

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: P1311616

Luminaire Tested: LDSQA3D17R259040DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311616
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: LDSQA3D17R259040DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

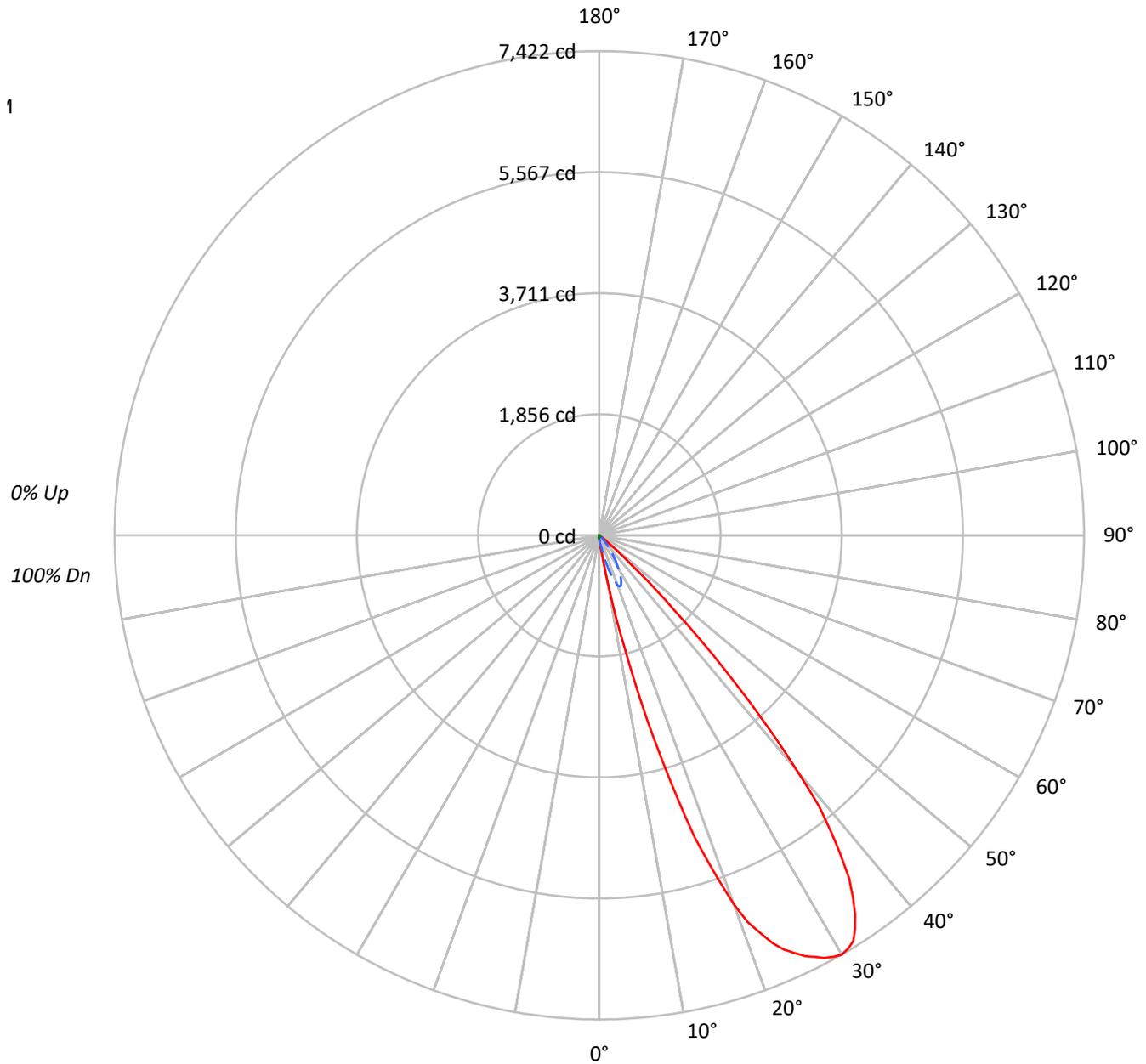
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1485.0 lumens
Efficiency: N/A
Efficacy: 70.0 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 (A_{in}): 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	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°	10971	10971	10971	10971	10971
5°	27540	20365	10304	5273	4080
10°	120422	34644	8482	2431	1696
15°	572622	93375	5937	981	749
20°	1102329	149571	3812	257	257
25°	1342500	150862	2109	0	0
30°	1476040	115441	835	0	0
35°	1422413	73418	294	0	0
40°	1062817	31767	0	0	315
45°	393471	8427	341	341	1023
50°	46406	1125	750	750	1474
55°	4564	0	841	1261	2072
60°	482	0	1447	1894	2377
65°	571	571	2241	2812	3382
70°	705	705	2769	2769	4179
75°	932	932	2795	2795	3660
80°	0	1389	4166	2777	4166
85°	0	2766	8299	2766	2766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 393471 cd/sqm



