

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: P1325381

Luminaire Tested: LDSQA3D05R55W2N902750DE010 3LSQCDR1MW\_3500K

Issue Date: 1/29/2026

**Test Information**

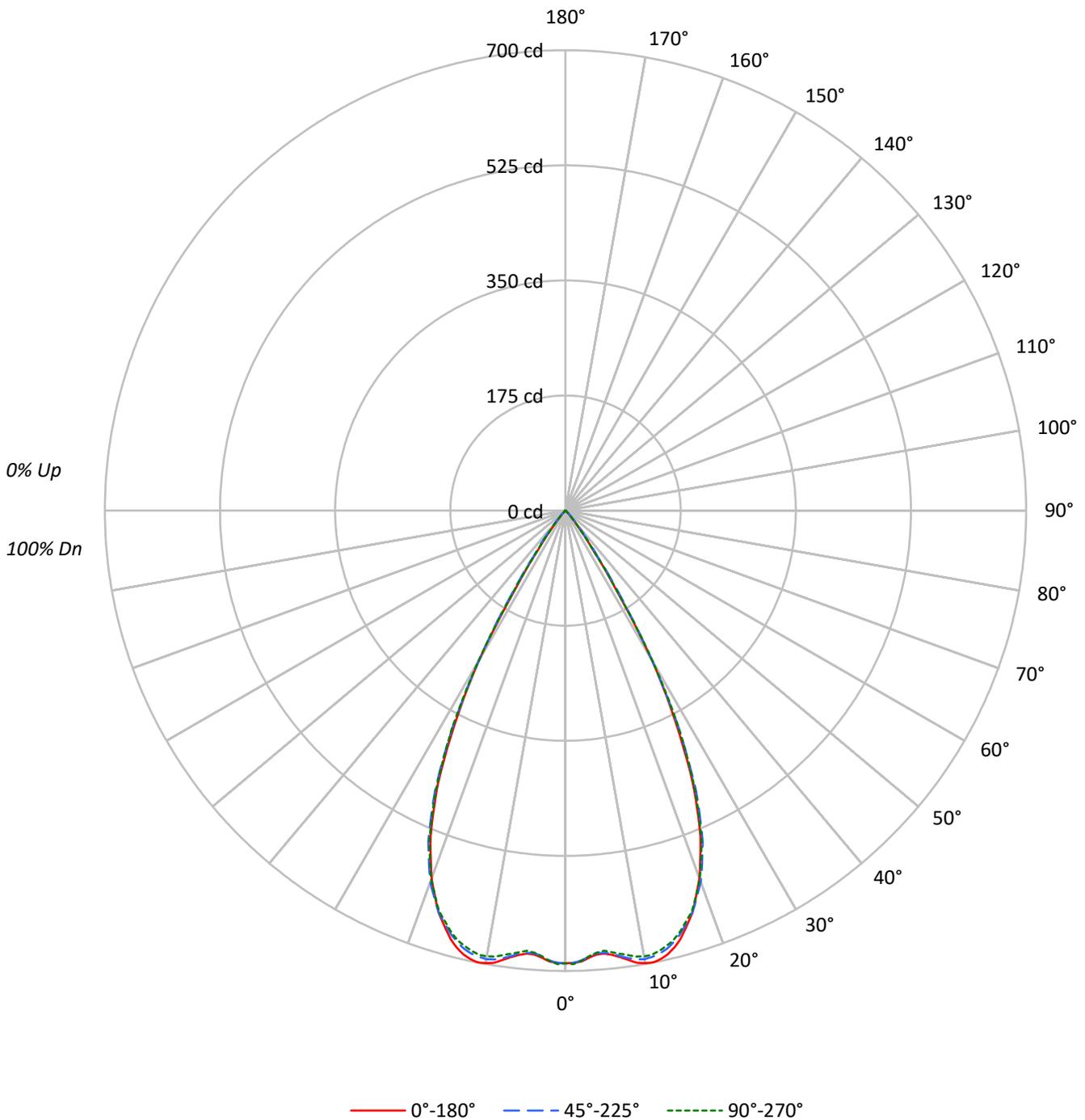
Test Method: LM-79-2019  
Report Number: P1325381  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R55W2N902750DE010 3LSQCDR1MW\_3500K  
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 3500K CCT AND, 90CRI ,  
3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 528.0 lumens  
Efficiency: N/A  
Efficacy: 89.5 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82  
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	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	91	91	91	89
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	88	86	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	81	81	81	79
5	95	88	82	79	94	87	82	78	85	81	78	83	80	77	82	79	76	76	76	76	75
6	91	83	78	74	90	82	77	74	81	76	73	79	76	73	78	75	72	72	72	72	71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	68	68	68	67
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	61	61	61	60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	58	58	58	57

