

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: P1320231

Luminaire Tested: LDSQA3D17R259840DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320231
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: LDSQA3D17R259840DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

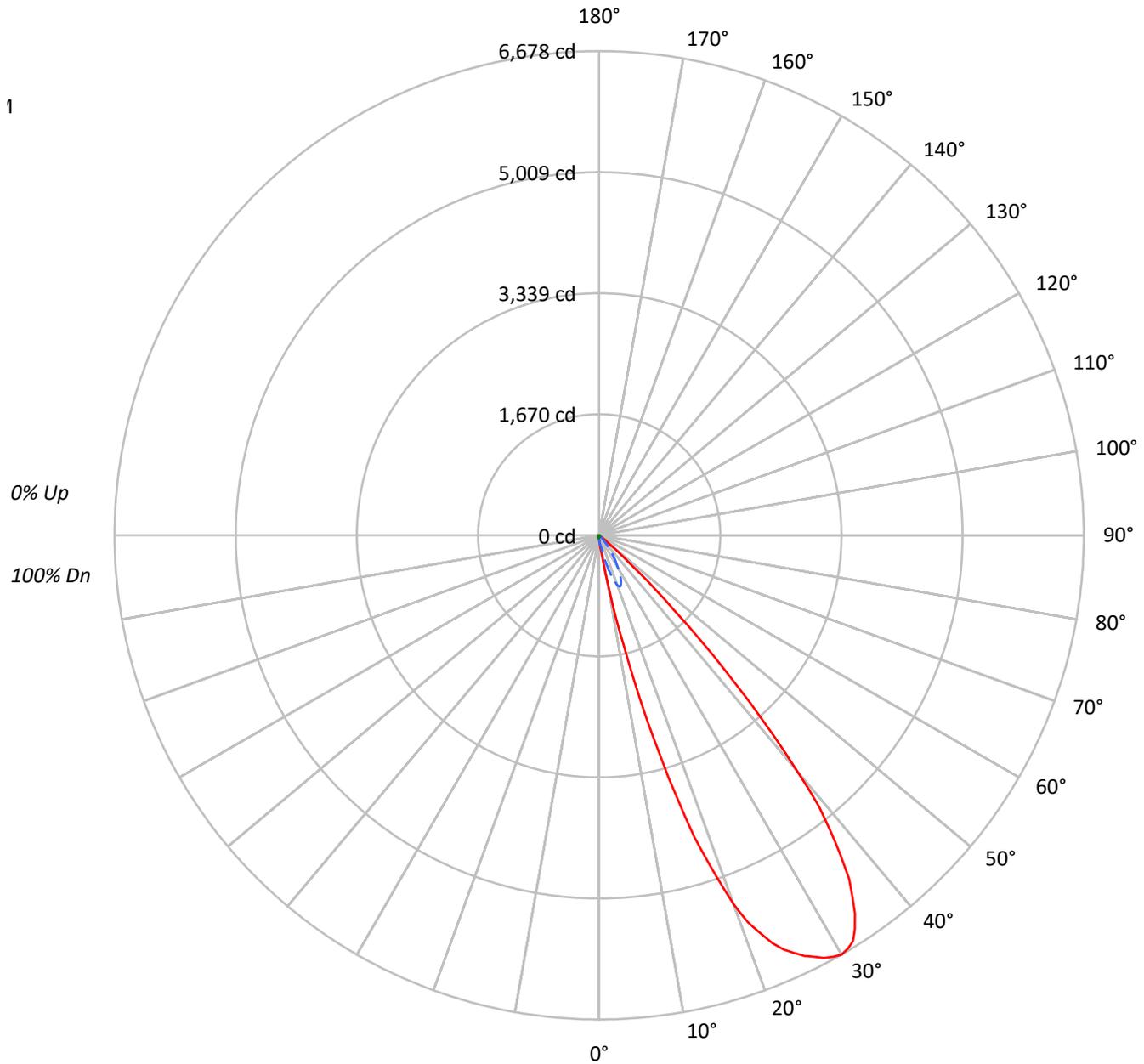
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1335.9 lumens
Efficiency: N/A
Efficacy: 65.5 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): 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	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°	9868	9868	9868	9868	9868
5°	24774	18325	9266	4737	3665
10°	108338	31181	7625	2186	1521
15°	515174	84014	5331	891	660
20°	991722	134561	3427	220	220
25°	1207790	135717	1900	0	0
30°	1327925	103867	736	0	0
35°	1279698	66038	252	0	0
40°	956185	28575	0	0	270
45°	353990	7599	292	292	901
50°	41744	991	670	670	1340
55°	4114	0	751	1111	1862
60°	413	0	1274	1722	2136
65°	489	489	2038	2527	3056
70°	604	604	2518	2518	3777
75°	799	799	2462	2462	3327
80°	0	1190	3670	2479	3670
85°	0	2371	7311	2371	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 353990 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.3	0.6
10°-20°	155.8	11.7
20°-30°	488.9	36.6
30°-40°	514.6	38.5
40°-50°	151.2	11.3
50°-60°	8.1	0.6
60°-70°	3.9	0.3
70°-80°	3.4	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°	653.0	48.9
0°-40°	1167.6	87.4
0°-60°	1326.9	99.3
0°-90°	1335.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1335.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	57	57	57	57	57	
5°	143	106	54	27	21	26
15°	2889	471	30	5	4	911
25°	6356	714	10	0	0	2915
35°	6087	314	1	0	0	3673
45°	1453	31	1	1	4	1321
55°	14	0	2	4	6	35
65°	1	1	5	6	8	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°	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
2.5°	88.5	89.7	86.0	88.5	86.0	84.8	83.5	77.3	67.3	57.3	47.4
