

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: P1319922

Luminaire Tested: LDSQA3D09R209840DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319922
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-48)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R209840DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

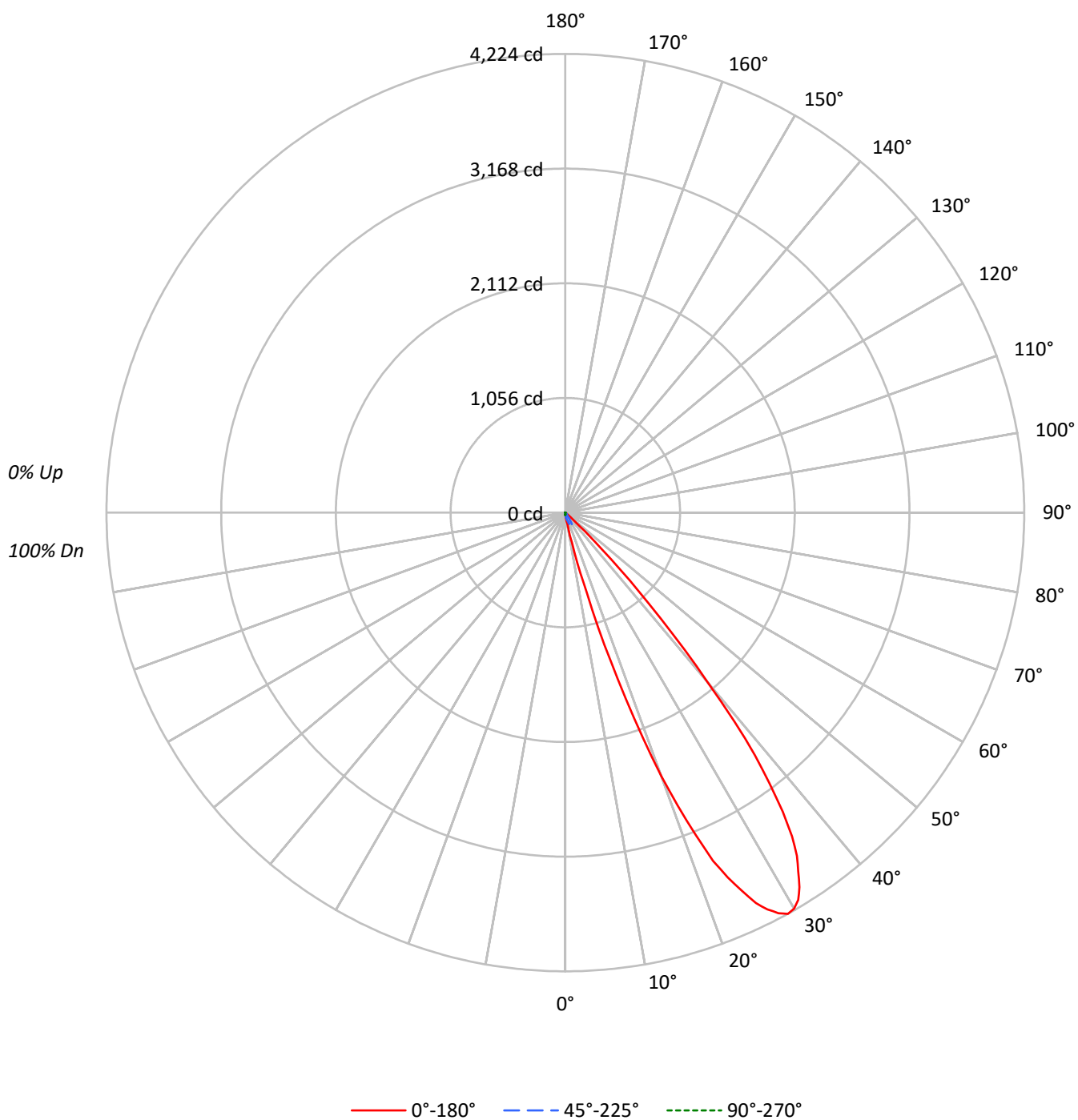
Lumens per Lamp: N/A
Luminaire Lumens: 583.0 lumens
Efficiency: N/A
Efficacy: 53.0 lumens/watt
Spacing Criteria (0/90/45): 2.28 / 0.42 / 1.12
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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
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		
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92		
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75		
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	63	61		
6	81	70	63	58	79	69	63	58	68	62	57	66	61	57	65	60	57	55		
7	76	64	57	52	74	64	57	52	62	56	52	61	56	51	60	55	51	49		
8	71	59	52	47	69	59	52	47	57	51	47	56	51	46	55	50	46	45		
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40		
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	3599	3599	3599	3599	3599
5°	7814	5515	3302	1504	1106
10°	19464	9741	2326	297	0
15°	136986	13337	1337	0	0
20°	473419	22415	531	0	0
25°	729721	28656	228	0	0
30°	837582	22134	0	0	0
35°	764934	8410	0	0	0
40°	458589	3912	0	0	0
45°	112695	1827	0	0	0
50°	12432	455	0	0	0
55°	1742	0	180	0	0
60°	0	0	413	0	0
65°	0	0	489	0	0
70°	0	302	856	0	0
75°	0	399	1131	0	0
80°	0	595	1686	0	0
85°	0	1186	3359	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 1°

