

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: P1317620

Luminaire Tested: LDSQA3D17R309827DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

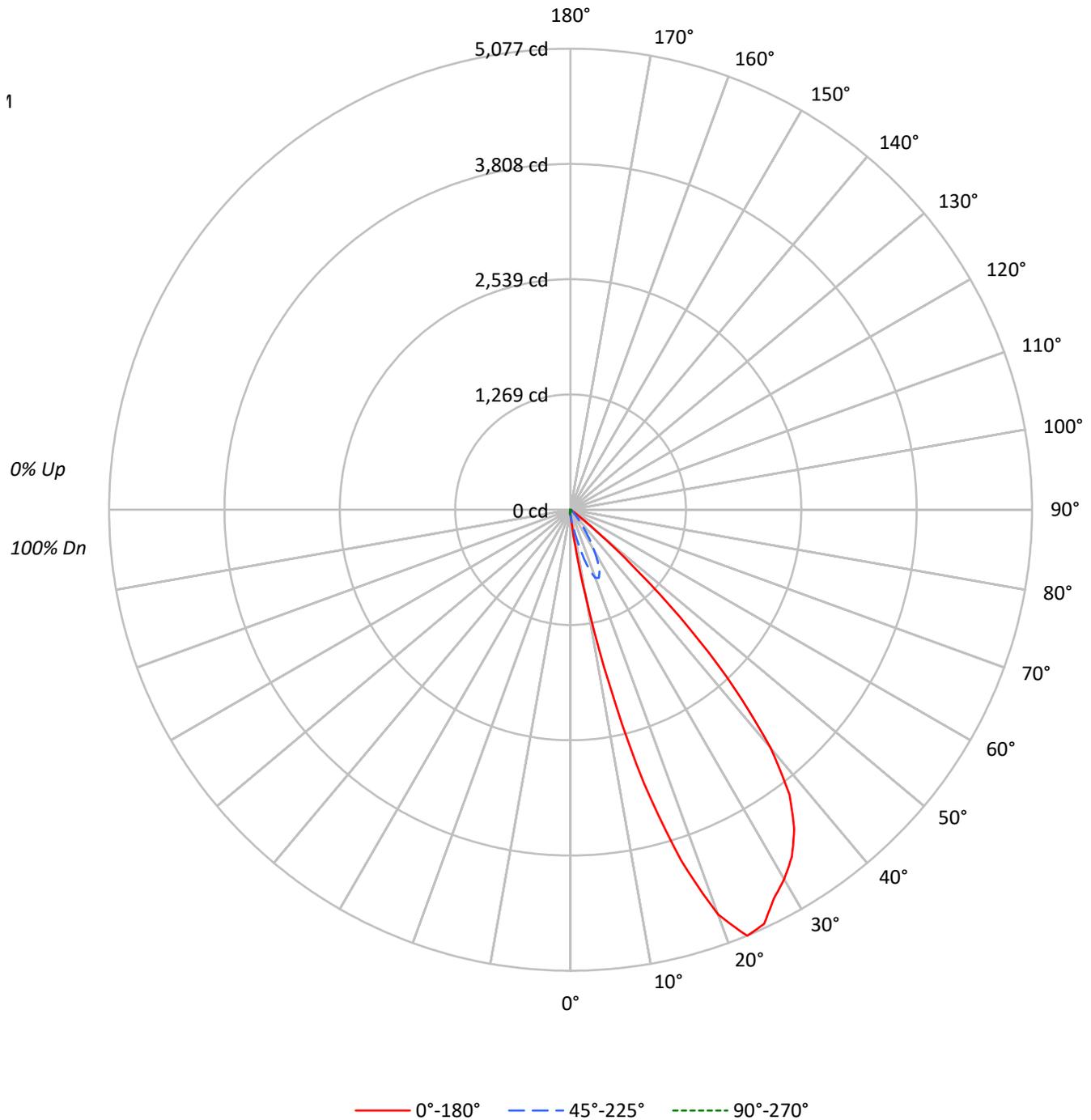
Test Method: LM-79-2019  
Report Number: P1317620  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R309827DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1197.1 lumens  
Efficiency: N/A  
Efficacy: 58.7 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): 20.4  
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





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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	100			100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92			92
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83			83
3	99	92	86	81	97	90	85	81	87	83	79	85	81	78	83	79	77	75			75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68			68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61			61
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55			55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50			50
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45			45
9	67	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	41			41
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37			37

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

	0°	45°	90°	135°	180°
0°	9799	9799	9799	9799	9799
5°	29493	19674	9266	4166	3406
10°	170805	41691	7275	1906	1347
15°	555612	94587	5064	392	196
20°	869404	146345	3207	0	0
25°	956518	142995	1672	0	0
30°	934231	103112	656	0	0
35°	901678	58637	231	0	0
40°	768954	24843	0	0	0
45°	451292	9328	268	0	268
50°	109611	1768	295	295	884
55°	9518	0	661	991	1321
60°	379	0	758	1137	1894
65°	448	448	1345	1345	2241
70°	554	554	1662	1662	2216
75°	0	732	2196	2196	2196
80°	0	1091	3273	2182	2182
85°	0	2174	6521	2174	2174

