

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: P1324078

Luminaire Tested: LDSQA3D17R409030D2WDE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324078
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-64)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R409030D2WDE010 3LSQCA30R 1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R40 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

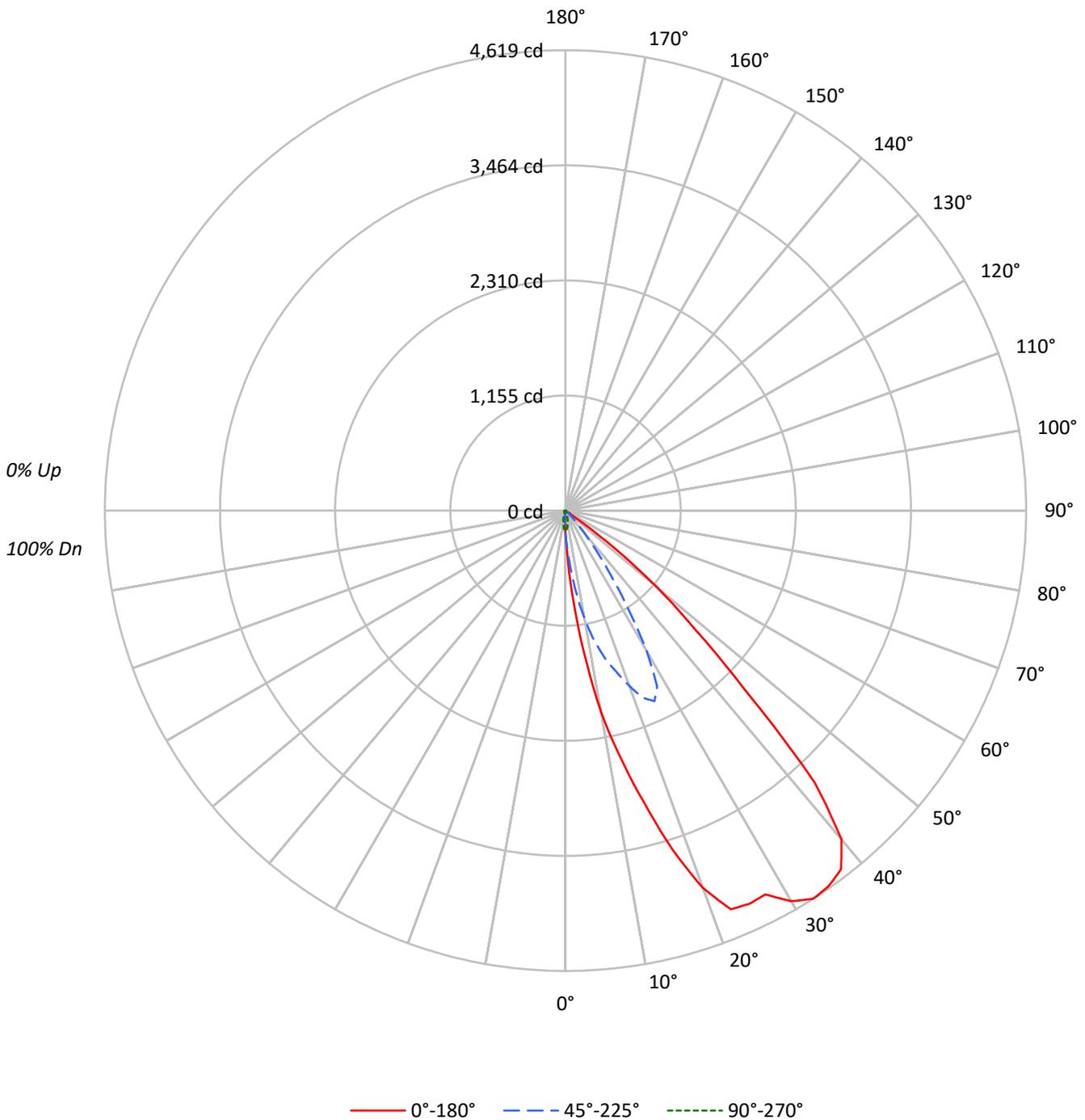
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1704.0 lumens
Efficiency: N/A
Efficacy: 62.4 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.42 / 1.24
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.3
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74
4	92	83	77	71	90	82	76	71	80	74	70	78	73	69	76	72	68	67
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	60
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54
7	75	64	57	52	74	63	56	52	62	56	51	61	55	51	59	54	51	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	40
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	34720	34720	34720	34720	34720
5°	156612	99838	31118	11946	8713
10°	359150	192927	21912	4285	3270
15°	538995	273723	13604	2318	2050
20°	738014	343128	7918	1320	1576
25°	827319	400937	4105	1102	1368
30°	899887	323634	1710	855	1432
35°	967127	165631	610	1219	1808
40°	967471	66052	315	1304	2271
45°	617716	22091	706	2095	3166
50°	320660	2706	1152	2706	3858
55°	27684	420	1291	3453	4744
60°	999	482	1481	3961	5442
65°	1182	571	2364	4116	5868
70°	705	705	2921	4330	5791
75°	932	932	2861	4791	6721
80°	1389	1389	4265	4265	5752
85°	0	2766	8497	5730	5730

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 617716 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.3	2.3
10°-20°	230.6	13.5
20°-30°	505.1	29.6
30°-40°	575.4	33.8
40°-50°	303.6	17.8
50°-60°	35.8	2.1
60°-70°	6.4	0.4
70°-80°	5.3	0.3
80°-90°	2.4	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°	775.0	45.5
0°-40°	1350.4	79.3
0°-60°	1689.9	99.2
