

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: P1310498

Luminaire Tested: LDSQA3D17R259035DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

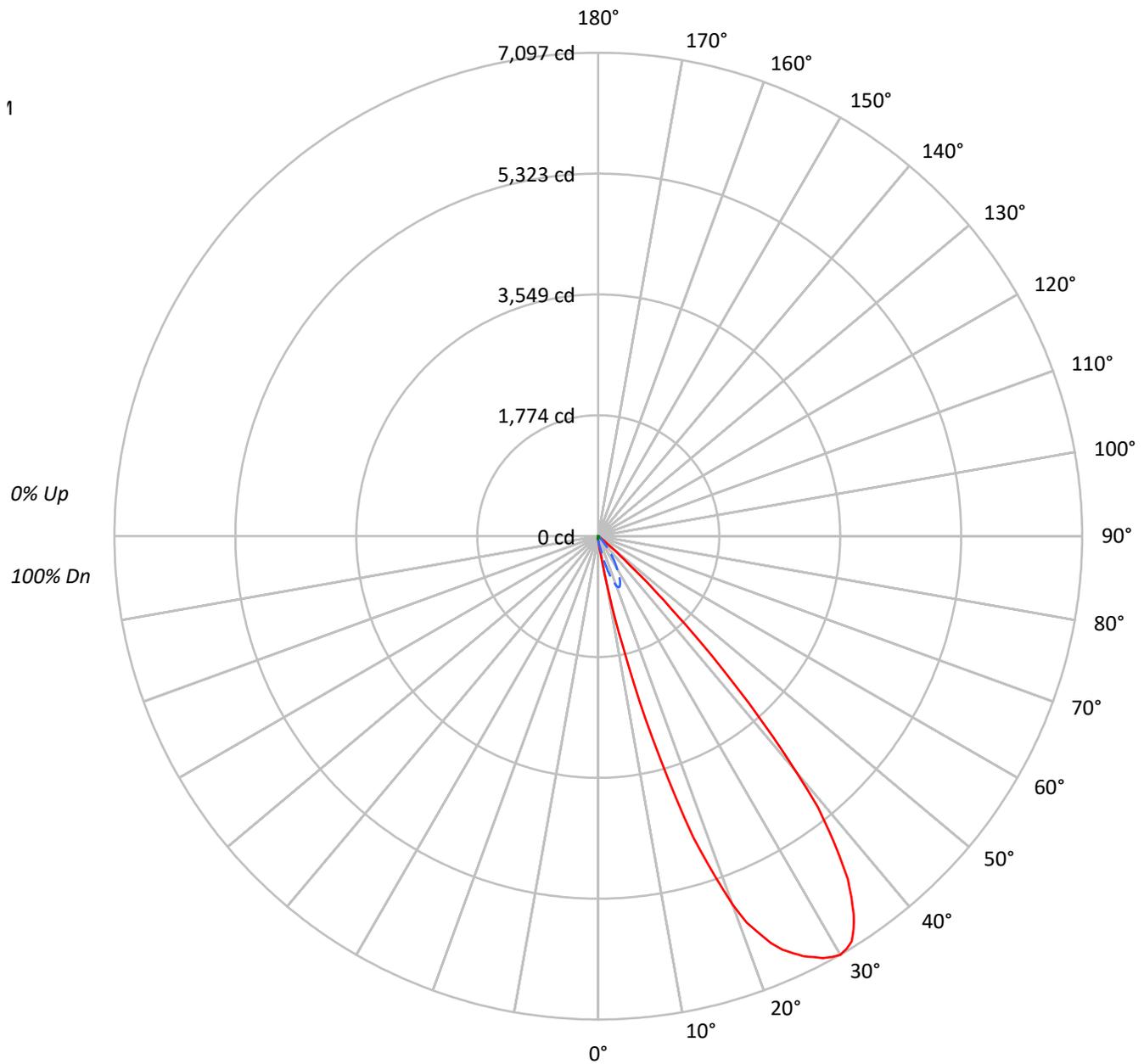
Test Method: LM-79-2019  
Report Number: P1310498  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R259035DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1419.9 lumens  
Efficiency: N/A  
Efficacy: 67.0 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

