

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: P1312569

Luminaire Tested: LDSQA3D13R359050DE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312569
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: LDSQA3D13R359050DE010 3LSQCA30R 1MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 5000K CCT AND, 90CRI , 3LSQCA30R 1MMS TRII
Light Source: -
Ballast/Driver: -

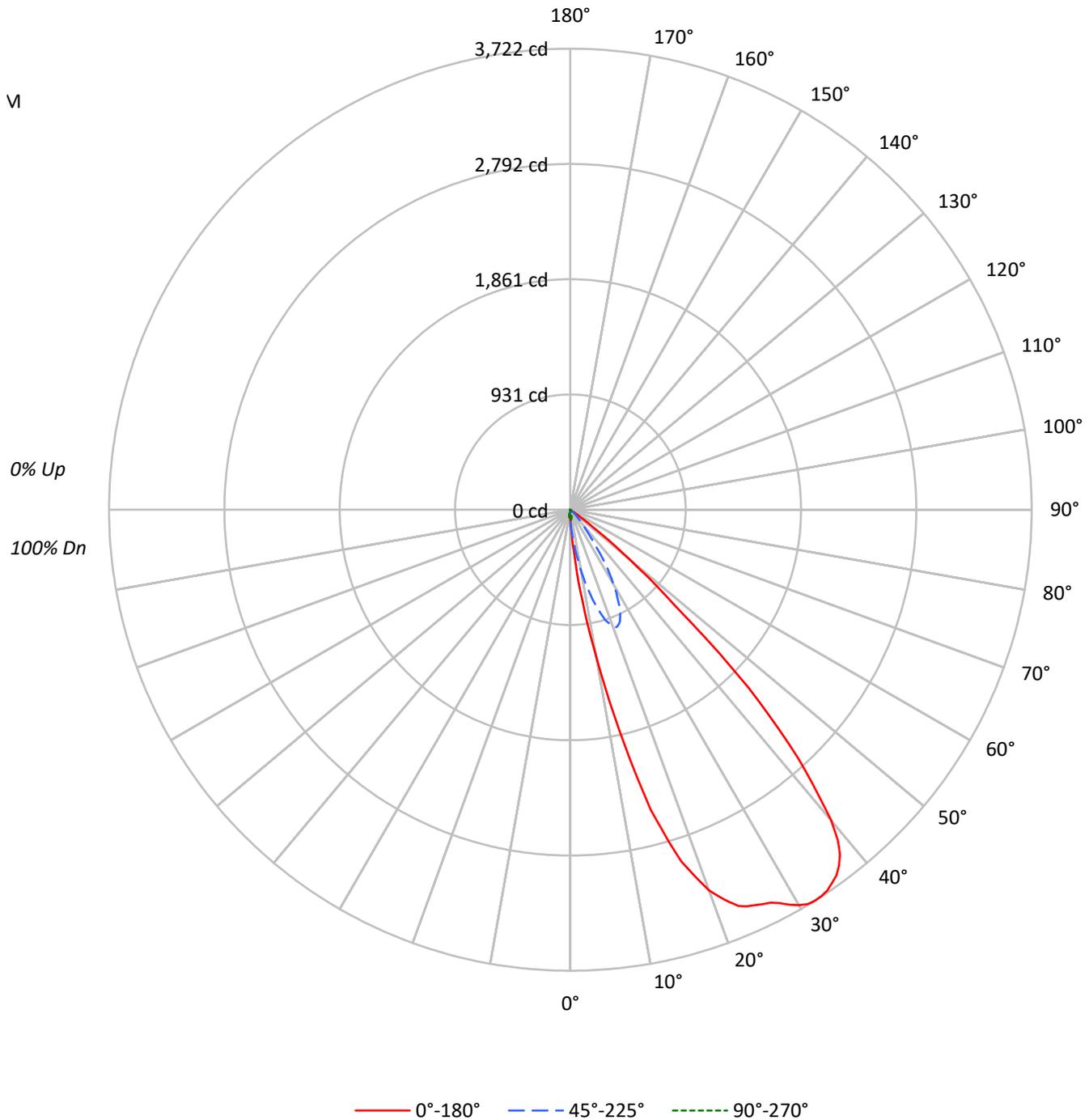
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1112.0 lumens
Efficiency: N/A
Efficacy: 76.2 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.46 / 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 (Ain): 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				
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	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°	14432	14432	14432	14432	14432
5°	62721	38881	13381	4772	3302
10°	211114	87755	10021	1119	367
15°	446761	143940	6240	0	0
20°	599036	183935	2914	0	0
25°	669483	180620	608	0	0
30°	732899	138391	0	0	0
35°	773491	75394	0	0	0
40°	735299	33858	0	0	0
45°	493500	14979	0	0	0
50°	164858	1420	0	0	0
55°	8918	0	0	0	0
60°	0	0	379	0	0
65°	0	0	856	0	0
70°	0	554	1057	0	0
75°	0	732	1397	0	0
80°	0	1091	2083	0	0
85°	0	2174	4150	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 493500 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.0	1.6
10°-20°	154.3	13.9
20°-30°	338.5	30.4
30°-40°	391.6	35.2
40°-50°	193.3	17.4
50°-60°	14.3	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°	510.8	45.9
0°-40°	902.4	81.1
0°-60°	1110.0	99.8
0°-90°	1112.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1112.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	84	84	84	84	84	
5°	363	225	77	28	19	62
15°	2506	807	35	0	0	707
25°	3523	950	3	0	0	1629
35°	3679	359	0	0	0	2272
45°	2026	62	0	0	0	1487
55°	30	0	0	0	0	121
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°	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
2.5°	166.6	170.8	168.7	168.7	167.6	162.3	152.8	149.6	137.9	109.3	84.9
5°	362.8	363.9	360.7	344.8	331.0	318.3	290.7	277.9	224.9	133.7	77.4
7.5°	736.2	720.3	700.2	677.9	629.1	584.5	526.2	464.7	348.0	154.9	69.0
10°	1207.2	1185.0	1168.0	1115.0	1026.9	935.7	824.3	723.5	501.8	169.7	57.3
12.5°	1815.1	1802.4	1741.9	1635.8	1505.3	1373.8	1179.7	1019.5	656.7	172.9	46.7
15°	2505.7	2484.5	2392.2	2241.6	2064.4	1857.5	1597.6	1328.2	807.3	163.4	35.0
17.5°	2977.8	2966.1	2886.6	2728.5	2524.8	2261.7	1954.1	1617.8	931.4	143.2	24.4
20°	3268.5	3251.5	3177.2	3043.6	2830.3	2555.6	2190.6	1802.4	1003.6	117.8	15.9
21°	3343.8	3326.8	3267.4	3128.4	2924.8	2629.8	2255.4	1846.9	1017.4	106.1	12.7
22°	3414.9	3397.9	3335.3	3212.2	3010.7	2703.0	2306.3	1880.9	1015.2	96.5	9.5
23°	3474.3	3456.2	3394.7	3281.2	3078.6	2767.8	2344.5	1897.9	1001.4	87.0	7.4
