

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: P1318464

Luminaire Tested: LDSQA3D17R209830DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318464
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-60)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R209830DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

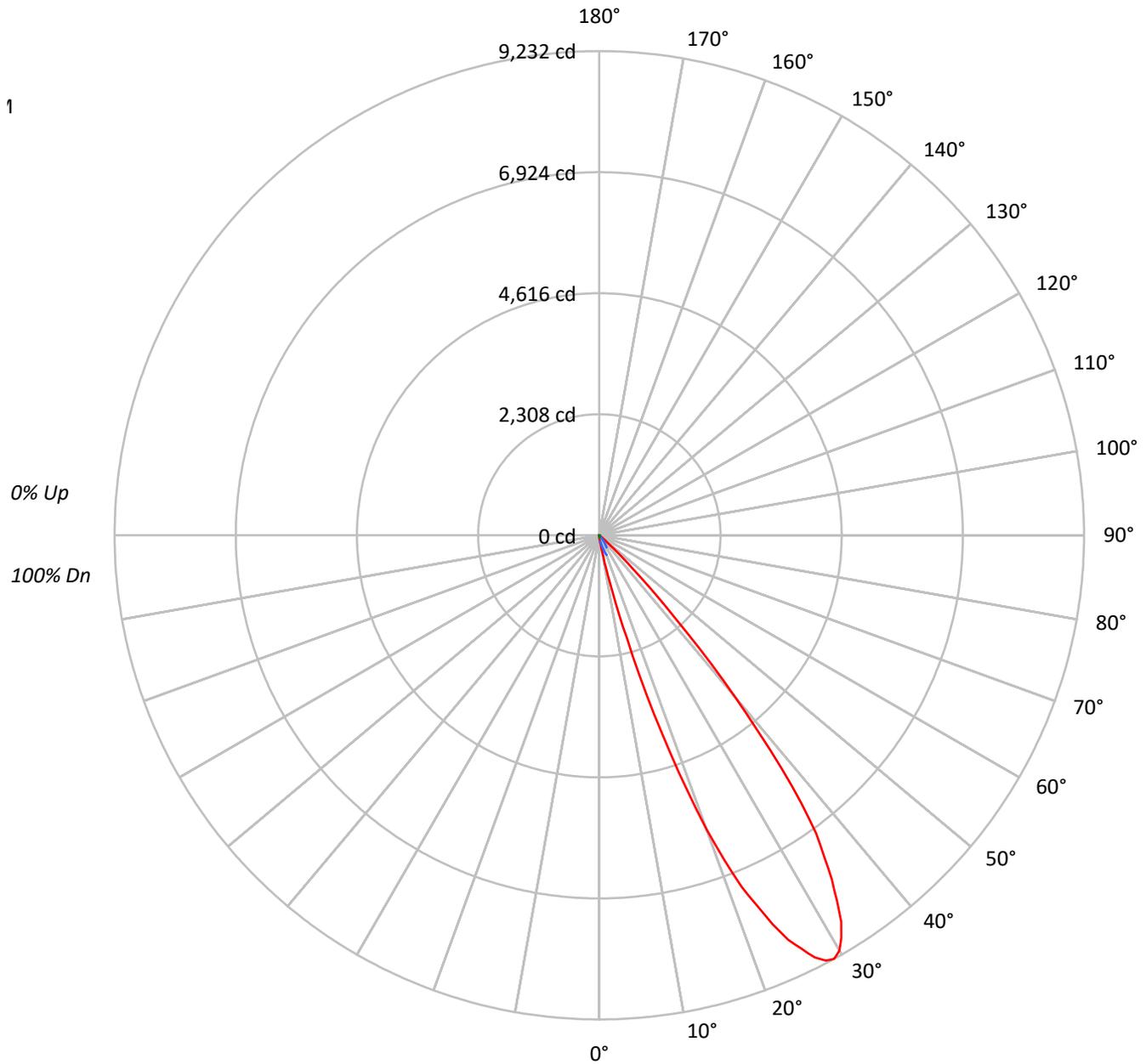
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1295.0 lumens
Efficiency: N/A
Efficacy: 63.5 lumens/watt
Spacing Criteria (0/90/45): 2.3 / 0.54 / 1.19
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 (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

TEST NUMBER: P1318464
CATALOG NUMBER: LDSQA3D17R209830DE010 3LSQCA30R 1MW

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270°



TEST NUMBER: P1318464

CATALOG NUMBER: LDSQA3D17R209830DE010 3LSQCA30R 1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	99	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	76	71	79	74	71	77	73	70	77	73	70	68
5	87	77	70	65	85	76	70	65	74	69	64	72	68	64	71	67	63	71	67	63	61
6	81	71	64	59	80	70	63	58	68	62	58	67	62	58	65	61	57	65	61	57	55
7	76	65	58	53	74	64	57	53	63	57	52	62	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	42	39	48	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	7681	7681	7681	7681	7681
5°	17668	13208	7313	4460	3855
10°	55682	23014	5963	2466	1854
15°	360715	42524	4404	838	214
20°	1088693	72779	3006	0	0
25°	1616823	73445	1786	0	0
30°	1818208	55841	696	0	0
35°	1568764	33345	484	0	0
40°	903352	11353	0	0	0
45°	220348	4579	292	0	292
50°	26445	1259	322	322	938
55°	3513	0	691	691	1411
60°	413	0	1206	1206	2032
65°	489	489	1915	1915	2853
70°	604	604	2367	2367	2971
75°	0	799	3127	2329	3127
80°	0	1190	3471	2281	3471
85°	0	2371	6916	2371	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 2.5°
 Vertical Angle: 45°
 Luminance: 221761 cd/sqm



