

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: P1318539

Luminaire Tested: LDSQA3D17R459830DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318539
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-69)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R459830DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

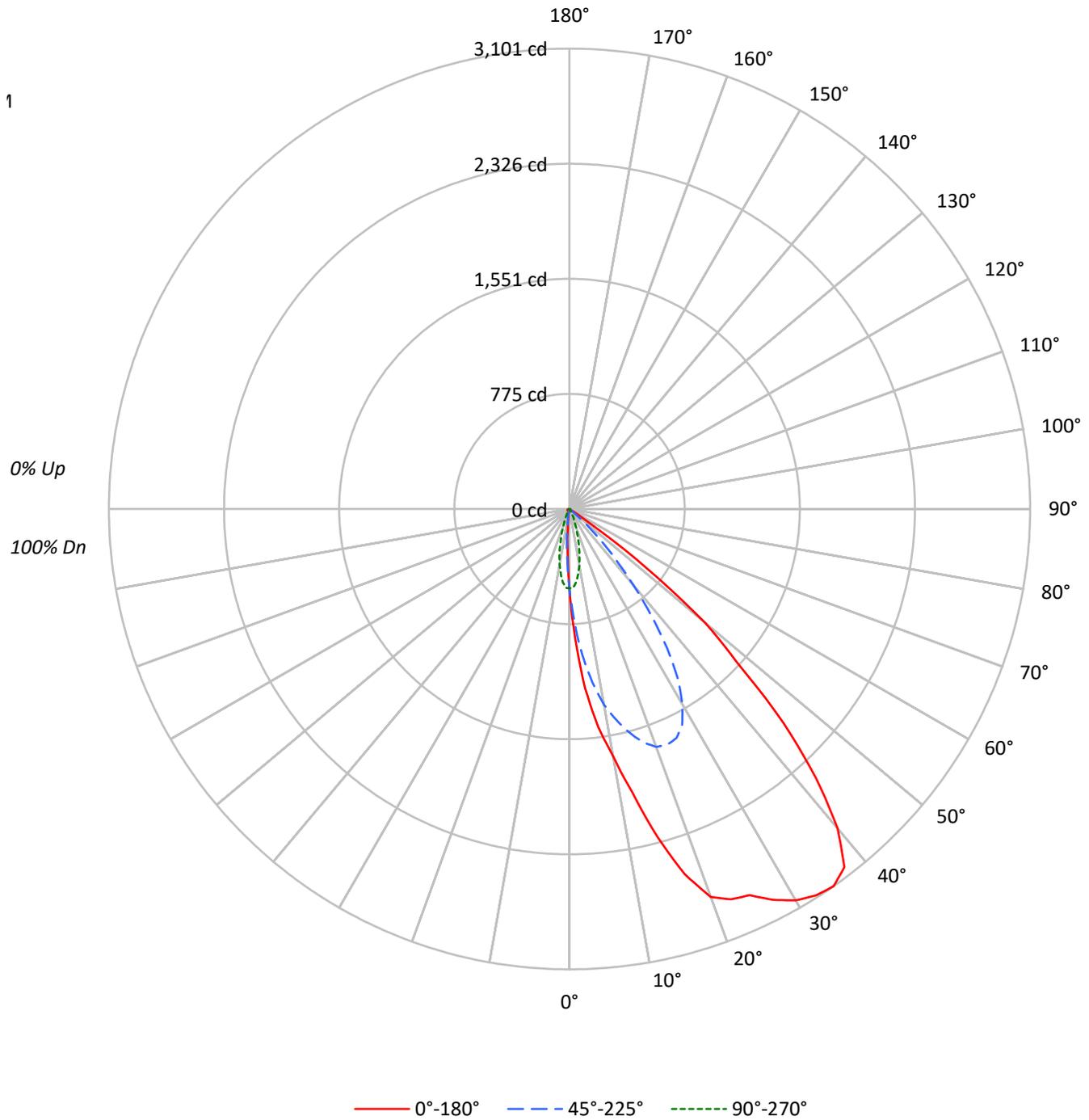
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1405.1 lumens
Efficiency: N/A
Efficacy: 68.9 lumens/watt
Spacing Criteria (0/90/45): 2.13 / 0.47 / 1.22
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 (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: P1318539
CATALOG NUMBER: LDSQA3D17R459830DE010 3LSQCA30R 1MW