24°	3505.0	3494.4	3439.3	3332.1	3133.7	2813.4	2371.0	1904.2	984.5	77.4	5.3
25°	3523.1	3510.3	3456.2	3357.6	3169.8	2849.4	2388.0	1898.9	950.5	69.0	3.2
26°	3542.2	3523.1	3461.5	3366.1	3188.9	2866.4	2389.0	1885.1	914.5	61.5	1.1
27°	3559.1	3541.1	3477.5	3372.4	3192.1	2861.1	2380.5	1858.6	871.0	54.1	1.1
28°	3596.3	3576.1	3502.9	3386.2	3195.3	2847.3	2354.0	1822.5	813.7	47.7	0.0
29°	3645.1	3623.9	3540.0	3419.1	3202.7	2832.5	2318.0	1774.8	763.8	42.4	0.0
30°	3685.4	3666.3	3588.8	3460.5	3221.8	2818.7	2275.5	1710.1	695.9	36.1	0.0
31°	3715.1	3696.0	3624.9	3495.5	3238.8	2805.9	2222.5	1643.3	634.4	31.8	0.0
32°	3722.5	3706.6	3639.8	3510.3	3238.8	2786.8	2173.7	1567.9	573.9	26.5	0.0
33°	3719.3	3703.4	3635.5	3499.7	3210.1	2741.2	2114.3	1477.8	505.0	23.3	0.0
34°	3707.7	3688.6	3616.4	3465.8	3153.9	2663.8	2028.3	1387.6	432.8	19.1	0.0
35°	3679.0	3662.0	3583.5	3402.1	3066.9	2546.0	1913.8	1283.6	358.6	15.9	0.0
36°	3651.4	3626.0	3529.4	3323.6	2952.3	2425.1	1776.9	1163.7	294.9	12.7	0.0
37°	3600.5	3564.4	3466.8	3210.1	2790.0	2254.3	1621.0	1032.2	247.2	9.5	0.0
38°	3532.6	3483.8	3359.7	3078.6	2626.7	2094.1	1474.6	913.4	207.9	6.4	0.0
39°	3427.6	3370.3	3201.6	2898.2	2437.8	1908.5	1307.0	787.1	177.2	4.2	0.0
40°	3270.6	3216.5	3029.8	2683.9	2250.1	1703.7	1135.1	645.0	150.6	2.1	0.0
42.5°	2723.2	2648.9	2432.5	2088.8	1663.4	1225.3	751.1	358.6	99.7	0.0	0.0
45°	2026.2	1960.4	1748.3	1435.3	1108.6	750.0	402.1	211.1	61.5	0.0	0.0
47.5°	1144.7	1137.2	999.3	824.3	618.5	398.9	203.7	127.3	26.5	0.0	0.0
50°	615.3	577.1	497.5	377.7	257.8	174.0	110.3	70.0	5.3	0.0	0.0
52.5°	224.9	217.5	182.5	151.7	116.7	79.6	56.2	30.8	0.0	0.0	0.0
55°	29.7	27.6	28.6	30.8	31.8	27.6	18.0	6.4	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	1.1	2.1	2.1	2.1	0.0	0.0	0.0	1.1
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	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	1.1	2.1	2.1
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.1	2.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.1	2.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.1	2.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	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	1.1	2.1	2.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.1	2.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	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°	83.8	83.8	83.8	83.8
2.5°	64.7	49.9	42.4	41.4
5°	44.6	27.6	20.2	19.1
7.5°	30.8	13.8	9.5	8.5
10°	18.0	6.4	3.2	2.1
12.5°	10.6	1.1	0.0	0.0
15°	3.2	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°	1.1	0.0	0.0	0.0
67.5°	1.1	0.0	0.0	0.0
70°	1.1	0.0	0.0	0.0
72.5°	1.1	0.0	0.0	0.0
75°	1.1	0.0	0.0	0.0
77.5°	1.1	0.0	0.0	0.0
80°	1.1	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	1.1	0.0	0.0	0.0
85°	1.1	0.0	0.0	0.0
87.5°	1.1	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)