

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: P1312385

Luminaire Tested: LDSQA3D09R309050DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312385
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: LDSQA3D09R309050DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

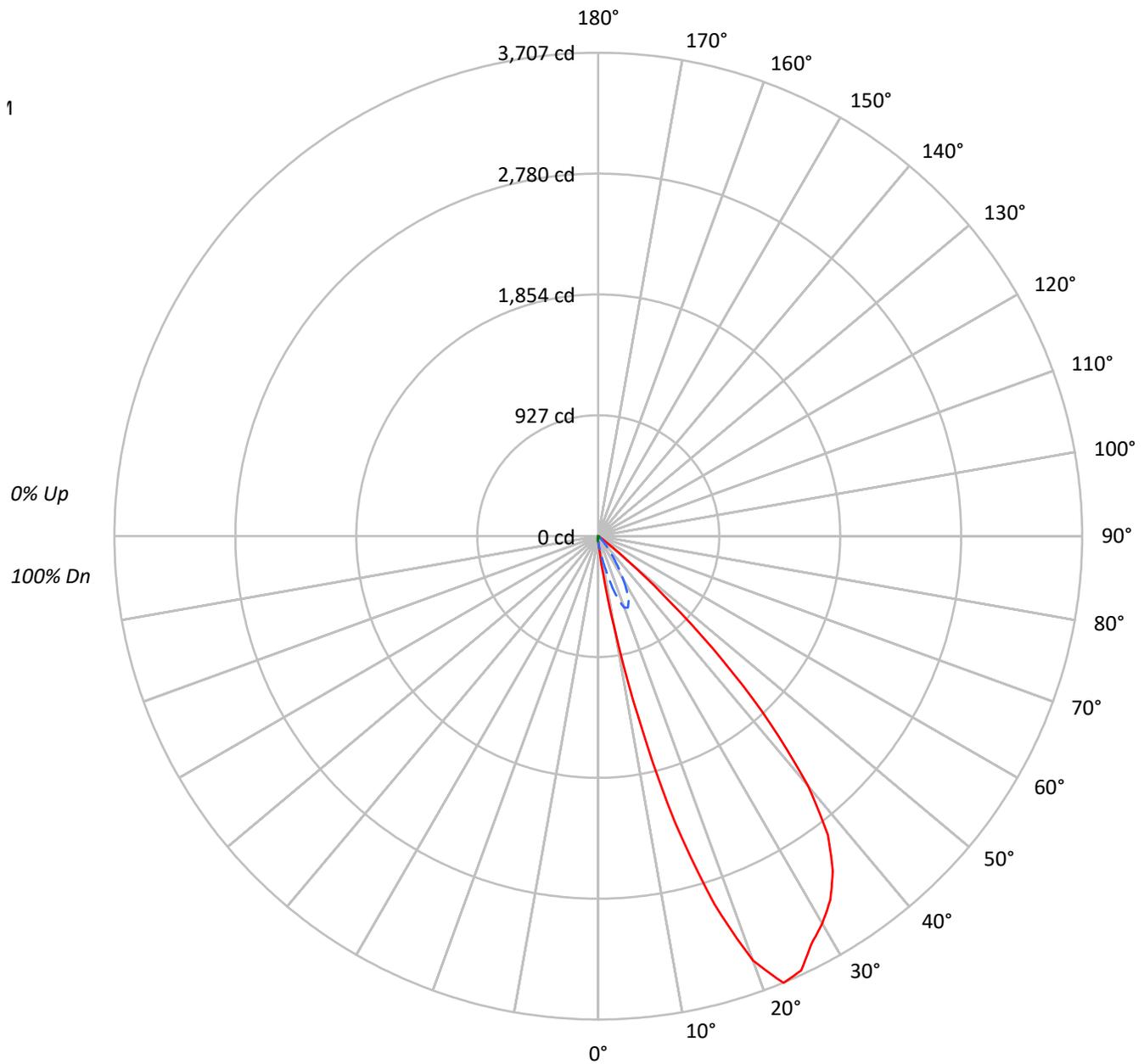
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 874.0 lumens
Efficiency: N/A
Efficacy: 78.7 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): 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



