

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: P1318676

Luminaire Tested: LDSQA3D20R409830D010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318676
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-64)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R409830D010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

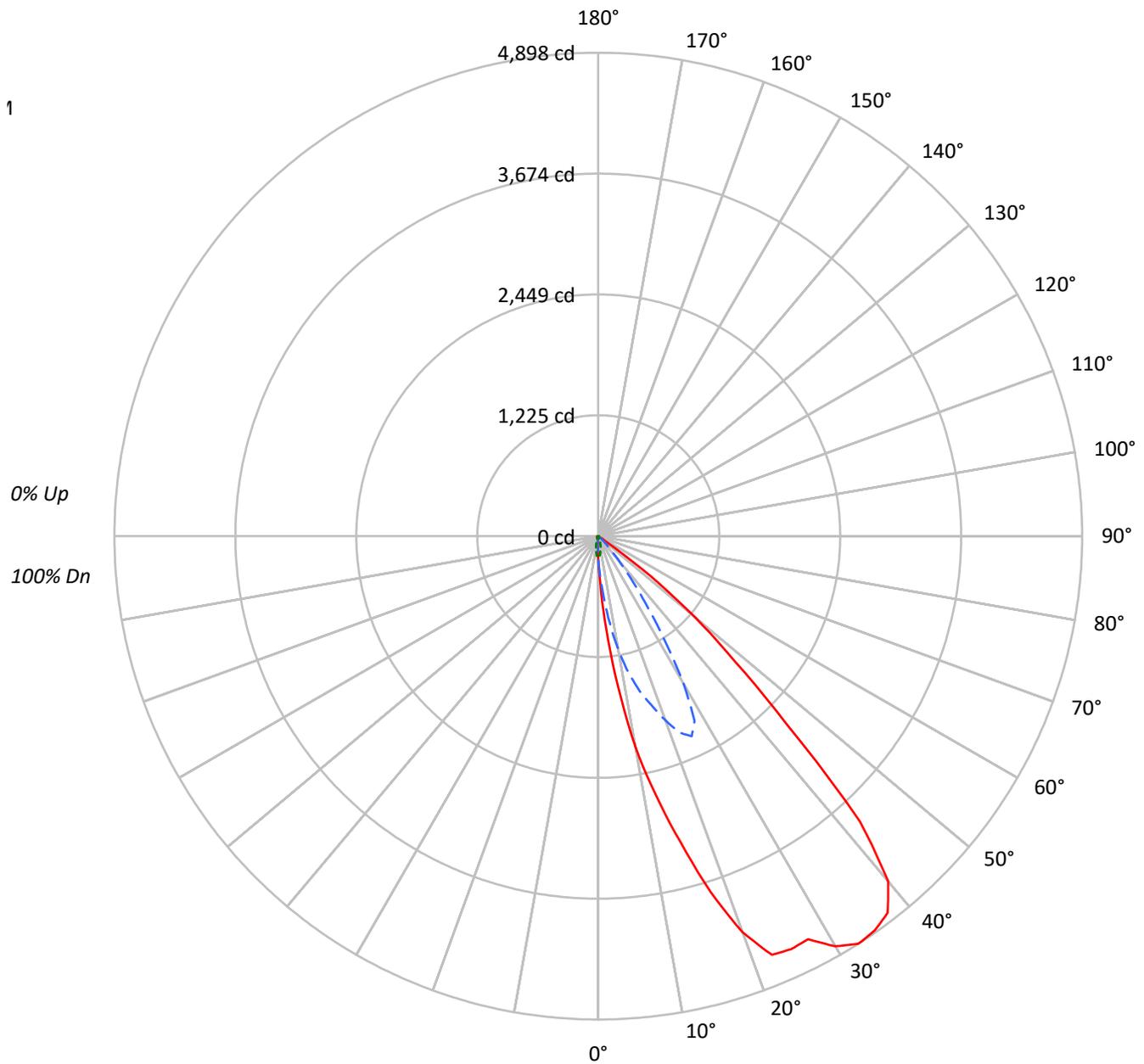
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1807.0 lumens
Efficiency: N/A
Efficacy: 65.9 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.42 / 1.24
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 (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: P1318676
CATALOG NUMBER: LDSQA3D20R409830D010 3LSQCA30R 1MW

