

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: P1324860

Luminaire Tested: LDSQA3D05R35W2N902750DE010 3LSQCA30R 1MMS_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324860
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R35W2N902750DE010 3LSQCA30R 1MMS_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 2700K CCT AND, 90CRI ,
3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

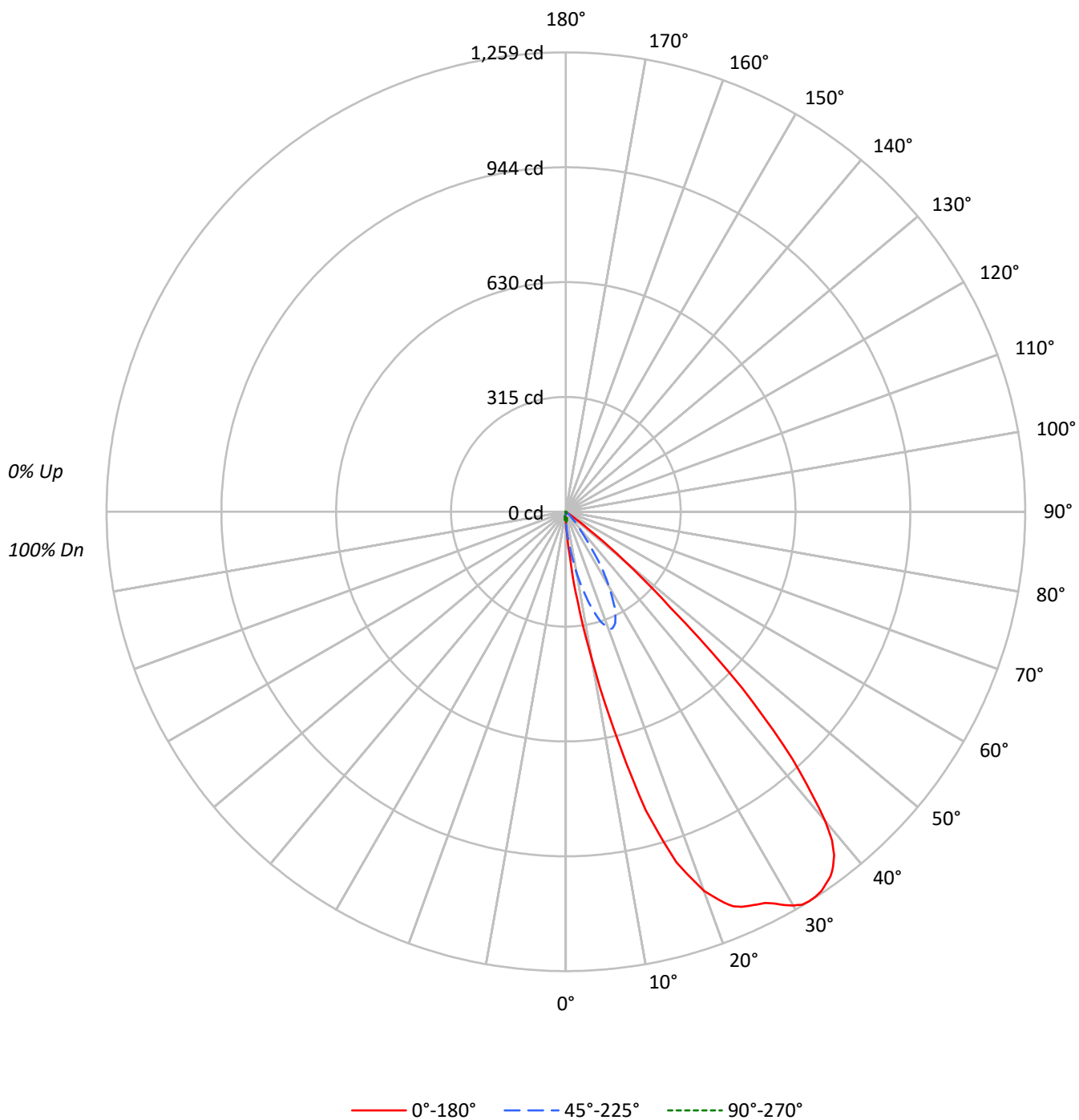
Lumens per Lamp: N/A
Luminaire Lumens: 376.0 lumens
Efficiency: N/A
Efficacy: 63.7 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.46 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91	
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83	
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75	
4	93	84	77	72	91	82	76	72	80	75	71	78	73	70	76	72	69	67	
5	86	76	70	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61	
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55	
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49	
8	71	59	52	47	69	59	52	47	57	51	47	56	51	46	55	50	46	45	
9	66	54	47	43	65	54	47	43	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°	4874	4874	4874	4874	4874
5°	21212	13139	4529	1608	1124
10°	71386	29677	3393	385	122
15°	151072	48675	2104	0	0
20°	202556	62185	990	0	0
25°	226379	61075	209	0	0
30°	247806	46793	0	0	0
35°	261545	25482	0	0	0
40°	248629	11443	0	0	0
45°	166863	5066	0	0	0
50°	55730	482	0	0	0
55°	3003	0	0	0	0
60°	0	0	138	0	0
65°	0	0	285	0	0
70°	0	201	352	0	0
75°	0	266	466	0	0
80°	0	397	694	0	0
85°	0	790	1383	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 166863 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.1	1.6
10°-20°	52.2	13.9
20°-30°	114.5	30.4
30°-40°	132.4	35.2
40°-50°	65.4	17.4
50°-60°	4.8	1.3
60°-70°	0.2	0.0
70°-80°	0.3	0.1
80°-90°	0.2	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°	172.7	45.9
0°-40°	305.1	81.1
0°-60°	375.3	99.8
0°-90°	376.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	376.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	28	28	28	28	28	
5°	123	76	26	9	6	21
15°	847	273	12	0	0	239
25°	1191	321	1	0	0	551
35°	1244	121	0	0	0	768
45°	685	21	0	0	0	503
55°	10	0	0	0	0	41
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°	35°	45°	67.5°	90°
0°	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
2.5°	56.3	57.8	57.0	57.0	56.7	54.9	51.7	50.6	46.6	36.9	28.7
5°	122.7	123.0	122.0	116.6	111.9	107.6	98.3	94.0	76.0	45.2	26.2
7.5°	248.9	243.6	236.7	229.2	212.7	197.6	177.9	157.1	117.7	52.4	23.3
10°	408.2	400.7	394.9	377.0	347.2	316.4	278.7	244.6	169.7	57.4	19.4
12.5°	613.7	609.4	589.0	553.1	509.0	464.5	398.9	344.7	222.0	58.5	15.8
15°	847.3	840.1	808.9	757.9	698.0	628.1	540.2	449.1	273.0	55.2	11.8
17.5°	1006.9	1002.9	976.0	922.6	853.7	764.8	660.7	547.0	314.9	48.4	8.3
