

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: P1323950

Luminaire Tested: LDSQA3D13R509030D2WDE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323950
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-65)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R509030D2WDE010 3LSQCA30R 1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R50 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

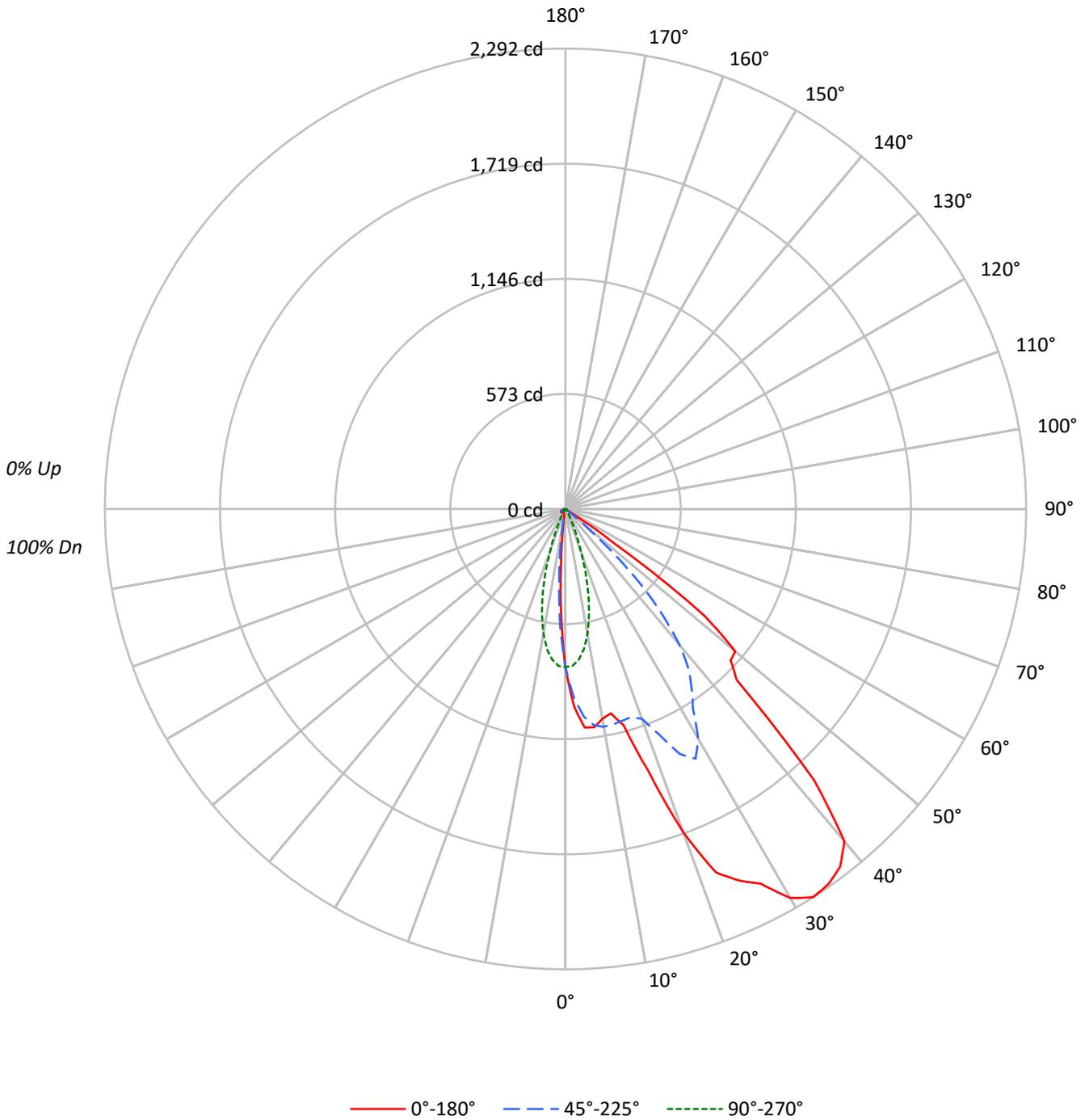
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1223.0 lumens
Efficiency: N/A
Efficacy: 60.8 lumens/watt
Spacing Criteria (0/90/45): 1.8 / 0.54 / 1.2
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	103	110	107	104	101	102	100	98	99	97	95	95	94	92	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	73
4	91	82	75	70	89	81	74	69	78	73	68	76	71	68	74	70	67	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58
6	79	68	61	56	78	68	61	55	66	60	55	64	59	55	63	58	54	53
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47
8	69	58	50	45	68	57	50	45	56	50	45	55	49	45	54	49	45	43
9	65	53	46	41	64	53	46	41	52	46	41	51	45	41	50	45	41	39
10	61	50	42	38	60	49	42	38	48	42	38	47	42	37	46	41	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	135419	135419	135419	135419	135419
5°	188820	179139	130162	62565	40592
10°	185355	192507	109999	13186	5649
15°	198767	194541	77774	4618	4422
20°	313878	203729	41054	3940	4142
25°	387863	255852	16380	3687	4086
30°	444683	262403	6642	3639	4276
35°	479401	230302	2943	3847	4752
40°	485275	198314	2181	4362	5328
45°	293294	128551	2095	4725	6040
50°	295528	22211	2304	5493	6939
55°	87316	1291	2582	6155	7777
60°	1481	1481	2583	6682	8542
65°	1304	1304	2649	7009	9210
70°	1611	1611	2719	7604	10323
75°	1464	1464	2861	7852	10780
80°	1091	2182	3174	7438	11703
85°	2174	4347	4347	8497	10671

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 335016 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.6	5.2
10°-20°	157.9	12.9
20°-30°	295.8	24.2
30°-40°	353.6	28.9
40°-50°	253.4	20.7
50°-60°	78.1	6.4
60°-70°	10.2	0.8
70°-80°	7.4	0.6
80°-90°	3.0	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°	517.2	42.3
0°-40°	870.8	71.2
0°-60°	1202.4	98.3
0°-90°	1223.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1223.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	786	786	786	786	786	
