

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: P1311323

Luminaire Tested: LDSQA3D09R359040DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311323
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R359040DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

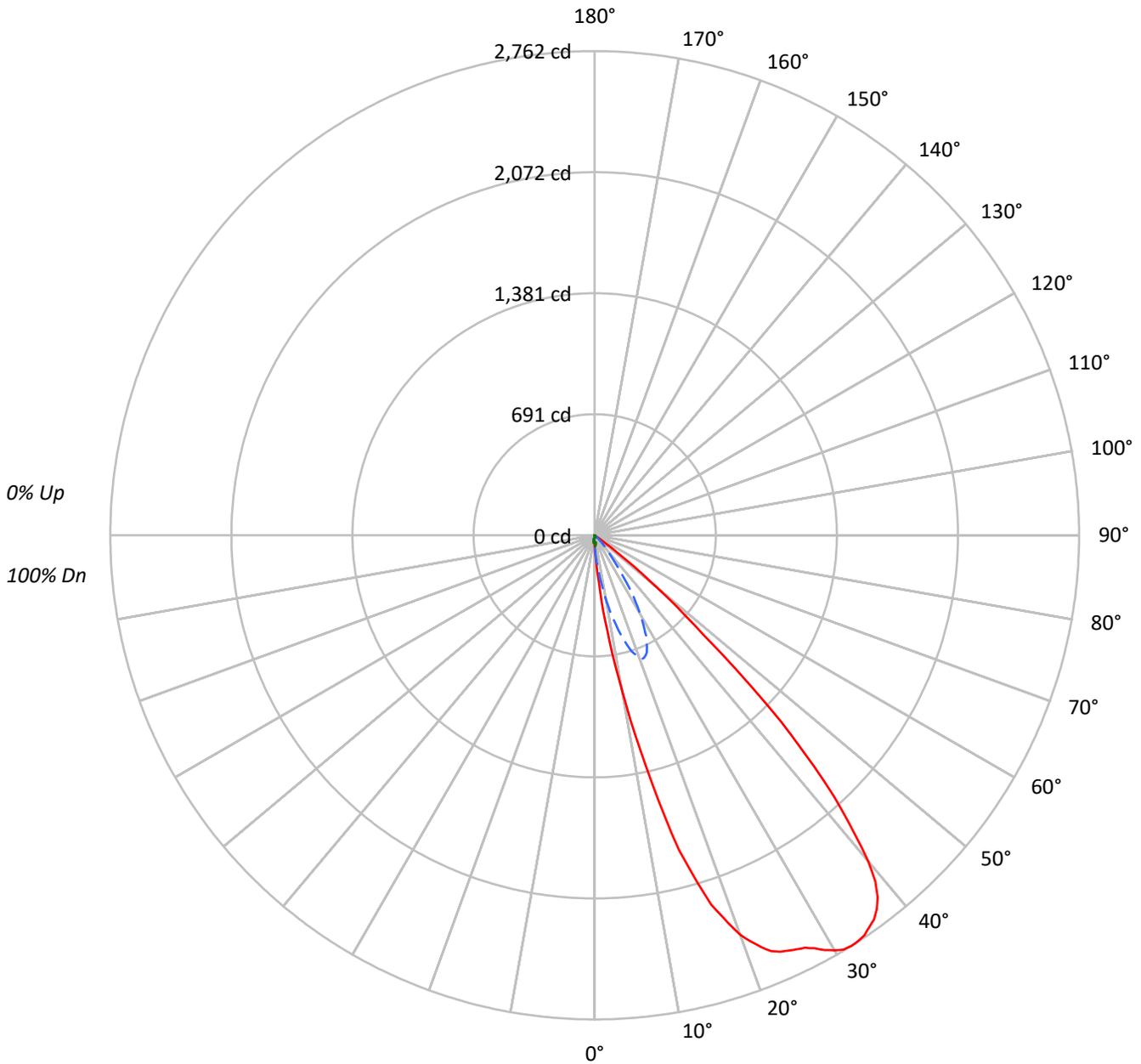
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 825.0 lumens
Efficiency: N/A
Efficacy: 74.3 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29
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				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	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	96	95	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	89	87	85	83
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	82	79	76	75
4	93	84	77	72	91	82	76	72	80	75	71	78	73	70	76	72	69	76	72	69	67
5	86	76	70	64	85	75	69	64	74	68	63	72	67	63	70	66	62	70	66	62	61
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	65	60	56	55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	60	55	51	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	46	55	50	46	55	50	46	45
9	66	54	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	51	46	42	40
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	10712	10712	10712	10712	10712
5°	46539	28854	9941	3544	2455
10°	156640	65108	7432	822	280
15°	331456	106783	4636	0	0
20°	444425	136449	2163	0	0
25°	496692	134007	456	0	0
30°	543738	102674	0	0	0
35°	573864	55925	0	0	0
40°	545527	25135	0	0	0
45°	366143	11106	0	0	0
50°	122310	1045	0	0	0
55°	6606	0	0	0	0
60°	0	0	276	0	0
65°	0	0	652	0	0
70°	0	403	806	0	0
75°	0	532	1065	0	0
80°	0	793	1587	0	0
85°	0	1581	3162	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 366143 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.4	1.6
10°-20°	114.5	13.9
20°-30°	251.2	30.4
30°-40°	290.5	35.2
40°-50°	143.4	17.4
50°-60°	10.6	1.3
60°-70°	0.4	0.0
70°-80°	0.6	0.1
80°-90°	0.5	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°	379.0	45.9
0°-40°	669.5	81.1
0°-60°	823.5	99.8
0°-90°	825.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	825.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	62	62	62	62	62	
5°	269	167	58	20	14	46
15°	1859	599	26	0	0	525
25°	2614	705	2	0	0	1208
35°	2730	266	0	0	0	1685
45°	1503	46	0	0	0	1103
55°	22	0	0	0	0	90
65°	0	0	2	0	0	0
75°	0	1	2	0	0	0
85°	0	1	2	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
2.5°	123.6	126.7	125.1	125.1	124.4	120.4	113.3	111.0	102.3	81.1	63.0
5°	269.2	270.0	267.6	255.8	245.6	236.1	215.7	206.2	166.9	99.2	57.5
7.5°	546.2	534.4	519.5	502.9	466.7	433.7	390.4	344.7	258.2	114.9	51.2
10°	895.7	879.1	866.5	827.2	761.9	694.2	611.5	536.8	372.3	125.9	42.5
12.5°	1346.6	1337.2	1292.3	1213.6	1116.8	1019.2	875.2	756.4	487.2	128.3	34.6
