

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: P1318740

Luminaire Tested: LDSQA3D02R159835DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318740
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-59)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R159835DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

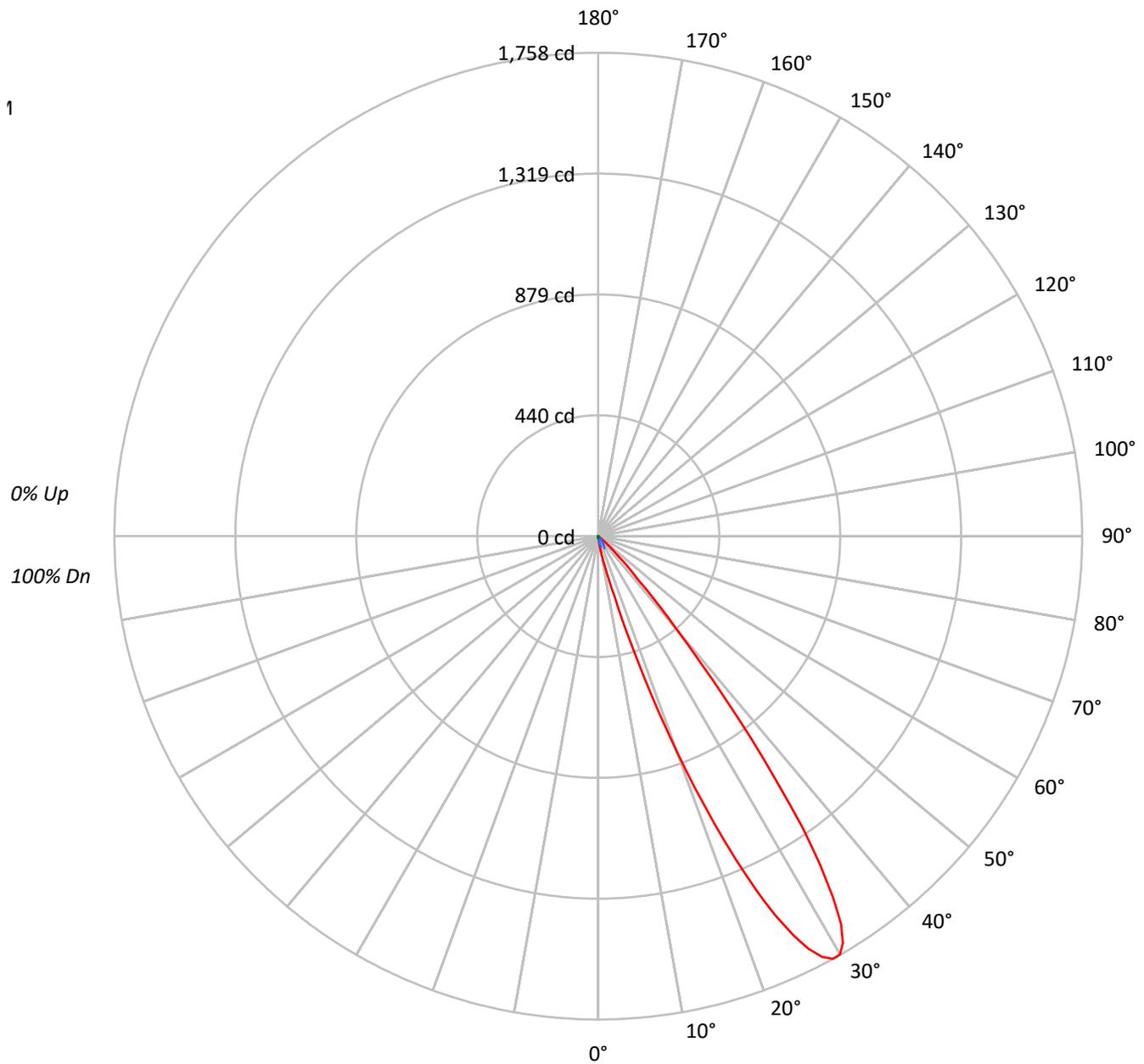
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 192.0 lumens
Efficiency: N/A
Efficacy: 53.3 lumens/watt
Spacing Criteria (0/90/45): 2.35 / 0.48 / 1.26
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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: P1318740
CATALOG NUMBER: LDSQA3D02R159835DE010 3LSQCA30R 1MW

