

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: P1313503

Luminaire Tested: LDSQA3D09R309727DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313503
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: LDSQA3D09R309727DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

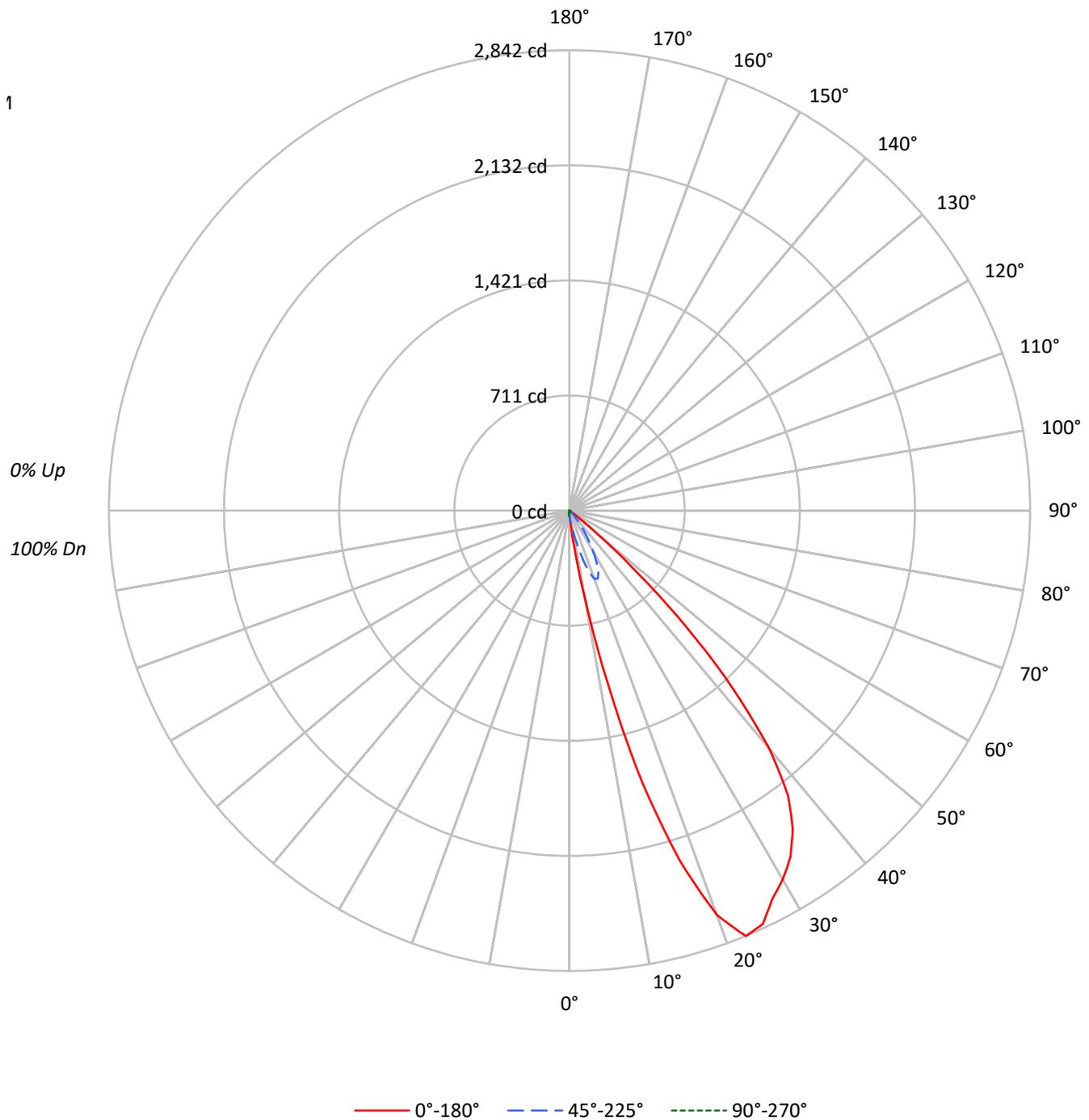
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 669.9 lumens
Efficiency: N/A
Efficacy: 60.4 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): 11.1
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





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	104	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°	5477	5477	5477	5477	5477
5°	16510	11012	5186	2334	1902
10°	95607	23346	4075	1067	752
15°	310987	52937	2835	214	107
20°	486633	81906	1796	0	0
25°	535400	80039	931	0	0
30°	522917	57711	358	0	0
35°	504693	32819	126	0	0
40°	430397	13894	0	0	0
45°	252596	5212	146	0	146
50°	61356	991	161	161	482
55°	5345	0	360	540	721
60°	207	0	413	620	1068
65°	245	245	734	734	1263
70°	302	302	906	906	1209
75°	0	399	1198	1198	1198
80°	0	595	1785	1190	1190
85°	0	1186	3557	1186	1186