15°	1859.0	1843.3	1774.8	1663.0	1531.6	1378.1	1185.3	985.4	598.9	121.2	26.0
17.5°	2209.2	2200.6	2141.6	2024.3	1873.2	1678.0	1449.7	1200.3	691.0	106.3	18.1
20°	2424.9	2412.3	2357.2	2258.0	2099.8	1896.0	1625.3	1337.2	744.5	87.4	11.8
21°	2480.8	2468.2	2424.1	2321.0	2169.9	1951.1	1673.3	1370.3	754.8	78.7	9.4
22°	2533.5	2520.9	2474.5	2383.2	2233.6	2005.4	1711.0	1395.4	753.2	71.6	7.1
23°	2577.6	2564.2	2518.6	2434.3	2284.0	2053.4	1739.4	1408.0	743.0	64.5	5.5
24°	2600.4	2592.5	2551.6	2472.1	2324.9	2087.3	1759.1	1412.8	730.4	57.5	3.9
25°	2613.8	2604.3	2564.2	2491.0	2351.7	2114.0	1771.6	1408.8	705.2	51.2	2.4
26°	2628.0	2613.8	2568.1	2497.3	2365.9	2126.6	1772.4	1398.6	678.4	45.6	0.8
27°	2640.6	2627.2	2579.9	2502.0	2368.2	2122.7	1766.1	1378.9	646.2	40.1	0.8
28°	2668.1	2653.1	2598.8	2512.3	2370.6	2112.4	1746.5	1352.2	603.7	35.4	0.0
29°	2704.3	2688.6	2626.4	2536.7	2376.1	2101.4	1719.7	1316.7	566.7	31.5	0.0
30°	2734.2	2720.0	2662.6	2567.4	2390.3	2091.2	1688.2	1268.7	516.3	26.8	0.0
31°	2756.2	2742.1	2689.3	2593.3	2402.9	2081.7	1648.9	1219.1	470.7	23.6	0.0
32°	2761.8	2750.0	2700.4	2604.3	2402.9	2067.6	1612.7	1163.3	425.8	19.7	0.0
33°	2759.4	2747.6	2697.2	2596.5	2381.6	2033.7	1568.6	1096.4	374.6	17.3	0.0
34°	2750.7	2736.6	2683.1	2571.3	2339.9	1976.3	1504.8	1029.5	321.1	14.2	0.0
35°	2729.5	2716.9	2658.7	2524.1	2275.4	1888.9	1419.8	952.3	266.0	11.8	0.0
36°	2709.0	2690.1	2618.5	2465.8	2190.4	1799.2	1318.3	863.4	218.8	9.4	0.0
37°	2671.2	2644.5	2572.1	2381.6	2069.9	1672.5	1202.6	765.8	183.4	7.1	0.0
38°	2620.9	2584.7	2492.6	2284.0	1948.7	1553.6	1094.0	677.6	154.3	4.7	0.0
39°	2543.0	2500.5	2375.3	2150.2	1808.6	1415.9	969.6	584.0	131.4	3.1	0.0
40°	2426.5	2386.3	2247.8	1991.2	1669.3	1264.0	842.1	478.5	111.8	1.6	0.0
42.5°	2020.4	1965.3	1804.7	1549.7	1234.1	909.0	557.2	266.0	74.0	0.0	0.0
45°	1503.3	1454.5	1297.1	1064.9	822.5	556.4	298.3	156.6	45.6	0.0	0.0
47.5°	849.2	843.7	741.4	611.5	458.8	295.9	151.1	94.4	19.7	0.0	0.0
50°	456.5	428.2	369.1	280.2	191.3	129.1	81.9	51.9	3.9	0.0	0.0
52.5°	166.9	161.3	135.4	112.5	86.6	59.0	41.7	22.8	0.0	0.0	0.0
55°	22.0	20.5	21.3	22.8	23.6	20.5	13.4	4.7	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.8	1.6	1.6	1.6	0.0	0.0	0.0	0.8
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	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):

	112.5°	135°	157.5°	180°
0°	62.2	62.2	62.2	62.2
2.5°	48.0	37.0	31.5	30.7
5°	33.1	20.5	15.0	14.2
7.5°	22.8	10.2	7.1	6.3
10°	13.4	4.7	2.4	1.6
12.5°	7.9	0.8	0.0	0.0
15°	2.4	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	0.8	0.0	0.0	0.0
67.5°	0.8	0.0	0.0	0.0
70°	0.8	0.0	0.0	0.0
72.5°	0.8	0.0	0.0	0.0
75°	0.8	0.0	0.0	0.0
77.5°	0.8	0.0	0.0	0.0
80°	0.8	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.8	0.0	0.0	0.0
85°	0.8	0.0	0.0	0.0
87.5°	0.8	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)