

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: P1319501

Luminaire Tested: LDSQA3D20R259835D010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319501
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: LDSQA3D20R259835D010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

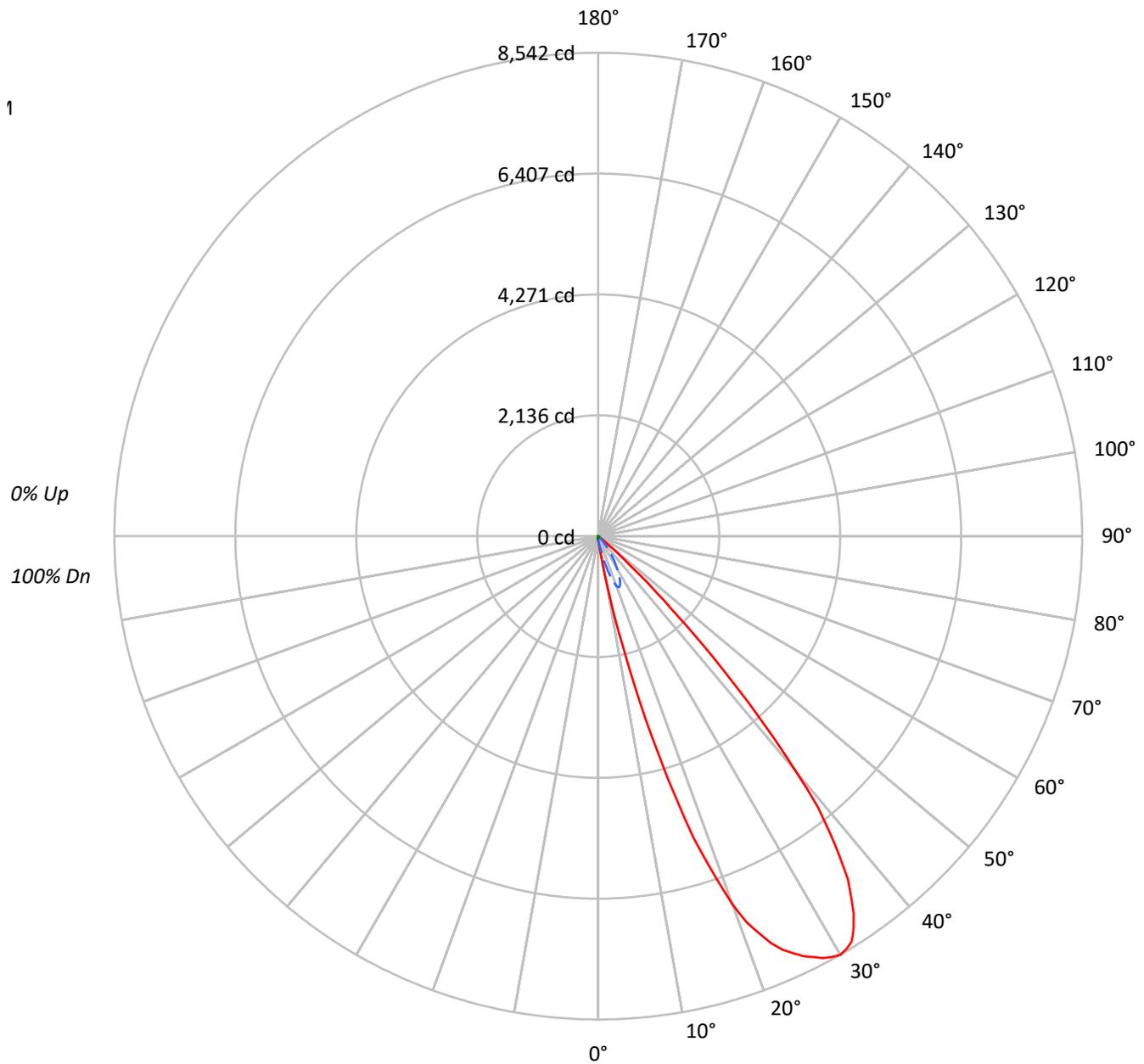
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1709.1 lumens
Efficiency: N/A
Efficacy: 62.4 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): 27.4
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