20°	1105.2	1099.4	1074.3	1029.1	957.0	864.1	740.7	609.4	339.3	39.8	5.4
21°	1130.6	1124.9	1104.8	1057.8	988.9	889.2	762.6	624.5	344.0	35.9	4.3
22°	1154.7	1148.9	1127.8	1086.2	1018.0	914.0	779.8	636.0	343.3	32.6	3.2
23°	1174.8	1168.7	1147.9	1109.5	1041.0	935.9	792.7	641.7	338.6	29.4	2.5
24°	1185.2	1181.6	1162.9	1126.7	1059.6	951.3	801.7	643.9	332.9	26.2	1.8
25°	1191.3	1187.0	1168.7	1135.3	1071.8	963.5	807.4	642.1	321.4	23.3	1.1
26°	1197.7	1191.3	1170.5	1138.2	1078.3	969.2	807.8	637.4	309.2	20.8	0.4
27°	1203.5	1197.4	1175.8	1140.3	1079.3	967.4	804.9	628.4	294.5	18.3	0.4
28°	1216.0	1209.2	1184.4	1145.0	1080.4	962.8	796.0	616.3	275.1	16.1	0.0
29°	1232.5	1225.3	1197.0	1156.1	1082.9	957.7	783.8	600.1	258.3	14.3	0.0
30°	1246.1	1239.7	1213.5	1170.1	1089.4	953.1	769.4	578.2	235.3	12.2	0.0
31°	1256.2	1249.7	1225.7	1181.9	1095.1	948.8	751.5	555.6	214.5	10.8	0.0
32°	1258.7	1253.3	1230.7	1187.0	1095.1	942.3	735.0	530.2	194.1	9.0	0.0
33°	1257.6	1252.2	1229.3	1183.4	1085.4	926.9	714.9	499.7	170.7	7.9	0.0
34°	1253.7	1247.2	1222.8	1171.9	1066.4	900.7	685.8	469.2	146.4	6.5	0.0
35°	1244.0	1238.2	1211.7	1150.4	1037.0	860.9	647.1	434.0	121.2	5.4	0.0
36°	1234.7	1226.0	1193.4	1123.8	998.3	820.0	600.8	393.5	99.7	4.3	0.0
37°	1217.4	1205.2	1172.2	1085.4	943.4	762.2	548.1	349.0	83.6	3.2	0.0
38°	1194.5	1178.0	1136.0	1041.0	888.2	708.1	498.6	308.8	70.3	2.2	0.0
39°	1159.0	1139.6	1082.6	980.0	824.3	645.3	441.9	266.2	59.9	1.4	0.0
40°	1105.9	1087.6	1024.5	907.5	760.8	576.1	383.8	218.1	50.9	0.7	0.0
42.5°	920.8	895.7	822.5	706.3	562.4	414.3	254.0	121.2	33.7	0.0	0.0
45°	685.1	662.9	591.1	485.3	374.8	253.6	135.9	71.4	20.8	0.0	0.0
47.5°	387.0	384.5	337.9	278.7	209.1	134.9	68.9	43.0	9.0	0.0	0.0
50°	208.0	195.1	168.2	127.7	87.2	58.8	37.3	23.7	1.8	0.0	0.0
52.5°	76.0	73.5	61.7	51.3	39.5	26.9	19.0	10.4	0.0	0.0	0.0
55°	10.0	9.3	9.7	10.4	10.8	9.3	6.1	2.2	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.4	0.7	0.7	0.7	0.0	0.0	0.0	0.4
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	0.7
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	0.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	0.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	0.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	0.7
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):

	112.5°	135°	157.5°	180°
0°	28.3	28.3	28.3	28.3
2.5°	21.9	16.9	14.3	14.0
5°	15.1	9.3	6.8	6.5
7.5°	10.4	4.7	3.2	2.9
10°	6.1	2.2	1.1	0.7
12.5°	3.6	0.4	0.0	0.0
15°	1.1	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	0.4	0.0	0.0	0.0
67.5°	0.4	0.0	0.0	0.0
70°	0.4	0.0	0.0	0.0
72.5°	0.4	0.0	0.0	0.0
75°	0.4	0.0	0.0	0.0
77.5°	0.4	0.0	0.0	0.0
80°	0.4	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.4	0.0	0.0	0.0
85°	0.4	0.0	0.0	0.0
87.5°	0.4	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)