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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	104	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	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	55			55	
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	50			50	
8	71	60	52	48	70	59	52	47	58	52	47	57	51	47	56	51	47	45			45	
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	41			41	
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37			37	

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

	0°	45°	90°	135°	180°
0°	10488	10488	10488	10488	10488
5°	26347	19466	9854	5031	3890
10°	115158	33140	8114	2308	1626
15°	547571	89292	5670	945	713
20°	1054072	143028	3647	238	238
25°	1283744	144268	2014	0	0
30°	1411429	110390	795	0	0
35°	1360159	70201	273	0	0
40°	1016302	30373	0	0	292
45°	376251	8062	317	317	974
50°	44369	1072	697	697	1420
55°	4384	0	781	1201	1982
60°	448	0	1378	1826	2273
65°	530	530	2160	2690	3219
70°	655	655	2669	2669	3978
75°	865	865	2662	2662	3527
80°	0	1289	3967	2579	3967
85°	0	2569	7904	2569	2569

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 376251 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.9	0.6
10°-20°	165.5	11.7
20°-30°	519.6	36.6
30°-40°	547.0	38.5
40°-50°	160.7	11.3
50°-60°	8.6	0.6
60°-70°	4.2	0.3
70°-80°	3.6	0.3
80°-90°	1.8	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°	694.0	48.9
0°-40°	1241.0	87.4
0°-60°	1410.3	99.3
0°-90°	1419.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1419.9	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	61	61	61	61	61	
5°	152	113	57	29	22	27
15°	3071	501	32	5	4	968
25°	6756	759	11	0	0	3099
35°	6469	334	1	0	0	3904
45°	1545	33	1	1	4	1404
55°	15	0	3	4	7	37
65°	1	1	5	7	8	1
75°	1	1	4	4	5	1
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°	45°	67.5°	90°	112.5°
0°	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
2.5°	94.1	95.4	91.4	94.1	91.4	90.1	88.8	82.1	71.5	60.9	50.3
5°	152.4	152.4	145.7	144.4	141.8	136.5	131.2	112.6	80.8	57.0	39.7
7.5°	238.5	237.2	234.5	227.9	214.6	201.4	188.1	147.1	88.8	53.0	30.5
10°	658.5	649.2	637.3	565.7	484.9	413.4	351.1	189.5	95.4	46.4	22.5
12.5°	1636.2	1583.2	1457.4	1314.3	1131.4	939.3	751.2	308.7	98.0	38.4	15.9
15°	3071.1	2961.1	2765.0	2478.8	2105.2	1685.2	1327.5	500.8	95.4	31.8	11.9
17.5°	4637.1	4531.1	4259.5	3824.9	3275.1	2629.9	1996.6	663.8	88.8	26.5	7.9
20°	5751.3	5638.7	5384.3	4923.2	4328.4	3468.5	2628.6	780.4	83.5	19.9	4.0
21°	6077.2	5964.6	5695.7	5250.5	4625.1	3762.7	2831.3	800.2	79.5	17.2	2.6
22°	6283.9	6217.7	5928.8	5496.9	4859.7	3998.5	3004.8	809.5	76.8	15.9	2.6
23°	6491.9	6392.5	6122.3	5666.5	5038.5	4173.4	3133.3	802.9	74.2	13.2	1.3
24°	6645.6	6562.1	6248.1	5797.7	5163.0	4280.7	3208.9	785.7	70.2	11.9	1.3
25°	6755.6	6678.7	6351.5	5886.4	5246.5	4339.0	3232.7	759.2	66.2	10.6	1.3
26°	6860.2	6776.8	6437.6	5938.1	5290.2	4357.5	3210.2	730.0	62.3	9.3	0.0
27°	6935.7	6850.9	6497.2	5968.6	5292.9	4335.0	3149.2	690.3	58.3	7.9	0.0
28°	7016.6	6918.5	6538.3	5985.8	5277.0	4282.0	3061.8	647.9	55.6	6.6	0.0
29°	7065.6	6972.8	6580.7	6004.3	5243.9	4193.2	2934.6	597.5	49.0	4.0	0.0
30°	7097.4	6987.4	6576.7	5984.5	5200.1	4097.8	2782.2	555.1	42.4	4.0	0.0
31°	7070.9	6955.6	6534.3	5928.8	5129.9	3973.3	2625.9	502.1	34.4	2.6	0.0
32°	7013.9	6877.4	6460.1	5832.1	5004.1	3813.0	2464.3	458.4	25.2	2.6	0.0
33°	6874.8	6759.5	6326.3	5702.3	4839.8	3595.7	2253.6	416.0	17.2	1.3	0.0
34°	6699.9	6584.6	6143.5	5528.7	4619.8	3314.8	1997.9	372.3	14.6	1.3	0.0
35°	6469.4	6355.4	5936.8	5286.3	4328.4	2977.0	1734.3	333.9	11.9	1.3	0.0
36°	6226.9	6075.9	5675.8	5027.9	3937.5	2592.8	1452.1	290.1	9.3	1.3	0.0
37°	5870.5	5768.5	5324.7	4634.4	3514.9	2224.5	1246.7	250.4	6.6	1.3	0.0
38°	5500.9	5406.8	4973.6	4238.3	3043.2	1860.1	1044.0	212.0	5.3	0.0	0.0
39°	5119.3	4963.0	4535.1	3730.9	2549.1	1558.1	878.4	177.5	2.6	0.0	0.0
40°	4520.5	4401.2	3944.2	3121.4	2109.2	1262.6	748.6	135.1	2.6	0.0	0.0
42.5°	2996.9	2885.6	2406.0	1693.2	1120.8	738.0	494.2	53.0	0.0	1.3	0.0
45°	1544.8	1474.6	1197.7	886.3	635.9	453.1	318.0	33.1	0.0	1.3	1.3
47.5°	613.4	601.5	543.2	469.0	361.7	269.0	173.6	14.6	0.0	1.3	1.3
50°	165.6	166.9	156.3	144.4	131.2	123.2	72.9	4.0	0.0	2.6	1.3
52.5°	70.2	71.5	68.9	64.9	58.3	43.7	29.1	1.3	1.3	2.6	2.6
55°	14.6	15.9	17.2	18.5	21.2	18.5	11.9	0.0	1.3	2.6	2.6
57.5°	2.6	2.6	2.6	2.6	4.0	4.0	2.6	0.0	1.3	2.6	4.0
60°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	2.6	4.0	4.0
62.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6	4.0	5.3
65°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6	5.3	5.3
67.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	4.0	5.3	5.3
70°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	4.0	5.3	5.3
72.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	4.0	5.3	4.0
75°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	4.0	4.0	4.0
77.5°	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	2.6	4.0	4.0
80°	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	2.6	4.0	2.6



