

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: P1315761

Luminaire Tested: LDSQA3D17R309735DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

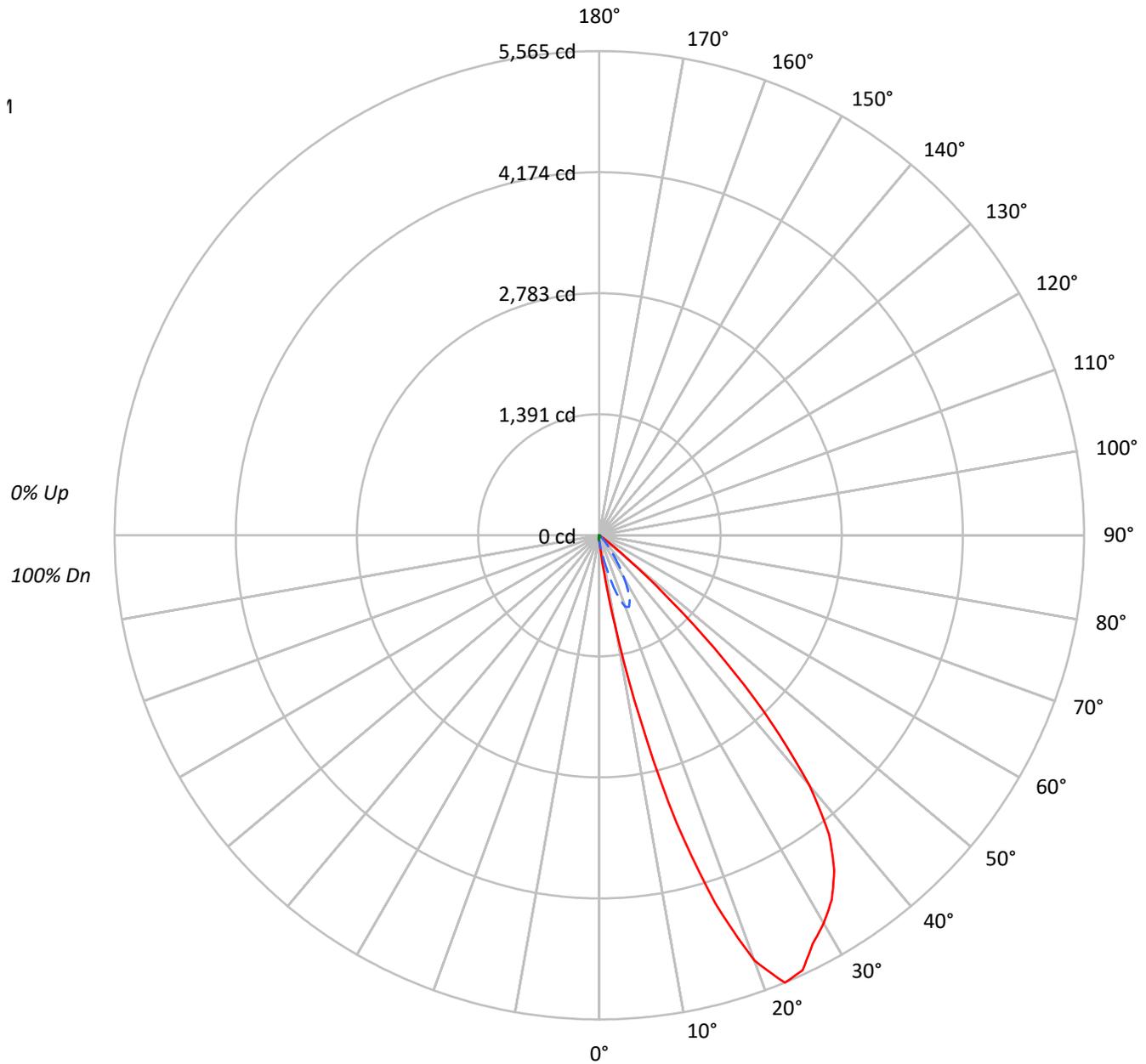
Test Method: LM-79-2019  
Report Number: P1315761  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R309735DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1312.0 lumens  
Efficiency: N/A  
Efficacy: 61.9 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): 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

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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	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	88	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°	10729	10729	10729	10729	10729
5°	32329	21558	10148	4564	3734
10°	187226	45713	7975	2099	1469
15°	608995	103680	5563	428	214
20°	952941	160403	3519	0	0
25°	1048415	156734	1824	0	0
30°	1023979	113015	716	0	0
35°	988320	64272	252	0	0
40°	842830	27226	0	0	0
45°	494645	10230	292	0	292
50°	120140	1929	322	322	965
55°	10449	0	721	1081	1441
60°	413	0	827	1240	2067
65°	489	489	1467	1467	2445
70°	604	604	1813	1813	2417
75°	0	799	2396	2396	2396
80°	0	1190	3570	2380	2380
85°	0	2371	7114	2371	2371

