

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: P1325054

Luminaire Tested: LDSQA3D05R40W2N902750DE010 3LSQCA30R 1MW\_3500K

Issue Date: 1/29/2026

**Test Information**

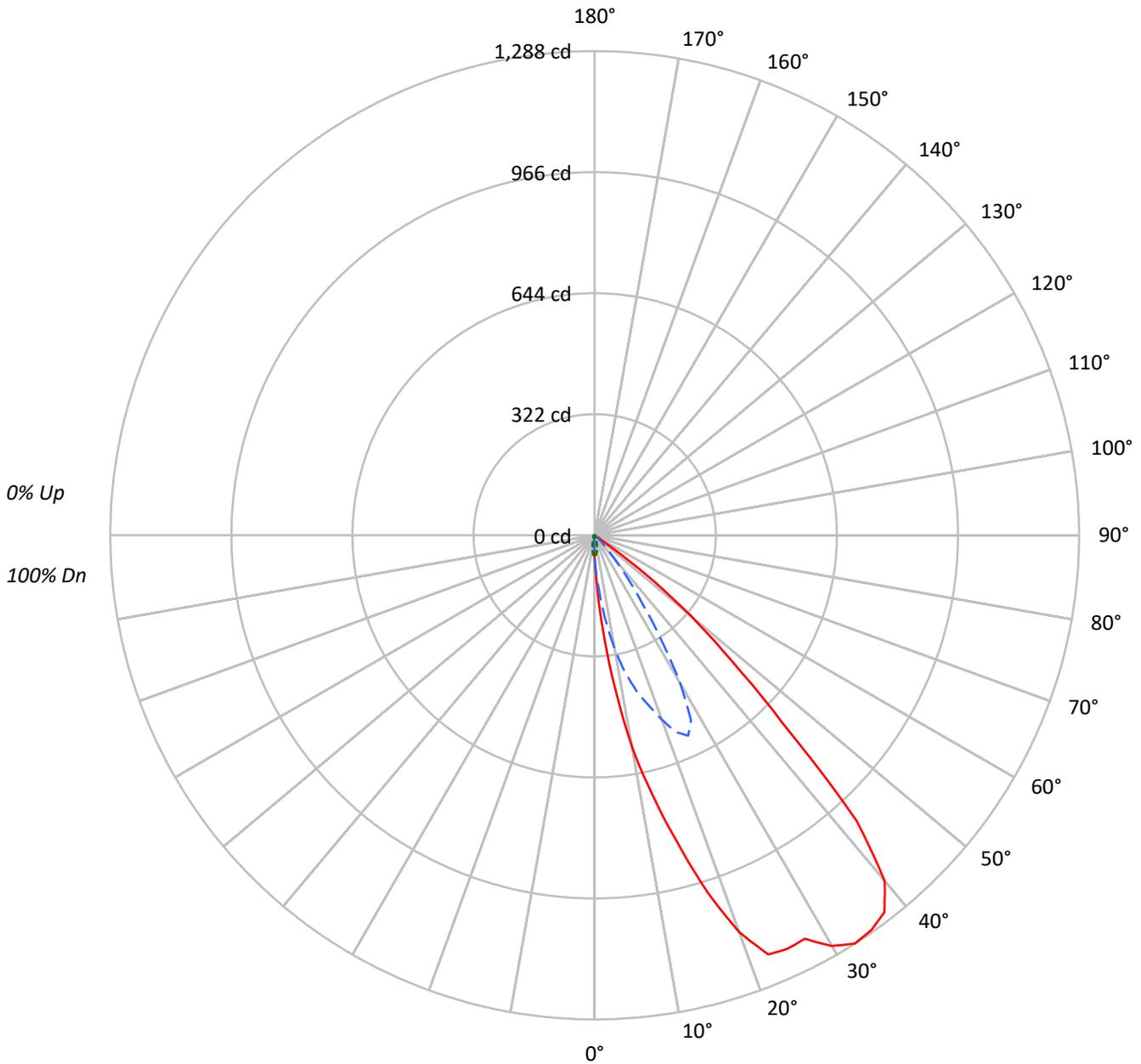
Test Method: LM-79-2019  
Report Number: P1325054  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-64)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R40W2N902750DE010 3LSQCA30R 1MW\_3500K  
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 3500K CCT AND, 90CRI ,  
3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 475.0 lumens  
Efficiency: N/A  
Efficacy: 80.5 lumens/watt  
Spacing Criteria (0/90/45): 2.53 / 0.42 / 1.24  
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



