

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: P1311491

Luminaire Tested: LDSQA3D13R359040DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311491
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: LDSQA3D13R359040DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

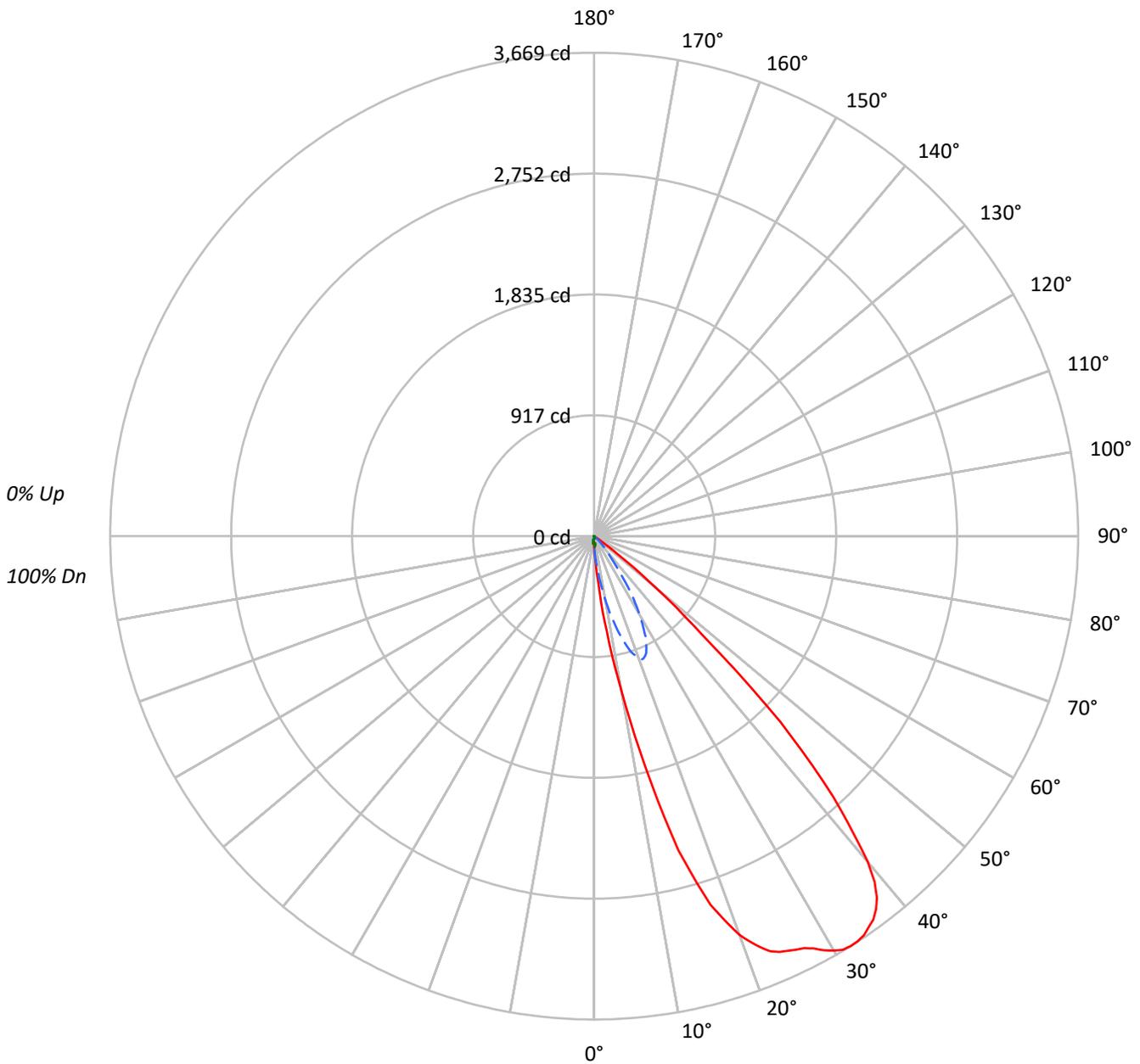
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1096.0 lumens
Efficiency: N/A
Efficacy: 75.1 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): 14.6
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	107	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	55	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°	14226	14226	14226	14226	14226
5°	61822	38328	13191	4702	3250
10°	208089	86495	9881	1102	367
15°	440343	141872	6151	0	0
20°	590404	181278	2877	0	0
25°	659849	178017	589	0	0
30°	722359	136402	0	0	0
35°	762369	74301	0	0	0
40°	724709	33386	0	0	0
45°	486413	14760	0	0	0
50°	162473	1393	0	0	0
55°	8798	0	0	0	0
60°	0	0	344	0	0
65°	0	0	856	0	0
70°	0	504	1057	0	0
75°	0	665	1397	0	0
80°	0	992	2083	0	0
85°	0	1976	4150	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 486413 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.7	1.6
10°-20°	152.1	13.9
20°-30°	333.7	30.4
30°-40°	385.9	35.2
40°-50°	190.5	17.4
50°-60°	14.1	1.3
60°-70°	0.5	0.0
70°-80°	0.8	0.1
80°-90°	0.7	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°	503.5	45.9
0°-40°	889.4	81.2
0°-60°	1094.0	99.8
0°-90°	1096.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1096.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	83	83	83	83	83	
5°	358	222	76	27	19	62
15°	2470	796	34	0	0	697
25°	3472	937	3	0	0	1605
35°	3626	353	0	0	0	2239
45°	1997	61	0	0	0	1466
55°	29	0	0	0	0	120
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°	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
2.5°	164.2	168.3	166.2	166.2	165.2	160.0	150.6	147.4	135.9	107.7	83.6
5°	357.6	358.6	355.5	339.8	326.2	313.7	286.5	273.9	221.7	131.7	76.3
7.5°	725.6	710.0	690.1	668.1	620.0	576.1	518.6	458.0	343.0	152.7	68.0
10°	1189.9	1167.9	1151.2	1098.9	1012.1	922.2	812.4	713.1	494.6	167.3	56.5
12.5°	1789.0	1776.4	1716.8	1612.3	1483.7	1354.0	1162.7	1004.8	647.2	170.4	46.0
15°	2469.7	2448.8	2357.8	2209.3	2034.7	1830.8	1574.6	1309.1	795.7	161.0	34.5
17.5°	2935.0	2923.5	2845.0	2689.2	2488.5	2229.2	1926.0	1594.5	918.0	141.2	24.0
20°	3221.4	3204.7	3131.5	2999.8	2789.6	2518.8	2159.1	1776.4	989.1	116.1	15.7
21°	3295.7	3278.9	3220.4	3083.4	2882.7	2592.0	2222.9	1820.4	1002.7	104.6	12.5
22°	3365.7	3349.0	3287.3	3166.0	2967.4	2664.1	2273.1	1853.8	1000.6	95.1	9.4
23°	3424.3	3406.5	3345.9	3234.0	3034.3	2727.9	2310.7	1870.5	987.0	85.7	7.3
24°	3454.6	3444.2	3389.8	3284.2	3088.7	2772.9	2336.9	1876.8	970.3	76.3	5.2
