

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: P1320246

Luminaire Tested: LDSQA3D17R309840DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320246
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-50)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R309840DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

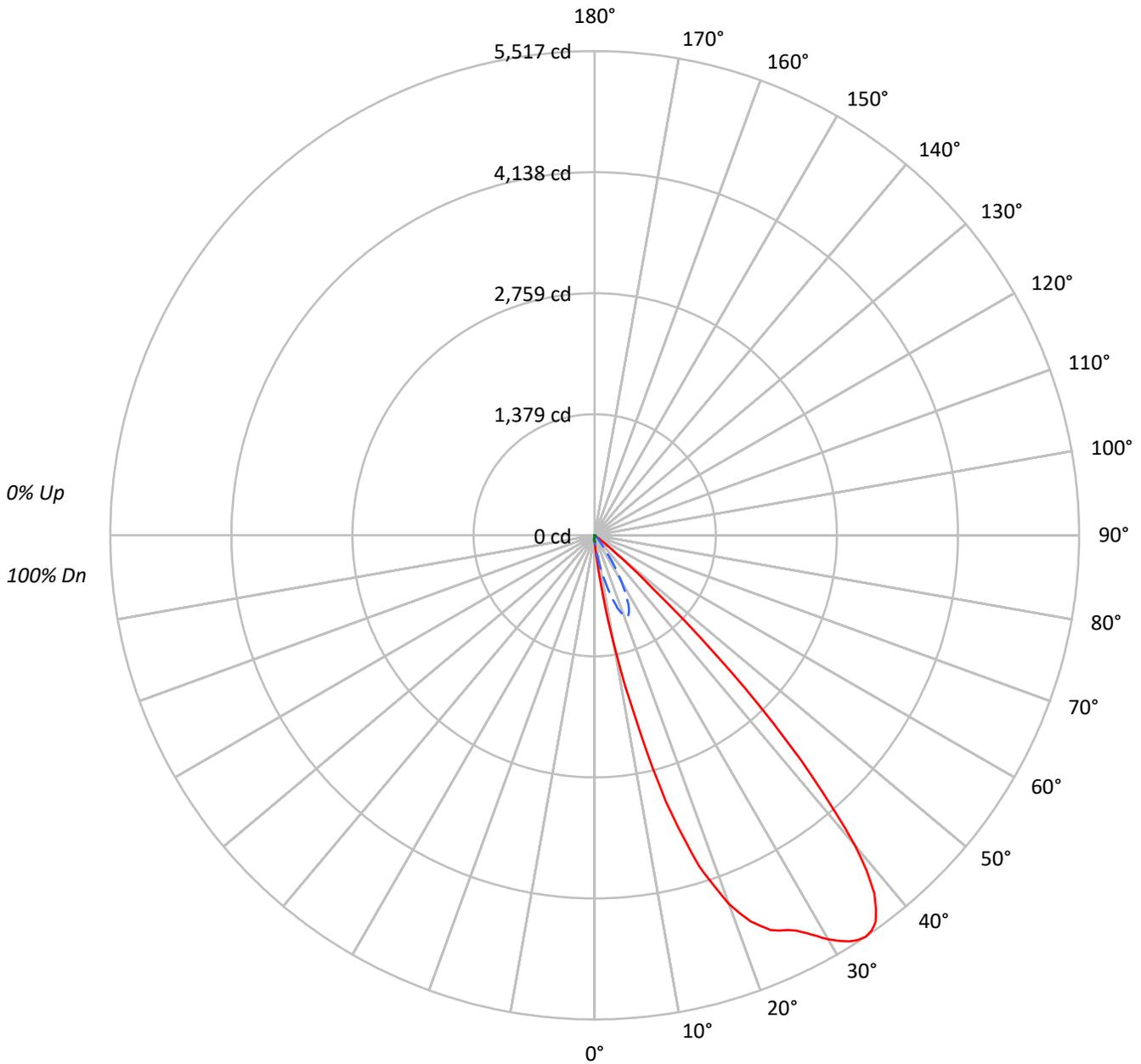
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1328.0 lumens
Efficiency: N/A
Efficacy: 65.1 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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				
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	92
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	83	80	77	75
4	93	84	78	73	91	83	77	72	81	75	71	78	74	70	76	73	69	76	73	69	68
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	71	66	63	61
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	65	61	57	55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	60	55	52	50
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	56	51	47	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	51	46	43	41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	43	39	48	43	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	12228	12228	12228	12228	12228
5°	44378	27574	11203	4529	3233
10°	219684	66034	8726	874	0
15°	560408	125771	5563	0	0
20°	818838	178840	2291	0	0
25°	944680	175490	475	0	0
30°	1057269	120453	0	0	0
35°	1156285	51888	0	0	0
40°	1037795	20166	0	0	0
45°	529986	8184	0	0	0
50°	81799	991	0	0	0
55°	4864	0	360	0	0
60°	0	0	413	0	0
65°	0	0	1019	0	0
70°	0	604	1259	0	0
75°	0	799	2462	0	0
80°	0	1190	3670	0	0
85°	0	2371	7311	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 529986 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.8	1.1
10°-20°	176.9	13.3
20°-30°	437.3	32.9
30°-40°	502.9	37.9
40°-50°	186.5	14.0
50°-60°	6.8	0.5
60°-70°	0.6	0.0
70°-80°	1.1	0.1
80°-90°	1.0	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°	629.0	47.4
0°-40°	1131.9	85.2
0°-60°	1325.2	99.8
0°-90°	1328.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1328.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	71	71	71	71	71	