5°	1092	1036	753	362	235	101
15°	1115	1091	436	26	25	357
25°	2041	1346	86	19	22	940
35°	2280	1095	14	18	23	1415
45°	1204	528	9	19	25	1106
55°	291	4	9	20	26	374
65°	3	3	6	17	23	4
75°	2	2	4	12	16	2
85°	1	2	2	4	5	1
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°	786.3	786.3	786.3	786.3	786.3	786.3	786.3	786.3	786.3	786.3	786.3
2.5°	983.4	985.5	988.8	980.2	974.8	970.5	962.9	960.8	942.5	934.9	927.4
5°	1092.2	1090.0	1092.2	1089.0	1086.8	1080.3	1073.9	1063.1	1051.3	1036.2	1018.9
7.5°	1095.4	1093.3	1097.6	1097.6	1101.9	1101.9	1101.9	1103.0	1096.5	1085.7	1070.6
10°	1059.9	1059.9	1064.2	1062.0	1069.6	1072.8	1080.3	1093.3	1099.7	1100.8	1096.5
12.5°	1041.6	1041.6	1042.6	1038.3	1040.5	1043.7	1052.3	1067.4	1082.5	1097.6	1106.2
15°	1114.8	1117.0	1101.9	1080.3	1064.2	1046.9	1041.6	1051.3	1067.4	1091.1	1110.5
17.5°	1363.6	1366.8	1350.7	1299.0	1249.4	1178.4	1114.8	1083.6	1066.3	1085.7	1111.6
20°	1712.6	1700.7	1672.7	1617.8	1545.6	1435.8	1336.7	1236.5	1140.7	1111.6	1120.2
22.5°	1959.2	1954.9	1932.3	1870.9	1808.5	1706.1	1580.1	1440.1	1301.1	1212.8	1166.5
25°	2041.1	2037.9	2017.4	1980.8	1946.3	1868.8	1755.7	1614.6	1469.2	1346.4	1230.1
27.5°	2102.5	2098.2	2065.9	2025.0	1989.4	1910.8	1807.4	1700.7	1567.2	1401.3	1222.5
30°	2236.1	2224.2	2179.0	2105.7	2037.9	1929.1	1814.9	1682.4	1501.5	1319.5	1145.0
32.5°	2292.1	2285.6	2246.8	2187.6	2113.3	1971.1	1797.7	1575.8	1337.8	1180.5	1053.4
35°	2280.2	2270.5	2230.7	2162.8	2072.3	1935.6	1704.0	1399.2	1205.3	1095.4	952.2
37.5°	2244.7	2230.7	2183.3	2103.6	1993.7	1814.9	1512.3	1255.9	1131.0	1007.1	814.3
40°	2158.5	2135.9	2081.0	1998.0	1888.2	1653.4	1337.8	1169.7	1053.4	882.1	660.3
42.5°	1828.9	1817.1	1844.0	1830.0	1733.1	1456.2	1213.9	1091.1	930.6	713.0	478.2
45°	1204.2	1224.7	1273.1	1356.1	1375.5	1252.7	1112.6	961.9	765.8	527.8	275.7
47.5°	1114.8	1110.5	1122.3	1138.5	1141.7	1090.0	962.9	794.9	568.7	301.6	76.5
50°	1103.0	1096.5	1086.8	1067.4	1026.5	926.3	782.0	579.5	328.5	82.9	5.4
52.5°	871.4	864.9	864.9	836.9	784.1	687.2	539.6	318.8	91.6	5.4	4.3
55°	290.8	310.2	307.0	305.9	329.6	303.7	232.7	81.9	7.5	4.3	4.3
57.5°	5.4	5.4	5.4	9.7	15.1	21.5	12.9	6.5	4.3	4.3	4.3
60°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
62.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
