

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: P1324859

Luminaire Tested: LDSQA3D05R35W2N902750DE010 3LSQCA30R 1MB_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324859
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 1MB_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 5000K CCT AND, 90CRI ,
3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

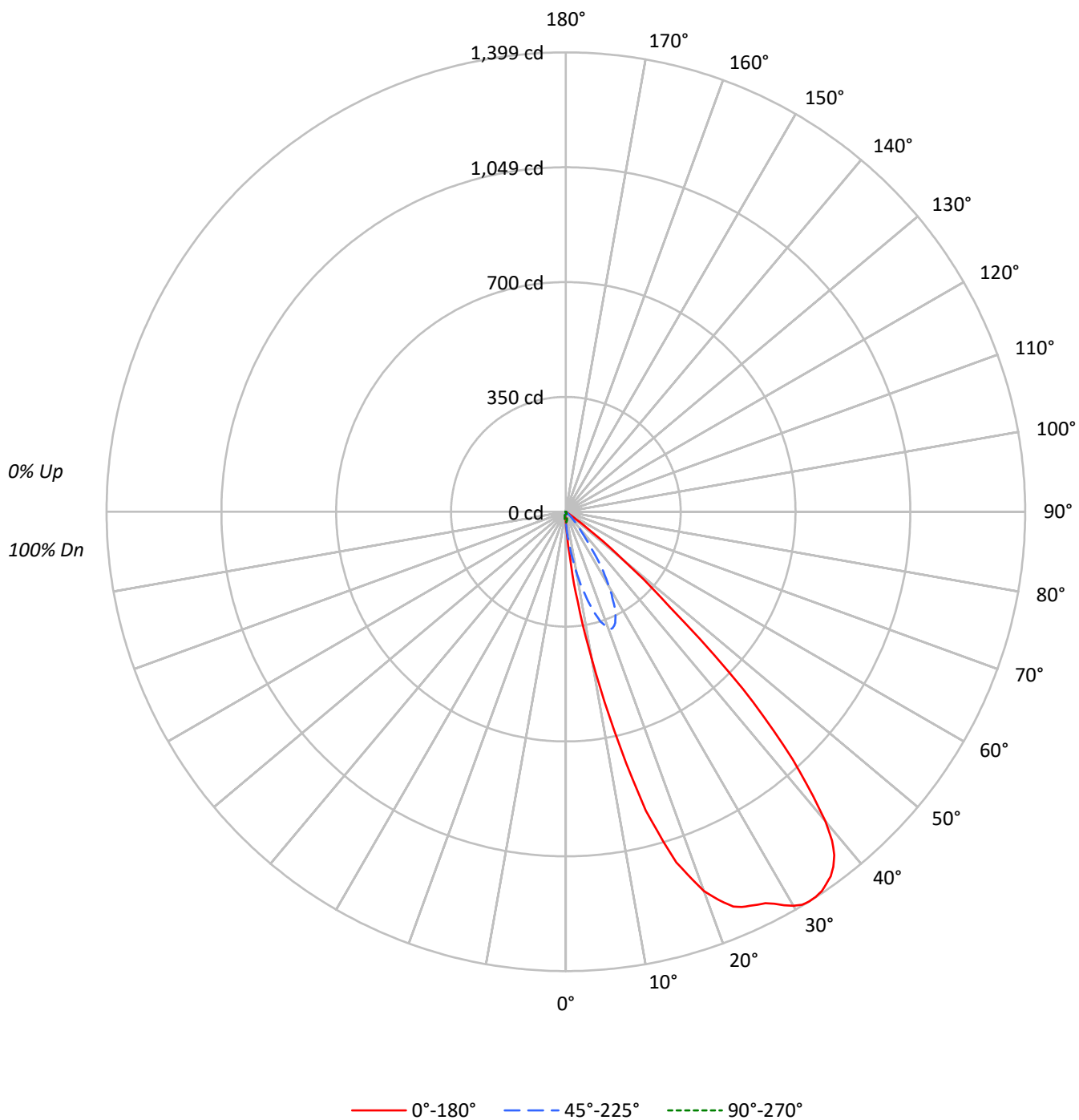
Lumens per Lamp: N/A
Luminaire Lumens: 418.0 lumens
Efficiency: N/A
Efficacy: 70.8 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	107	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°	5425	5425	5425	5425	5425
5°	23581	14608	5031	1798	1245
10°	79360	32982	3760	420	140
15°	167939	54113	2354	0	0
20°	225172	69132	1100	0	0
25°	251652	67897	228	0	0
30°	275488	52023	0	0	0
35°	290748	28341	0	0	0
40°	276395	12725	0	0	0
45°	185519	5626	0	0	0
50°	61972	536	0	0	0
55°	3363	0	0	0	0
60°	0	0	138	0	0
65°	0	0	326	0	0
70°	0	201	403	0	0
75°	0	266	532	0	0
80°	0	397	793	0	0
85°	0	790	1581	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 185519 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.8	1.6
10°-20°	58.0	13.9
20°-30°	127.3	30.4
30°-40°	147.2	35.2
40°-50°	72.7	17.4
50°-60°	5.4	1.3
60°-70°	0.2	0.0
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°	192.0	45.9
0°-40°	339.2	81.1
0°-60°	417.2	99.8
0°-90°	418.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	418.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	32	32	32	32	32	
5°	136	84	29	10	7	23
15°	942	304	13	0	0	266
25°	1324	357	1	0	0	612
35°	1383	135	0	0	0	854
45°	762	23	0	0	0	559
55°	11	0	0	0	0	46
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°	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
2.5°	62.6	64.2	63.4	63.4	63.0	61.0	57.4	56.2	51.8	41.1	31.9
5°	136.4	136.8	135.6	129.6	124.4	119.6	109.3	104.5	84.5	50.2	29.1
7.5°	276.7	270.8	263.2	254.8	236.5	219.7	197.8	174.7	130.8	58.2	25.9
10°	453.8	445.4	439.0	419.1	386.0	351.7	309.8	272.0	188.6	63.8	21.5
12.5°	682.3	677.5	654.8	614.9	565.9	516.4	443.4	383.2	246.8	65.0	17.5
15°	941.9	933.9	899.2	842.6	776.0	698.2	600.6	499.3	303.5	61.4	13.2
17.5°	1119.4	1115.0	1085.1	1025.6	949.1	850.2	734.5	608.1	350.1	53.8	9.2
20°	1228.6	1222.2	1194.3	1144.1	1063.9	960.6	823.5	677.5	377.2	44.3	6.0
21°	1256.9	1250.5	1228.2	1176.0	1099.4	988.6	847.8	694.3	382.4	39.9	4.8
22°	1283.6	1277.3	1253.7	1207.5	1131.7	1016.1	866.9	707.0	381.6	36.3	3.6
