

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: P1325082

Luminaire Tested: LDSQA3D05R40W2N902750DE010 3LSQCDR1MW\_2700K

Issue Date: 1/29/2026

**Test Information**

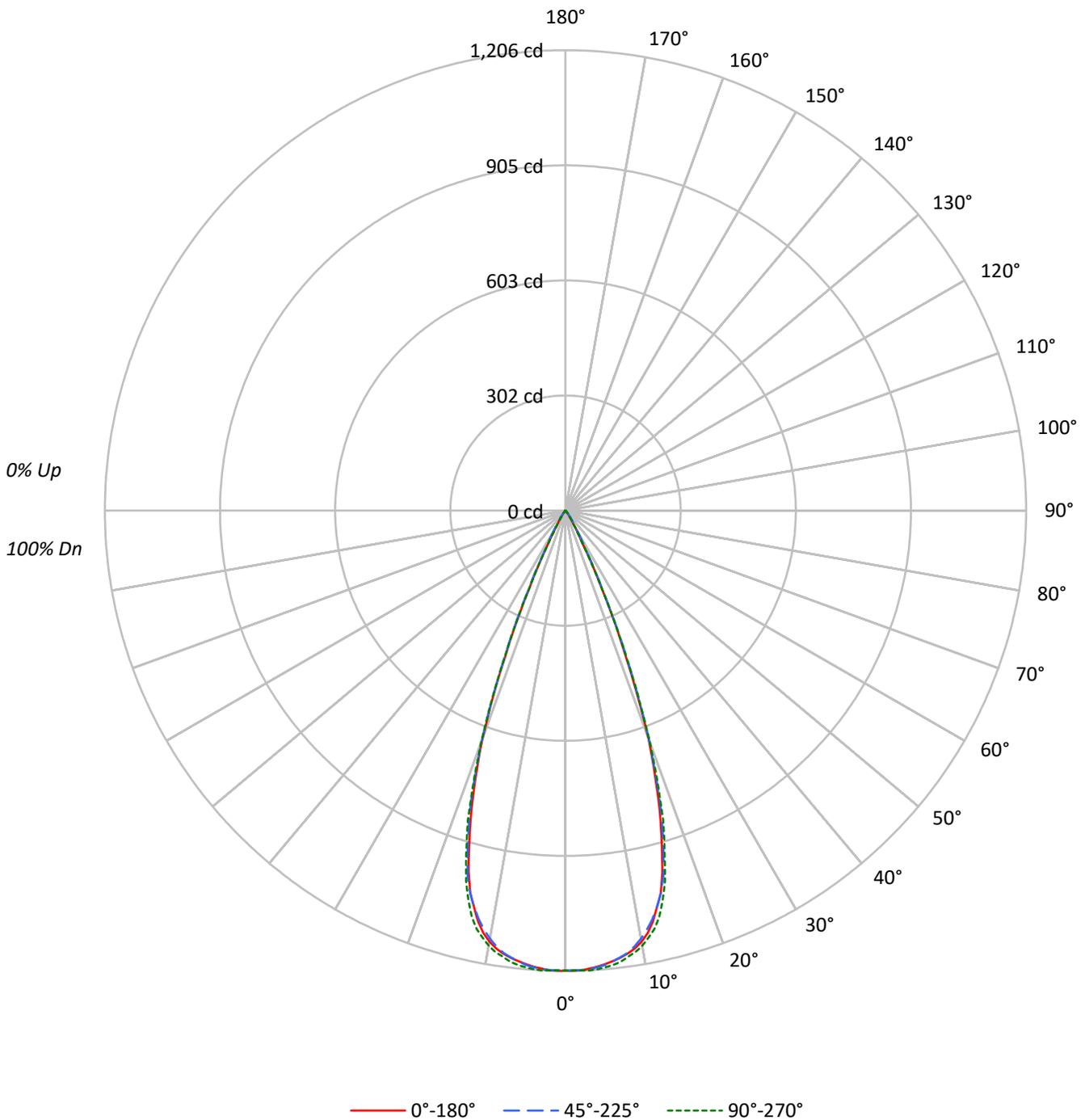
Test Method: LM-79-2019  
Report Number: P1325082  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R40W2N902750DE010 3LSQCDR1MW\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 2700K CCT AND, 90CRI ,  
3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 510.0 lumens  
Efficiency: N/A  
Efficacy: 86.4 lumens/watt  
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6  
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	94	94	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	90	90	88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	91	88	86	86	86	85
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	83	83	82
6	96	89	85	82	95	89	84	81	87	84	81	86	83	80	85	82	80	80	80	79
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	77	77	76
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	80	76	74	74	74	73
9	87	80	75	72	86	79	75	72	79	75	72	78	74	72	77	74	72	72	72	71
10	84	77	73	70	84	77	73	70	76	72	69	75	72	69	75	71	69	69	69	68