25°	3472.4	3459.8	3406.5	3309.3	3124.2	2808.4	2353.6	1871.6	936.8	68.0	3.1
26°	3491.2	3472.4	3411.7	3317.6	3143.0	2825.2	2354.7	1858.0	901.3	60.6	1.0
27°	3507.9	3490.2	3427.4	3323.9	3146.2	2819.9	2346.3	1831.9	858.4	53.3	1.0
28°	3544.5	3524.7	3452.5	3337.5	3149.3	2806.3	2320.1	1796.3	802.0	47.1	0.0
29°	3592.6	3571.7	3489.1	3369.9	3156.6	2791.7	2284.6	1749.3	752.8	41.8	0.0
30°	3632.4	3613.5	3537.2	3410.7	3175.4	2778.1	2242.8	1685.5	685.9	35.5	0.0
31°	3661.6	3642.8	3572.8	3445.2	3192.2	2765.6	2190.5	1619.6	625.3	31.4	0.0
32°	3669.0	3653.3	3587.4	3459.8	3192.2	2746.7	2142.4	1545.4	565.7	26.1	0.0
33°	3665.8	3650.1	3583.2	3449.4	3163.9	2701.8	2083.8	1456.5	497.7	23.0	0.0
34°	3654.3	3635.5	3564.4	3415.9	3108.5	2625.5	1999.2	1367.6	426.6	18.8	0.0
35°	3626.1	3609.4	3532.0	3353.2	3022.8	2509.4	1886.2	1265.2	353.4	15.7	0.0
36°	3598.9	3573.8	3478.7	3275.8	2909.9	2390.2	1751.4	1147.0	290.7	12.5	0.0
37°	3548.7	3513.2	3417.0	3163.9	2749.9	2221.9	1597.7	1017.4	243.6	9.4	0.0
38°	3481.8	3433.7	3311.4	3034.3	2588.9	2064.0	1453.4	900.2	204.9	6.3	0.0
39°	3378.3	3321.8	3155.6	2856.5	2402.8	1881.0	1288.2	775.8	174.6	4.2	0.0
40°	3223.5	3170.2	2986.2	2645.3	2217.7	1679.2	1118.8	635.7	148.5	2.1	0.0
42.5°	2684.0	2610.8	2397.5	2058.8	1639.5	1207.6	740.3	353.4	98.3	0.0	0.0
45°	1997.1	1932.2	1723.1	1414.7	1092.6	739.2	396.3	208.1	60.6	0.0	0.0
47.5°	1128.2	1120.9	984.9	812.4	609.6	393.1	200.8	125.5	26.1	0.0	0.0
50°	606.4	568.8	490.4	372.2	254.1	171.5	108.7	69.0	5.2	0.0	0.0
52.5°	221.7	214.3	179.8	149.5	115.0	78.4	55.4	30.3	0.0	0.0	0.0
55°	29.3	27.2	28.2	30.3	31.4	27.2	17.8	6.3	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	1.0	2.1	2.1	2.1	0.0	0.0	0.0	1.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.1
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.1	2.1
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.1	2.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.1	2.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.1	2.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.1	2.1



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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	1.0	2.1	2.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.1	2.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.1	2.1
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°	82.6	82.6	82.6	82.6
2.5°	63.8	49.1	41.8	40.8
5°	43.9	27.2	19.9	18.8
7.5°	30.3	13.6	9.4	8.4
10°	17.8	6.3	3.1	2.1
12.5°	10.5	1.0	0.0	0.0
15°	3.1	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°	1.0	0.0	0.0	0.0
67.5°	1.0	0.0	0.0	0.0
70°	1.0	0.0	0.0	0.0
72.5°	1.0	0.0	0.0	0.0
75°	1.0	0.0	0.0	0.0
77.5°	1.0	0.0	0.0	0.0
80°	1.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	1.0	0.0	0.0	0.0
85°	1.0	0.0	0.0	0.0
87.5°	1.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)