TEST NUMBER: P1318464

CATALOG NUMBER: LDSQA3D17R209830DE010 3LSQCA30R 1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.0	0.5
10°-20°	120.0	9.3
20°-30°	523.1	40.4
30°-40°	526.8	40.7
40°-50°	105.7	8.2
50°-60°	5.3	0.4
60°-70°	3.5	0.3
70°-80°	3.1	0.2
80°-90°	1.6	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°	649.1	50.1
0°-40°	1175.9	90.8
0°-60°	1286.8	99.4
0°-90°	1295.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1295.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	45	45	45	45	45	
5°	102	76	42	26	22	16
15°	2023	238	25	5	1	792
25°	8508	386	9	0	0	3836
35°	7462	159	2	0	0	4440
45°	905	19	1	0	1	985
55°	12	0	2	2	5	22
65°	1	1	5	5	7	1
75°	0	1	5	4	5	0
85°	0	1	4	1	1	0
90°	0	0	0	0	0	



TEST NUMBER: P1318464

CATALOG NUMBER: LDSQA3D17R209830DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
0°	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
2.5°	67.0	67.0	65.8	65.8	64.6	65.8	63.4	64.6	64.6	63.4	57.6
5°	102.2	104.6	103.4	103.4	102.2	103.4	101.0	98.7	96.3	96.3	76.4
7.5°	168.0	166.8	164.5	165.7	162.1	159.8	157.4	156.3	149.2	145.7	99.9
10°	318.4	325.4	319.6	318.4	297.2	296.1	282.0	262.0	244.4	235.0	131.6
12.5°	876.5	914.1	855.3	827.1	810.7	747.2	720.2	650.9	583.9	533.4	166.8
15°	2023.1	2115.9	1997.3	2005.5	1906.8	1725.9	1567.3	1431.0	1270.0	1107.9	238.5
17.5°	3964.0	3888.8	3824.2	3714.9	3514.0	3248.5	2906.6	2560.0	2260.5	1946.8	332.5
20°	5940.2	5873.2	5726.3	5487.8	5231.7	4838.1	4431.6	3911.1	3407.1	2934.8	397.1
21°	6620.4	6598.1	6357.2	6210.4	5815.6	5439.7	4970.9	4414.0	3846.5	3287.3	407.7
22°	7227.8	7093.9	6964.6	6747.3	6354.9	5946.0	5424.4	4838.1	4222.5	3601.0	408.9
23°	7648.4	7587.3	7465.1	7219.6	6829.5	6349.0	5799.2	5185.9	4537.4	3823.0	405.3
24°	8113.7	8036.1	7857.5	7570.9	7177.3	6702.6	6075.3	5466.7	4761.8	4009.8	395.9
25°	8508.4	8387.4	8175.9	7866.9	7436.9	6947.0	6316.1	5647.6	4918.0	4135.5	386.5
26°	8764.5	8698.8	8427.4	8091.3	7630.8	7125.6	6481.8	5786.2	5019.1	4193.1	371.3
27°	9031.2	8910.2	8643.5	8257.0	7757.7	7241.9	6575.8	5853.2	5054.3	4195.5	352.5
28°	9184.0	9052.4	8750.4	8343.9	7839.9	7306.5	6629.8	5874.4	5047.2	4159.0	330.1
29°	9232.1	9066.5	8771.6	8358.0	7859.9	7311.2	6621.6	5843.8	4985.0	4069.8	304.3
30°	9142.9	8973.7	8694.1	8291.1	7796.5	7252.5	6545.2	5742.8	4874.5	3941.7	280.8
31°	8947.8	8804.5	8534.3	8130.1	7655.5	7115.0	6372.5	5577.1	4686.6	3770.2	253.8
32°	8690.5	8549.5	8284.0	7918.6	7435.8	6890.6	6136.4	5318.6	4465.7	3514.0	226.8
33°	8304.0	8222.9	7984.4	7635.5	7152.6	6569.9	5819.1	5009.7	4150.8	3229.7	203.3
34°	7912.8	7810.5	7643.7	7261.9	6742.6	6161.0	5405.6	4583.2	3766.6	2911.3	180.9
35°	7461.6	7400.5	7138.5	6833.1	6311.4	5716.9	4966.2	4168.4	3319.0	2556.5	158.6
36°	7024.6	6930.6	6632.2	6309.1	5802.7	5160.0	4418.7	3669.1	2932.5	2224.0	135.1
37°	6390.1	6246.8	6034.1	5693.4	5101.3	4553.8	3877.1	3181.6	2456.7	1864.5	109.3
38°	5644.1	5577.1	5282.2	4939.2	4449.2	3929.9	3260.3	2670.5	2026.7	1556.7	83.4
39°	4764.1	4762.9	4481.0	4233.1	3753.7	3286.1	2682.2	2167.6	1673.0	1253.6	64.6
40°	4018.1	3879.4	3705.5	3394.2	3026.5	2629.4	2100.7	1696.5	1298.2	1010.4	50.5
42.5°	2106.5	2094.8	1992.6	1758.8	1553.2	1319.4	1049.2	874.1	683.8	556.9	31.7
45°	904.7	910.5	840.0	804.8	724.9	627.4	529.9	441.8	378.3	306.6	18.8
47.5°	229.1	219.7	217.4	225.6	225.6	218.5	196.2	184.5	170.4	156.3	10.6
50°	98.7	96.3	94.0	94.0	88.1	84.6	78.7	71.7	65.8	58.7	4.7
52.5°	36.4	37.6	38.8	37.6	37.6	36.4	36.4	35.2	31.7	28.2	2.3
55°	11.7	11.7	11.7	12.9	12.9	14.1	14.1	14.1	14.1	12.9	0.0
57.5°	2.3	2.3	3.5	3.5	3.5	3.5	3.5	3.5	4.7	4.7	0.0
60°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0
62.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
65°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
67.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
70°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
72.5°	1.2	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
75°	0.0	0.0	0.0	1.2	0.0	1.2	1.2	0.0	1.2	1.2	1.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2