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

	0°	45°	90°
0°	118575	118575	118575
5°	116885	116677	116124
10°	122171	121104	120335
15°	120262	119192	118675
20°	109049	110149	109342
25°	87203	89027	88191
30°	52302	52302	52938
35°	15117	17892	15621
40°	4339	5868	4339
45°	974	2241	974
50°	429	750	322
55°	360	360	360
60°	413	413	413
65°	326	326	326
70°	403	403	403
75°	266	266	266
80°	397	397	397
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 2241 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	65.3	12.4
10°-20°	186.1	35.2
20°-30°	205.0	38.8
30°-40°	62.7	11.9
40°-50°	6.2	1.2
50°-60°	1.1	0.2
60°-70°	0.9	0.2
70°-80°	0.5	0.1
80°-90°	0.2	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°	456.4	86.4
0°-40°	519.1	98.3
0°-60°	526.4	99.7
0°-90°	528.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	528.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	688	688	688	688	688	
5°	676	676	675	673	672	66
15°	674	673	668	666	666	187
25°	459	463	468	473	464	202
35°	72	76	85	78	74	59
45°	4	6	9	6	4	5
55°	1	1	1	1	1	1
65°	1	1	1	1	1	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°	688.5	688.5	688.5	688.5	688.5
1°	687.7	688.1	687.7	686.9	689.7
2°	686.1	685.7	684.5	684.1	685.3
3°	680.9	680.9	679.3	678.5	678.9
4°	676.9	676.9	674.5	673.7	674.1
5°	676.1	676.1	674.9	672.9	671.7
6°	679.3	680.1	677.3	675.3	675.3
7°	684.1	684.5	682.5	679.7	678.9
8°	690.1	690.5	687.3	684.1	682.5
9°	696.2	695.4	690.9	687.7	686.5
10°	698.6	698.2	692.5	689.3	688.1
11°	699.8	697.8	691.3	688.5	688.1
12°	697.0	695.4	688.5	685.7	684.5
13°	692.1	689.7	684.1	681.3	679.7
14°	684.5	682.1	676.9	673.7	674.1
15°	674.5	673.3	668.5	665.6	665.6
17.5°	641.2	642.0	640.8	639.5	638.7
20°	595.0	598.2	601.0	599.4	596.6
22.5°	536.0	541.6	544.8	545.6	540.4
25°	458.9	463.3	468.5	472.9	464.1
27.5°	362.9	366.9	371.8	374.6	373.4
30°	263.0	263.4	263.0	268.2	266.2
32.5°	146.1	158.2	160.2	163.8	151.0
35°	71.9	75.5	85.1	78.3	74.3
37.5°	34.5	36.9	46.2	37.7	36.1
40°	19.3	20.9	26.1	21.7	19.3
42.5°	9.2	12.0	14.1	12.4	9.2
45°	4.0	6.0	9.2	6.0	4.0
47.5°	1.6	2.4	5.6	2.4	1.6
50°	1.6	1.2	2.8	1.2	1.2
52.5°	1.2	1.2	1.6	1.2	1.2
55°	1.2	1.2	1.2	1.2	1.2
57.5°	1.2	1.2	1.2	1.2	1.2
60°	1.2	1.2	1.2	1.2	1.2
62.5°	0.8	1.2	1.2	1.2	0.8
65°	0.8	0.8	0.8	0.8	0.8
67.5°	0.8	0.8	0.8	0.8	0.8
70°	0.8	0.8	0.8	0.8	0.8
72.5°	0.4	0.8	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°	0.4	0.4	0.4	0.4	0.4
82.5°	0.4	0.4	0.4	0.4	0.4
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)