

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: P1323940

Luminaire Tested: LDSQA3D13R459030D2WDE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323940
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-58)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R459030D2WDE010 3LSQCA30R 1MMS
Description: 3in Adjustable Dim to Warm LED luminaire with, R45 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

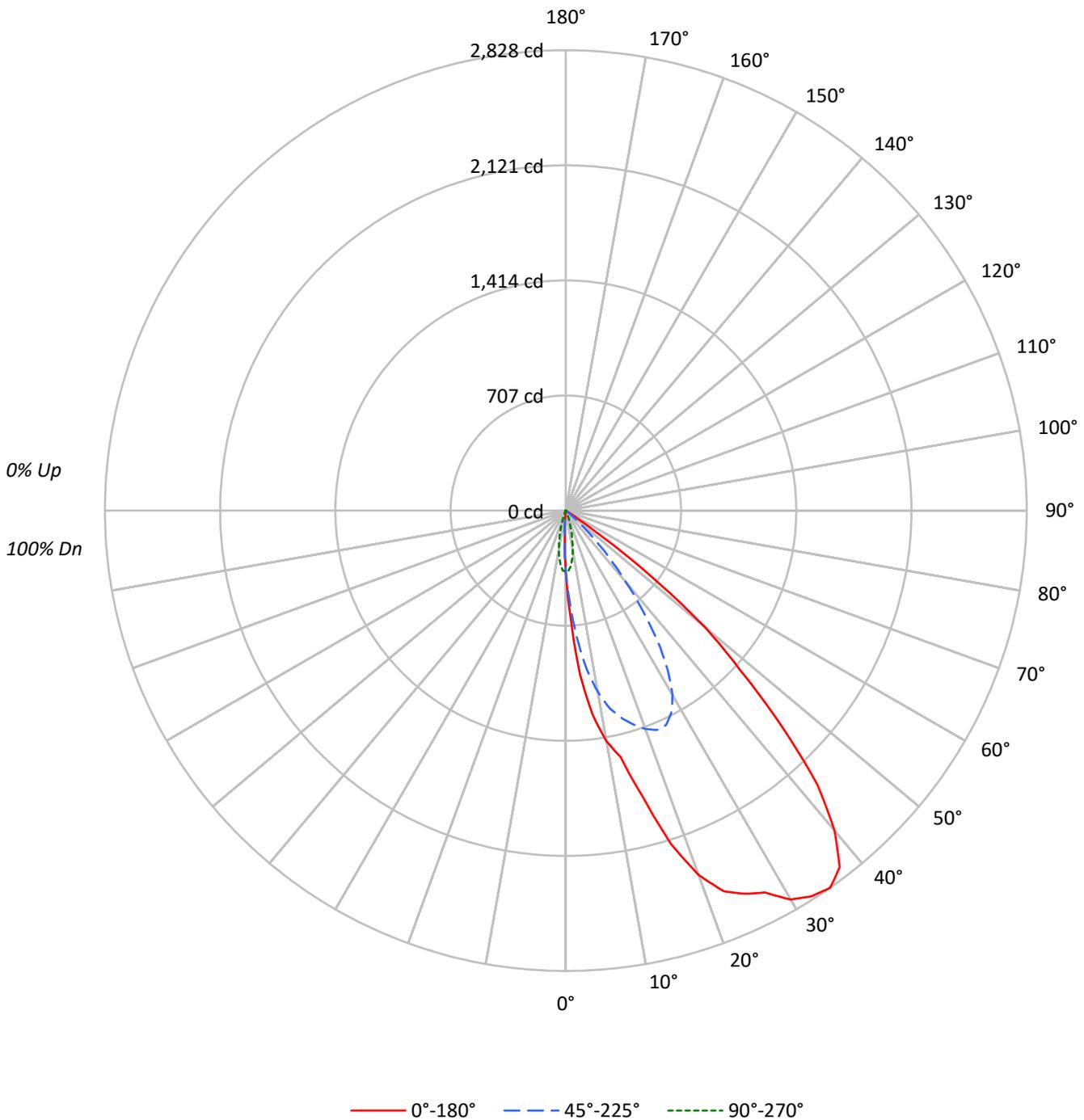
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1199.1 lumens
Efficiency: N/A
Efficacy: 59.7 lumens/watt
Spacing Criteria (0/90/45): 2.27 / 0.42 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.1
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

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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	76	72	68	67
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	59	56	54
7	75	64	57	52	74	63	56	51	62	56	51	61	55	51	59	54	51	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	64136	64136	64136	64136	64136
5°	175076	134708	59350	11911	4460
10°	251459	197614	42915	1137	944
15°	323718	235068	22840	392	0
20°	436306	261552	8687	0	0
25°	493499	276299	2242	0	0
30°	548551	260474	219	0	0
35°	594636	207722	0	0	0
40°	576350	130418	0	0	0
45°	456893	62132	0	0	0
50°	299038	7797	0	0	0
55°	51375	0	0	0	0
60°	0	0	379	0	0
65°	0	448	448	0	0
70°	0	554	1108	0	0
75°	0	732	1464	0	0
80°	0	1091	2182	1091	0
85°	0	2174	4347	2174	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 456893 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.3	3.7
10°-20°	170.8	14.2
20°-30°	319.7	26.7
30°-40°	373.2	31.1
40°-50°	243.4	20.3
50°-60°	45.2	3.8
60°-70°	0.4	0.0
70°-80°	0.9	0.1
80°-90°	1.0	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°	534.9	44.6
0°-40°	908.1	75.7
0°-60°	1196.7	99.8