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270°



TEST NUMBER: P1318740

CATALOG NUMBER: LDSQA3D02R159835DE010 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	98	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	75	71	79	74	70	77	73	70	77	73	70	68
5	87	77	70	65	85	76	70	65	74	69	64	72	67	64	71	66	63	71	66	63	61
6	81	71	64	59	80	70	63	58	68	62	58	67	61	57	65	61	57	65	61	57	55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	60	55	52	50
8	71	60	53	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	43	39	49	43	39	48	43	39	47	42	39	47	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1102	1102	1102	1102	1102
5°	2351	1746	1037	553	449
10°	10458	3305	822	227	157
15°	39529	7631	571	107	71
20°	152009	10740	348	37	37
25°	289069	10071	171	0	0
30°	349208	8134	80	0	0
35°	272351	5529	42	0	0
40°	99393	2720	45	0	45
45°	25525	828	49	0	97
50°	4314	107	54	54	161
55°	570	0	120	180	270
60°	69	69	207	241	379
65°	82	82	285	367	448
70°	101	101	352	352	453
75°	133	133	466	399	466
80°	0	198	595	397	595
85°	0	395	1186	395	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 25525 cd/sqm



TEST NUMBER: P1318740

CATALOG NUMBER: LDSQA3D02R159835DE010 3LSQCA30R 1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.9	0.5
10°-20°	14.7	7.7
20°-30°	81.6	42.5
30°-40°	78.8	41.1
40°-50°	13.7	7.1
50°-60°	1.0	0.5
60°-70°	0.6	0.3
70°-80°	0.5	0.3
80°-90°	0.3	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°	97.2	50.6
0°-40°	176.0	91.7
0°-60°	190.7	99.3
0°-90°	192.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	192.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6	6	6	6	6	
5°	14	10	6	3	3	3
15°	222	43	3	1	0	99
25°	1521	53	1	0	0	680
35°	1295	26	0	0	0	745
45°	105	3	0	0	0	113
55°	2	0	0	1	1	4
65°	0	0	1	1	1	0
75°	0	0	1	1	1	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P1318740

CATALOG NUMBER: LDSQA3D02R159835DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
0°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
2.5°	9.3	9.0	9.2	9.2	9.2	9.2	9.2	8.8	8.8	9.0	8.0
5°	13.6	13.6	13.4	13.6	13.6	13.4	13.1	12.9	12.9	12.5	10.1
7.5°	27.3	26.9	26.9	26.5	24.7	24.1	23.7	22.8	21.1	20.7	13.1
10°	59.8	60.0	58.6	57.0	56.8	54.0	53.0	51.4	48.2	45.0	18.9
12.5°	108.5	106.1	102.9	103.1	97.7	95.8	91.5	86.8	82.0	76.9	31.0
15°	221.7	214.8	218.9	208.8	197.4	184.5	171.5	155.0	141.0	126.1	42.8
17.5°	466.9	473.6	462.3	419.1	392.6	361.4	317.5	275.1	238.9	209.7	52.3
20°	829.4	839.3	800.7	763.1	698.7	628.5	555.3	472.3	393.0	324.2	58.6
21°	980.9	974.9	959.1	898.9	824.6	743.1	653.5	562.0	465.8	376.5	59.2
22°	1127.3	1130.1	1093.2	1030.2	952.9	862.7	753.2	640.2	536.6	419.1	58.3
23°	1273.2	1282.2	1233.2	1174.2	1076.9	975.1	848.5	726.5	598.4	467.9	56.4
24°	1408.2	1402.1	1369.0	1294.7	1190.6	1071.5	940.0	792.1	649.2	509.5	54.9
25°	1521.2	1520.5	1468.6	1396.3	1277.3	1145.3	1000.3	845.7	692.7	537.7	53.0
26°	1613.7	1598.5	1557.6	1469.5	1352.0	1212.7	1049.8	884.7	717.2	551.9	51.2
27°	1685.0	1674.2	1619.3	1527.6	1404.9	1250.8	1081.6	904.1	728.4	556.6	48.7
28°	1733.0	1721.3	1662.8	1568.3	1434.0	1274.7	1098.4	912.4	728.4	552.1	46.5
29°	1757.9	1741.8	1683.5	1582.3	1440.7	1277.5	1094.3	904.3	717.0	538.3	43.9
30°	1756.0	1736.0	1674.9	1569.6	1420.7	1254.5	1071.3	875.4	691.2	517.7	40.9
31°	1725.7	1703.3	1635.2	1526.6	1379.5	1211.2	1028.0	836.5	655.9	491.0	37.9
32°	1664.3	1635.9	1569.4	1461.3	1316.0	1146.4	965.0	776.6	603.1	452.0	34.7
33°	1564.2	1535.6	1464.3	1362.8	1230.1	1064.2	881.5	712.1	542.9	405.5	32.1
34°	1438.9	1412.7	1351.3	1249.1	1121.7	960.2	785.5	623.1	480.6	359.3	29.3
35°	1295.4	1253.8	1198.1	1117.2	993.0	830.6	681.9	540.1	416.3	311.0	26.3
36°	1101.4	1108.8	1049.8	950.8	847.9	720.5	577.9	450.3	348.1	265.0	23.7
37°	929.4	917.6	880.0	803.5	713.8	587.4	484.3	381.8	292.9	224.1	20.9
38°	749.7	752.3	715.5	656.7	567.8	483.0	389.8	313.6	245.0	190.7	18.3
39°	586.8	584.8	574.9	520.3	439.8	384.2	315.8	260.0	204.1	160.8	15.5
40°	442.1	445.4	422.3	389.4	342.5	296.8	251.6	207.3	168.8	135.6	12.1
42.5°	215.0	220.2	204.9	196.5	175.7	157.8	133.2	108.7	92.5	79.9	5.4
45°	104.8	101.8	100.5	96.4	91.5	81.8	72.5	62.2	54.3	46.9	3.4
47.5°	53.6	52.1	52.1	50.4	48.7	45.6	40.9	37.5	33.8	29.1	1.3
50°	16.1	15.9	15.7	15.9	15.3	15.9	16.2	16.4	14.9	14.8	0.4
52.5°	6.4	6.5	6.4	6.9	6.9	6.7	6.9	6.7	6.5	5.8	0.0
55°	1.9	1.9	1.9	1.9	1.9	1.9	2.1	2.2	2.1	2.2	0.0
57.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0
60°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.2
62.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
65°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2