0°-90°	1704.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1704.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	202	202	202	202	202	
5°	906	578	180	69	50	122
15°	3023	1535	76	13	12	891
25°	4354	2110	22	6	7	2006
35°	4600	788	3	6	9	2851
45°	2536	91	3	9	13	2045
55°	92	1	4	12	16	286
65°	3	1	6	10	14	3
75°	1	1	4	7	10	1
85°	0	1	4	3	3	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°	201.6	201.6	201.6	201.6	201.6	201.6	201.6	201.6	201.6	201.6	201.6
2.5°	449.3	449.3	447.9	434.9	433.5	432.1	409.0	403.3	375.9	357.2	272.2
5°	905.9	885.7	884.3	861.2	822.3	770.5	737.4	684.1	632.2	577.5	335.6
7.5°	1443.1	1460.4	1412.8	1388.3	1301.9	1240.0	1145.0	1061.4	944.8	835.3	387.4
10°	2053.7	2023.5	1975.9	1928.4	1834.8	1723.9	1582.8	1434.4	1265.9	1103.2	416.2
12.5°	2530.4	2491.5	2462.7	2397.9	2305.7	2163.2	1994.7	1795.9	1572.7	1337.9	414.8
15°	3023.0	2984.1	2919.3	2861.7	2724.8	2565.0	2382.1	2120.0	1846.3	1535.2	384.5
17.5°	3564.5	3514.1	3442.1	3354.2	3221.7	3044.6	2812.7	2493.0	2105.6	1696.5	329.8
20°	4026.8	3996.5	3924.5	3820.8	3691.2	3518.4	3250.5	2896.2	2423.8	1872.2	262.1
22.5°	4329.2	4301.8	4252.9	4162.2	4064.2	3879.9	3635.0	3246.2	2690.3	2032.1	198.7
25°	4353.7	4342.2	4329.2	4299.0	4239.9	4108.9	3869.8	3450.7	2855.9	2109.9	146.9
27.5°	4340.7	4336.4	4333.5	4317.7	4278.8	4149.2	3904.4	3480.9	2834.3	1988.9	108.0
30°	4525.1	4512.1	4504.9	4453.1	4350.8	4150.6	3830.9	3318.2	2518.9	1627.4	77.8
32.5°	4618.7	4615.8	4608.6	4558.2	4414.2	4153.5	3707.1	2925.0	1997.5	1175.2	53.3
35°	4600.0	4585.6	4559.6	4466.0	4265.8	3938.9	3306.7	2336.0	1441.6	787.8	34.6
37.5°	4536.6	4503.5	4453.1	4284.6	4018.1	3571.7	2681.6	1719.6	980.8	509.8	20.2
40°	4303.3	4258.6	4179.4	3973.5	3623.5	2943.7	1983.1	1162.2	643.8	293.8	5.8
42.5°	3699.8	3642.2	3584.6	3354.2	2953.8	2194.9	1304.8	718.7	367.2	161.3	1.4
45°	2536.2	2464.2	2385.0	2217.9	1896.7	1329.3	776.3	404.7	190.1	90.7	1.4
47.5°	1761.4	1728.2	1590.0	1376.8	1055.7	704.3	401.8	198.7	100.8	41.8	1.4
50°	1196.8	1159.4	998.1	792.1	561.7	337.0	184.3	99.4	44.6	10.1	1.4