Vertical Angle: 45°

Luminance: 120172 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.4	0.4
10°-20°	45.5	7.8
20°-30°	230.3	39.5
30°-40°	249.2	42.7
40°-50°	52.6	9.0
50°-60°	1.6	0.3
60°-70°	0.4	0.1
70°-80°	0.5	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°	278.2	47.7
0°-40°	527.4	90.5
0°-60°	581.6	99.8
0°-90°	583.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	583.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	21	21	21	21	21	
5°	45	32	19	9	6	6
15°	768	75	8	0	0	320
25°	3840	151	1	0	0	1736
35°	3638	40	0	0	0	2145
45°	463	8	0	0	0	509
55°	6	0	1	0	0	10
65°	0	0	1	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°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9
2.5°	28.4	27.8	28.4	27.8	28.4	28.4	28.4	27.8	27.8	27.8	27.8
5°	45.2	45.2	44.6	45.2	45.2	45.2	45.2	44.6	44.6	44.1	44.1
7.5°	71.3	71.3	70.7	70.7	71.3	71.9	69.6	70.7	70.7	70.7	70.2
10°	111.3	113.6	111.3	114.2	111.9	110.2	113.1	110.2	110.2	109.6	107.8
12.5°	280.6	274.3	270.2	260.3	270.2	262.7	264.4	262.7	256.9	249.3	244.7
15°	768.3	768.3	745.6	775.8	753.8	761.9	720.1	720.7	699.3	676.1	663.3
17.5°	1606.1	1620.6	1605.5	1596.2	1576.5	1548.1	1536.5	1506.9	1468.1	1422.9	1417.6
20°	2583.1	2522.2	2550.6	2524.5	2508.3	2473.5	2434.6	2410.3	2376.1	2318.7	2234.0
21°	2890.4	2888.1	2887.5	2886.9	2863.1	2806.3	2770.9	2722.2	2674.1	2615.0	2544.2
22°	3200.0	3211.0	3215.6	3182.0	3133.3	3107.8	3083.5	3016.8	2940.8	2910.1	2826.0
23°	3484.1	3473.7	3443.5	3427.9	3390.2	3382.6	3310.2	3267.8	3193.6	3160.0	3060.3
24°	3677.8	3672.5	3658.6	3635.4	3605.3	3558.9	3515.4	3448.7	3387.9	3332.8	3240.0
25°	3840.1	3844.7	3819.2	3803.6	3771.1	3718.9	3665.6	3592.5	3535.7	3471.3	3364.1
26°	4000.7	3968.2	3948.0	3924.8	3889.4	3829.7	3778.1	3712.5	3643.6	3571.7	3466.7
27°	4099.9	4070.9	4040.1	4017.5	3976.9	3920.1	3865.0	3792.6	3715.4	3643.0	3535.1
28°	4178.1	4146.2	4116.1	4088.8	4042.5	3981.6	3915.5	3841.8	3761.8	3687.0	3576.9
29°	4224.5	4186.8	4154.4	4123.6	4081.3	4015.2	3948.5	3869.7	3792.6	3714.3	3601.8
30°	4211.8	4179.3	4148.0	4116.7	4073.8	4011.7	3945.6	3870.3	3792.6	3715.4	3601.2
31°	4161.9	4121.9	4099.3	4068.0	4030.9	3967.7	3910.8	3828.5	3758.4	3674.9	3560.6
32°	4066.2	4040.7	4010.6	3986.2	3950.3	3883.0	3827.4	3760.1	3677.2	3608.8	3488.7
33°	3936.4	3912.6	3897.5	3869.1	3834.3	3787.9	3721.2	3659.8	3566.4	3496.3	3376.3
34°	3812.3	3782.1	3744.4	3736.3	3706.2	3646.5	3586.1	3523.5	3440.0	3350.7	3229.6
35°	3638.3	3607.0	3572.2	3575.1	3539.2	3469.6	3408.1	3338.0	3258.6	3153.6	3038.8
36°	3405.8	3385.0	3379.7	3365.8	3324.7	3241.7	3183.2	3095.0	3028.4	2900.2	2801.7
37°	3122.3	3129.8	3092.1	3074.2	3026.0	2968.1	2935.0	2822.0	2744.3	2648.0	2514.7
38°	2835.9	2824.9	2780.2	2791.2	2725.1	2664.8	2571.5	2504.2	2417.2	2328.0	2221.3
