

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: P1325437

Luminaire Tested: LDSQA3D05R55W2N902765DE010 3LSQCDR1MW\_6500K

Issue Date: 1/29/2026

**Test Information**

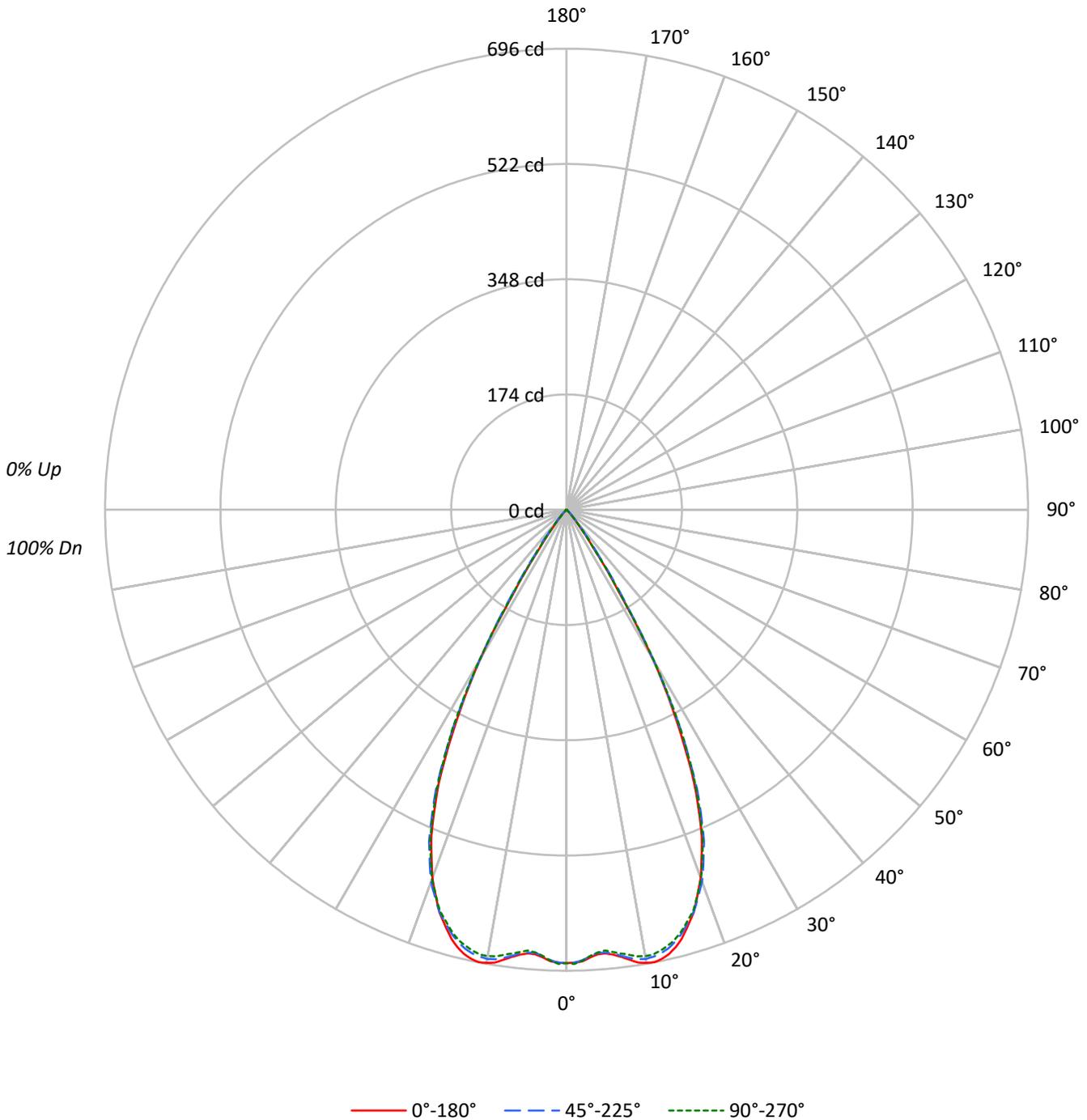
Test Method: LM-79-2019  
Report Number: P1325437  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R55W2N902765DE010 3LSQCDR1MW\_6500K  
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 6500K CCT AND, 90CRI ,  
3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 525.0 lumens  
Efficiency: N/A  
Efficacy: 89.0 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°	117904	117904	117904
5°	116210	116003	115450
10°	121471	120422	119653
15°	119567	118515	118015
20°	108426	109525	108719
25°	86709	88533	87697
30°	52003	52003	52640
35°	15033	17787	15537
40°	4317	5823	4317
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°	64.9	12.4
10°-20°	185.0	35.2
20°-30°	203.8	38.8
30°-40°	62.3	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°	453.8	86.4
0°-40°	516.1	98.3
0°-60°	523.4	99.7
0°-90°	525.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	525.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	685	685	685	685	685	
5°	672	672	671	669	668	65
15°	671	669	665	662	662	186
25°	456	461	466	470	462	201
35°	72	75	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°	684.6	684.6	684.6	684.6	684.6
1°	683.8	684.2	683.8	683.0	685.8
2°	682.2	681.8	680.6	680.2	681.4
3°	677.0	677.0	675.4	674.6	675.0
4°	673.0	673.0	670.6	669.8	670.2
5°	672.2	672.2	671.0	669.0	667.8
6°	675.4	676.2	673.4	671.4	671.4
7°	680.2	680.6	678.6	675.8	675.0
8°	686.2	686.6	683.4	680.2	678.6
9°	692.2	691.4	687.0	683.8	682.6
10°	694.6	694.2	688.6	685.4	684.2
11°	695.8	693.8	687.4	684.6	684.2
12°	693.0	691.4	684.6	681.8	680.6
13°	688.2	685.8	680.2	677.4	675.8
14°	680.6	678.2	673.0	669.8	670.2
15°	670.6	669.4	664.7	661.9	661.9
17.5°	637.5	638.3	637.1	635.9	635.1
20°	591.6	594.8	597.6	596.0	593.2
22.5°	532.9	538.5	541.7	542.5	537.3
25°	456.3	460.7	465.9	470.2	461.5
27.5°	360.9	364.9	369.7	372.4	371.2
30°	261.5	261.9	261.5	266.7	264.7
32.5°	145.3	157.3	159.3	162.9	150.1
35°	71.5	75.0	84.6	77.8	73.9
37.5°	34.3	36.7	45.9	37.5	35.9
40°	19.2	20.8	25.9	21.6	19.2
42.5°	9.2	12.0	14.0	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)