5°	257	160	65	26	19	56
15°	3143	705	31	0	0	904
25°	4971	924	2	0	0	2297
35°	5500	247	0	0	0	3334
45°	2176	34	0	0	0	1695
55°	16	0	1	0	0	56
65°	0	0	2	0	0	0
75°	0	1	4	0	0	0
85°	0	1	4	0	0	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°	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
2.5°	125.9	127.1	127.1	123.4	122.1	120.9	117.1	105.9	88.5	71.0	57.3
5°	256.7	258.0	258.0	250.5	235.5	220.6	208.1	159.5	102.2	64.8	42.4
7.5°	605.7	606.9	580.8	550.8	491.0	459.9	402.5	245.5	115.9	58.6	27.4
10°	1256.2	1228.8	1160.3	1073.0	980.8	861.2	740.3	377.6	125.9	49.9	17.4
12.5°	2099.9	2073.8	1985.3	1860.7	1680.0	1445.7	1216.3	530.9	127.1	39.9	10.0
15°	3143.1	3069.5	2963.6	2756.7	2490.0	2127.4	1748.5	705.4	122.1	31.2	2.5
17.5°	3951.9	3884.6	3750.0	3508.2	3176.7	2774.2	2309.3	871.1	108.4	19.9	0.0
20°	4467.8	4396.8	4270.9	4057.8	3705.1	3232.8	2700.6	975.8	89.7	12.5	0.0
21°	4614.9	4546.3	4423.0	4211.1	3859.7	3388.6	2796.6	998.3	81.0	10.0	0.0
22°	4744.5	4690.9	4576.3	4345.7	3988.0	3503.2	2893.8	1000.7	74.8	7.5	0.0
23°	4835.5	4796.8	4682.2	4470.3	4113.9	3596.7	2946.1	985.8	67.3	5.0	0.0
24°	4922.7	4875.4	4776.9	4580.0	4213.6	3675.2	2993.5	958.4	59.8	3.7	0.0
25°	4971.3	4916.5	4840.5	4656.0	4295.8	3725.1	3022.2	923.5	52.3	2.5	0.0
26°	5005.0	4962.6	4879.1	4700.9	4330.7	3757.5	3025.9	872.4	47.4	1.2	0.0
27°	5056.1	5013.7	4932.7	4740.8	4345.7	3752.5	3003.5	813.8	41.1	0.0	0.0
28°	5133.3	5077.2	4996.2	4783.1	4351.9	3731.3	2953.6	750.2	34.9	0.0	0.0
29°	5221.8	5164.5	5076.0	4839.2	4353.2	3688.9	2875.1	680.5	31.2	0.0	0.0
30°	5316.5	5266.7	5176.9	4894.0	4366.9	3634.1	2784.1	605.7	24.9	0.0	0.0
31°	5391.3	5346.4	5250.5	4943.9	4378.1	3586.7	2672.0	530.9	21.2	0.0	0.0
32°	5456.1	5416.2	5297.8	4955.1	4355.7	3519.4	2552.3	458.6	17.4	0.0	0.0
33°	5501.0	5451.1	5312.8	4926.4	4290.9	3408.5	2419.0	390.1	13.7	0.0	0.0
34°	5517.2	5457.4	5290.4	4851.7	4160.0	3240.3	2245.8	319.0	11.2	0.0	0.0
35°	5499.7	5426.2	5209.3	4723.3	3983.0	3039.6	2037.6	246.8	8.7	0.0	0.0
36°	5443.6	5350.2	5093.4	4540.1	3730.0	2802.8	1829.5	191.9	6.2	0.0	0.0