— 0°-180°    - - 45°-225°    - - - 90°-270°



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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	100	100	100	100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91	91	91	91
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82	82	82	82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74	74	74	74
4	92	83	77	71	90	82	76	71	80	74	70	78	73	69	76	72	68	67	67	67	67
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	60	60	60	60
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54	54	54	54
7	75	64	57	52	74	63	56	52	62	56	51	61	55	51	59	54	51	49	49	49	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44	44	44	44
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	40	40	40	40
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37	37	37	37

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

	0°	45°	90°	135°	180°
0°	9679	9679	9679	9679	9679
5°	43652	27834	8679	3337	2438
10°	100118	53775	6103	1189	909
15°	150252	76312	3798	642	571
20°	205727	95651	2199	367	440
25°	230616	111755	1140	304	380
30°	250849	90225	477	239	398
35°	269597	46170	168	336	505
40°	269695	18413	90	360	629
45°	172197	6162	195	585	877
50°	89382	750	322	750	1072
55°	7717	120	360	961	1321
60°	276	138	413	1102	1516
65°	326	163	652	1141	1630
70°	201	201	806	1209	1611
75°	266	266	799	1331	1863
80°	397	397	1190	1190	1587
85°	0	790	2371	1581	1581

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 172197 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.9	2.3
10°-20°	64.3	13.5
20°-30°	140.8	29.6
30°-40°	160.4	33.8
40°-50°	84.6	17.8
50°-60°	10.0	2.1
60°-70°	1.8	0.4
70°-80°	1.5	0.3
80°-90°	0.7	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°	216.0	45.5
0°-40°	376.4	79.3
0°-60°	471.0	99.2
0°-90°	475.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	475.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	56	56	56	56	56	
5°	252	161	50	19	14	34
15°	843	428	21	4	3	248
25°	1214	588	6	2	2	559
35°	1282	220	1	2	2	795
45°	707	25	1	2	4	570
55°	26	0	1	3	4	80
65°	1	0	2	3	4	1
75°	0	0	1	2	3	0
85°	0	0	1	1	1	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
2.5°	125.3	125.3	124.9	121.2	120.8	120.4	114.0	112.4	104.8	99.6	75.9
5°	252.5	246.9	246.5	240.1	229.2	214.8	205.5	190.7	176.2	161.0	93.5
7.5°	402.3	407.1	393.8	387.0	362.9	345.7	319.2	295.9	263.4	232.8	108.0
10°	572.5	564.1	550.8	537.6	511.5	480.5	441.2	399.9	352.9	307.5	116.0
12.5°	705.4	694.5	686.5	668.4	642.7	603.0	556.0	500.6	438.4	373.0	115.6
15°	842.7	831.8	813.8	797.7	759.6	715.0	664.0	591.0	514.7	428.0	107.2
17.5°	993.6	979.6	959.5	935.0	898.1	848.7	784.1	694.9	586.9	472.9	91.9
20°	1122.5	1114.1	1094.0	1065.1	1028.9	980.8	906.1	807.3	675.7	521.9	73.1
22.5°	1206.8	1199.2	1185.5	1160.2	1132.9	1081.5	1013.3	904.9	749.9	566.5	55.4
25°	1213.6	1210.4	1206.8	1198.4	1181.9	1145.4	1078.7	961.9	796.1	588.1	40.9
27.5°	1210.0	1208.8	1208.0	1203.6	1192.7	1156.6	1088.4	970.3	790.1	554.4	30.1
30°	1261.4	1257.8	1255.8	1241.3	1212.8	1157.0	1067.9	925.0	702.2	453.7	21.7
32.5°	1287.5	1286.7	1284.7	1270.6	1230.5	1157.8	1033.4	815.4	556.8	327.6	14.9
35°	1282.3	1278.3	1271.0	1244.9	1189.1	1098.0	921.8	651.2	401.9	219.6	9.6
37.5°	1264.6	1255.4	1241.3	1194.3	1120.1	995.6	747.5	479.3	273.4	142.1	5.6
40°	1199.6	1187.1	1165.0	1107.6	1010.1	820.6	552.8	324.0	179.5	81.9	1.6
42.5°	1031.4	1015.3	999.2	935.0	823.4	611.8	363.7	200.3	102.4	45.0	0.4
45°	707.0	686.9	664.8	618.3	528.7	370.5	216.4	112.8	53.0	25.3	0.4
47.5°	491.0	481.8	443.2	383.8	294.3	196.3	112.0	55.4	28.1	11.6	0.4
50°	333.6	323.2	278.2	220.8	156.6	93.9	51.4	27.7	12.4	2.8	0.4
52.5°	175.0	162.2	133.7	102.0	63.4	39.3	22.5	12.0	3.6	0.4	0.4
55°	25.7	23.7	19.3	15.7	14.1	10.8	6.4	2.8	0.4	0.4	0.8
57.5°	0.8	0.8	0.8	0.8	1.2	1.2	0.8	0.4	0.4	0.4	0.8
60°	0.8	0.8	0.8	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.8
62.5°	0.8	0.8	0.8	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.8
65°	0.8	0.8	0.8	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.8
67.5°	0.8	0.8	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.8	1.2
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	1.2
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2
77.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	1.2
80°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	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):**