5°	143.3	143.3	137.1	135.9	133.4	128.4	123.4	106.0	76.0	53.6	37.4
7.5°	224.4	223.1	220.6	214.4	201.9	189.5	177.0	138.4	83.5	49.9	28.7
10°	619.5	610.8	599.6	532.3	456.2	388.9	330.3	178.3	89.7	43.6	21.2
12.5°	1539.4	1489.6	1371.2	1236.5	1064.5	883.8	706.8	290.4	92.2	36.1	15.0
15°	2889.4	2785.9	2601.5	2332.2	1980.7	1585.6	1249.0	471.2	89.7	29.9	11.2
17.5°	4362.8	4263.0	4007.5	3598.7	3081.4	2474.3	1878.5	624.5	83.5	24.9	7.5
20°	5411.1	5305.1	5065.8	4632.0	4072.3	3263.3	2473.1	734.2	78.5	18.7	3.7
21°	5717.7	5611.8	5358.7	4939.9	4351.5	3540.1	2663.8	752.9	74.8	16.2	2.5
22°	5912.2	5849.8	5578.1	5171.7	4572.2	3762.0	2827.1	761.6	72.3	15.0	2.5
23°	6107.9	6014.4	5760.1	5331.3	4740.5	3926.5	2948.0	755.4	69.8	12.5	1.2
24°	6252.5	6173.9	5878.5	5454.7	4857.6	4027.5	3019.0	739.2	66.1	11.2	1.2
25°	6355.9	6283.6	5975.7	5538.2	4936.2	4082.3	3041.5	714.2	62.3	10.0	1.2
26°	6454.4	6375.9	6056.8	5586.8	4977.3	4099.8	3020.3	686.8	58.6	8.7	0.0
27°	6525.5	6445.7	6112.9	5615.5	4979.8	4078.6	2962.9	649.4	54.8	7.5	0.0
28°	6601.5	6509.2	6151.5	5631.7	4964.8	4028.7	2880.7	609.5	52.4	6.2	0.0
29°	6647.6	6560.4	6191.4	5649.2	4933.7	3945.2	2761.0	562.2	46.1	3.7	0.0
30°	6677.5	6574.1	6187.7	5630.5	4892.5	3855.4	2617.7	522.3	39.9	3.7	0.0
31°	6652.6	6544.2	6147.8	5578.1	4826.5	3738.3	2470.6	472.4	32.4	2.5	0.0
32°	6599.0	6470.6	6078.0	5487.1	4708.0	3587.4	2318.5	431.3	23.7	2.5	0.0
33°	6468.1	6359.7	5952.1	5365.0	4553.5	3383.0	2120.3	391.4	16.2	1.2	0.0
34°	6303.6	6195.1	5780.0	5201.7	4346.6	3118.8	1879.7	350.3	13.7	1.2	0.0
35°	6086.7	5979.5	5585.6	4973.6	4072.3	2800.9	1631.7	314.1	11.2	1.2	0.0
36°	5858.6	5716.5	5340.0	4730.5	3704.6	2439.4	1366.2	273.0	8.7	1.2	0.0
37°	5523.3	5427.3	5009.7	4360.3	3307.0	2092.9	1173.0	235.6	6.2	1.2	0.0
38°	5175.5	5087.0	4679.4	3987.6	2863.2	1750.1	982.2	199.4	5.0	0.0	0.0
39°	4816.5	4669.4	4266.8	3510.2	2398.3	1465.9	826.4	167.0	2.5	0.0	0.0
40°	4253.1	4140.9	3710.8	2936.8	1984.4	1187.9	704.3	127.1	2.5	0.0	0.0