37°	5322.8	5219.3	4895.3	4298.3	3479.5	2531.1	1592.7	149.6	3.7	0.0	0.0
38°	5174.5	5024.9	4631.1	3993.0	3155.5	2225.8	1358.4	123.4	2.5	0.0	0.0
39°	4921.5	4757.0	4317.0	3641.6	2837.7	1935.4	1130.4	107.2	1.2	0.0	0.0
40°	4616.1	4420.5	3958.1	3265.2	2462.6	1631.3	943.4	89.7	1.2	0.0	0.0
42.5°	3482.0	3316.3	2819.0	2220.8	1505.5	962.1	523.4	58.6	0.0	0.0	0.0
45°	2176.0	2002.7	1666.2	1217.6	815.1	498.5	251.7	33.6	0.0	0.0	0.0
47.5°	888.6	815.1	670.5	515.9	368.9	234.3	104.7	15.0	0.0	0.0	0.0
50°	305.3	271.7	228.1	167.0	118.4	81.0	54.8	3.7	0.0	0.0	0.0
52.5°	88.5	89.7	78.5	67.3	52.3	37.4	27.4	0.0	0.0	0.0	0.0
55°	16.2	13.7	16.2	15.0	16.2	13.7	10.0	0.0	0.0	1.2	0.0
57.5°	0.0	0.0	1.2	1.2	1.2	1.2	1.2	0.0	1.2	1.2	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.5	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.5	1.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.5	2.5	1.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.5	2.5	1.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.5	3.7	1.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.5	3.7	1.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.5	3.7	1.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.5	3.7	1.2



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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	0.0	1.2	2.5	3.7	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.5	3.7	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.5	3.7	1.2
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°	71.0	71.0	71.0
2.5°	46.1	41.1	38.6
5°	26.2	19.9	18.7
7.5°	13.7	8.7	7.5
10°	5.0	1.2	0.0
12.5°	0.0	0.0	0.0
15°	0.0	0.0	0.0
17.5°	0.0	0.0	0.0
20°	0.0	0.0	0.0
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	0.0
39°	0.0	0.0	0.0
40°	0.0	0.0	0.0
42.5°	0.0	0.0	0.0
45°	0.0	0.0	0.0
47.5°	0.0	0.0	0.0
50°	0.0	0.0	0.0
52.5°	0.0	0.0	0.0
55°	0.0	0.0	0.0
57.5°	0.0	0.0	0.0
60°	0.0	0.0	0.0
62.5°	0.0	0.0	0.0
65°	0.0	0.0	0.0
67.5°	0.0	0.0	0.0
70°	0.0	0.0	0.0
72.5°	0.0	0.0	0.0
75°	0.0	0.0	0.0
77.5°	0.0	0.0	0.0
80°	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)