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**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	1.3	1.3	2.6	4.0	2.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.6	4.0	2.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.6	4.0	2.6
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):**

	135°	157.5°	180°
0°	60.9	60.9	60.9
2.5°	42.4	38.4	37.1
5°	29.1	25.2	22.5
7.5°	19.9	15.9	14.6
10°	13.2	10.6	9.3
12.5°	9.3	5.3	5.3
15°	5.3	4.0	4.0
17.5°	2.6	1.3	1.3
20°	1.3	1.3	1.3
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	1.3
39°	0.0	1.3	1.3
40°	0.0	1.3	1.3
42.5°	0.0	1.3	2.6
45°	1.3	2.6	4.0
47.5°	2.6	4.0	5.3
50°	2.6	5.3	5.3
52.5°	4.0	5.3	6.6
55°	4.0	6.6	6.6
57.5°	5.3	6.6	7.9
60°	5.3	6.6	6.6
62.5°	5.3	7.9	7.9
65°	6.6	7.9	7.9
67.5°	6.6	7.9	7.9
70°	5.3	6.6	7.9
72.5°	5.3	6.6	6.6
75°	4.0	5.3	5.3
77.5°	4.0	4.0	5.3
80°	2.6	4.0	4.0



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**CANDELA DISTRIBUTION (continued):**

	135°	157.5°	180°
82.5°	2.6	2.6	2.6
85°	1.3	1.3	1.3
87.5°	1.3	1.3	1.3
90°	0.0	0.0	0.0

(END OF REPORT)