TEST NUMBER: P1318740

CATALOG NUMBER: LDSQA3D02R159835DE010 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	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
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: P1318740

CATALOG NUMBER: LDSQA3D02R159835DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	6.4	6.4	6.4	6.4	6.4	6.4
2.5°	7.5	6.5	5.4	4.5	4.1	3.9
5°	8.0	6.0	4.1	3.2	2.8	2.6
7.5°	8.6	5.4	3.2	2.2	1.7	1.5
10°	9.0	4.7	2.4	1.3	0.9	0.9
12.5°	9.0	3.7	1.7	0.7	0.6	0.6
15°	8.8	3.2	1.1	0.6	0.4	0.4
17.5°	8.6	2.4	0.7	0.4	0.2	0.4
20°	8.0	1.9	0.4	0.2	0.2	0.2
21°	7.8	1.7	0.4	0.2	0.2	0.2
22°	7.5	1.5	0.2	0.0	0.2	0.2
23°	7.1	1.1	0.2	0.0	0.0	0.0
24°	6.5	0.9	0.2	0.0	0.0	0.0
25°	6.2	0.9	0.2	0.0	0.0	0.0
26°	5.8	0.6	0.0	0.0	0.0	0.0
27°	5.2	0.4	0.0	0.0	0.0	0.0
28°	4.9	0.4	0.0	0.0	0.0	0.0
29°	4.3	0.4	0.0	0.0	0.0	0.0
30°	3.7	0.4	0.0	0.0	0.0	0.0
31°	3.0	0.2	0.0	0.0	0.0	0.0
32°	2.4	0.2	0.0	0.0	0.0	0.0
33°	1.7	0.2	0.0	0.0	0.0	0.0
34°	1.1	0.2	0.0	0.0	0.0	0.0
35°	0.9	0.2	0.0	0.0	0.0	0.0
36°	0.6	0.2	0.0	0.0	0.0	0.2
37°	0.6	0.2	0.0	0.0	0.0	0.2
38°	0.4	0.2	0.0	0.0	0.0	0.2
39°	0.2	0.2	0.0	0.0	0.0	0.2
40°	0.2	0.2	0.0	0.0	0.0	0.2
42.5°	0.0	0.2	0.0	0.0	0.2	0.4
45°	0.0	0.2	0.0	0.0	0.2	0.4
47.5°	0.0	0.2	0.0	0.0	0.4	0.4
50°	0.0	0.2	0.2	0.2	0.4	0.6
52.5°	0.0	0.4	0.2	0.4	0.6	0.7
55°	0.2	0.4	0.4	0.6	0.7	0.9
57.5°	0.2	0.6	0.6	0.7	0.9	0.9
60°	0.4	0.6	0.7	0.7	1.1	1.1
62.5°	0.4	0.7	0.7	0.7	1.1	1.1
65°	0.4	0.7	0.7	0.9	1.1	1.1
67.5°	0.4	0.7	0.7	0.7	0.9	1.1
70°	0.4	0.7	0.6	0.7	0.9	0.9
72.5°	0.4	0.7	0.6	0.6	0.7	0.9
75°	0.4	0.7	0.6	0.6	0.7	0.7
77.5°	0.4	0.6	0.6	0.4	0.6	0.6
80°	0.4	0.6	0.4	0.4	0.6	0.6



TEST NUMBER: P1318740
CATALOG NUMBER: LDSQA3D02R159835DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.4	0.6	0.4	0.2	0.4	0.4
85°	0.4	0.6	0.4	0.2	0.2	0.2
87.5°	0.4	0.6	0.2	0.0	0.0	0.2
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)