

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: P1324861

Luminaire Tested: LDSQA3D05R35W2N902750DE010 3LSQCA30R 1MMS_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324861
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_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

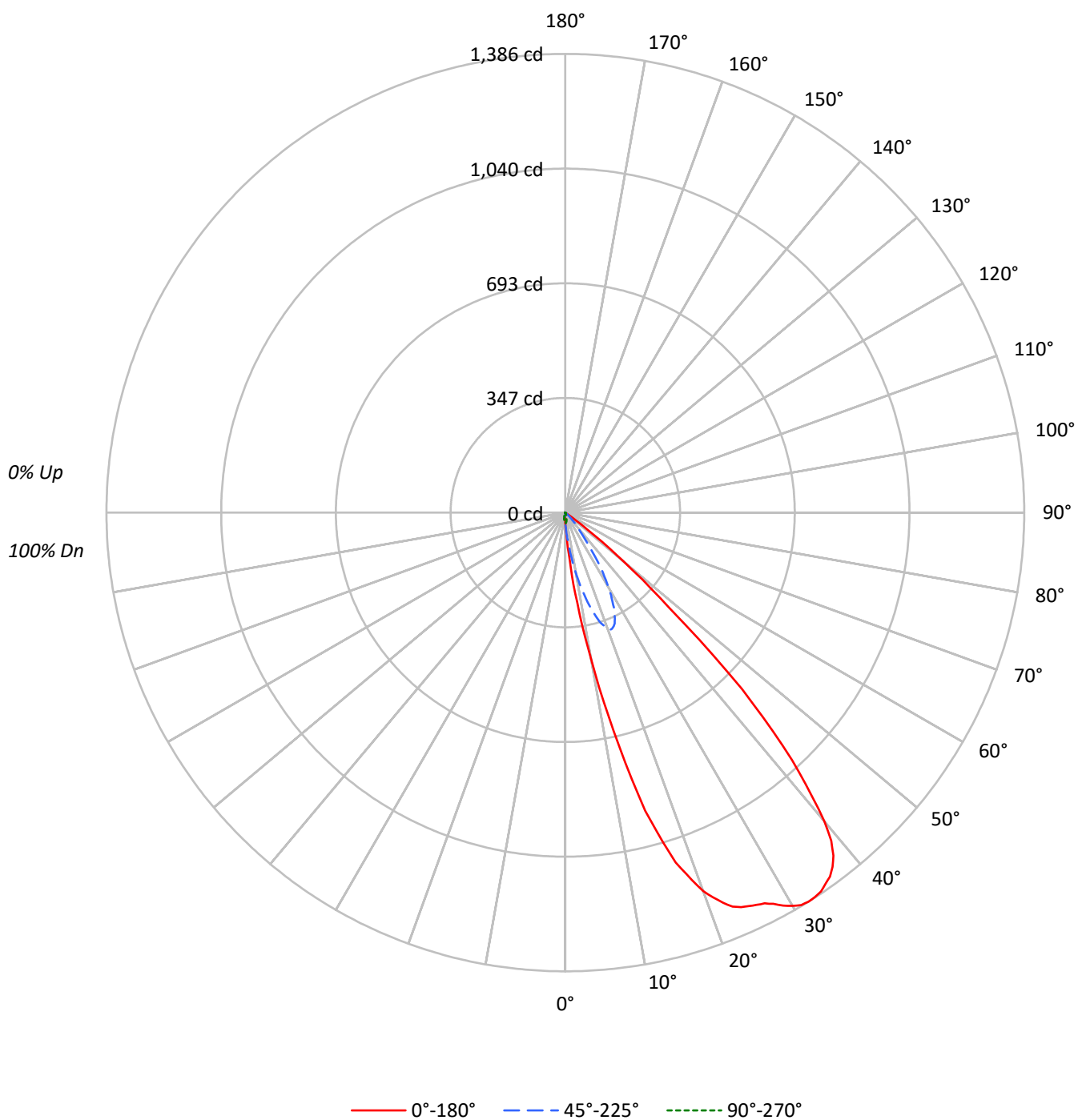
Lumens per Lamp: N/A
Luminaire Lumens: 414.0 lumens
Efficiency: N/A
Efficacy: 70.2 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.46 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1324861

CATALOG NUMBER: LDSQA3D05R35W2N902750DE010 3LSQCA30R 1MMS_3000K

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	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°	5373	5373	5373	5373	5373
5°	23356	14470	4979	1781	1227
10°	78608	32667	3725	420	140
15°	166334	53596	2318	0	0
20°	223028	68472	1081	0	0
25°	249239	67250	228	0	0
30°	272863	51526	0	0	0
35°	287973	28068	0	0	0
40°	273742	12612	0	0	0
45°	183741	5578	0	0	0
50°	61383	536	0	0	0
55°	3333	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: 183741 cd/sqm