Luminous Intensity Polar Plot





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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	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	93	90	95	91	88	91	88	86	89	86	84	89	86	84	82
3	99	91	85	80	96	89	84	80	87	82	78	84	80	77	82	79	76	82	79	76	74
4	92	83	76	71	90	82	76	71	80	74	70	77	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	81	70	63	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	57	52	62	56	51	61	55	51	60	55	51	60	55	51	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	55	50	46	45
9	66	55	48	43	65	54	47	43	53	47	43	52	47	43	51	46	42	51	46	42	41
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	48	43	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	92070	92070	92070	92070	92070
5°	209842	170235	86129	34542	23564
10°	295686	233849	66577	7607	3498
15°	407482	278216	42524	2514	2104
20°	509524	312466	22176	1723	1723
25°	545262	323539	10280	1349	1558
30°	605208	302136	4673	1412	1631
35°	651949	240857	1493	1493	1976
40°	630824	149258	787	1844	2383
45°	495376	70413	852	2289	2874
50°	318275	8199	1259	2840	3778
55°	48342	721	1411	3543	4594
60°	827	827	1619	4064	4857
65°	978	978	1915	4320	5746
70°	1209	1209	2367	4733	6496
75°	799	1597	3127	5456	7053
80°	1190	2380	3471	5852	8133
85°	0	2371	4742	6916	6916

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 495376 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.5	4.2
10°-20°	211.5	15.1
20°-30°	371.6	26.5
30°-40°	422.0	30.0
40°-50°	273.3	19.4
50°-60°	53.7	3.8
60°-70°	6.5	0.5
70°-80°	5.4	0.4
80°-90°	2.5	0.2
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°	641.7	45.7
0°-40°	1063.7	75.7
0°-60°	1390.7	99.0
0°-90°	1405.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1405.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	535	535	535	535	535	
5°	1214	985	498	200	136	129
15°	2285	1560	238	14	12	658
25°	2869	1703	54	7	8	1345
35°	3101	1146	7	7	9	1906
45°	2034	289	4	9	12	1533
55°	161	2	5	12	15	307
65°	2	2	5	11	14	2
75°	1	2	5	8	11	1
85°	0	1	2	4	4	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	534.6	534.6	534.6	534.6	534.6	534.6	534.6	534.6	534.6	534.6	534.6
2.5°	868.3	866.0	869.5	846.0	844.8	827.2	822.5	802.5	775.5	762.6	732.0
5°	1213.8	1202.0	1202.0	1173.8	1164.4	1144.5	1110.4	1068.1	1032.8	984.7	933.0
7.5°	1480.5	1478.2	1478.2	1453.5	1430.0	1401.8	1356.0	1307.8	1251.4	1177.4	1102.2
10°	1690.8	1694.4	1683.8	1661.5	1627.4	1596.8	1542.8	1484.0	1414.7	1337.2	1237.3
12.5°	1956.4	1930.5	1922.3	1871.8	1828.3	1769.6	1704.9	1638.0	1552.2	1454.7	1341.9
15°	2285.4	2252.5	2219.6	2152.6	2079.8	1989.3	1888.2	1789.5	1679.1	1560.4	1419.4
17.5°	2579.2	2579.2	2535.7	2429.9	2335.9	2202.0	2065.7	1934.1	1803.6	1647.4	1471.1
20°	2780.1	2769.5	2736.6	2659.1	2552.1	2400.6	2223.1	2038.6	1881.2	1704.9	1500.5
22.5°	2845.9	2843.5	2844.7	2798.9	2713.1	2555.7	2338.3	2120.9	1923.5	1719.0	1486.4
25°	2869.4	2874.1	2885.8	2868.2	2803.6	2646.1	2408.8	2159.7	1936.4	1702.6	1432.3
27.5°	2966.9	2957.5	2970.4	2958.7	2885.8	2697.8	2422.9	2150.3	1908.2	1642.7	1336.0
30°	3043.3	3040.9	3063.3	3052.7	2957.5	2730.7	2410.0	2115.0	1838.9	1519.3	1184.4
32.5°	3086.8	3087.9	3093.8	3050.3	2909.3	2659.1	2346.5	2043.3	1708.5	1358.3	987.0
35°	3100.9	3093.8	3060.9	2954.0	2761.3	2493.4	2190.2	1873.0	1531.0	1145.6	780.2
37.5°	3039.8	3003.3	2918.7	2758.9	2535.7	2285.4	1990.5	1657.9	1287.8	904.8	581.6
40°	2805.9	2757.8	2650.8	2487.5	2279.5	2037.5	1735.5	1387.7	998.8	663.9	408.9
42.5°	2455.8	2431.1	2319.5	2177.3	2001.0	1756.6	1445.3	1092.8	739.1	458.3	260.9
45°	2033.9	2002.2	1931.7	1806.0	1667.3	1411.2	1121.0	782.6	504.1	289.1	129.3
47.5°	1525.2	1527.5	1479.3	1384.2	1247.9	1034.0	767.3	525.2	316.1	149.2	29.4
50°	1187.9	1171.5	1103.3	1005.8	847.2	688.6	495.9	331.4	166.9	30.6	2.4
52.5°	658.0	668.6	632.2	600.4	518.2	411.3	292.6	168.0	35.3	3.5	2.4
55°	161.0	170.4	163.3	166.9	172.7	153.9	118.7	32.9	3.5	2.4	2.4
57.5°	3.5	3.5	3.5	3.5	5.9	8.2	8.2	2.4	2.4	2.4	2.4
60°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
62.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
65°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
67.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
70°	2.4	2.4	2.4	1.2	2.4	2.4	2.4	2.4	2.4	2.4	2.4
72.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4	2.4	2.4
75°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4	2.4	2.4
77.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4	2.4
80°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4	2.4
82.5°	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	2.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	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: P1318539

