

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: P1325072

Luminaire Tested: LDSQA3D05R40W2N902750DE010 3LSQCDR1MB\_2700K

Issue Date: 1/29/2026

**Test Information**

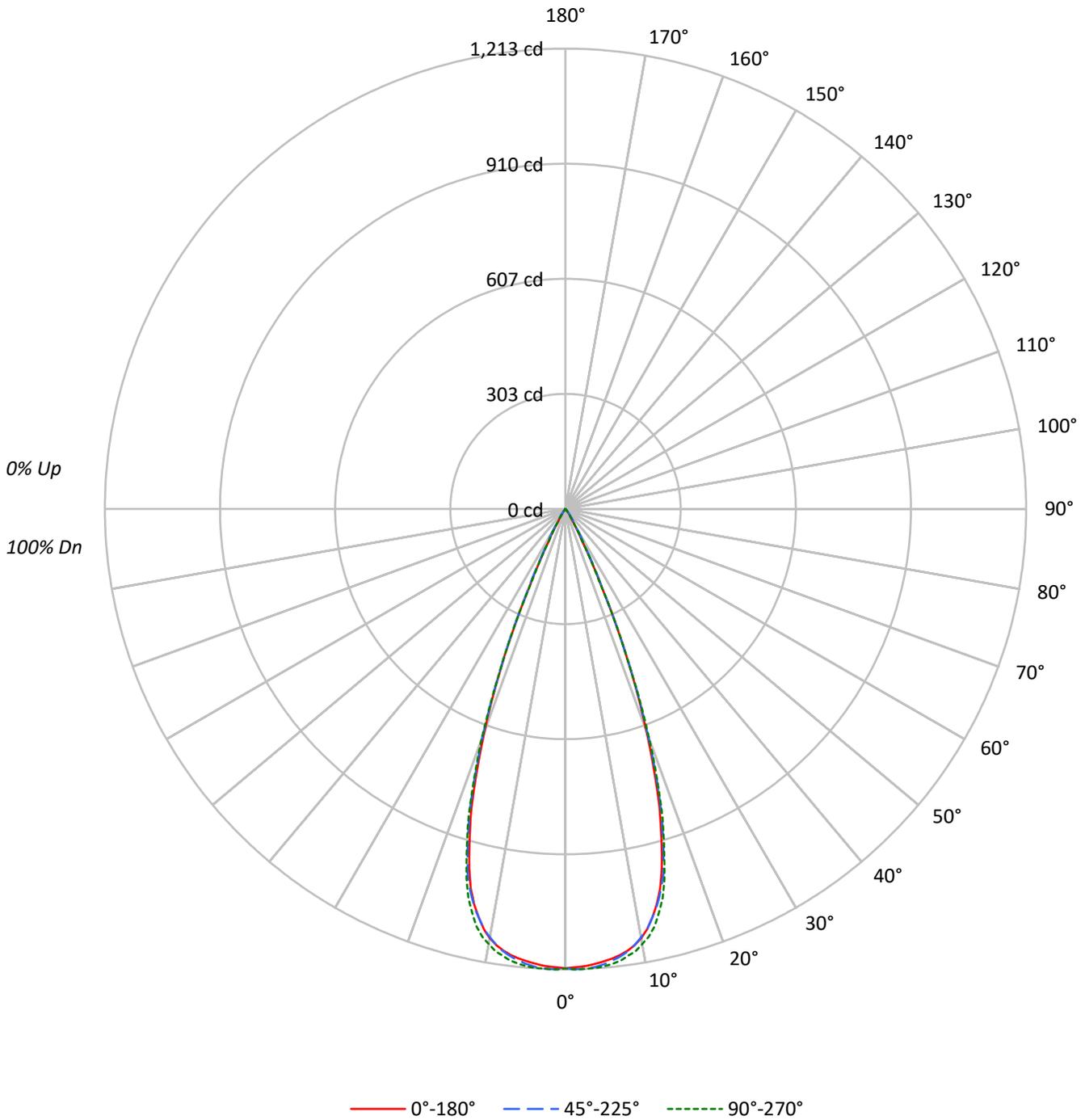
Test Method: LM-79-2019  
Report Number: P1325072  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R40W2N902750DE010 3LSQCDR1MB\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 2700K CCT AND, 90CRI ,  
3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 509.0 lumens  
Efficiency: N/A  
Efficacy: 86.3 lumens/watt  
Spacing Criteria (0/90/45): 0.68 / 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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	85
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	79
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	80	77	76
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	73
9	87	80	76	73	86	80	75	73	79	75	72	78	75	72	77	74	72	71
10	85	77	73	70	84	77	73	70	76	72	70	76	72	70	75	72	70	69

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

	0°	45°	90°
0°	208458	208458	208458
5°	206661	207958	208943
10°	200762	200394	203525
15°	174661	177478	179635
20°	114639	116856	118378
25°	40875	43250	40666
30°	8909	12051	8989
35°	2859	4983	2796
40°	877	1529	809
45°	97	536	97
50°	0	107	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 536 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	113.2	22.2
10°-20°	263.6	51.8
20°-30°	118.2	23.2
30°-40°	12.8	2.5
40°-50°	1.2	0.2
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
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°	495.0	97.3
0°-40°	507.8	99.8
0°-60°	509.0	100.0
0°-90°	509.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	509.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1210	1210	1210	1210	1210	
5°	1195	1199	1203	1205	1209	113
15°	980	987	995	1001	1008	260
25°	215	222	228	232	214	115
35°	14	16	24	15	13	11
45°	0	1	2	1	0	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
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°	1210.4	1210.4	1210.4	1210.4	1210.4
1°	1207.9	1210.4	1212.6	1210.8	1213.3
2°	1206.8	1209.7	1212.9	1211.1	1213.3
3°	1204.0	1207.5	1211.1	1210.1	1212.2
4°	1200.0	1202.9	1208.3	1208.3	1211.5
5°	1195.4	1198.6	1202.9	1204.7	1208.6
6°	1190.3	1192.1	1195.4	1198.9	1204.3
7°	1183.9	1183.9	1187.8	1191.4	1198.6
8°	1174.9	1174.2	1177.1	1181.7	1188.2
9°	1163.8	1161.3	1163.5	1170.3	1179.9
10°	1148.0	1145.9	1145.9	1154.5	1163.8
11°	1127.6	1126.9	1127.3	1135.5	1148.0
12°	1100.0	1100.7	1100.7	1110.1	1125.5
13°	1068.8	1068.5	1071.7	1082.1	1092.5
14°	1030.8	1033.0	1036.2	1045.5	1056.3
15°	979.6	986.8	995.4	1001.1	1007.5
17.5°	823.7	830.8	842.7	847.3	848.8
20°	625.5	635.9	637.6	647.0	645.9
22.5°	419.4	418.6	420.1	421.2	421.5
25°	215.1	221.5	227.6	231.5	214.0
27.5°	93.6	104.7	112.5	102.2	94.6
30°	44.8	50.9	60.6	51.3	45.2
32.5°	24.4	28.3	38.4	28.0	24.0
35°	13.6	15.8	23.7	15.4	13.3
37.5°	7.9	8.6	12.9	8.6	7.5
40°	3.9	5.0	6.8	5.0	3.6
42.5°	1.4	2.5	3.6	2.5	1.4
45°	0.4	0.7	2.2	0.7	0.4
47.5°	0.0	0.0	1.1	0.0	0.0
50°	0.0	0.0	0.4	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
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)