52.5°	627.9	581.8	479.6	365.8	227.6	141.1	80.7	43.2	13.0	1.4	1.4
55°	92.2	85.0	69.1	56.2	50.4	38.9	23.0	10.1	1.4	1.4	2.9
57.5°	2.9	2.9	2.9	2.9	4.3	4.3	2.9	1.4	1.4	1.4	2.9
60°	2.9	2.9	2.9	2.9	2.9	1.4	1.4	1.4	1.4	1.4	2.9
62.5°	2.9	2.9	2.9	2.9	2.9	1.4	1.4	1.4	1.4	1.4	2.9
65°	2.9	2.9	2.9	2.9	2.9	1.4	1.4	1.4	1.4	1.4	2.9
67.5°	2.9	2.9	2.9	2.9	1.4	1.4	1.4	1.4	1.4	2.9	4.3
70°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	4.3
72.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.9	4.3
75°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	4.3
77.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.9	4.3
80°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.9
82.5°	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	4.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	2.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	2.9
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°	201.6	201.6	201.6	201.6	201.6
2.5°	198.7	146.9	113.8	97.9	96.5
5°	180.0	105.1	69.1	53.3	50.4
7.5°	152.7	73.4	40.3	28.8	27.4
10°	125.3	50.4	24.5	20.2	18.7
12.5°	99.4	33.1	17.3	15.8	14.4
15°	76.3	21.6	13.0	11.5	11.5
17.5°	57.6	14.4	10.1	10.1	10.1
20°	43.2	10.1	7.2	8.6	8.6
22.5°	30.2	7.2	5.8	7.2	7.2
25°	21.6	5.8	5.8	7.2	7.2
27.5°	14.4	4.3	4.3	5.8	7.2
30°	8.6	2.9	4.3	5.8	7.2
32.5°	4.3	2.9	4.3	7.2	7.2
35°	2.9	4.3	5.8	7.2	8.6
37.5°	1.4	4.3	5.8	8.6	8.6
40°	1.4	4.3	5.8	8.6	10.1
42.5°	2.9	5.8	7.2	10.1	11.5
45°	2.9	5.8	8.6	11.5	13.0
47.5°	2.9	5.8	10.1	13.0	13.0
50°	4.3	7.2	10.1	13.0	14.4
52.5°	4.3	7.2	10.1	14.4	15.8
55°	4.3	7.2	11.5	14.4	15.8
57.5°	4.3	8.6	11.5	14.4	15.8
60°	4.3	7.2	11.5	14.4	15.8
62.5°	5.8	7.2	10.1	14.4	14.4
65°	5.8	7.2	10.1	14.4	14.4
67.5°	5.8	7.2	10.1	13.0	13.0
70°	5.8	7.2	8.6	11.5	11.5
72.5°	5.8	7.2	8.6	10.1	11.5
75°	4.3	5.8	7.2	8.6	10.1
77.5°	4.3	5.8	5.8	8.6	8.6
80°	4.3	4.3	4.3	5.8	5.8
82.5°	4.3	4.3	2.9	4.3	4.3
85°	4.3	2.9	2.9	2.9	2.9
87.5°	2.9	2.9	1.4	1.4	1.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)