23°	1306.0	1299.2	1276.1	1233.4	1157.2	1040.4	881.3	713.4	376.4	32.7	2.8
24°	1317.5	1313.6	1292.8	1252.5	1178.0	1057.5	891.3	715.8	370.1	29.1	2.0
25°	1324.3	1319.5	1299.2	1262.1	1191.5	1071.1	897.6	713.8	357.3	25.9	1.2
26°	1331.5	1324.3	1301.2	1265.3	1198.7	1077.5	898.0	708.6	343.7	23.1	0.4
27°	1337.9	1331.1	1307.2	1267.7	1199.9	1075.5	894.8	698.6	327.4	20.3	0.4
28°	1351.8	1344.3	1316.7	1272.9	1201.1	1070.3	884.9	685.1	305.9	17.9	0.0
29°	1370.2	1362.2	1330.7	1285.2	1203.9	1064.7	871.3	667.1	287.1	16.0	0.0
30°	1385.3	1378.2	1349.0	1300.8	1211.1	1059.5	855.4	642.8	261.6	13.6	0.0
31°	1396.5	1389.3	1362.6	1314.0	1217.4	1054.8	835.4	617.7	238.5	12.0	0.0
32°	1399.3	1393.3	1368.2	1319.5	1217.4	1047.6	817.1	589.4	215.7	10.0	0.0
33°	1398.1	1392.1	1366.6	1315.5	1206.7	1030.4	794.8	555.5	189.8	8.8	0.0
34°	1393.7	1386.5	1359.4	1302.8	1185.5	1001.3	762.5	521.6	162.7	7.2	0.0
35°	1382.9	1376.6	1347.1	1278.9	1152.8	957.1	719.4	482.5	134.8	6.0	0.0
36°	1372.6	1363.0	1326.7	1249.4	1109.8	911.6	667.9	437.5	110.9	4.8	0.0
37°	1353.4	1339.9	1303.2	1206.7	1048.8	847.4	609.3	388.0	92.9	3.6	0.0
38°	1327.9	1309.6	1262.9	1157.2	987.4	787.2	554.3	343.3	78.2	2.4	0.0
39°	1288.4	1266.9	1203.5	1089.4	916.4	717.4	491.3	295.9	66.6	1.6	0.0
40°	1229.4	1209.1	1138.9	1008.9	845.8	640.4	426.7	242.5	56.6	0.8	0.0
42.5°	1023.6	995.7	914.4	785.2	625.3	460.6	282.3	134.8	37.5	0.0	0.0
45°	761.7	736.9	657.2	539.5	416.7	281.9	151.1	79.4	23.1	0.0	0.0
47.5°	430.3	427.5	375.6	309.8	232.5	149.9	76.6	47.9	10.0	0.0	0.0
50°	231.3	216.9	187.0	142.0	96.9	65.4	41.5	26.3	2.0	0.0	0.0
52.5°	84.5	81.7	68.6	57.0	43.9	29.9	21.1	11.6	0.0	0.0	0.0
55°	11.2	10.4	10.8	11.6	12.0	10.4	6.8	2.4	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.4	0.8	0.8	0.8	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	0.8
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.8
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.8
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.8



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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	0.8	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.8
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°	31.5	31.5	31.5	31.5
2.5°	24.3	18.7	16.0	15.6
5°	16.7	10.4	7.6	7.2
7.5°	11.6	5.2	3.6	3.2
10°	6.8	2.4	1.2	0.8
12.5°	4.0	0.4	0.0	0.0
15°	1.2	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)