.7	30.0	28.4
7.5°	69.4	36.3	23.7	18.9	17.3
10°	59.9	26.8	15.8	11.0	11.0
12.5°	50.5	20.5	9.5	4.7	3.2
15°	41.0	12.6	3.2	1.6	1.6
17.5°	31.5	7.9	0.0	0.0	0.0
20°	25.2	3.2	0.0	0.0	0.0
22.5°	18.9	1.6	0.0	0.0	0.0
25°	12.6	0.0	0.0	0.0	0.0
27.5°	7.9	0.0	0.0	0.0	0.0
30°	4.7	0.0	0.0	0.0	0.0
32.5°	1.6	0.0	0.0	0.0	0.0
35°	1.6	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	1.6	0.0	0.0	1.6	1.6
47.5°	1.6	1.6	1.6	3.2	3.2
50°	1.6	1.6	1.6	3.2	4.7
52.5°	3.2	1.6	3.2	4.7	4.7
55°	3.2	3.2	4.7	6.3	6.3
57.5°	3.2	3.2	4.7	6.3	6.3
60°	3.2	3.2	4.7	6.3	7.9
62.5°	4.7	4.7	4.7	6.3	6.3
65°	4.7	4.7	4.7	6.3	7.9
67.5°	4.7	4.7	4.7	6.3	7.9
70°	4.7	4.7	4.7	6.3	6.3
72.5°	6.3	4.7	4.7	6.3	6.3
75°	4.7	4.7	4.7	4.7	4.7
77.5°	4.7	4.7	3.2	4.7	4.7
80°	4.7	3.2	3.2	3.2	3.2
82.5°	4.7	3.2	3.2	3.2	3.2
85°	4.7	3.2	1.6	1.6	1.6
87.5°	4.7	3.2	1.6	1.6	1.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)