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270°



TEST NUMBER: P1318676

CATALOG NUMBER: LDSQA3D20R409830D010 3LSQCA30R 1MW

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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	96	94	93	91
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	89	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	82	79	76	74
4	92	83	77	71	90	82	76	71	80	74	70	78	73	69	76	72	68	76	72	68	67
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	70	65	62	60
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	60	56	64	60	56	54
7	75	64	57	52	74	63	56	51	62	56	51	61	55	51	59	54	51	59	54	51	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	55	50	46	44
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	51	46	42	40
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	36821	36821	36821	36821	36821
5°	166069	105872	33003	12672	9249
10°	380870	204591	23241	4547	3480
15°	571570	290269	14424	2443	2175
20°	782623	363875	8394	1393	1686
25°	877334	425166	4352	1159	1444
30°	954276	343202	1830	915	1511
35°	1025575	175639	652	1282	1934
40°	1025947	70054	337	1371	2406
45°	655054	23430	755	2241	3337
50°	340031	2867	1232	2867	4099
55°	29336	450	1381	3663	5044
60°	1068	517	1584	4202	5787
65°	1263	611	2486	4360	6235
70°	755	755	3072	4633	6143
75°	998	998	3061	5057	7120
80°	1488	1488	4562	4562	6050
85°	0	2964	9090	6126	6126

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 655054 cd/sqm



TEST NUMBER: P1318676

CATALOG NUMBER: LDSQA3D20R409830D010 3LSQCA30R 1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.6	2.3
10°-20°	244.6	13.5
20°-30°	535.6	29.6
30°-40°	610.2	33.8
40°-50°	322.0	17.8
50°-60°	38.0	2.1
60°-70°	6.8	0.4
70°-80°	5.6	0.3
80°-90°	2.6	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°	821.9	45.5
0°-40°	1432.1	79.3
0°-60°	1792.0	99.2
0°-90°	1807.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1807.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	214	214	214	214	214	
5°	961	612	191	73	54	129
15°	3206	1628	81	14	12	944
25°	4617	2237	23	6	8	2127
35°	4878	835	3	6	9	3023
45°	2690	96	3	9	14	2168
55°	98	2	5	12	17	303
65°	3	2	6	11	15	3
75°	2	2	5	8	11	2
85°	0	2	5	3	3	0
90°	0	0	0	0	0	