— 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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92	92	92
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83	83	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75	75	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68	68	68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61	61	61
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55	55	55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50	50	50
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45	45	45
9	67	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	41	41	41
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37	37	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	7147	7147	7147	7147	7147
5°	21541	14366	6760	3043	2489
10°	124724	30447	5299	1399	979
15°	405681	69055	3709	285	143
20°	634811	106850	2346	0	0
25°	698405	104420	1216	0	0
30°	682129	75291	477	0	0
35°	658382	42827	168	0	0
40°	561445	18143	0	0	0
45°	329512	6820	195	0	195
50°	80031	1286	214	214	643
55°	6966	0	480	721	961
60°	276	0	551	827	1378
65°	326	326	978	978	1630
70°	403	403	1209	1209	1611
75°	0	532	1597	1597	1597
80°	0	793	2380	1587	1587
85°	0	1581	4742	1581	1581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 329512 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.6	0.9
10°-20°	120.1	13.7
20°-30°	305.3	34.9
30°-40°	304.3	34.8
40°-50°	123.3	14.1
50°-60°	8.5	1.0
60°-70°	1.9	0.2
70°-80°	1.9	0.2
80°-90°	1.1	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°	433.0	49.5
0°-40°	737.3	84.4
0°-60°	869.1	99.4
0°-90°	874.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	874.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	42	42	42	42	42	
5°	125	83	39	18	14	29
15°	2275	387	21	2	1	662
25°	3675	550	6	0	0	1659
35°	3132	204	1	0	0	1919
45°	1353	28	1	0	1	1032
55°	23	0	2	2	3	61
65°	1	1	2	2	4	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°	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
2.5°	68.7	69.5	69.5	67.9	67.1	67.1	64.7	63.9	61.5	59.1	51.1
5°	124.6	122.2	119.0	119.0	111.8	107.8	102.2	95.8	91.0	83.1	59.1
7.5°	282.7	263.5	258.0	250.8	223.6	202.1	177.3	155.7	135.8	119.0	65.5
10°	713.2	675.6	644.5	581.4	502.3	426.5	356.2	274.7	218.8	174.1	70.3
12.5°	1436.7	1386.4	1326.5	1211.5	1063.8	874.5	706.8	527.9	370.6	256.4	71.9
15°	2275.3	2189.9	2096.4	1950.3	1708.3	1436.7	1134.1	848.9	595.0	387.3	70.3
17.5°	2958.9	2925.4	2787.2	2587.6	2291.3	1941.5	1568.5	1178.8	802.6	507.1	65.5
20°	3463.7	3440.5	3273.6	3061.2	2727.3	2326.4	1852.8	1384.8	947.2	583.0	58.3
22.5°	3707.3	3703.3	3582.7	3365.5	3011.7	2557.2	2035.7	1503.8	991.9	593.4	48.7
25°	3675.3	3689.7	3621.0	3459.7	3120.3	2652.3	2090.0	1503.8	959.2	549.5	40.7
27.5°	3530.0	3539.6	3496.4	3372.6	3056.4	2583.6	2014.2	1407.2	864.1	472.0	33.5
30°	3430.1	3434.1	3380.6	3248.1	2912.6	2427.1	1835.3	1228.3	720.4	378.6	24.8
32.5°	3308.7	3307.9	3245.7	3093.9	2724.1	2207.4	1608.5	1015.1	553.5	287.5	14.4
35°	3131.5	3111.5	3026.8	2851.9	2443.0	1911.9	1318.5	773.1	398.5	203.7	8.8
37.5°	2887.9	2836.0	2716.2	2482.2	2048.5	1499.0	977.5	543.1	272.3	135.0	5.6
40°	2497.3	2442.2	2279.3	1995.0	1549.4	1079.0	658.9	353.8	171.7	80.7	3.2
42.5°	1958.3	1920.7	1701.1	1417.6	1023.1	688.4	396.1	209.2	96.6	46.3	0.8
45°	1352.9	1304.2	1131.7	891.3	614.2	381.7	222.0	109.4	55.1	28.0	0.0
47.5°	746.7	686.8	587.0	461.6	309.1	200.5	111.8	59.1	31.1	13.6	0.0
50°	298.7	296.3	235.6	167.7	118.2	91.0	55.9	31.9	16.0	4.8	0.8
52.5°	104.6	104.6	90.2	73.5	57.5	41.5	28.0	15.2	5.6	1.6	0.8
55°	23.2	25.6	24.0	22.4	21.6	18.4	12.0	5.6	1.6	0.0	0.8
57.5°	2.4	2.4	2.4	3.2	4.0	4.0	3.2	1.6	0.0	0.0	0.8
60°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	1.6
62.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.8	0.8	1.6
65°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6
67.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6
70°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.4
72.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.4
75°	0.0	0.0	0.8	0.8	0.0	0.8	0.8	0.8	0.8	0.8	2.4
77.5°	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	1.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	1.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.6
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):

	90°	112.5°	135°	157.5°	180°
0°	41.5	41.5	41.5	41.5	41.5
2.5°	41.5	32.7	27.2	24.0	23.2
5°	39.1	24.8	17.6	15.2	14.4
7.5°	35.1	18.4	12.0	9.6	8.8
10°	30.3	13.6	8.0	5.6	5.6
12.5°	25.6	10.4	4.8	2.4	1.6
15°	20.8	6.4	1.6	0.8	0.8
17.5°	16.0	4.0	0.0	0.0	0.0
20°	12.8	1.6	0.0	0.0	0.0
22.5°	9.6	0.8	0.0	0.0	0.0
25°	6.4	0.0	0.0	0.0	0.0
27.5°	4.0	0.0	0.0	0.0	0.0
30°	2.4	0.0	0.0	0.0	0.0
32.5°	0.8	0.0	0.0	0.0	0.0
35°	0.8	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°	0.8	0.0	0.0	0.8	0.8
47.5°	0.8	0.8	0.8	1.6	1.6
50°	0.8	0.8	0.8	1.6	2.4
52.5°	1.6	0.8	1.6	2.4	2.4
55°	1.6	1.6	2.4	3.2	3.2
57.5°	1.6	1.6	2.4	3.2	3.2
60°	1.6	1.6	2.4	3.2	4.0
62.5°	2.4	2.4	2.4	3.2	3.2
65°	2.4	2.4	2.4	3.2	4.0
67.5°	2.4	2.4	2.4	3.2	4.0
70°	2.4	2.4	2.4	3.2	3.2
72.5°	3.2	2.4	2.4	3.2	3.2
75°	2.4	2.4	2.4	2.4	2.4
77.5°	2.4	2.4	1.6	2.4	2.4
80°	2.4	1.6	1.6	1.6	1.6
82.5°	2.4	1.6	1.6	1.6	1.6
85°	2.4	1.6	0.8	0.8	0.8
87.5°	2.4	1.6	0.8	0.8	0.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)