TEST NUMBER: P1324861

CATALOG NUMBER: LDSQA3D05R35W2N902750DE010 3LSQCA30R 1MMS_3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.7	1.6
10°-20°	57.4	13.9
20°-30°	126.0	30.4
30°-40°	145.8	35.2
40°-50°	72.0	17.4
50°-60°	5.3	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°	190.2	45.9
0°-40°	336.0	81.1
0°-60°	413.3	99.8
0°-90°	414.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	414.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	31	31	31	31	31	
5°	135	84	29	10	7	23
15°	933	301	13	0	0	263
25°	1312	354	1	0	0	606
35°	1370	134	0	0	0	846
45°	754	23	0	0	0	554
55°	11	0	0	0	0	45
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°	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
2.5°	62.0	63.6	62.8	62.8	62.4	60.4	56.9	55.7	51.3	40.7	31.6
5°	135.1	135.5	134.3	128.4	123.2	118.5	108.2	103.5	83.7	49.8	28.8
7.5°	274.1	268.2	260.7	252.4	234.2	217.6	195.9	173.0	129.5	57.7	25.7
10°	449.5	441.2	434.8	415.1	382.3	348.4	306.9	269.4	186.8	63.2	21.3
12.5°	675.8	671.0	648.5	609.0	560.4	511.5	439.2	379.6	244.5	64.4	17.4
15°	932.9	925.0	890.6	834.5	768.6	691.6	594.8	494.5	300.6	60.8	13.0
17.5°	1108.6	1104.3	1074.7	1015.8	940.0	842.0	727.5	602.3	346.8	53.3	9.1
20°	1216.9	1210.5	1182.9	1133.1	1053.7	951.4	815.6	671.0	373.6	43.8	5.9
21°	1244.9	1238.6	1216.5	1164.7	1088.9	979.1	839.7	687.6	378.8	39.5	4.7
22°	1271.4	1265.0	1241.7	1195.9	1120.9	1006.3	858.6	700.3	378.0	35.9	3.6
23°	1293.5	1286.8	1263.9	1221.6	1146.2	1030.4	872.9	706.6	372.8	32.4	2.8
24°	1304.9	1301.0	1280.4	1240.6	1166.7	1047.4	882.7	708.9	366.5	28.8	2.0
25°	1311.6	1306.9	1286.8	1250.0	1180.1	1060.9	889.0	707.0	353.9	25.7	1.2
26°	1318.8	1311.6	1288.7	1253.2	1187.2	1067.2	889.4	701.8	340.5	22.9	0.4
27°	1325.1	1318.4	1294.7	1255.6	1188.4	1065.2	886.3	692.0	324.3	20.1	0.4
28°	1338.9	1331.4	1304.1	1260.7	1189.6	1060.1	876.4	678.5	302.9	17.8	0.0
29°	1357.1	1349.2	1318.0	1272.9	1192.4	1054.5	863.0	660.8	284.4	15.8	0.0
30°	1372.1	1365.0	1336.1	1288.3	1199.5	1049.4	847.2	636.7	259.1	13.4	0.0
31°	1383.1	1376.0	1349.6	1301.4	1205.8	1044.7	827.4	611.8	236.2	11.8	0.0
32°	1385.9	1380.0	1355.1	1306.9	1205.8	1037.5	809.3	583.7	213.7	9.9	0.0
33°	1384.7	1378.8	1353.5	1303.0	1195.1	1020.6	787.1	550.2	188.0	8.7	0.0
34°	1380.4	1373.3	1346.4	1290.3	1174.2	991.7	755.2	516.6	161.1	7.1	0.0
35°	1369.7	1363.4	1334.2	1266.6	1141.8	947.9	712.5	477.9	133.5	5.9	0.0
36°	1359.4	1350.0	1314.0	1237.4	1099.2	902.9	661.6	433.3	109.8	4.7	0.0
37°	1340.5	1327.1	1290.7	1195.1	1038.7	839.3	603.5	384.3	92.0	3.6	0.0
38°	1315.2	1297.0	1250.8	1146.2	977.9	779.6	549.0	340.1	77.4	2.4	0.0
39°	1276.1	1254.8	1192.0	1079.0	907.6	710.5	486.6	293.1	66.0	1.6	0.0
40°	1217.6	1197.5	1128.0	999.2	837.7	634.3	422.6	240.1	56.1	0.8	0.0
42.5°	1013.9	986.2	905.6	777.7	619.3	456.2	279.6	133.5	37.1	0.0	0.0
45°	754.4	729.9	650.9	534.4	412.7	279.2	149.7	78.6	22.9	0.0	0.0
47.5°	426.2	423.4	372.0	306.9	230.3	148.5	75.8	47.4	9.9	0.0	0.0
50°	229.1	214.9	185.2	140.6	96.0	64.8	41.1	26.1	2.0	0.0	0.0
52.5°	83.7	81.0	67.9	56.5	43.4	29.6	20.9	11.5	0.0	0.0	0.0
55°	11.1	10.3	10.7	11.5	11.8	10.3	6.7	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°	31.2	31.2	31.2	31.2
2.5°	24.1	18.6	15.8	15.4
5°	16.6	10.3	7.5	7.1
7.5°	11.5	5.1	3.6	3.2
10°	6.7	2.4	1.2	0.8
12.5°	3.9	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)