TEST NUMBER: P1318676

CATALOG NUMBER: LDSQA3D20R409830D010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	213.8	213.8	213.8	213.8	213.8	213.8	213.8	213.8	213.8	213.8	213.8
2.5°	476.5	476.5	475.0	461.2	459.7	458.2	433.7	427.6	398.6	378.8	288.6
5°	960.6	939.3	937.7	913.3	872.1	817.1	781.9	725.4	670.5	612.4	355.8
7.5°	1530.3	1548.6	1498.2	1472.3	1380.6	1315.0	1214.2	1125.6	1001.9	885.8	410.8
10°	2177.9	2145.8	2095.4	2045.0	1945.7	1828.1	1678.4	1521.1	1342.4	1169.9	441.4
12.5°	2683.4	2642.1	2611.6	2542.9	2445.1	2293.9	2115.2	1904.5	1667.8	1418.8	439.8
15°	3205.7	3164.5	3095.7	3034.6	2889.5	2720.0	2526.1	2248.1	1957.9	1628.0	407.8
17.5°	3779.9	3726.5	3650.1	3557.0	3416.4	3228.6	2982.7	2643.7	2232.8	1799.1	349.7
20°	4270.2	4238.1	4161.7	4051.8	3914.3	3731.1	3447.0	3071.3	2570.4	1985.4	278.0
22.5°	4590.9	4561.9	4510.0	4413.7	4309.9	4114.4	3854.8	3442.4	2852.9	2154.9	210.8
25°	4616.9	4604.6	4590.9	4558.8	4496.2	4357.2	4103.7	3659.3	3028.5	2237.4	155.8
27.5°	4603.1	4598.5	4595.5	4578.7	4537.4	4400.0	4140.4	3691.3	3005.6	2109.1	114.5
30°	4798.6	4784.9	4777.2	4722.2	4613.8	4401.5	4062.5	3518.8	2671.2	1725.8	82.5
32.5°	4897.9	4894.8	4887.2	4833.7	4681.0	4404.6	3931.1	3101.8	2118.3	1246.2	56.5
35°	4878.0	4862.7	4835.3	4736.0	4523.7	4177.0	3506.6	2477.2	1528.8	835.4	36.7
37.5°	4810.8	4775.7	4722.2	4543.6	4261.0	3787.6	2843.7	1823.5	1040.1	540.6	21.4
40°	4563.4	4516.1	4432.1	4213.7	3842.5	3121.7	2103.0	1232.5	682.7	311.6	6.1
42.5°	3923.5	3862.4	3801.3	3557.0	3132.4	2327.5	1383.7	762.1	389.4	171.1	1.5
45°	2689.5	2613.1	2529.1	2352.0	2011.4	1409.6	823.2	429.2	201.6	96.2	1.5
47.5°	1867.8	1832.7	1686.1	1460.0	1119.5	746.8	426.1	210.8	106.9	44.3	1.5
50°	1269.1	1229.4	1058.4	840.0	595.6	357.4	195.5	105.4	47.3	10.7	1.5
52.5°	665.9	617.0	508.6	387.9	241.3	149.7	85.5	45.8	13.7	1.5	1.5
55°	97.7	90.1	73.3	59.6	53.5	41.2	24.4	10.7	1.5	1.5	3.1
57.5°	3.1	3.1	3.1	3.1	4.6	4.6	3.1	1.5	1.5	1.5	3.1
60°	3.1	3.1	3.1	3.1	3.1	1.5	1.5	1.5	1.5	1.5	3.1
62.5°	3.1	3.1	3.1	3.1	3.1	1.5	1.5	1.5	1.5	1.5	3.1
65°	3.1	3.1	3.1	3.1	3.1	1.5	1.5	1.5	1.5	1.5	3.1
67.5°	3.1	3.1	3.1	3.1	1.5	1.5	1.5	1.5	1.5	3.1	4.6
70°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	4.6
72.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.1	4.6
75°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	4.6
77.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.1	4.6
80°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.1
82.5°	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5	4.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	3.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	3.1
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: P1318676

CATALOG NUMBER: LDSQA3D20R409830D010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	213.8	213.8	213.8	213.8	213.8
2.5°	210.8	155.8	120.7	103.9	102.3
5°	190.9	111.5	73.3	56.5	53.5
7.5°	161.9	77.9	42.8	30.5	29.0
10°	132.9	53.5	26.0	21.4	19.9
12.5°	105.4	35.1	18.3	16.8	15.3
15°	80.9	22.9	13.7	12.2	12.2
17.5°	61.1	15.3	10.7	10.7	10.7
20°	45.8	10.7	7.6	9.2	9.2
22.5°	32.1	7.6	6.1	7.6	7.6
25°	22.9	6.1	6.1	7.6	7.6
27.5°	15.3	4.6	4.6	6.1	7.6
30°	9.2	3.1	4.6	6.1	7.6
32.5°	4.6	3.1	4.6	7.6	7.6
35°	3.1	4.6	6.1	7.6	9.2
37.5°	1.5	4.6	6.1	9.2	9.2
40°	1.5	4.6	6.1	9.2	10.7
42.5°	3.1	6.1	7.6	10.7	12.2
45°	3.1	6.1	9.2	12.2	13.7
47.5°	3.1	6.1	10.7	13.7	13.7
50°	4.6	7.6	10.7	13.7	15.3
52.5°	4.6	7.6	10.7	15.3	16.8
55°	4.6	7.6	12.2	15.3	16.8
57.5°	4.6	9.2	12.2	15.3	16.8
60°	4.6	7.6	12.2	15.3	16.8
62.5°	6.1	7.6	10.7	15.3	15.3
65°	6.1	7.6	10.7	15.3	15.3
67.5°	6.1	7.6	10.7	13.7	13.7
70°	6.1	7.6	9.2	12.2	12.2
72.5°	6.1	7.6	9.2	10.7	12.2
75°	4.6	6.1	7.6	9.2	10.7
77.5°	4.6	6.1	6.1	9.2	9.2
80°	4.6	4.6	4.6	6.1	6.1
82.5°	4.6	4.6	3.1	4.6	4.6
85°	4.6	3.1	3.1	3.1	3.1
87.5°	3.1	3.1	1.5	1.5	1.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)