TEST NUMBER: P1319501
CATALOG NUMBER: LDSQA3D20R259835D010 3LSQCA30R 1MW

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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	55
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	50
8	71	60	52	48	70	59	52	47	58	52	47	57	51	47	56	51	47	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	12624	12624	12624	12624	12624
5°	31706	23425	11860	6068	4685
10°	138592	39873	9758	2781	1959
15°	659007	107460	6829	1141	856
20°	1268596	172132	4380	293	293
25°	1545012	173627	2432	0	0
30°	1698670	132862	955	0	0
35°	1636968	84476	336	0	0
40°	1223137	36556	0	0	360
45°	452826	9718	390	390	1169
50°	53399	1286	857	857	1715
55°	5255	0	961	1441	2402
60°	551	0	1653	2204	2756
65°	652	652	2608	3260	3912
70°	806	806	3223	3223	4834
75°	1065	1065	3194	3194	4259
80°	0	1587	4761	3174	4761
85°	0	3162	9485	3162	3162

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 452826 cd/sqm



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CATALOG NUMBER: LDSQA3D20R259835D010 3LSQCA30R 1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.7	0.6
10°-20°	199.2	11.7
20°-30°	625.4	36.6
30°-40°	658.3	38.5
40°-50°	193.4	11.3
50°-60°	10.4	0.6
60°-70°	5.0	0.3
70°-80°	4.3	0.3
80°-90°	2.3	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°	835.3	48.9
0°-40°	1493.6	87.4
0°-60°	1697.4	99.3
0°-90°	1709.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1709.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	73	73	73	73	73	
5°	183	136	69	35	27	33
15°	3696	603	38	6	5	1165
25°	8130	914	13	0	0	3729
35°	7786	402	2	0	0	4698
45°	1859	40	2	2	5	1690
55°	18	0	3	5	8	45
65°	2	2	6	8	10	2
75°	2	2	5	5	6	1
85°	0	2	5	2	2	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°	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
2.5°	113.2	114.8	110.0	113.2	110.0	108.4	106.8	98.9	86.1	73.3	60.6
5°	183.4	183.4	175.4	173.8	170.6	164.2	157.9	135.5	97.3	68.6	47.8
7.5°	287.0	285.4	282.2	274.3	258.3	242.4	226.4	177.0	106.8	63.8	36.7
10°	792.5	781.3	767.0	680.9	583.6	497.5	422.5	228.0	114.8	55.8	27.1
12.5°	1969.2	1905.4	1754.0	1581.8	1361.7	1130.5	904.1	371.5	118.0	46.2	19.1
15°	3696.1	3563.7	3327.8	2983.3	2533.7	2028.2	1597.7	602.7	114.8	38.3	14.4
17.5°	5580.8	5453.3	5126.4	4603.4	3941.7	3165.1	2402.9	798.9	106.8	31.9	9.6
20°	6921.8	6786.3	6480.1	5925.2	5209.3	4174.4	3163.5	939.2	100.5	23.9	4.8
21°	7314.1	7178.5	6854.8	6319.1	5566.5	4528.4	3407.5	963.1	95.7	20.7	3.2
22°	7562.8	7483.1	7135.5	6615.7	5848.7	4812.3	3616.4	974.3	92.5	19.1	3.2
23°	7813.1	7693.6	7368.3	6819.8	6064.0	5022.7	3771.0	966.3	89.3	15.9	1.6
24°	7998.1	7897.7	7519.7	6977.6	6213.8	5151.9	3861.9	945.5	84.5	14.4	1.6
25°	8130.5	8038.0	7644.1	7084.4	6314.3	5222.0	3890.6	913.7	79.7	12.8	1.6
26°	8256.4	8156.0	7747.8	7146.6	6366.9	5244.4	3863.5	878.6	74.9	11.2	0.0
27°	8347.3	8245.3	7819.5	7183.3	6370.1	5217.3	3790.2	830.7	70.2	9.6	0.0
28°	8444.6	8326.6	7868.9	7204.0	6351.0	5153.5	3684.9	779.7	67.0	8.0	0.0
29°	8503.6	8392.0	7920.0	7226.4	6311.1	5046.7	3531.9	719.1	59.0	4.8	0.0
30°	8541.8	8409.5	7915.2	7202.4	6258.5	4931.8	3348.5	668.1	51.0	4.8	0.0
31°	8509.9	8371.2	7864.2	7135.5	6174.0	4782.0	3160.3	604.3	41.5	3.2	0.0
32°	8441.4	8277.1	7774.9	7019.1	6022.5	4589.0	2965.8	551.7	30.3	3.2	0.0
33°	8274.0	8135.2	7613.8	6862.8	5824.8	4327.5	2712.3	500.7	20.7	1.6	0.0
34°	8063.5	7924.8	7393.8	6653.9	5560.1	3989.5	2404.5	448.1	17.5	1.6	0.0
35°	7786.0	7648.9	7145.0	6362.1	5209.3	3582.9	2087.2	401.8	14.4	1.6	0.0
36°	7494.2	7312.5	6830.9	6051.2	4738.9	3120.5	1747.6	349.2	11.2	1.6	0.0
37°	7065.3	6942.5	6408.4	5577.6	4230.3	2677.2	1500.4	301.4	8.0	1.6	0.0
38°	6620.4	6507.2	5985.8	5100.9	3662.6	2238.7	1256.5	255.1	6.4	0.0	0.0
39°	6161.2	5973.1	5458.0	4490.2	3067.9	1875.2	1057.2	213.7	3.2	0.0	0.0
40°	5440.5	5297.0	4746.9	3756.7	2538.5	1519.6	900.9	162.6	3.2	0.0	0.0
42.5°	3606.8	3472.9	2895.6	2037.8	1349.0	888.1	594.8	63.8	0.0	1.6	0.0
45°	1859.2	1774.7	1441.4	1066.7	765.4	545.3	382.7	39.9	0.0	1.6	1.6
47.5°	738.3	723.9	653.8	564.5	435.3	323.7	208.9	17.5	0.0	1.6	1.6
50°	199.3	200.9	188.2	173.8	157.9	148.3	87.7	4.8	0.0	3.2	1.6
52.5°	84.5	86.1	82.9	78.1	70.2	52.6	35.1	1.6	1.6	3.2	3.2
55°	17.5	19.1	20.7	22.3	25.5	22.3	14.4	0.0	1.6	3.2	3.2
57.5°	3.2	3.2	3.2	3.2	4.8	4.8	3.2	0.0	1.6	3.2	4.8
60°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	3.2	4.8	4.8
62.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.2	4.8	6.4
65°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.2	6.4	6.4
67.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	4.8	6.4	6.4
70°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	4.8	6.4	6.4
72.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	4.8	6.4	4.8
75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	4.8	4.8	4.8
77.5°	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	3.2	4.8	4.8
80°	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	3.2	4.8	3.2