	90°	112.5°	135°	157.5°	180°
0°	56.2	56.2	56.2	56.2	56.2
2.5°	55.4	40.9	31.7	27.3	26.9
5°	50.2	29.3	19.3	14.9	14.1
7.5°	42.6	20.5	11.2	8.0	7.6
10°	34.9	14.1	6.8	5.6	5.2
12.5°	27.7	9.2	4.8	4.4	4.0
15°	21.3	6.0	3.6	3.2	3.2
17.5°	16.1	4.0	2.8	2.8	2.8
20°	12.0	2.8	2.0	2.4	2.4
22.5°	8.4	2.0	1.6	2.0	2.0
25°	6.0	1.6	1.6	2.0	2.0
27.5°	4.0	1.2	1.2	1.6	2.0
30°	2.4	0.8	1.2	1.6	2.0
32.5°	1.2	0.8	1.2	2.0	2.0
35°	0.8	1.2	1.6	2.0	2.4
37.5°	0.4	1.2	1.6	2.4	2.4
40°	0.4	1.2	1.6	2.4	2.8
42.5°	0.8	1.6	2.0	2.8	3.2
45°	0.8	1.6	2.4	3.2	3.6
47.5°	0.8	1.6	2.8	3.6	3.6
50°	1.2	2.0	2.8	3.6	4.0
52.5°	1.2	2.0	2.8	4.0	4.4
55°	1.2	2.0	3.2	4.0	4.4
57.5°	1.2	2.4	3.2	4.0	4.4
60°	1.2	2.0	3.2	4.0	4.4
62.5°	1.6	2.0	2.8	4.0	4.0
65°	1.6	2.0	2.8	4.0	4.0
67.5°	1.6	2.0	2.8	3.6	3.6
70°	1.6	2.0	2.4	3.2	3.2
72.5°	1.6	2.0	2.4	2.8	3.2
75°	1.2	1.6	2.0	2.4	2.8
77.5°	1.2	1.6	1.6	2.4	2.4
80°	1.2	1.2	1.2	1.6	1.6
82.5°	1.2	1.2	0.8	1.2	1.2
85°	1.2	0.8	0.8	0.8	0.8
87.5°	0.8	0.8	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)