

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: P1315744

Luminaire Tested: LDSQA3D17R259735DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315744
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: LDSQA3D17R259735DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

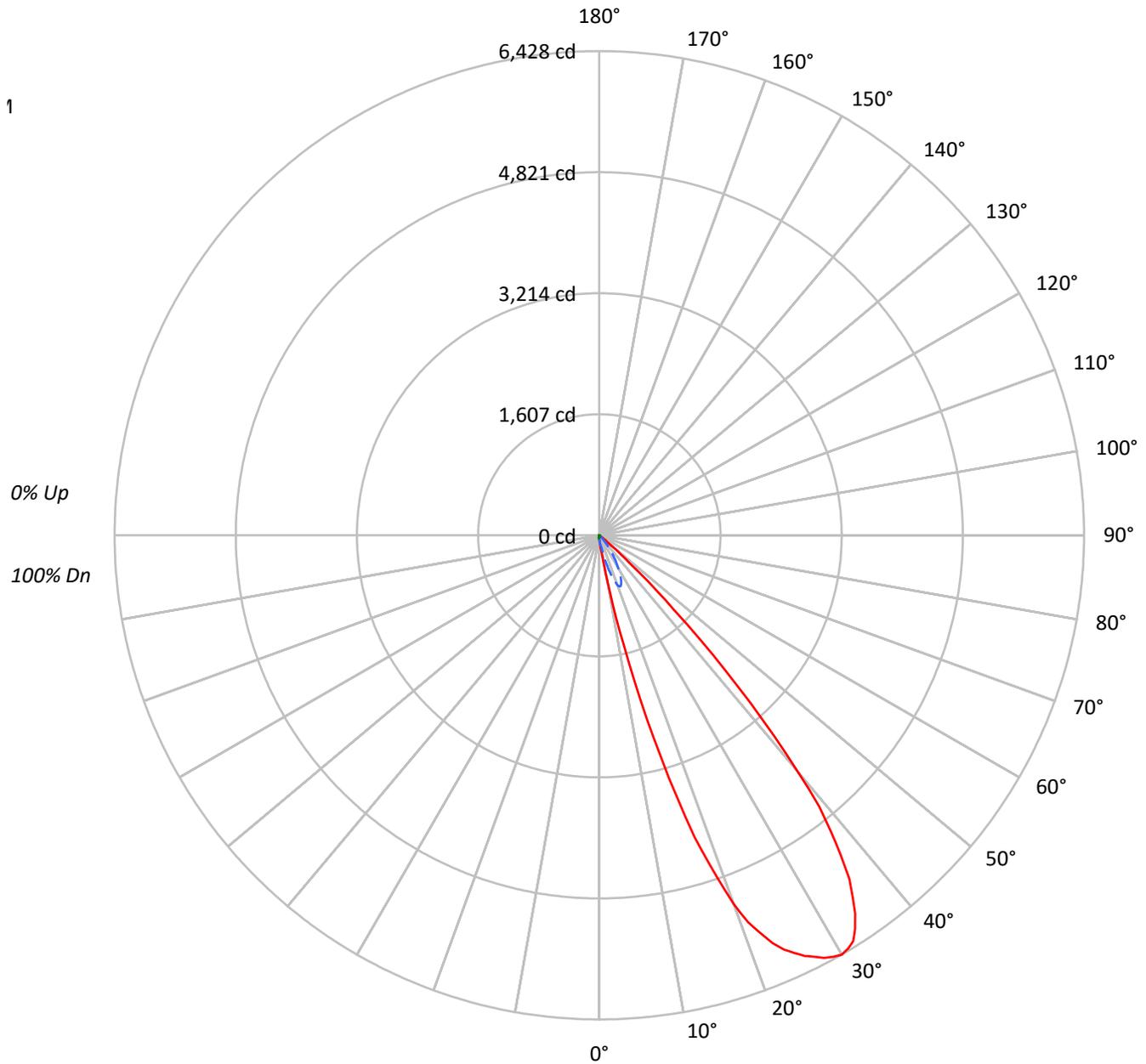
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1286.0 lumens
Efficiency: N/A
Efficacy: 60.7 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): 21.2
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	95	92	104	98	94	90	95	92	88	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	79	77	83	79	77	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	76	73	69	68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	71	66	63	61
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	65	60	57	55
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	60	55	52	50
8	71	60	52	48	70	59	52	47	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	42	51	46	42	41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	48	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	9507	9507	9507	9507	9507
5°	23858	17634	8921	4564	3527
10°	104281	30009	7345	2099	1469
15°	495900	80858	5135	856	642
20°	954609	129521	3299	220	220
25°	1162602	130643	1824	0	0
30°	1278228	99970	716	0	0
35°	1231805	63578	252	0	0
40°	920393	27518	0	0	270
45°	340740	7307	292	292	877
50°	40190	965	643	643	1286
55°	3963	0	721	1081	1802
60°	413	0	1240	1653	2067
65°	489	489	1956	2445	2934
70°	604	604	2417	2417	3626
75°	799	799	2396	2396	3194
80°	0	1190	3570	2380	3570
85°	0	2371	7114	2371	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 340740 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.0	0.6
10°-20°	149.9	11.7
20°-30°	470.6	36.6
30°-40°	495.4	38.5
40°-50°	145.5	11.3
50°-60°	7.8	0.6
60°-70°	3.8	0.3
70°-80°	3.3	0.3
80°-90°	1.7	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°	628.5	48.9
0°-40°	1123.9	87.4
0°-60°	1277.3	99.3
0°-90°	1286.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1286.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	55	55	55	55	55	
5°	138	102	52	26	20	25
15°	2781	454	29	5	4	877
25°	6118	688	10	0	0	2806
35°	5859	302	1	0	0	3535
45°	1399	30	1	1	4	1271
55°	13	0	2	4	6	34
65°	1	1	5	6	7	1
75°	1	1	4	4	5	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°	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
2.5°	85.2	86.4	82.8	85.2	82.8	81.6	80.4	74.4	64.8	55.2	45.6
5°	138.0	138.0	132.0	130.8	128.4	123.6	118.8	102.0	73.2	51.6	36.0
7.5°	216.0	214.8	212.4	206.4	194.4	182.4	170.4	133.2	80.4	48.0	27.6
10°	596.3	587.9	577.1	512.3	439.1	374.4	318.0	171.6	86.4	42.0	20.4
12.5°	1481.8	1433.8	1319.8	1190.3	1024.7	850.7	680.3	279.6	88.8	34.8	14.4