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 494645 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.5	0.9
10°-20°	180.3	13.7
20°-30°	458.2	34.9
30°-40°	456.7	34.8
40°-50°	185.0	14.1
50°-60°	12.8	1.0
60°-70°	2.9	0.2
70°-80°	2.9	0.2
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°	650.0	49.5
0°-40°	1106.8	84.4
0°-60°	1304.6	99.4
0°-90°	1312.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1312.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	62	62	62	62	62	
5°	187	125	59	26	22	43
15°	3416	582	31	2	1	994
25°	5517	825	10	0	0	2491
35°	4701	306	1	0	0	2881
45°	2031	42	1	0	1	1549
55°	35	0	2	4	5	91
65°	1	1	4	4	6	1
75°	0	1	4	4	4	0
85°	0	1	4	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°	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
2.5°	103.1	104.3	104.3	101.9	100.7	100.7	97.1	95.9	92.3	88.7	76.7
5°	187.0	183.4	178.6	178.6	167.8	161.8	153.5	143.9	136.7	124.7	88.7
7.5°	424.4	395.6	387.2	376.4	335.7	303.3	266.1	233.8	203.8	178.6	98.3
10°	1070.6	1014.2	967.5	872.8	754.1	640.2	534.7	412.4	328.5	261.4	105.5
12.5°	2156.8	2081.2	1991.3	1818.7	1596.9	1312.8	1061.0	792.5	556.3	384.8	107.9
15°	3415.6	3287.3	3147.0	2927.6	2564.4	2156.8	1702.4	1274.4	893.2	581.5	105.5
17.5°	4441.8	4391.5	4184.0	3884.3	3439.6	2914.4	2354.6	1769.5	1204.9	761.3	98.3
20°	5199.5	5164.7	4914.2	4595.3	4094.1	3492.3	2781.4	2078.8	1421.9	875.2	87.5
22.5°	5565.1	5559.1	5378.1	5052.0	4520.9	3838.8	3055.9	2257.5	1489.0	890.8	73.1
25°	5517.2	5538.8	5435.7	5193.5	4684.0	3981.4	3137.4	2257.5	1439.8	824.8	61.1
27.5°	5299.0	5313.4	5248.6	5062.8	4588.1	3878.3	3023.5	2112.4	1297.2	708.5	50.4
30°	5149.1	5155.1	5074.8	4875.8	4372.3	3643.4	2755.0	1843.9	1081.4	568.3	37.2
32.5°	4966.9	4965.7	4872.2	4644.4	4089.3	3313.7	2414.5	1523.8	830.8	431.6	21.6
35°	4700.8	4670.8	4543.7	4281.2	3667.3	2870.1	1979.3	1160.5	598.2	305.7	13.2
37.5°	4335.1	4257.2	4077.3	3726.1	3075.1	2250.3	1467.4	815.2	408.8	202.6	8.4
40°	3748.9	3666.1	3421.6	2994.8	2325.8	1619.7	989.1	531.1	257.8	121.1	4.8
42.5°	2939.6	2883.3	2553.6	2128.0	1535.7	1033.4	594.6	314.1	145.1	69.5	1.2
45°	2030.9	1957.8	1698.8	1337.9	921.9	573.1	333.3	164.2	82.7	42.0	0.0
47.5°	1120.9	1031.0	881.2	692.9	464.0	300.9	167.8	88.7	46.8	20.4	0.0
50°	448.4	444.8	353.7	251.8	177.4	136.7	83.9	48.0	24.0	7.2	1.2
52.5°	157.1	157.1	135.5	110.3	86.3	62.3	42.0	22.8	8.4	2.4	1.2
55°	34.8	38.4	36.0	33.6	32.4	27.6	18.0	8.4	2.4	0.0	1.2
57.5°	3.6	3.6	3.6	4.8	6.0	6.0	4.8	2.4	0.0	0.0	1.2
60°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	2.4
62.5°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	1.2	1.2	2.4
65°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4
67.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4
70°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.6
72.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.6
75°	0.0	0.0	1.2	1.2	0.0	1.2	1.2	1.2	1.2	1.2	3.6
77.5°	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	2.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	2.4
82.5°	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	2.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	2.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	2.4
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°	62.3	62.3	62.3	62.3	62.3
2.5°	62.3	49.2	40.8	36.0	34.8
5°	58.7	37.2	26.4	22.8	21.6
7.5°	52.8	27.6	18.0	14.4	13.2
10°	45.6	20.4	12.0	8.4	8.4
12.5°	38.4	15.6	7.2	3.6	2.4
15°	31.2	9.6	2.4	1.2	1.2
17.5°	24.0	6.0	0.0	0.0	0.0
20°	19.2	2.4	0.0	0.0	0.0
22.5°	14.4	1.2	0.0	0.0	0.0
25°	9.6	0.0	0.0	0.0	0.0
27.5°	6.0	0.0	0.0	0.0	0.0
30°	3.6	0.0	0.0	0.0	0.0
32.5°	1.2	0.0	0.0	0.0	0.0
35°	1.2	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°	1.2	0.0	0.0	1.2	1.2
47.5°	1.2	1.2	1.2	2.4	2.4
50°	1.2	1.2	1.2	2.4	3.6
52.5°	2.4	1.2	2.4	3.6	3.6
55°	2.4	2.4	3.6	4.8	4.8
57.5°	2.4	2.4	3.6	4.8	4.8
60°	2.4	2.4	3.6	4.8	6.0
62.5°	3.6	3.6	3.6	4.8	4.8
65°	3.6	3.6	3.6	4.8	6.0
67.5°	3.6	3.6	3.6	4.8	6.0
70°	3.6	3.6	3.6	4.8	4.8
72.5°	4.8	3.6	3.6	4.8	4.8
75°	3.6	3.6	3.6	3.6	3.6
77.5°	3.6	3.6	2.4	3.6	3.6
80°	3.6	2.4	2.4	2.4	2.4
82.5°	3.6	2.4	2.4	2.4	2.4
85°	3.6	2.4	1.2	1.2	1.2
87.5°	3.6	2.4	1.2	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)