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 252596 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.8	0.9
10°-20°	92.1	13.7
20°-30°	234.0	34.9
30°-40°	233.2	34.8
40°-50°	94.5	14.1
50°-60°	6.5	1.0
60°-70°	1.4	0.2
70°-80°	1.4	0.2
80°-90°	0.8	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°	331.9	49.6
0°-40°	565.2	84.4
0°-60°	666.2	99.4
0°-90°	669.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	669.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	32	32	32	32	32	
5°	96	64	30	14	11	22
15°	1744	297	16	1	1	508
25°	2818	421	5	0	0	1272
35°	2400	156	1	0	0	1471
45°	1037	21	1	0	1	791
55°	18	0	1	2	2	46
65°	1	1	2	2	3	1
75°	0	1	2	2	2	0
85°	0	1	2	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°	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8
2.5°	52.7	53.3	53.3	52.0	51.4	51.4	49.6	49.0	47.1	45.3	39.2
5°	95.5	93.7	91.2	91.2	85.7	82.7	78.4	73.5	69.8	63.7	45.3
7.5°	216.7	202.0	197.7	192.2	171.4	154.9	135.9	119.4	104.1	91.2	50.2
10°	546.7	517.9	494.1	445.7	385.1	326.9	273.1	210.6	167.8	133.5	53.9
12.5°	1101.4	1062.8	1016.9	928.7	815.5	670.4	541.8	404.7	284.1	196.5	55.1
15°	1744.2	1678.7	1607.1	1495.1	1309.6	1101.4	869.4	650.8	456.1	296.9	53.9
17.5°	2268.3	2242.6	2136.7	1983.6	1756.5	1488.3	1202.4	903.6	615.3	388.8	50.2
20°	2655.2	2637.5	2509.5	2346.7	2090.8	1783.4	1420.4	1061.6	726.1	446.9	44.7
22.5°	2842.0	2838.9	2746.4	2579.9	2308.7	1960.3	1560.6	1152.8	760.4	454.9	37.3
25°	2817.5	2828.5	2775.8	2652.2	2392.0	2033.2	1602.2	1152.8	735.3	421.2	31.2
27.5°	2706.0	2713.4	2680.3	2585.4	2343.0	1980.6	1544.0	1078.7	662.4	361.8	25.7
30°	2629.5	2632.6	2591.6	2489.9	2232.8	1860.6	1406.9	941.6	552.2	290.2	19.0
32.5°	2536.5	2535.8	2488.1	2371.8	2088.3	1692.2	1233.0	778.1	424.3	220.4	11.0
35°	2400.5	2385.2	2320.3	2186.3	1872.8	1465.7	1010.8	592.6	305.5	156.1	6.7
37.5°	2213.8	2174.0	2082.2	1902.8	1570.4	1149.1	749.4	416.3	208.8	103.5	4.3
40°	1914.4	1872.2	1747.3	1529.3	1187.7	827.1	505.1	271.2	131.6	61.8	2.4
42.5°	1501.2	1472.4	1304.0	1086.7	784.3	527.7	303.7	160.4	74.1	35.5	0.6
45°	1037.1	999.8	867.5	683.2	470.8	292.6	170.2	83.9	42.2	21.4	0.0
47.5°	572.4	526.5	450.0	353.9	236.9	153.7	85.7	45.3	23.9	10.4	0.0
50°	229.0	227.1	180.6	128.6	90.6	69.8	42.9	24.5	12.2	3.7	0.6
52.5°	80.2	80.2	69.2	56.3	44.1	31.8	21.4	11.6	4.3	1.2	0.6
55°	17.8	19.6	18.4	17.1	16.5	14.1	9.2	4.3	1.2	0.0	0.6
57.5°	1.8	1.8	1.8	2.4	3.1	3.1	2.4	1.2	0.0	0.0	0.6
60°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0	1.2
62.5°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.6	0.6	1.2
65°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2
67.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2
70°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.8
72.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.8
75°	0.0	0.0	0.6	0.6	0.0	0.6	0.6	0.6	0.6	0.6	1.8
77.5°	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	1.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	1.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	1.2
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°	31.8	31.8	31.8	31.8	31.8
2.5°	31.8	25.1	20.8	18.4	17.8
5°	30.0	19.0	13.5	11.6	11.0
7.5°	26.9	14.1	9.2	7.3	6.7
10°	23.3	10.4	6.1	4.3	4.3
12.5°	19.6	8.0	3.7	1.8	1.2
15°	15.9	4.9	1.2	0.6	0.6
17.5°	12.2	3.1	0.0	0.0	0.0
20°	9.8	1.2	0.0	0.0	0.0
22.5°	7.3	0.6	0.0	0.0	0.0
25°	4.9	0.0	0.0	0.0	0.0
27.5°	3.1	0.0	0.0	0.0	0.0
30°	1.8	0.0	0.0	0.0	0.0
32.5°	0.6	0.0	0.0	0.0	0.0
35°	0.6	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°	0.6	0.0	0.0	0.6	0.6
47.5°	0.6	0.6	0.6	1.2	1.2
50°	0.6	0.6	0.6	1.2	1.8
52.5°	1.2	0.6	1.2	1.8	1.8
55°	1.2	1.2	1.8	2.4	2.4
57.5°	1.2	1.2	1.8	2.4	2.4
60°	1.2	1.2	1.8	2.4	3.1
62.5°	1.8	1.8	1.8	2.4	2.4
65°	1.8	1.8	1.8	2.4	3.1
67.5°	1.8	1.8	1.8	2.4	3.1
70°	1.8	1.8	1.8	2.4	2.4
72.5°	2.4	1.8	1.8	2.4	2.4
75°	1.8	1.8	1.8	1.8	1.8
77.5°	1.8	1.8	1.2	1.8	1.8
80°	1.8	1.2	1.2	1.2	1.2
82.5°	1.8	1.2	1.2	1.2	1.2
85°	1.8	1.2	0.6	0.6	0.6
87.5°	1.8	1.2	0.6	0.6	0.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)