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 451292 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.4	0.9
10°-20°	164.5	13.7
20°-30°	418.1	34.9
30°-40°	416.7	34.8
40°-50°	168.8	14.1
50°-60°	11.7	1.0
60°-70°	2.6	0.2
70°-80°	2.6	0.2
80°-90°	1.5	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°	593.0	49.5
0°-40°	1009.7	84.4
0°-60°	1190.2	99.4
0°-90°	1197.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1197.1	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	57	57	57	57	57	
5°	171	114	54	24	20	40
15°	3116	530	28	2	1	907
25°	5034	752	9	0	0	2273
35°	4289	279	1	0	0	2629
45°	1853	38	1	0	1	1414
55°	32	0	2	3	4	83
65°	1	1	3	3	6	1
75°	0	1	3	3	3	0
85°	0	1	3	1	1	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°	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
2.5°	94.1	95.2	95.2	93.0	91.9	91.9	88.6	87.5	84.2	80.9	70.0
5°	170.6	167.3	163.0	163.0	153.1	147.7	140.0	131.3	124.7	113.8	80.9
7.5°	387.2	360.9	353.3	343.4	306.3	276.7	242.8	213.3	185.9	163.0	89.7
10°	976.7	925.3	882.7	796.3	688.0	584.1	487.8	376.3	299.7	238.4	96.3
12.5°	1967.7	1898.8	1816.8	1659.3	1456.9	1197.7	968.0	723.0	507.5	351.1	98.4
15°	3116.2	2999.2	2871.2	2671.0	2339.6	1967.7	1553.2	1162.7	814.9	530.5	96.3
17.5°	4052.5	4006.5	3817.3	3543.9	3138.1	2659.0	2148.2	1614.4	1099.3	694.6	89.7
20°	4743.7	4712.0	4483.4	4192.5	3735.3	3186.2	2537.6	1896.6	1297.2	798.5	79.8
22.5°	5077.3	5071.9	4906.7	4609.2	4124.7	3502.3	2788.1	2059.6	1358.5	812.7	66.7
25°	5033.6	5053.3	4959.2	4738.3	4273.4	3632.5	2862.4	2059.6	1313.6	752.5	55.8
27.5°	4834.5	4847.7	4788.6	4619.0	4185.9	3538.4	2758.5	1927.2	1183.5	646.4	45.9
30°	4697.8	4703.3	4630.0	4448.4	3989.0	3324.0	2513.5	1682.2	986.6	518.5	33.9
32.5°	4531.5	4530.5	4445.1	4237.3	3730.9	3023.2	2202.9	1390.2	758.0	393.8	19.7
35°	4288.7	4261.4	4145.4	3905.9	3345.9	2618.5	1805.8	1058.8	545.8	278.9	12.0
37.5°	3955.1	3884.0	3720.0	3399.5	2805.6	2053.0	1338.8	743.8	373.0	184.8	7.7
40°	3420.3	3344.8	3121.7	2732.3	2121.9	1477.7	902.4	484.5	235.2	110.5	4.4
42.5°	2682.0	2630.6	2329.8	1941.5	1401.1	942.8	542.5	286.6	132.3	63.4	1.1
45°	1852.9	1786.1	1549.9	1220.7	841.1	522.8	304.1	149.8	75.5	38.3	0.0
47.5°	1022.7	940.7	803.9	632.2	423.3	274.5	153.1	80.9	42.7	18.6	0.0
50°	409.1	405.8	322.7	229.7	161.9	124.7	76.6	43.8	21.9	6.6	1.1
52.5°	143.3	143.3	123.6	100.6	78.8	56.9	38.3	20.8	7.7	2.2	1.1
55°	31.7	35.0	32.8	30.6	29.5	25.2	16.4	7.7	2.2	0.0	1.1
57.5°	3.3	3.3	3.3	4.4	5.5	5.5	4.4	2.2	0.0	0.0	1.1
60°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	2.2
62.5°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	1.1	1.1	2.2
65°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2
67.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2
70°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	3.3
72.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	3.3
75°	0.0	0.0	1.1	1.1	0.0	1.1	1.1	1.1	1.1	1.1	3.3
77.5°	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	2.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	2.2
82.5°	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	2.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	2.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	2.2
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°	56.9	56.9	56.9	56.9	56.9
2.5°	56.9	44.8	37.2	32.8	31.7
5°	53.6	33.9	24.1	20.8	19.7
7.5°	48.1	25.2	16.4	13.1	12.0
10°	41.6	18.6	10.9	7.7	7.7
12.5°	35.0	14.2	6.6	3.3	2.2
15°	28.4	8.8	2.2	1.1	1.1
17.5°	21.9	5.5	0.0	0.0	0.0
20°	17.5	2.2	0.0	0.0	0.0
22.5°	13.1	1.1	0.0	0.0	0.0
25°	8.8	0.0	0.0	0.0	0.0
27.5°	5.5	0.0	0.0	0.0	0.0
30°	3.3	0.0	0.0	0.0	0.0
32.5°	1.1	0.0	0.0	0.0	0.0
35°	1.1	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°	1.1	0.0	0.0	1.1	1.1
47.5°	1.1	1.1	1.1	2.2	2.2
50°	1.1	1.1	1.1	2.2	3.3
52.5°	2.2	1.1	2.2	3.3	3.3
55°	2.2	2.2	3.3	4.4	4.4
57.5°	2.2	2.2	3.3	4.4	4.4
60°	2.2	2.2	3.3	4.4	5.5
62.5°	3.3	3.3	3.3	4.4	4.4
65°	3.3	3.3	3.3	4.4	5.5
67.5°	3.3	3.3	3.3	4.4	5.5
70°	3.3	3.3	3.3	4.4	4.4
72.5°	4.4	3.3	3.3	4.4	4.4
75°	3.3	3.3	3.3	3.3	3.3
77.5°	3.3	3.3	2.2	3.3	3.3
80°	3.3	2.2	2.2	2.2	2.2
82.5°	3.3	2.2	2.2	2.2	2.2
85°	3.3	2.2	1.1	1.1	1.1
87.5°	3.3	2.2	1.1	1.1	1.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)