CATALOG NUMBER: LDSQA3D17R459830DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	534.6	534.6	534.6	534.6	534.6	534.6	534.6	534.6
2.5°	716.8	694.4	653.3	531.1	426.5	344.3	294.9	290.2
5°	887.1	827.2	740.3	498.2	314.9	199.8	144.5	136.3
7.5°	1022.3	937.7	803.7	444.2	215.0	102.2	56.4	47.0
10°	1133.9	1014.0	836.6	380.7	135.1	43.5	23.5	20.0
12.5°	1210.3	1065.7	842.5	310.2	77.6	21.2	15.3	14.1
15°	1259.6	1082.2	814.3	238.5	43.5	14.1	12.9	11.8
17.5°	1279.6	1068.1	760.2	172.7	23.5	10.6	10.6	10.6
20°	1270.2	1022.3	680.3	121.0	15.3	9.4	9.4	9.4
22.5°	1225.5	943.5	580.5	81.1	10.6	8.2	8.2	8.2
25°	1137.4	836.6	474.7	54.1	7.1	7.1	8.2	8.2
27.5°	1005.8	705.0	363.1	36.4	5.9	7.1	8.2	8.2
30°	840.1	558.1	260.9	23.5	5.9	7.1	7.1	8.2
32.5°	667.4	406.6	171.6	14.1	4.7	7.1	8.2	9.4
35°	484.1	277.3	109.3	7.1	5.9	7.1	8.2	9.4
37.5°	339.6	181.0	63.5	4.7	5.9	7.1	9.4	9.4
40°	220.9	101.1	23.5	3.5	5.9	8.2	9.4	10.6
42.5°	115.2	35.3	4.7	3.5	5.9	8.2	10.6	11.8
45°	29.4	4.7	1.2	3.5	7.1	9.4	11.8	11.8
47.5°	3.5	1.2	1.2	4.7	7.1	10.6	11.8	12.9
50°	1.2	2.4	2.4	4.7	7.1	10.6	12.9	14.1
52.5°	2.4	2.4	2.4	4.7	8.2	10.6	14.1	15.3
55°	2.4	2.4	2.4	4.7	8.2	11.8	14.1	15.3
57.5°	2.4	2.4	2.4	4.7	8.2	11.8	14.1	14.1
60°	2.4	2.4	2.4	4.7	8.2	11.8	14.1	14.1
62.5°	2.4	2.4	3.5	4.7	8.2	10.6	14.1	14.1
65°	2.4	3.5	3.5	4.7	8.2	10.6	12.9	14.1
67.5°	2.4	2.4	3.5	4.7	8.2	10.6	12.9	14.1
70°	2.4	2.4	3.5	4.7	7.1	9.4	11.8	12.9
72.5°	2.4	2.4	3.5	4.7	7.1	9.4	10.6	11.8
75°	2.4	2.4	3.5	4.7	5.9	8.2	10.6	10.6
77.5°	2.4	2.4	3.5	3.5	5.9	7.1	9.4	9.4
80°	2.4	2.4	3.5	3.5	4.7	5.9	7.1	8.2
82.5°	2.4	2.4	2.4	3.5	3.5	4.7	5.9	5.9
85°	2.4	2.4	2.4	2.4	2.4	3.5	3.5	3.5
87.5°	1.2	2.4	2.4	2.4	2.4	2.4	2.4	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)