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CATALOG NUMBER: LDSQA3D17R259040DE010 3LSQCA30R 1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.3	0.6
10°-20°	173.1	11.7
20°-30°	543.4	36.6
30°-40°	572.0	38.5
40°-50°	168.1	11.3
50°-60°	9.0	0.6
60°-70°	4.4	0.3
70°-80°	3.8	0.3
80°-90°	2.0	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°	725.8	48.9
0°-40°	1297.9	87.4
0°-60°	1474.9	99.3
0°-90°	1485.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1485.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	64	64	64	64	64	
5°	159	118	60	30	24	28
15°	3212	524	33	6	4	1012
25°	7065	794	11	0	0	3240
35°	6766	349	1	0	0	4083
45°	1616	35	1	1	4	1468
55°	15	0	3	4	7	39
65°	1	1	6	7	8	1
75°	1	1	4	4	6	1
85°	0	1	4	1	1	0
90°	0	0	0	0	0	



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CATALOG NUMBER: LDSQA3D17R259040DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
2.5°	98.4	99.8	95.6	98.4	95.6	94.2	92.8	85.9	74.8	63.7	52.6
5°	159.3	159.3	152.4	151.0	148.3	142.7	137.2	117.8	84.5	59.6	41.6
7.5°	249.4	248.0	245.2	238.3	224.5	210.6	196.7	153.8	92.8	55.4	31.9
10°	688.6	678.9	666.4	591.6	507.1	432.3	367.2	198.1	99.8	48.5	23.6
12.5°	1711.1	1655.7	1524.1	1374.4	1183.2	982.3	785.6	322.8	102.5	40.2	16.6
15°	3211.6	3096.6	2891.6	2592.3	2201.6	1762.4	1388.3	523.7	99.8	33.3	12.5
17.5°	4849.3	4738.5	4454.5	4000.0	3425.0	2750.3	2088.0	694.1	92.8	27.7	8.3
20°	6014.6	5896.8	5630.8	5148.6	4526.5	3627.3	2748.9	816.1	87.3	20.8	4.2
21°	6355.4	6237.6	5956.4	5490.8	4836.9	3934.9	2960.9	836.9	83.1	18.0	2.8
22°	6571.5	6502.3	6200.2	5748.5	5082.1	4181.5	3142.4	846.6	80.4	16.6	2.8
23°	6789.1	6685.2	6402.5	5925.9	5269.1	4364.4	3276.8	839.6	77.6	13.9	1.4
24°	6949.8	6862.5	6534.1	6063.1	5399.4	4476.6	3355.7	821.6	73.4	12.5	1.4
25°	7064.8	6984.4	6642.2	6155.9	5486.7	4537.6	3380.7	793.9	69.3	11.1	1.4
26°	7174.2	7087.0	6732.3	6209.9	5532.4	4557.0	3357.1	763.4	65.1	9.7	0.0
27°	7253.2	7164.5	6794.6	6241.8	5535.2	4533.4	3293.4	721.9	61.0	8.3	0.0
28°	7337.7	7235.2	6837.6	6259.8	5518.5	4478.0	3201.9	677.5	58.2	6.9	0.0
29°	7389.0	7292.0	6881.9	6279.2	5483.9	4385.2	3068.9	624.9	51.3	4.2	0.0
30°	7422.3	7307.3	6877.7	6258.4	5438.2	4285.4	2909.6	580.5	44.3	4.2	0.0
31°	7394.5	7274.0	6833.4	6200.2	5364.7	4155.2	2746.1	525.1	36.0	2.8	0.0
32°	7335.0	7192.3	6755.8	6099.1	5233.1	3987.5	2577.1	479.4	26.3	2.8	0.0
33°	7189.5	7068.9	6615.9	5963.3	5061.3	3760.3	2356.8	435.1	18.0	1.4	0.0
34°	7006.6	6886.1	6424.7	5781.8	4831.3	3466.6	2089.4	389.3	15.2	1.4	0.0
