

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: P1324673

Luminaire Tested: LDSQA3D05R30W2N902750DE010 3LSQCA30R 1MMS_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324673
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: LDSQA3D05R30W2N902750DE010 3LSQCA30R 1MMS_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 2700K CCT AND, 90CRI ,
3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

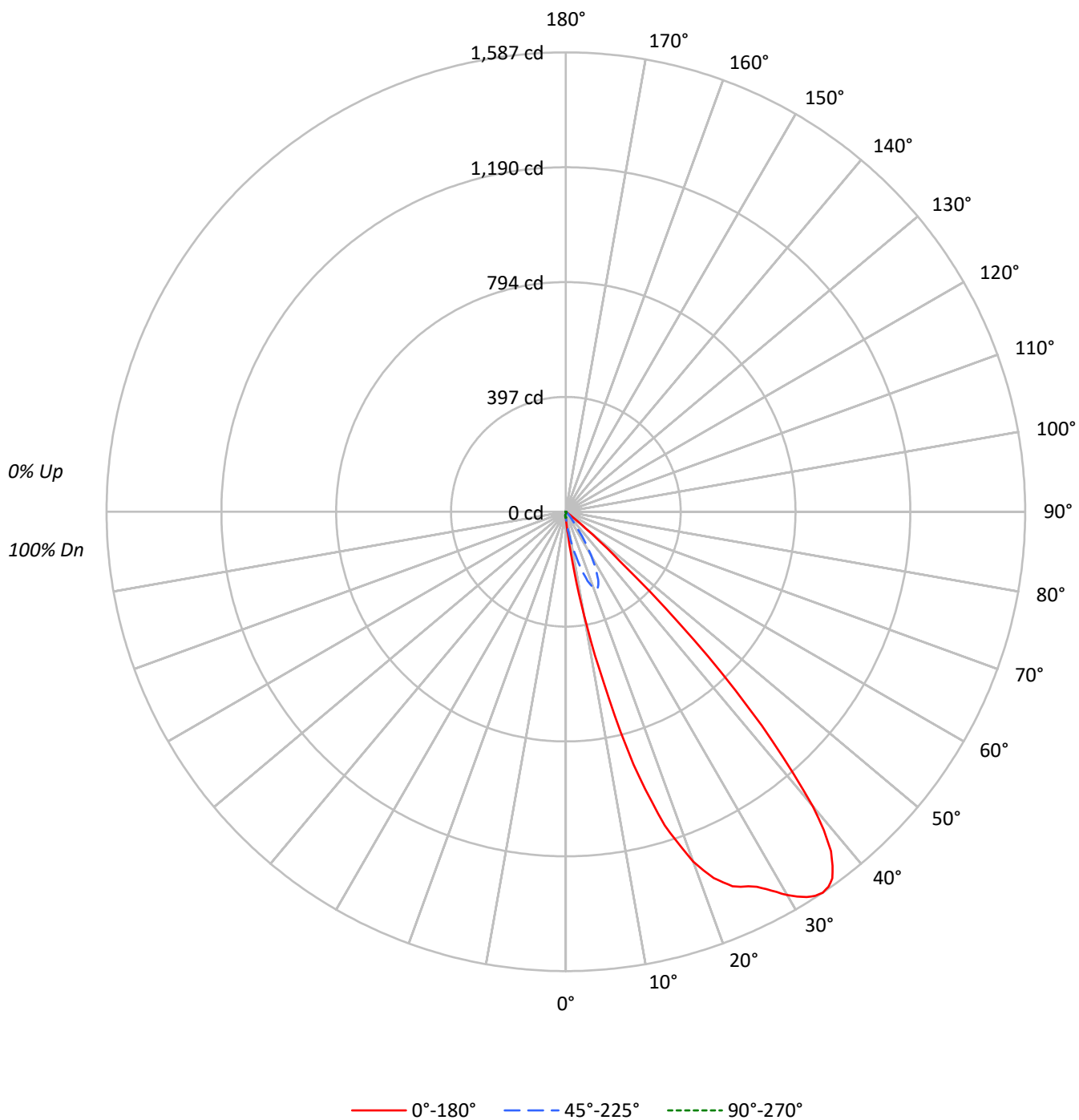
Lumens per Lamp: N/A
Luminaire Lumens: 382.0 lumens
Efficiency: N/A
Efficacy: 64.8 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 5.9
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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30
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°	3513	3513	3513	3513	3513
5°	12759	7935	3216	1297	934
10°	63201	18992	2501	245	0
15°	161199	36177	1605	0	0
20°	235546	51445	660	0	0
25°	271738	50471	133	0	0
30°	304125	34642	0	0	0
35°	332608	14927	0	0	0
40°	298517	5800	0	0	0
45°	152444	2363	0	0	0
50°	23524	295	0	0	0
55°	1411	0	120	0	0
60°	0	0	138	0	0
65°	0	0	285	0	0
70°	0	201	352	0	0
75°	0	266	732	0	0
80°	0	397	1091	0	0
85°	0	790	2174	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 152444 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.3	1.1
10°-20°	50.9	13.3
20°-30°	125.8	32.9
30°-40°	144.6	37.9
40°-50°	53.7	14.0
50°-60°	2.0	0.5
60°-70°	0.2	0.1
70°-80°	0.3	0.1
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°	180.9	47.4
0°-40°	325.6	85.2
0°-60°	381.2	99.8
0°-90°	382.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	382.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	20	20	20	20	20	
5°	74	46	19	8	5	16
15°	904	203	9	0	0	260
25°	1430	266	1	0	0	661
35°	1582	71	0	0	0	959
45°	626	10	0	0	0	487
55°	5	0	0	0	0	16
65°	0	0	1	0	0	0
75°	0	0	1	0	0	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4
2.5°	36.2	36.6	36.6	35.5	35.1	34.8	33.7	30.5	25.5	20.4	16.5
5°	73.8	74.2	74.2	72.1	67.8	63.5	59.9	45.9	29.4	18.6	12.2
7.5°	174.2	174.6	167.1	158.5	141.2	132.3	115.8	70.6	33.3	16.8	7.9
10°	361.4	353.5	333.8	308.7	282.1	247.7	212.9	108.6	36.2	14.3	5.0
12.5°	604.0	596.5	571.1	535.2	483.2	415.8	349.9	152.7	36.6	11.5	2.9
15°	904.1	883.0	852.5	793.0	716.3	611.9	503.0	202.9	35.1	9.0	0.7
17.5°	1136.8	1117.4	1078.7	1009.1	913.8	798.0	664.3	250.6	31.2	5.7	0.0
20°	1285.2	1264.7	1228.5	1167.2	1065.8	929.9	776.8	280.7	25.8	3.6	0.0
21°	1327.5	1307.8	1272.3	1211.3	1110.2	974.7	804.4	287.1	23.3	2.9	0.0
22°	1364.8	1349.3	1316.4	1250.0	1147.2	1007.7	832.4	287.9	21.5	2.2	0.0
23°	1390.9	1379.8	1346.8	1285.9	1183.4	1034.6	847.5	283.6	19.4	1.4	0.0
