

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: P1323604

Luminaire Tested: LDSQA3D05R309030D2WDE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323604
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-50)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R309030D2WDE010 3LSQCA30R 1MB
Description: 3in Adjustable Dim to Warm LED luminaire with, R30 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

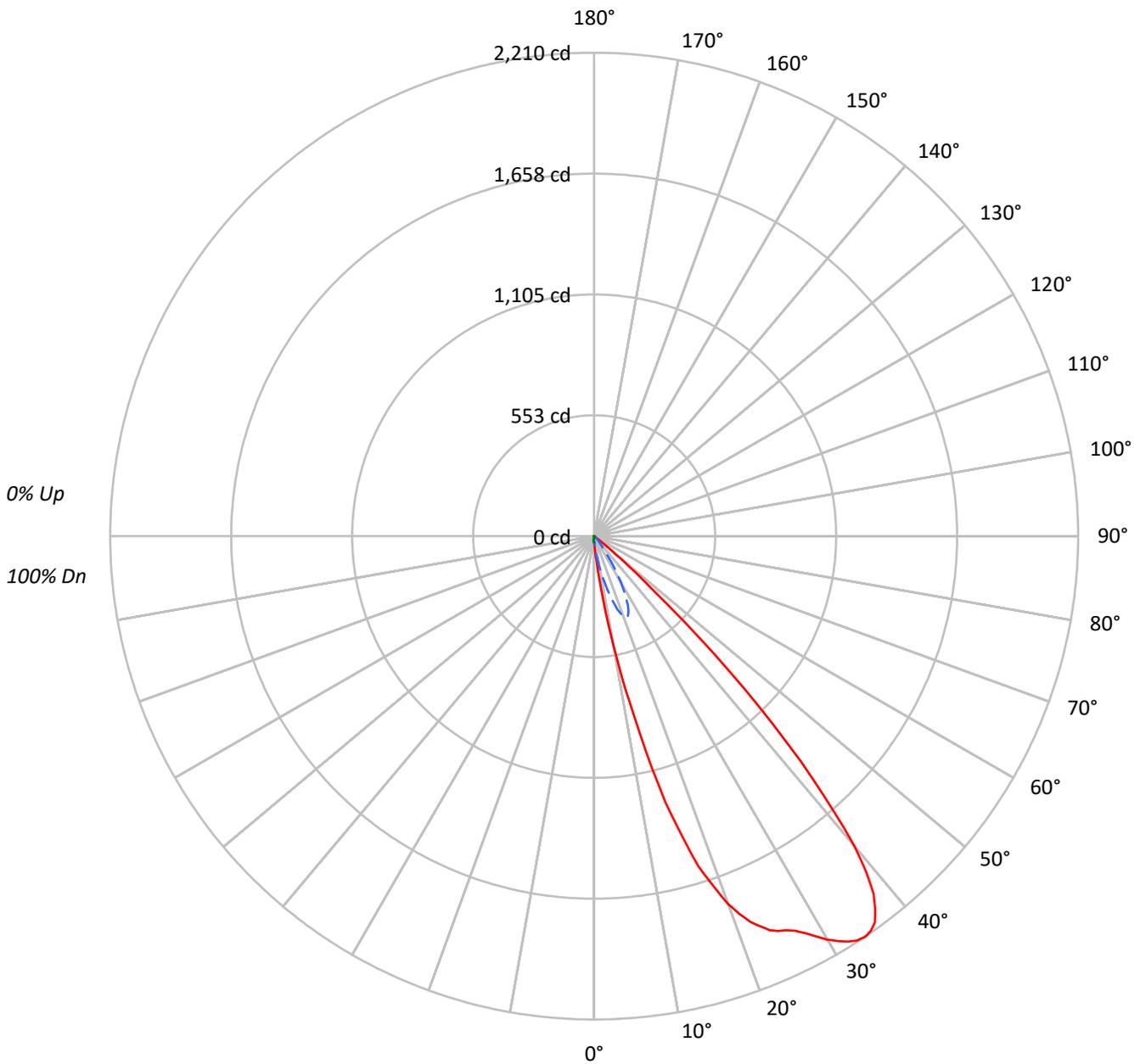
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 532.0 lumens
Efficiency: N/A
Efficacy: 47.9 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.21
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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: P1323604
CATALOG NUMBER: LDSQA3D05R309030D2WDE010 3LSQCA30R 1MB