0°-90°	1199.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1199.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	372	372	372	372	372	
5°	1013	779	343	69	26	108
15°	1816	1318	128	2	0	541
25°	2597	1454	12	0	0	1201
35°	2828	988	0	0	0	1735
45°	1876	255	0	0	0	1426
55°	171	0	0	0	0	297
65°	0	1	1	0	0	0
75°	0	1	2	0	0	0
85°	0	1	2	1	0	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°	372.4	372.4	372.4	372.4	372.4	372.4	372.4	372.4	372.4	372.4	372.4
2.5°	656.5	661.9	651.1	646.8	632.8	636.1	612.4	602.7	587.6	562.9	551.0
5°	1012.7	1003.1	994.4	976.1	965.4	936.3	904.0	867.4	823.3	779.2	728.6
7.5°	1266.7	1259.2	1256.0	1240.9	1219.4	1189.2	1147.3	1101.0	1043.9	984.8	908.3
10°	1437.9	1430.3	1417.4	1402.3	1385.1	1360.4	1319.5	1268.9	1206.5	1130.0	1040.7
12.5°	1549.8	1548.7	1527.2	1510.0	1488.4	1466.9	1424.9	1384.0	1322.7	1244.1	1143.0
15°	1815.6	1798.4	1770.4	1722.0	1661.7	1605.7	1537.9	1473.4	1406.6	1318.4	1205.4
17.5°	2147.1	2127.7	2080.4	2019.0	1922.2	1815.6	1699.4	1597.1	1497.0	1377.6	1244.1
20°	2380.6	2373.1	2333.3	2262.2	2158.9	2017.9	1865.1	1720.9	1579.9	1427.1	1262.4
22.5°	2530.2	2525.9	2509.8	2461.4	2355.9	2197.7	2000.7	1807.0	1637.0	1458.3	1257.0
25°	2597.0	2602.3	2604.5	2580.8	2495.8	2334.4	2100.8	1872.7	1669.2	1454.0	1216.1
27.5°	2644.3	2644.3	2652.9	2642.2	2556.1	2386.0	2139.6	1895.3	1658.5	1401.3	1130.0
30°	2758.4	2756.2	2761.6	2732.6	2613.1	2402.2	2122.3	1858.7	1597.1	1309.8	1006.3
32.5°	2807.9	2810.1	2809.0	2762.7	2623.9	2391.4	2080.4	1788.7	1484.1	1166.6	842.7
35°	2828.3	2818.7	2778.8	2673.4	2497.9	2248.3	1962.0	1670.3	1325.9	988.0	665.1
37.5°	2760.5	2732.6	2644.3	2500.1	2285.9	2045.9	1766.1	1458.3	1116.1	774.9	500.4
40°	2563.6	2527.0	2416.1	2241.8	2045.9	1829.6	1534.7	1209.7	872.8	580.1	350.9
42.5°	2284.8	2242.9	2123.4	1971.7	1793.0	1565.9	1272.1	947.1	639.3	400.4	222.8
45°	1875.9	1852.2	1783.3	1655.3	1479.8	1244.1	975.1	690.9	442.3	255.1	114.1