15°	2781.3	2681.7	2504.1	2244.9	1906.6	1526.2	1202.3	453.5	86.4	28.8	10.8
17.5°	4199.5	4103.5	3857.5	3464.0	2966.0	2381.7	1808.2	601.1	80.4	24.0	7.2
20°	5208.6	5106.6	4876.2	4458.7	3919.9	3141.2	2380.5	706.7	75.6	18.0	3.6
21°	5503.7	5401.7	5158.2	4755.0	4188.7	3407.6	2564.1	724.7	72.0	15.6	2.4
22°	5690.9	5630.9	5369.3	4978.2	4401.1	3621.2	2721.3	733.1	69.6	14.4	2.4
23°	5879.3	5789.3	5544.5	5131.8	4563.0	3779.5	2837.7	727.1	67.2	12.0	1.2
24°	6018.5	5942.9	5658.5	5250.6	4675.8	3876.7	2906.0	711.5	63.6	10.8	1.2
25°	6118.1	6048.5	5752.1	5331.0	4751.4	3929.5	2927.6	687.5	60.0	9.6	1.2
26°	6212.8	6137.3	5830.1	5377.7	4791.0	3946.3	2907.2	661.1	56.4	8.4	0.0
27°	6281.2	6204.4	5884.1	5405.3	4793.4	3925.9	2852.1	625.1	52.8	7.2	0.0
28°	6354.4	6265.6	5921.3	5420.9	4779.0	3877.9	2772.9	586.7	50.4	6.0	0.0
29°	6398.8	6314.8	5959.7	5437.7	4749.0	3797.5	2657.7	541.1	44.4	3.6	0.0
30°	6427.6	6328.0	5956.1	5419.7	4709.4	3711.1	2519.7	502.7	38.4	3.6	0.0
31°	6403.6	6299.2	5917.7	5369.3	4645.8	3598.4	2378.1	454.7	31.2	2.4	0.0
32°	6352.0	6228.4	5850.5	5281.8	4531.8	3453.2	2231.7	415.1	22.8	2.4	0.0
33°	6226.0	6121.7	5729.3	5164.2	4383.1	3256.4	2041.0	376.8	15.6	1.2	0.0
34°	6067.7	5963.3	5563.7	5007.0	4183.9	3002.0	1809.4	337.2	13.2	1.2	0.0
35°	5858.9	5755.7	5376.5	4787.4	3919.9	2696.1	1570.6	302.4	10.8	1.2	0.0
36°	5639.3	5502.5	5140.2	4553.4	3566.0	2348.1	1315.0	262.8	8.4	1.2	0.0
37°	5316.6	5224.2	4822.2	4197.1	3183.2	2014.6	1129.1	226.8	6.0	1.2	0.0
38°	4981.8	4896.6	4504.3	3838.3	2756.1	1684.6	945.5	192.0	4.8	0.0	0.0
39°	4636.2	4494.7	4107.1	3378.8	2308.5	1411.0	795.5	160.8	2.4	0.0	0.0
40°	4093.9	3985.9	3572.0	2826.9	1910.2	1143.5	677.9	122.4	2.4	0.0	0.0
42.5°	2714.1	2613.3	2178.9	1533.4	1015.1	668.3	447.5	48.0	0.0	1.2	0.0
45°	1399.0	1335.4	1084.7	802.7	575.9	410.4	288.0	30.0	0.0	1.2	1.2
47.5°	555.5	544.7	491.9	424.7	327.6	243.6	157.2	13.2	0.0	1.2	1.2
50°	150.0	151.2	141.6	130.8	118.8	111.6	66.0	3.6	0.0	2.4	1.2
52.5°	63.6	64.8	62.4	58.8	52.8	39.6	26.4	1.2	1.2	2.4	2.4
55°	13.2	14.4	15.6	16.8	19.2	16.8	10.8	0.0	1.2	2.4	2.4
57.5°	2.4	2.4	2.4	2.4	3.6	3.6	2.4	0.0	1.2	2.4	3.6
60°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	2.4	3.6	3.6
62.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4	3.6	4.8
65°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4	4.8	4.8
67.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.6	4.8	4.8
70°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.6	4.8	4.8
72.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.6	4.8	3.6
75°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.6	3.6	3.6
77.5°	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	2.4	3.6	3.6
80°	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	2.4	3.6	2.4