Luminous Intensity Polar Plot



— 0°-180° - - - 45°-225° ····· 90°-270°



TEST NUMBER: P1323604

CATALOG NUMBER: LDSQA3D05R309030D2WDE010 3LSQCA30R 1MB

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	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75
4	93	84	78	73	91	83	77	72	81	75	71	78	74	70	76	73	69	68
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	61
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50
8	71	60	53	48	70	59	52	48	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	43	41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	43	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	4908	4908	4908	4908	4908
5°	17772	11047	4495	1815	1297
10°	87999	26459	3498	350	0
15°	224495	50387	2229	0	0
20°	328027	71642	916	0	0
25°	378438	70291	190	0	0
30°	423544	48245	0	0	0
35°	463212	20793	0	0	0
40°	415738	8071	0	0	0
45°	212311	3288	0	0	0
50°	32768	402	0	0	0
55°	1952	0	150	0	0
60°	0	0	172	0	0
65°	0	0	408	0	0
70°	0	252	504	0	0
75°	0	333	998	0	0
80°	0	496	1488	0	0
85°	0	988	2964	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 212311 cd/sqm



TEST NUMBER: P1323604

CATALOG NUMBER: LDSQA3D05R309030D2WDE010 3LSQCA30R 1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.9	1.1
10°-20°	70.9	13.3
20°-30°	175.2	32.9
30°-40°	201.4	37.9
40°-50°	74.7	14.0
50°-60°	2.7	0.5
60°-70°	0.3	0.0
70°-80°	0.4	0.1
80°-90°	0.4	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°	252.0	47.4
0°-40°	453.4	85.2
0°-60°	530.9	99.8
0°-90°	532.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	532.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	28	28	28	28	28	
5°	103	64	26	10	8	22
15°	1259	283	12	0	0	362
25°	1992	370	1	0	0	920
35°	2203	99	0	0	0	1336
45°	872	14	0	0	0	679
55°	6	0	0	0	0	22
65°	0	0	1	0	0	0
75°	0	0	2	0	0	0
85°	0	0	2	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P1323604