35°	6765.5	6646.4	6208.5	5528.2	4526.5	3113.3	1813.7	349.2	12.5	1.4	0.0
36°	6512.0	6354.0	5935.6	5258.1	4117.8	2711.5	1518.5	303.4	9.7	1.4	0.0
37°	6139.3	6032.6	5568.4	4846.6	3675.8	2326.3	1303.8	261.9	6.9	1.4	0.0
38°	5752.7	5654.3	5201.3	4432.3	3182.5	1945.3	1091.8	221.7	5.5	0.0	0.0
39°	5353.7	5190.2	4742.6	3901.6	2665.7	1629.4	918.6	185.7	2.8	0.0	0.0
40°	4727.4	4602.7	4124.7	3264.3	2205.8	1320.4	782.8	141.3	2.8	0.0	0.0
42.5°	3134.1	3017.7	2516.1	1770.7	1172.2	771.7	516.8	55.4	0.0	1.4	0.0
45°	1615.5	1542.1	1252.5	926.9	665.1	473.8	332.5	34.6	0.0	1.4	1.4
47.5°	641.5	629.0	568.1	490.5	378.2	281.3	181.5	15.2	0.0	1.4	1.4
50°	173.2	174.6	163.5	151.0	137.2	128.9	76.2	4.2	0.0	2.8	1.4
52.5°	73.4	74.8	72.0	67.9	61.0	45.7	30.5	1.4	1.4	2.8	2.8
55°	15.2	16.6	18.0	19.4	22.2	19.4	12.5	0.0	1.4	2.8	2.8
57.5°	2.8	2.8	2.8	2.8	4.2	4.2	2.8	0.0	1.4	2.8	4.2
60°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	2.8	4.2	4.2
62.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8	4.2	5.5
65°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8	5.5	5.5
67.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	4.2	5.5	5.5
70°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	4.2	5.5	5.5
72.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	4.2	5.5	4.2
75°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	4.2	4.2	4.2
77.5°	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	2.8	4.2	4.2
80°	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	2.8	4.2	2.8



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CATALOG NUMBER: LDSQA3D17R259040DE010 3LSQCA30R 1MW

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	1.4	1.4	2.8	4.2	2.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	4.2	2.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	4.2	2.8
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°	63.7	63.7	63.7
2.5°	44.3	40.2	38.8
5°	30.5	26.3	23.6
7.5°	20.8	16.6	15.2
10°	13.9	11.1	9.7
12.5°	9.7	5.5	5.5
15°	5.5	4.2	4.2
17.5°	2.8	1.4	1.4
20°	1.4	1.4	1.4
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	1.4
39°	0.0	1.4	1.4
40°	0.0	1.4	1.4
42.5°	0.0	1.4	2.8
45°	1.4	2.8	4.2
47.5°	2.8	4.2	5.5
50°	2.8	5.5	5.5
52.5°	4.2	5.5	6.9
55°	4.2	6.9	6.9
57.5°	5.5	6.9	8.3
60°	5.5	6.9	6.9
62.5°	5.5	8.3	8.3
65°	6.9	8.3	8.3
67.5°	6.9	8.3	8.3
70°	5.5	6.9	8.3
72.5°	5.5	6.9	6.9
75°	4.2	5.5	5.5
77.5°	4.2	4.2	5.5
80°	2.8	4.2	4.2



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	2.8	2.8	2.8
85°	1.4	1.4	1.4
87.5°	1.4	1.4	1.4
90°	0.0	0.0	0.0

(END OF REPORT)