39°	2478.1	2450.9	2397.5	2399.9	2350.0	2282.1	2191.7	2112.3	2060.1	1974.3	1872.2
40°	2039.8	2028.2	2009.6	1978.9	1913.4	1883.8	1803.2	1717.4	1673.3	1554.5	1504.6
42.5°	1131.8	1116.1	1084.8	1073.8	1039.0	1004.2	957.3	899.9	872.0	836.7	757.8
45°	462.7	493.4	485.9	477.2	450.5	452.3	418.6	422.7	392.0	371.1	356.6
47.5°	102.0	110.7	111.3	107.3	111.3	107.8	106.1	103.2	103.8	105.5	101.5
50°	46.4	45.8	47.0	46.4	45.8	45.2	44.6	42.9	44.1	42.9	41.7
52.5°	18.0	18.6	18.6	17.4	18.0	18.0	18.0	17.4	17.4	17.4	17.4
55°	5.8	5.8	5.8	5.2	5.2	5.8	5.8	5.8	5.8	5.8	5.2
57.5°	0.6	1.2	0.6	1.2	0.6	0.6	0.6	0.6	0.6	1.2	1.2
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	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):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9
2.5°	26.7	24.4	22.6	20.9	17.4	14.5	13.3	13.3
5°	41.2	31.9	23.8	19.1	13.3	8.7	7.0	6.4
7.5°	62.0	42.9	24.9	16.2	8.7	4.6	2.9	2.3
10°	89.9	55.7	26.1	13.3	5.2	1.7	0.0	0.0
12.5°	157.1	66.7	26.1	10.4	2.3	0.0	0.0	0.0
15°	360.1	74.8	24.9	7.5	0.6	0.0	0.0	0.0
17.5°	748.0	93.9	22.0	5.2	0.0	0.0	0.0	0.0
20°	1194.4	122.3	17.4	2.9	0.0	0.0	0.0	0.0
21°	1378.2	132.2	15.7	2.3	0.0	0.0	0.0	0.0
22°	1510.4	141.5	13.9	1.7	0.0	0.0	0.0	0.0
23°	1655.9	147.3	12.2	1.2	0.0	0.0	0.0	0.0
24°	1763.2	150.8	10.4	1.2	0.0	0.0	0.0	0.0
25°	1829.9	150.8	9.3	1.2	0.0	0.0	0.0	0.0
26°	1869.3	147.3	8.1	0.6	0.0	0.0	0.0	0.0
27°	1878.6	141.5	7.0	0.6	0.0	0.0	0.0	0.0
28°	1867.0	133.9	5.8	0.0	0.0	0.0	0.0	0.0
29°	1830.5	122.9	5.2	0.0	0.0	0.0	0.0	0.0
30°	1791.0	111.3	4.1	0.0	0.0	0.0	0.0	0.0
31°	1723.8	95.7	3.5	0.0	0.0	0.0	0.0	0.0
32°	1646.1	79.4	2.9	0.0	0.0	0.0	0.0	0.0
33°	1542.3	62.6	2.3	0.0	0.0	0.0	0.0	0.0
34°	1389.2	49.3	2.3	0.0	0.0	0.0	0.0	0.0
35°	1251.8	40.0	1.7	0.0	0.0	0.0	0.0	0.0
36°	1072.1	31.9	1.7	0.0	0.0	0.0	0.0	0.0
37°	918.4	26.7	1.7	0.0	0.0	0.0	0.0	0.0
38°	768.8	22.6	1.2	0.0	0.0	0.0	0.0	0.0
39°	623.9	19.7	1.2	0.0	0.0	0.0	0.0	0.0
40°	497.5	17.4	1.2	0.0	0.0	0.0	0.0	0.0
42.5°	268.5	11.6	0.0	0.0	0.0	0.0	0.0	0.0
45°	148.4	7.5	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	65.5	4.1	0.0	0.0	0.0	0.0	0.0	0.0
50°	22.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	5.2	0.0	0.0	0.6	0.0	0.0	0.0	0.0
57.5°	1.2	0.0	0.0	0.6	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.6	1.2	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.6	1.2	0.6	0.0	0.0	0.0
65°	0.0	0.0	1.2	1.2	0.6	0.0	0.0	0.0
67.5°	0.0	0.6	1.2	1.7	0.6	0.0	0.0	0.0
70°	0.0	0.6	1.2	1.7	0.6	0.0	0.0	0.0
72.5°	0.0	0.6	1.2	1.7	0.6	0.0	0.0	0.0
75°	0.0	0.6	1.2	1.7	0.6	0.0	0.0	0.0
77.5°	0.0	0.6	1.2	1.7	0.6	0.0	0.0	0.0
80°	0.0	0.6	1.2	1.7	0.6	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.0	0.6	1.2	1.7	0.6	0.0	0.0	0.0
85°	0.0	0.6	1.2	1.7	0.6	0.0	0.0	0.0
87.5°	0.0	0.6	1.2	1.7	0.6	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)