TEST NUMBER: P1318464

CATALOG NUMBER: LDSQA3D17R209830DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



TEST NUMBER: P1318464

CATALOG NUMBER: LDSQA3D17R209830DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	44.6	44.6	44.6	44.6	44.6	44.6
2.5°	51.7	45.8	38.8	32.9	31.7	30.5
5°	57.6	42.3	31.7	25.8	23.5	22.3
7.5°	62.3	38.8	25.8	18.8	16.4	15.3
10°	64.6	34.1	21.1	14.1	10.6	10.6
12.5°	65.8	29.4	15.3	9.4	5.9	5.9
15°	64.6	24.7	11.7	4.7	1.2	1.2
17.5°	58.7	20.0	7.0	1.2	0.0	0.0
20°	50.5	16.4	4.7	0.0	0.0	0.0
21°	48.2	14.1	3.5	0.0	0.0	0.0
22°	44.6	12.9	2.3	0.0	0.0	0.0
23°	41.1	11.7	2.3	0.0	0.0	0.0
24°	37.6	10.6	1.2	0.0	0.0	0.0
25°	35.2	9.4	1.2	0.0	0.0	0.0
26°	32.9	8.2	1.2	0.0	0.0	0.0
27°	29.4	7.0	0.0	0.0	0.0	0.0
28°	27.0	5.9	0.0	0.0	0.0	0.0
29°	23.5	4.7	0.0	0.0	0.0	0.0
30°	20.0	3.5	0.0	0.0	0.0	0.0
31°	16.4	3.5	0.0	0.0	0.0	0.0
32°	14.1	2.3	0.0	0.0	0.0	0.0
33°	11.7	2.3	0.0	0.0	0.0	0.0
34°	10.6	2.3	0.0	0.0	0.0	0.0
35°	9.4	2.3	0.0	0.0	0.0	0.0
36°	7.0	1.2	0.0	0.0	0.0	0.0
37°	5.9	1.2	0.0	0.0	0.0	0.0
38°	4.7	1.2	0.0	0.0	0.0	0.0
39°	3.5	0.0	0.0	0.0	0.0	0.0
40°	3.5	0.0	0.0	0.0	0.0	0.0
42.5°	1.2	0.0	0.0	0.0	0.0	0.0
45°	0.0	1.2	0.0	0.0	1.2	1.2
47.5°	0.0	1.2	0.0	0.0	1.2	2.3
50°	0.0	1.2	1.2	1.2	2.3	3.5
52.5°	0.0	2.3	1.2	1.2	3.5	3.5
55°	1.2	2.3	1.2	2.3	4.7	4.7
57.5°	1.2	2.3	2.3	3.5	4.7	5.9
60°	2.3	3.5	3.5	3.5	5.9	5.9
62.5°	2.3	3.5	4.7	4.7	5.9	7.0
65°	2.3	4.7	4.7	4.7	5.9	7.0
67.5°	3.5	4.7	4.7	4.7	5.9	7.0
70°	3.5	4.7	4.7	4.7	5.9	5.9
72.5°	3.5	4.7	3.5	4.7	4.7	5.9
75°	3.5	4.7	3.5	3.5	4.7	4.7
77.5°	2.3	3.5	3.5	2.3	3.5	3.5
80°	2.3	3.5	2.3	2.3	3.5	3.5



TEST NUMBER: P1318464

CATALOG NUMBER: LDSQA3D17R209830DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	2.3	3.5	2.3	1.2	2.3	2.3
85°	2.3	3.5	2.3	1.2	1.2	1.2
87.5°	2.3	3.5	2.3	1.2	0.0	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)