24°	1416.0	1402.4	1374.1	1317.4	1212.0	1057.2	861.1	275.7	17.2	1.1	0.0
25°	1430.0	1414.2	1392.4	1339.3	1235.7	1071.5	869.3	265.6	15.1	0.7	0.0
26°	1439.7	1427.5	1403.5	1352.2	1245.7	1080.8	870.4	250.9	13.6	0.4	0.0
27°	1454.4	1442.2	1418.9	1363.7	1250.0	1079.4	864.0	234.1	11.8	0.0	0.0
28°	1476.6	1460.5	1437.2	1375.9	1251.8	1073.3	849.6	215.8	10.0	0.0	0.0
29°	1502.1	1485.6	1460.1	1392.0	1252.2	1061.1	827.0	195.7	9.0	0.0	0.0
30°	1529.3	1515.0	1489.2	1407.8	1256.1	1045.3	800.9	174.2	7.2	0.0	0.0
31°	1550.8	1537.9	1510.3	1422.1	1259.4	1031.7	768.6	152.7	6.1	0.0	0.0
32°	1569.5	1558.0	1523.9	1425.3	1252.9	1012.4	734.2	131.9	5.0	0.0	0.0
33°	1582.4	1568.0	1528.2	1417.1	1234.3	980.5	695.8	112.2	3.9	0.0	0.0
34°	1587.0	1569.8	1521.8	1395.6	1196.6	932.1	646.0	91.8	3.2	0.0	0.0
35°	1582.0	1560.8	1498.5	1358.7	1145.7	874.3	586.1	71.0	2.5	0.0	0.0
36°	1565.9	1539.0	1465.1	1306.0	1072.9	806.2	526.3	55.2	1.8	0.0	0.0
37°	1531.1	1501.3	1408.1	1236.4	1000.9	728.1	458.1	43.0	1.1	0.0	0.0
38°	1488.4	1445.4	1332.1	1148.6	907.7	640.3	390.7	35.5	0.7	0.0	0.0
39°	1415.7	1368.3	1241.8	1047.5	816.3	556.7	325.1	30.8	0.4	0.0	0.0
40°	1327.8	1271.6	1138.6	939.2	708.4	469.3	271.4	25.8	0.4	0.0	0.0
42.5°	1001.6	953.9	810.9	638.8	433.1	276.8	150.6	16.8	0.0	0.0	0.0
45°	625.9	576.1	479.3	350.2	234.4	143.4	72.4	9.7	0.0	0.0	0.0
47.5°	255.6	234.4	192.9	148.4	106.1	67.4	30.1	4.3	0.0	0.0	0.0
50°	87.8	78.1	65.6	48.0	34.1	23.3	15.8	1.1	0.0	0.0	0.0
52.5°	25.5	25.8	22.6	19.4	15.1	10.8	7.9	0.0	0.0	0.0	0.0
55°	4.7	3.9	4.7	4.3	4.7	3.9	2.9	0.0	0.0	0.4	0.0
57.5°	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.0	0.4	0.4	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	0.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	0.7	0.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	0.7	0.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	1.1	0.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	1.1	0.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	1.1	0.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	1.1	0.4



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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	0.4	0.7	1.1	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	1.1	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	1.1	0.4
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):

	135°	157.5°	180°
0°	20.4	20.4	20.4
2.5°	13.3	11.8	11.1
5°	7.5	5.7	5.4
7.5°	3.9	2.5	2.2
10°	1.4	0.4	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

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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)