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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	1.2	1.2	2.4	3.6	2.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	3.6	2.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	3.6	2.4
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°	55.2	55.2	55.2
2.5°	38.4	34.8	33.6
5°	26.4	22.8	20.4
7.5°	18.0	14.4	13.2
10°	12.0	9.6	8.4
12.5°	8.4	4.8	4.8
15°	4.8	3.6	3.6
17.5°	2.4	1.2	1.2
20°	1.2	1.2	1.2
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	1.2
39°	0.0	1.2	1.2
40°	0.0	1.2	1.2
42.5°	0.0	1.2	2.4
45°	1.2	2.4	3.6
47.5°	2.4	3.6	4.8
50°	2.4	4.8	4.8
52.5°	3.6	4.8	6.0
55°	3.6	6.0	6.0
57.5°	4.8	6.0	7.2
60°	4.8	6.0	6.0
62.5°	4.8	7.2	7.2
65°	6.0	7.2	7.2
67.5°	6.0	7.2	7.2
70°	4.8	6.0	7.2
72.5°	4.8	6.0	6.0
75°	3.6	4.8	4.8
77.5°	3.6	3.6	4.8
80°	2.4	3.6	3.6



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	2.4	2.4	2.4
85°	1.2	1.2	1.2
87.5°	1.2	1.2	1.2
90°	0.0	0.0	0.0

(END OF REPORT)