

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: P1324027

Luminaire Tested: LDSQA3D17R259030D2WDE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324027
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R259030D2WDE010 3LSQCA30R 1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R25 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

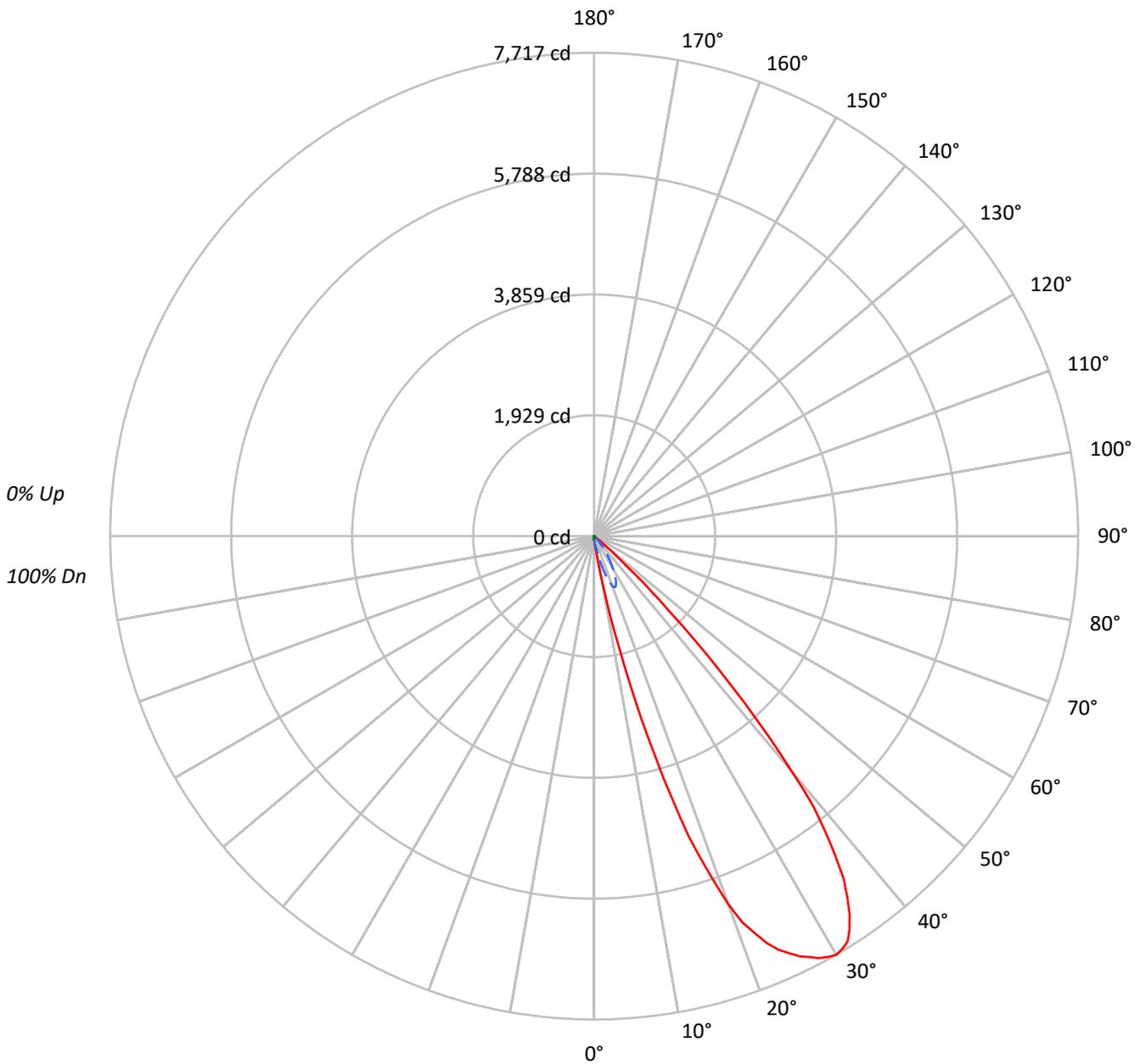
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1544.0 lumens
Efficiency: N/A
Efficacy: 56.6 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
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