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

	0°	45°	90°
0°	207528	207528	207528
5°	206160	206471	207578
10°	200569	199065	202388
15°	174768	176551	179296
20°	116398	117003	118121
25°	42319	43611	42528
30°	8989	12051	8989
35°	3175	5361	3007
40°	1124	1686	1124
45°	268	706	268
50°	188	295	188
55°	210	210	210
60°	241	241	241
65°	163	285	163
70°	201	201	201
75°	266	266	266
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 706 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	112.6	22.1
10°-20°	262.4	51.4
20°-30°	118.1	23.2
30°-40°	13.4	2.6
40°-50°	1.9	0.4
50°-60°	0.6	0.1
60°-70°	0.6	0.1
70°-80°	0.4	0.1
80°-90°	0.0	0.0
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°	493.1	96.7
0°-40°	506.5	99.3
0°-60°	509.1	99.8
0°-90°	510.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	510.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1205	1205	1205	1205	1205	
5°	1192	1191	1194	1200	1201	112
15°	980	983	990	998	1006	260
25°	223	224	230	230	224	115
35°	15	17	26	16	14	11
45°	1	2	3	2	1	1
55°	1	1	1	1	1	1
65°	0	1	1	1	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1205.0	1205.0	1205.0	1205.0	1205.0
1°	1205.7	1204.7	1204.3	1206.5	1204.7
2°	1204.7	1203.9	1204.3	1206.5	1205.0
3°	1201.4	1201.8	1202.9	1206.8	1206.5
4°	1197.5	1197.1	1199.3	1204.3	1204.3
5°	1192.5	1191.0	1194.3	1199.6	1200.7
6°	1186.7	1184.9	1187.5	1194.3	1196.8
7°	1180.3	1176.7	1178.8	1187.1	1190.3
8°	1171.7	1167.0	1169.5	1177.8	1180.3
9°	1160.9	1153.7	1155.9	1165.9	1171.0
10°	1146.9	1138.0	1138.3	1149.4	1157.3
11°	1127.2	1117.2	1117.5	1131.5	1139.8
12°	1101.0	1092.1	1093.8	1106.8	1120.0
13°	1065.5	1063.0	1065.2	1079.1	1091.3
14°	1031.1	1028.6	1032.5	1045.4	1051.2
15°	980.2	982.7	990.2	998.1	1005.6
17.5°	818.8	828.5	837.4	842.8	849.3
20°	635.1	624.0	638.4	631.9	644.5
22.5°	409.9	418.2	421.8	418.2	419.6
25°	222.7	224.1	229.5	229.5	223.8
27.5°	94.7	102.2	109.0	106.5	94.7
30°	45.2	52.0	60.6	52.4	45.2
32.5°	25.5	30.1	39.1	29.4	24.7
35°	15.1	16.9	25.5	16.1	14.3
37.5°	9.0	9.3	14.0	9.7	8.6
40°	5.0	6.1	7.5	6.1	5.0
42.5°	2.5	3.6	4.7	3.6	2.5
45°	1.1	1.8	2.9	1.8	1.1
47.5°	1.1	1.1	1.8	1.1	1.1
50°	0.7	0.7	1.1	0.7	0.7
52.5°	0.7	0.7	0.7	0.7	0.7
55°	0.7	0.7	0.7	0.7	0.7
57.5°	0.7	0.7	0.7	0.7	0.7
60°	0.7	0.7	0.7	0.7	0.7
62.5°	0.7	0.7	0.7	0.7	0.7
65°	0.4	0.7	0.7	0.7	0.4
67.5°	0.4	0.4	0.4	0.4	0.4
70°	0.4	0.4	0.4	0.4	0.4
72.5°	0.4	0.4	0.4	0.4	0.4
75°	0.4	0.4	0.4	0.4	0.4
77.5°	0.4	0.4	0.4	0.4	0.4
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)