

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: P1324949

Luminaire Tested: LDSQA3D05R35W2N902765DE010 3LSQCA30R 1MMS\_4000K

Issue Date: 1/29/2026

**Test Information**

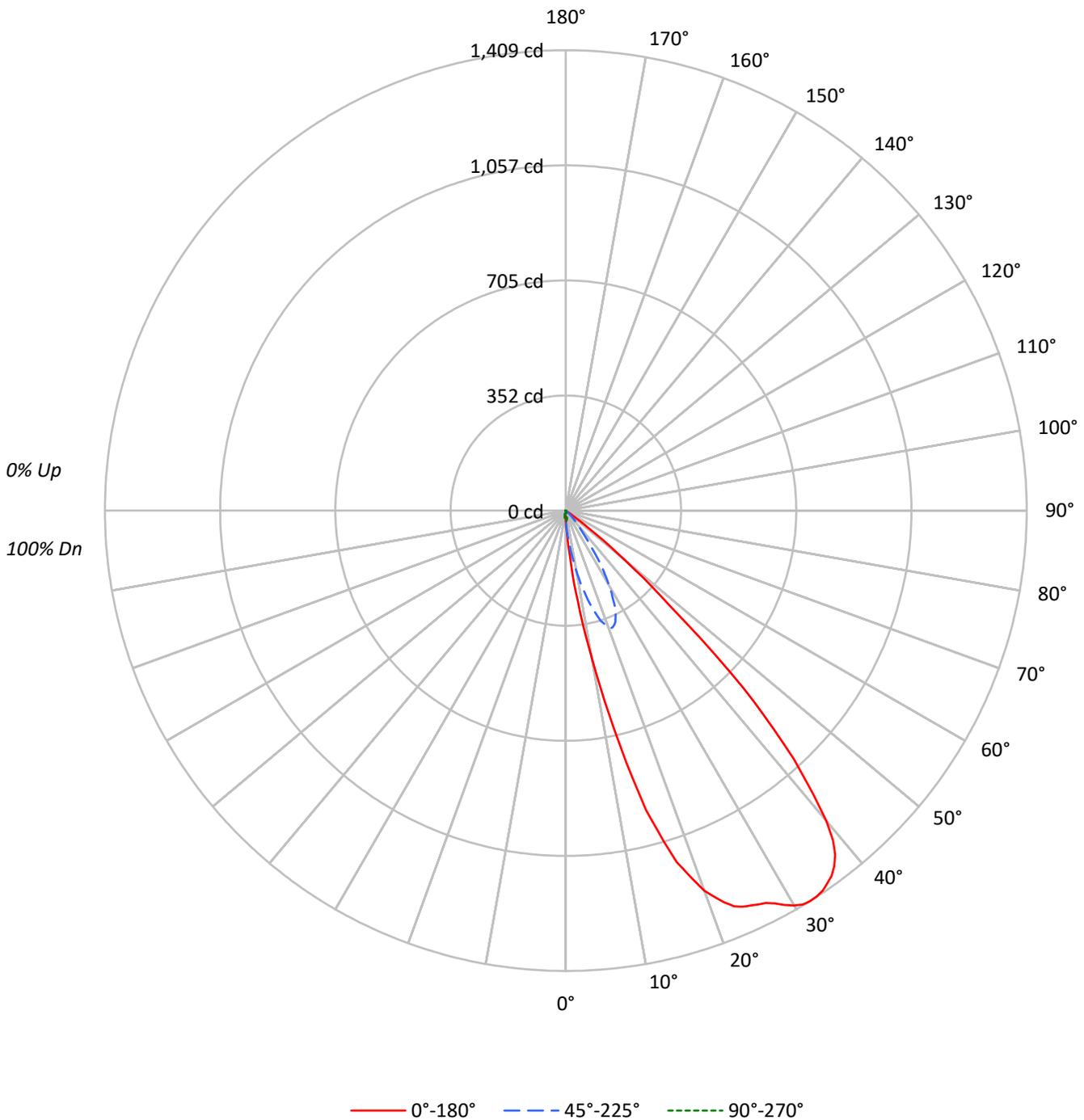
Test Method: LM-79-2019  
Report Number: P1324949  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R35W2N902765DE010 3LSQCA30R 1MMS\_4000K  
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 4000K CCT AND, 90CRI ,  
3LSQCA30R 1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 421.0 lumens  
Efficiency: N/A  
Efficacy: 71.4 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			0	
RW	70	50	30	10	70	50	30	10	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	102	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	96	95	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	89	87	85	83
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	82	79	76	75
4	93	84	77	72	91	82	76	72	80	75	71	78	73	70	76	72	69	76	72	69	67
5	86	76	70	64	85	75	69	64	74	68	63	72	67	63	70	66	62	70	66	62	61
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	65	60	56	55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	60	55	51	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	46	55	50	46	55	50	46	45
9	66	54	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	51	46	42	40
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	47	42	38	37