CATALOG NUMBER: LDSQA3D05R309030D2WDE010 3LSQCA30R 1MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5
2.5°	50.4	50.9	50.9	49.4	48.9	48.4	46.9	42.4	35.4	28.5	23.0
5°	102.8	103.3	103.3	100.3	94.4	88.4	83.4	63.9	40.9	26.0	17.0
7.5°	242.6	243.1	232.7	220.7	196.7	184.2	161.3	98.4	46.4	23.5	11.0
10°	503.2	492.3	464.8	429.9	392.9	345.0	296.6	151.3	50.4	20.0	7.0
12.5°	841.2	830.8	795.3	745.4	673.0	579.1	487.3	212.7	50.9	16.0	4.0
15°	1259.1	1229.7	1187.2	1104.3	997.5	852.2	700.5	282.6	48.9	12.5	1.0
17.5°	1583.1	1556.2	1502.3	1405.4	1272.6	1111.3	925.1	349.0	43.4	8.0	0.0
20°	1789.8	1761.4	1710.9	1625.6	1484.3	1295.1	1081.9	390.9	35.9	5.0	0.0
21°	1848.7	1821.3	1771.8	1687.0	1546.2	1357.5	1120.3	399.9	32.5	4.0	0.0
22°	1900.7	1879.2	1833.3	1740.9	1597.6	1403.4	1159.3	400.9	30.0	3.0	0.0
23°	1937.1	1921.6	1875.7	1790.8	1648.0	1440.8	1180.2	394.9	27.0	2.0	0.0
24°	1972.0	1953.1	1913.6	1834.8	1688.0	1472.3	1199.2	383.9	24.0	1.5	0.0
25°	1991.5	1969.6	1939.1	1865.2	1720.9	1492.3	1210.7	369.9	21.0	1.0	0.0
26°	2005.0	1988.0	1954.6	1883.2	1734.9	1505.2	1212.2	349.5	19.0	0.5	0.0
27°	2025.5	2008.5	1976.0	1899.2	1740.9	1503.3	1203.2	326.0	16.5	0.0	0.0
28°	2056.4	2034.0	2001.5	1916.1	1743.4	1494.8	1183.2	300.6	14.0	0.0	0.0
29°	2091.9	2068.9	2033.5	1938.6	1743.9	1477.8	1151.8	272.6	12.5	0.0	0.0
30°	2129.8	2109.8	2073.9	1960.6	1749.4	1455.8	1115.3	242.6	10.0	0.0	0.0
31°	2159.8	2141.8	2103.4	1980.5	1753.9	1436.9	1070.4	212.7	8.5	0.0	0.0
32°	2185.7	2169.8	2122.3	1985.0	1744.9	1409.9	1022.5	183.7	7.0	0.0	0.0
33°	2203.7	2183.7	2128.3	1973.5	1718.9	1365.5	969.1	156.3	5.5	0.0	0.0
34°	2210.2	2186.2	2119.3	1943.6	1666.5	1298.1	899.7	127.8	4.5	0.0	0.0
35°	2203.2	2173.7	2086.9	1892.2	1595.6	1217.7	816.3	98.9	3.5	0.0	0.0
36°	2180.7	2143.3	2040.4	1818.8	1494.3	1122.8	732.9	76.9	2.5	0.0	0.0
37°	2132.3	2090.9	1961.1	1721.9	1393.9	1014.0	638.0	59.9	1.5	0.0	0.0
38°	2072.9	2013.0	1855.2	1599.6	1264.1	891.7	544.2	49.4	1.0	0.0	0.0
39°	1971.6	1905.6	1729.4	1458.8	1136.8	775.3	452.8	42.9	0.5	0.0	0.0
40°	1849.2	1770.9	1585.6	1308.0	986.5	653.5	377.9	35.9	0.5	0.0	0.0
42.5°	1394.9	1328.5	1129.3	889.7	603.1	385.4	209.7	23.5	0.0	0.0	0.0
45°	871.7	802.3	667.5	487.8	326.5	199.7	100.8	13.5	0.0	0.0	0.0
47.5°	356.0	326.5	268.6	206.7	147.8	93.9	41.9	6.0	0.0	0.0	0.0
50°	122.3	108.8	91.4	66.9	47.4	32.5	22.0	1.5	0.0	0.0	0.0
52.5°	35.4	35.9	31.5	27.0	21.0	15.0	11.0	0.0	0.0	0.0	0.0
55°	6.5	5.5	6.5	6.0	6.5	5.5	4.0	0.0	0.0	0.5	0.0
57.5°	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.0	0.5	0.5	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	0.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.0	0.5
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.0	0.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.5	0.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.5	0.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.5	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.5	0.5



TEST NUMBER: P1323604

CATALOG NUMBER: LDSQA3D05R309030D2WDE010 3LSQCA30R 1MB

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	0.0	0.5	1.0	1.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.5	0.5
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: P1323604
 CATALOG NUMBER: LDSQA3D05R309030D2WDE010 3LSQCA30R 1MB

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	28.5	28.5	28.5
2.5°	18.5	16.5	15.5
5°	10.5	8.0	7.5
7.5°	5.5	3.5	3.0
10°	2.0	0.5	0.0
12.5°	0.0	0.0	0.0
15°	0.0	0.0	0.0
17.5°	0.0	0.0	0.0
20°	0.0	0.0	0.0
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	0.0
39°	0.0	0.0	0.0
40°	0.0	0.0	0.0
42.5°	0.0	0.0	0.0
45°	0.0	0.0	0.0
47.5°	0.0	0.0	0.0
50°	0.0	0.0	0.0
52.5°	0.0	0.0	0.0
55°	0.0	0.0	0.0
57.5°	0.0	0.0	0.0
60°	0.0	0.0	0.0
62.5°	0.0	0.0	0.0
65°	0.0	0.0	0.0
67.5°	0.0	0.0	0.0
70°	0.0	0.0	0.0
72.5°	0.0	0.0	0.0
75°	0.0	0.0	0.0
77.5°	0.0	0.0	0.0
80°	0.0	0.0	0.0



TEST NUMBER: P1323604
CATALOG NUMBER: LDSQA3D05R309030D2WDE010 3LSQCA30R 1MB

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)