42.5°	2819.6	2714.9	2263.7	1593.0	1054.5	694.3	464.9	49.9	0.0	1.2	0.0
45°	1453.4	1387.4	1126.8	833.9	598.3	426.3	299.2	31.2	0.0	1.2	1.2
47.5°	577.1	565.9	511.1	441.3	340.3	253.0	163.3	13.7	0.0	1.2	1.2
50°	155.8	157.1	147.1	135.9	123.4	115.9	68.6	3.7	0.0	2.5	1.2
52.5°	66.1	67.3	64.8	61.1	54.8	41.1	27.4	1.2	1.2	2.5	2.5
55°	13.7	15.0	16.2	17.5	19.9	17.5	11.2	0.0	1.2	2.5	2.5
57.5°	2.5	2.5	2.5	2.5	3.7	3.7	2.5	0.0	1.2	2.5	3.7
60°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	2.5	3.7	3.7
62.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5	3.7	5.0
65°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5	5.0	5.0
67.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.7	5.0	5.0
70°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.7	5.0	5.0
72.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.7	5.0	3.7
75°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.7	3.7	3.7
77.5°	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	2.5	3.7	3.7
80°	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	2.5	3.7	2.5



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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	2.5	3.7	2.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.5	3.7	2.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.5	3.7	2.5
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°	57.3	57.3	57.3
2.5°	39.9	36.1	34.9
5°	27.4	23.7	21.2
7.5°	18.7	15.0	13.7
10°	12.5	10.0	8.7
12.5°	8.7	5.0	5.0
15°	5.0	3.7	3.7
17.5°	2.5	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	2.5
45°	1.2	2.5	3.7
47.5°	2.5	3.7	5.0
50°	2.5	5.0	5.0
52.5°	3.7	5.0	6.2
55°	3.7	6.2	6.2
57.5°	5.0	6.2	7.5
60°	5.0	6.2	6.2
62.5°	5.0	7.5	7.5
65°	6.2	7.5	7.5
67.5°	6.2	7.5	7.5
70°	5.0	6.2	7.5
72.5°	5.0	6.2	6.2
75°	3.7	5.0	5.0
77.5°	3.7	3.7	5.0
80°	2.5	3.7	3.7



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	2.5	2.5	2.5
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)