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	5459	5459	5459	5459	5459
5°	23754	14712	5065	1798	1245
10°	79937	33227	3795	420	140
15°	169151	54488	2371	0	0
20°	226785	69626	1100	0	0
25°	253458	68391	228	0	0
30°	277477	52401	0	0	0
35°	292850	28551	0	0	0
40°	278373	12815	0	0	0
45°	186835	5675	0	0	0
50°	62401	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: 186835 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	6.8	1.6
10°-20°	58.4	13.9
20°-30°	128.2	30.4
30°-40°	148.2	35.2
40°-50°	73.2	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°	193.4	45.9
0°-40°	341.6	81.2
0°-60°	420.2	99.8
0°-90°	421.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	421.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	32	32	32	32	32	
5°	137	85	29	10	7	24
15°	949	306	13	0	0	268
25°	1334	360	1	0	0	617
35°	1393	136	0	0	0	860
45°	767	23	0	0	0	563
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°	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
2.5°	63.1	64.7	63.9	63.9	63.5	61.4	57.8	56.6	52.2	41.4	32.1
5°	137.4	137.8	136.6	130.5	125.3	120.5	110.0	105.2	85.1	50.6	29.3
7.5°	278.7	272.7	265.1	256.6	238.2	221.3	199.2	175.9	131.7	58.6	26.1
10°	457.1	448.6	442.2	422.1	388.8	354.2	312.1	273.9	190.0	64.3	21.7
12.5°	687.2	682.4	659.5	619.3	569.9	520.1	446.6	386.0	248.6	65.5	17.7
15°	948.7	940.6	905.7	848.7	781.6	703.3	604.9	502.8	305.6	61.9	13.3
17.5°	1127.4	1123.0	1092.8	1033.0	955.9	856.3	739.8	612.5	352.6	54.2	9.2
20°	1237.4	1231.0	1202.9	1152.3	1071.6	967.5	829.4	682.4	379.9	44.6	6.0
21°	1265.9	1259.5	1237.0	1184.4	1107.3	995.6	853.9	699.2	385.2	40.2	4.8
22°	1292.9	1286.4	1262.7	1216.1	1139.8	1023.4	873.2	712.1	384.4	36.5	3.6
23°	1315.4	1308.5	1285.2	1242.3	1165.5	1047.9	887.6	718.5	379.1	32.9	2.8
24°	1327.0	1323.0	1302.1	1261.5	1186.4	1065.1	897.7	720.9	372.7	29.3	2.0
25°	1333.8	1329.0	1308.5	1271.2	1200.1	1078.8	904.1	718.9	359.9	26.1	1.2
26°	1341.1	1333.8	1310.5	1274.4	1207.3	1085.2	904.5	713.7	346.2	23.3	0.4
27°	1347.5	1340.7	1316.6	1276.8	1208.5	1083.2	901.3	703.7	329.7	20.5	0.4
28°	1361.5	1353.9	1326.2	1282.0	1209.7	1078.0	891.2	690.0	308.1	18.1	0.0
29°	1380.0	1372.0	1340.3	1294.5	1212.5	1072.4	877.6	671.9	289.2	16.1	0.0
30°	1395.3	1388.0	1358.7	1310.1	1219.8	1067.1	861.5	647.4	263.5	13.7	0.0
31°	1406.5	1399.3	1372.4	1323.4	1226.2	1062.3	841.4	622.1	240.2	12.0	0.0
32°	1409.3	1403.3	1378.0	1329.0	1226.2	1055.1	822.9	593.6	217.3	10.0	0.0
33°	1408.1	1402.1	1376.4	1325.0	1215.3	1037.8	800.5	559.5	191.2	8.8	0.0
34°	1403.7	1396.5	1369.2	1312.1	1194.1	1008.5	767.9	525.3	163.9	7.2	0.0
35°	1392.9	1386.4	1356.7	1288.0	1161.1	963.9	724.5	486.0	135.8	6.0	0.0
36°	1382.4	1372.8	1336.2	1258.3	1117.7	918.1	672.7	440.6	111.7	4.8	0.0
37°	1363.1	1349.5	1312.5	1215.3	1056.3	853.5	613.7	390.8	93.6	3.6	0.0
38°	1337.4	1319.0	1272.0	1165.5	994.4	792.8	558.3	345.8	78.7	2.4	0.0
39°	1297.7	1276.0	1212.1	1097.3	923.0	722.5	494.8	298.0	67.1	1.6	0.0
40°	1238.2	1217.8	1147.1	1016.1	851.9	645.0	429.7	244.2	57.0	0.8	0.0
42.5°	1031.0	1002.9	920.9	790.8	629.8	463.9	284.4	135.8	37.8	0.0	0.0
45°	767.1	742.2	661.9	543.4	419.7	284.0	152.2	79.9	23.3	0.0	0.0
47.5°	433.4	430.6	378.3	312.1	234.2	151.0	77.1	48.2	10.0	0.0	0.0
50°	232.9	218.5	188.4	143.0	97.6	65.9	41.8	26.5	2.0	0.0	0.0
52.5°	85.1	82.3	69.1	57.4	44.2	30.1	21.3	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°	31.7	31.7	31.7	31.7
2.5°	24.5	18.9	16.1	15.7
5°	16.9	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)