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CATALOG NUMBER: LDSQA3D20R259835D010 3LSQCA30R 1MW

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	1.6	1.6	3.2	4.8	3.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	4.8	3.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	4.8	3.2
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°	73.3	73.3	73.3
2.5°	51.0	46.2	44.6
5°	35.1	30.3	27.1
7.5°	23.9	19.1	17.5
10°	15.9	12.8	11.2
12.5°	11.2	6.4	6.4
15°	6.4	4.8	4.8
17.5°	3.2	1.6	1.6
20°	1.6	1.6	1.6
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	1.6
39°	0.0	1.6	1.6
40°	0.0	1.6	1.6
42.5°	0.0	1.6	3.2
45°	1.6	3.2	4.8
47.5°	3.2	4.8	6.4
50°	3.2	6.4	6.4
52.5°	4.8	6.4	8.0
55°	4.8	8.0	8.0
57.5°	6.4	8.0	9.6
60°	6.4	8.0	8.0
62.5°	6.4	9.6	9.6
65°	8.0	9.6	9.6
67.5°	8.0	9.6	9.6
70°	6.4	8.0	9.6
72.5°	6.4	8.0	8.0
75°	4.8	6.4	6.4
77.5°	4.8	4.8	6.4
80°	3.2	4.8	4.8



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	3.2	3.2	3.2
85°	1.6	1.6	1.6
87.5°	1.6	1.6	1.6
90°	0.0	0.0	0.0

(END OF REPORT)