47.5°	1450.8	1420.6	1371.1	1282.9	1136.5	912.6	682.3	469.2	284.1	125.9	23.7
50°	1116.1	1080.5	1020.3	922.3	769.5	609.1	442.3	292.7	144.2	29.1	1.1
52.5°	642.5	650.0	621.0	558.6	473.5	364.8	256.1	147.4	32.3	1.1	0.0
55°	171.1	185.1	180.8	194.8	171.1	144.2	106.5	28.0	2.2	0.0	0.0
57.5°	0.0	0.0	1.1	2.2	6.5	9.7	3.2	1.1	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	372.4	372.4	372.4	372.4	372.4	372.4	372.4	372.4
2.5°	524.1	501.5	473.5	370.2	278.7	200.2	156.1	144.2
5°	680.2	625.3	554.3	343.3	172.2	68.9	31.2	25.8
7.5°	827.6	746.9	618.8	300.3	87.2	17.2	8.6	7.5
10°	941.7	833.0	666.2	245.4	32.3	6.5	5.4	5.4
12.5°	1020.3	887.9	683.4	186.2	11.8	3.2	3.2	2.2
15°	1065.5	909.4	667.3	128.1	4.3	2.2	0.0	0.0
17.5°	1079.5	900.8	624.2	80.7	1.1	0.0	0.0	0.0
20°	1067.6	858.8	556.4	47.4	0.0	0.0	0.0	0.0
22.5°	1028.9	793.2	474.6	25.8	0.0	0.0	0.0	0.0
25°	956.8	700.6	378.8	11.8	0.0	0.0	0.0	0.0
27.5°	839.5	581.2	285.2	4.3	0.0	0.0	0.0	0.0
30°	706.0	453.1	202.3	1.1	0.0	0.0	0.0	0.0
32.5°	551.0	333.6	130.2	0.0	0.0	0.0	0.0	0.0
35°	414.4	233.5	77.5	0.0	0.0	0.0	0.0	0.0
37.5°	288.4	147.4	40.9	0.0	0.0	0.0	0.0	0.0
40°	179.7	79.6	14.0	0.0	0.0	0.0	0.0	0.0
42.5°	100.1	28.0	1.1	0.0	0.0	0.0	0.0	0.0
45°	23.7	2.2	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0
60°	0.0	1.1	1.1	1.1	0.0	0.0	0.0	0.0
62.5°	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0
65°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0
67.5°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0
70°	1.1	1.1	1.1	2.2	1.1	0.0	0.0	0.0
72.5°	1.1	1.1	2.2	2.2	1.1	0.0	0.0	0.0
75°	1.1	1.1	2.2	2.2	1.1	0.0	0.0	0.0
77.5°	1.1	2.2	2.2	2.2	1.1	1.1	0.0	0.0
80°	1.1	2.2	2.2	2.2	2.2	1.1	0.0	0.0
82.5°	1.1	2.2	2.2	2.2	2.2	1.1	0.0	0.0
85°	1.1	2.2	2.2	2.2	1.1	1.1	0.0	0.0
87.5°	1.1	2.2	2.2	2.2	2.2	1.1	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)