65°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	4.3
67.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
70°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
72.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.2	3.2	3.2
75°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.2
77.5°	1.1	1.1	1.1	1.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2
80°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2	2.2	2.2
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2	2.2
85°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	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°	786.3	786.3	786.3	786.3	786.3	786.3	786.3	786.3
2.5°	910.2	895.1	866.0	783.1	691.5	587.0	515.9	507.3
5°	992.0	969.4	922.0	752.9	543.9	361.9	269.3	234.8
7.5°	1045.9	1015.7	957.5	703.3	396.4	190.6	102.3	81.9
10°	1078.2	1050.2	975.9	629.0	252.0	75.4	34.5	32.3
12.5°	1095.4	1068.5	982.3	539.6	142.2	34.5	26.9	26.9
15°	1107.3	1078.2	972.6	436.2	71.1	25.9	24.8	24.8
17.5°	1112.6	1077.1	944.6	328.5	37.7	23.7	23.7	23.7
20°	1115.9	1065.3	892.9	224.0	25.9	21.5	22.6	22.6
22.5°	1119.1	1036.2	825.1	142.2	20.5	20.5	21.5	21.5
25°	1112.6	985.5	729.2	86.2	18.3	19.4	20.5	21.5
27.5°	1066.3	909.1	612.9	52.8	16.2	18.3	20.5	21.5
30°	986.6	797.1	478.2	33.4	15.1	18.3	20.5	21.5
32.5°	883.2	668.9	341.4	20.5	15.1	18.3	20.5	21.5
35°	744.3	511.6	221.9	14.0	15.1	18.3	21.5	22.6
37.5°	588.1	357.6	119.6	10.8	15.1	18.3	21.5	22.6
40°	423.3	214.3	43.1	9.7	14.0	19.4	22.6	23.7
42.5°	247.7	79.7	7.5	8.6	14.0	19.4	22.6	23.7
45°	71.1	8.6	4.3	8.6	14.0	19.4	23.7	24.8
47.5°	5.4	3.2	4.3	8.6	14.0	19.4	23.7	25.9
50°	3.2	3.2	3.2	8.6	14.0	20.5	24.8	25.9
52.5°	4.3	4.3	4.3	8.6	14.0	20.5	24.8	25.9
55°	4.3	4.3	4.3	8.6	14.0	20.5	24.8	25.9
57.5°	4.3	4.3	4.3	8.6	14.0	19.4	24.8	25.9
60°	4.3	4.3	4.3	7.5	12.9	19.4	23.7	24.8
62.5°	4.3	4.3	4.3	7.5	12.9	18.3	23.7	23.7
65°	4.3	4.3	4.3	6.5	11.8	17.2	21.5	22.6
67.5°	4.3	4.3	4.3	6.5	10.8	16.2	20.5	21.5
70°	3.2	4.3	4.3	5.4	9.7	15.1	19.4	20.5
72.5°	3.2	3.2	4.3	5.4	8.6	12.9	17.2	18.3
75°	3.2	3.2	3.2	4.3	7.5	11.8	15.1	16.2
77.5°	3.2	3.2	3.2	4.3	6.5	9.7	14.0	14.0
80°	2.2	3.2	3.2	3.2	5.4	7.5	10.8	11.8
82.5°	2.2	2.2	2.2	3.2	4.3	6.5	8.6	8.6
85°	2.2	2.2	2.2	2.2	3.2	4.3	5.4	5.4
87.5°	1.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)