— 0°-180° - - - 45°-225° ····· 90°-270°



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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	100			100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92			92
2	106	100	95	92	104	98	94	90	95	92	88	92	89	87	89	87	85	83			83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75			75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68			68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61			61
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	55			55
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	50			50
8	71	60	52	48	70	59	52	47	58	52	47	57	51	47	56	51	47	45			45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	41			41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37			37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	11418	11418	11418	11418	11418
5°	28646	21161	10701	5480	4236
10°	125214	36025	8814	2518	1766
15°	595373	97083	6169	1034	767
20°	1146113	155509	3959	257	257
25°	1395841	156848	2185	0	0
30°	1534666	120035	855	0	0
35°	1478927	76319	294	0	0
40°	1105039	33026	0	0	315
45°	409107	8768	341	341	1047
50°	48254	1152	777	777	1554
55°	4744	0	871	1291	2162
60°	482	0	1481	1998	2480
65°	571	571	2364	2934	3505
70°	705	705	2921	2921	4330
75°	932	932	2861	2861	3859
80°	0	1389	4265	2876	4265
85°	0	2766	8497	2766	2766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 409107 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.6	0.6
10°-20°	180.0	11.7
20°-30°	565.0	36.6
30°-40°	594.8	38.5
40°-50°	174.7	11.3
50°-60°	9.4	0.6
60°-70°	4.5	0.3
70°-80°	3.9	0.3
80°-90°	2.0	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°	754.6	48.9
0°-40°	1349.4	87.4
0°-60°	1533.5	99.3
0°-90°	1544.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1544.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	66	66	66	66	66	
5°	166	122	62	32	24	30
15°	3339	544	35	6	4	1053
25°	7346	825	12	0	0	3369
35°	7034	363	1	0	0	4245
45°	1680	36	1	1	4	1526
55°	16	0	3	4	7	40
65°	1	1	6	7	9	1
75°	1	1	4	4	6	1
85°	0	1	4	1	1	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
2.5°	102.3	103.7	99.4	102.3	99.4	98.0	96.5	89.3	77.8	66.3	54.7
5°	165.7	165.7	158.5	157.0	154.1	148.4	142.6	122.4	87.9	61.9	43.2
7.5°	259.3	257.9	255.0	247.8	233.4	219.0	204.6	159.9	96.5	57.6	33.1
10°	716.0	705.9	692.9	615.1	527.2	449.5	381.8	206.0	103.7	50.4	24.5
12.5°	1779.1	1721.5	1584.6	1429.0	1230.2	1021.4	816.8	335.7	106.6	41.8	17.3
15°	3339.2	3219.7	3006.5	2695.3	2289.1	1832.4	1443.5	544.5	103.7	34.6	13.0
17.5°	5042.0	4926.8	4631.4	4158.9	3561.1	2859.5	2170.9	721.7	96.5	28.8	8.6
20°	6253.5	6131.1	5854.5	5353.2	4706.3	3771.4	2858.1	848.5	90.8	21.6	4.3
21°	6607.9	6485.5	6193.0	5709.0	5029.0	4091.2	3078.5	870.1	86.4	18.7	2.9
22°	6832.6	6760.6	6446.6	5976.9	5284.0	4347.6	3267.2	880.2	83.6	17.3	2.9
23°	7058.8	6950.8	6656.9	6161.3	5478.5	4537.8	3407.0	873.0	80.7	14.4	1.4
24°	7225.9	7135.2	6793.7	6303.9	5613.9	4654.5	3489.1	854.3	76.4	13.0	1.4
25°	7345.5	7261.9	6906.1	6400.5	5704.7	4717.9	3515.0	825.4	72.0	11.5	1.4
26°	7459.3	7368.5	6999.7	6456.6	5752.2	4738.0	3490.5	793.8	67.7	10.1	0.0
27°	7541.4	7449.2	7064.6	6489.8	5755.1	4713.6	3424.2	750.5	63.4	8.6	0.0
28°	7629.3	7522.7	7109.2	6508.5	5737.8	4655.9	3329.2	704.4	60.5	7.2	0.0
29°	7682.6	7581.7	7155.3	6528.7	5701.8	4559.4	3190.9	649.7	53.3	4.3	0.0
30°	7717.1	7597.6	7151.0	6507.1	5654.2	4455.7	3025.2	603.6	46.1	4.3	0.0
31°	7688.3	7563.0	7104.9	6446.6	5577.9	4320.3	2855.2	546.0	37.5	2.9	0.0
32°	7626.4	7478.0	7024.2	6341.4	5441.0	4146.0	2679.5	498.4	27.4	2.9	0.0
33°	7475.1	7349.8	6878.7	6200.2	5262.4	3909.7	2450.4	452.3	18.7	1.4	0.0
34°	7285.0	7159.6	6679.9	6011.5	5023.3	3604.3	2172.4	404.8	15.8	1.4	0.0
35°	7034.3	6910.4	6455.2	5747.9	4706.3	3237.0	1885.7	363.0	13.0	1.4	0.0
36°	6770.7	6606.5	6171.4	5467.0	4281.4	2819.2	1578.9	315.5	10.1	1.4	0.0
37°	6383.2	6272.2	5789.7	5039.1	3821.8	2418.7	1355.6	272.3	7.2	1.4	0.0
38°	5981.3	5879.0	5407.9	4608.4	3309.0	2022.6	1135.2	230.5	5.8	0.0	0.0
39°	5566.4	5396.4	4931.1	4056.6	2771.7	1694.1	955.1	193.0	2.9	0.0	0.0
40°	4915.2	4785.6	4288.6	3394.0	2293.4	1372.9	813.9	146.9	2.9	0.0	0.0
42.5°	3258.6	3137.6	2616.1	1841.1	1218.7	802.4	537.3	57.6	0.0	1.4	0.0
45°	1679.7	1603.4	1302.3	963.7	691.5	492.7	345.7	36.0	0.0	1.4	1.4
47.5°	667.0	654.0	590.6	510.0	393.3	292.4	188.7	15.8	0.0	1.4	1.4
50°	180.1	181.5	170.0	157.0	142.6	134.0	79.2	4.3	0.0	2.9	1.4
52.5°	76.4	77.8	74.9	70.6	63.4	47.5	31.7	1.4	1.4	2.9	2.9
55°	15.8	17.3	18.7	20.2	23.0	20.2	13.0	0.0	1.4	2.9	2.9
57.5°	2.9	2.9	2.9	2.9	4.3	4.3	2.9	0.0	1.4	2.9	4.3
60°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	2.9	4.3	4.3
62.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.9	4.3	5.8
65°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.9	5.8	5.8
67.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	4.3	5.8	5.8
70°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	4.3	5.8	5.8
72.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	4.3	5.8	4.3
75°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	4.3	4.3	4.3
77.5°	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	2.9	4.3	4.3
80°	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	2.9	4.3	2.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	2.9	4.3	2.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.9	4.3	2.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.9	4.3	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):

	135°	157.5°	180°
0°	66.3	66.3	66.3
2.5°	46.1	41.8	40.3
5°	31.7	27.4	24.5
7.5°	21.6	17.3	15.8
10°	14.4	11.5	10.1
12.5°	10.1	5.8	5.8
15°	5.8	4.3	4.3
17.5°	2.9	1.4	1.4
20°	1.4	1.4	1.4
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	1.4
39°	0.0	1.4	1.4
40°	0.0	1.4	1.4
42.5°	0.0	1.4	2.9
45°	1.4	2.9	4.3
47.5°	2.9	4.3	5.8
50°	2.9	5.8	5.8
52.5°	4.3	5.8	7.2
55°	4.3	7.2	7.2
57.5°	5.8	7.2	8.6
60°	5.8	7.2	7.2
62.5°	5.8	8.6	8.6
65°	7.2	8.6	8.6
67.5°	7.2	8.6	8.6
70°	5.8	7.2	8.6
72.5°	5.8	7.2	7.2
75°	4.3	5.8	5.8
77.5°	4.3	4.3	5.8
80°	2.9	4.3	4.3



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	2.9	2.9	2.9
85°	1.4	1.4	1.4
87.5°	1.4	1.4	1.4
90°	0.0	0.0	0.0

(END OF REPORT)