

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: P1327748

Luminaire Tested: LDSQA3D13R25W2N902750DE010 3LSQPHR1MW\_2700K

Issue Date: 1/29/2026

**Test Information**

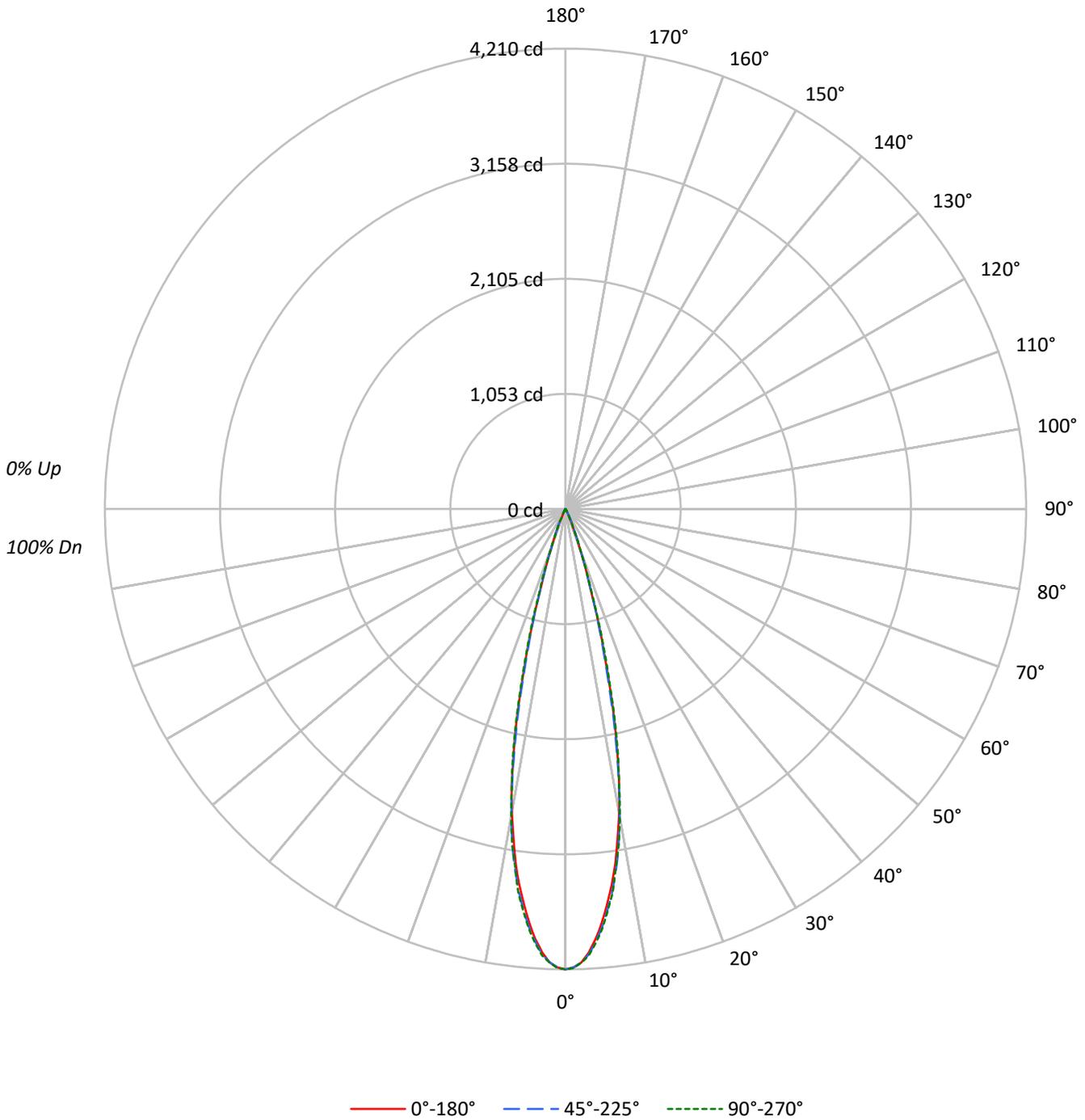
Test Method: LM-79-2019  
Report Number: P1327748  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R25W2N902750DE010 3LSQPHR1MW\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 2700K CCT AND, 90CRI ,  
3LSQPHR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 777.0 lumens  
Efficiency: N/A  
Efficacy: 63.2 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 12.3  
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	115	113	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	99	99	99	97
2	112	109	106	104	110	107	105	103	104	102	101	101	100	98	99	97	96	96	96	96	95
3	109	105	102	99	107	104	101	98	101	99	97	99	97	95	97	95	94	94	94	94	93
4	106	101	98	95	105	100	97	95	99	96	94	97	94	93	95	93	92	92	92	92	91
5	104	98	95	92	102	98	94	92	96	93	91	95	92	90	93	91	89	89	89	89	88
6	101	96	92	89	100	95	92	89	94	91	89	93	90	88	91	89	87	87	87	87	86
7	99	93	89	87	98	93	89	87	92	89	86	91	88	86	90	87	86	86	86	86	85
8	97	91	87	85	96	90	87	85	90	86	84	89	86	84	88	85	84	84	84	84	83
9	95	89	85	83	94	88	85	83	88	85	82	87	84	82	86	84	82	82	82	82	81
10	93	87	83	81	92	86	83	81	86	83	81	85	82	80	85	82	80	80	80	80	80

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

	0°	45°	90°
0°	725092	725092	725092
5°	657067	663066	666299
10°	493965	497480	499770
15°	244589	237297	253112
20°	69077	70213	70983
25°	11972	22651	14214
30°	4693	4813	4952
35°	1451	1598	1598
40°	472	629	472
45°	341	170	341
50°	188	0	188
55°	210	0	210
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: 0°  
 Vertical Angle: 45°  
 Luminance: 341 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	334.5	43.0
10°-20°	377.2	48.5
20°-30°	58.5	7.5
30°-40°	5.9	0.8
40°-50°	0.8	0.1
50°-60°	0.1	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°	770.1	99.1
0°-40°	776.1	99.9
0°-60°	777.0	100.0
0°-90°	777.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	777.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4210	4210	4210	4210	4210	
5°	3801	3808	3835	3851	3854	331
15°	1372	1362	1331	1390	1420	376
25°	63	94	119	91	75	53
35°	7	8	8	8	8	6
45°	1	1	1	1	1	1
55°	1	0	0	0	1	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°	4210.2	4210.2	4210.2	4210.2	4210.2
1°	4192.9	4198.4	4192.2	4199.1	4198.4
2°	4149.2	4154.8	4147.1	4151.3	4151.3
3°	4059.9	4071.6	4078.6	4083.4	4087.6
4°	3942.1	3955.2	3965.6	3978.1	3978.1
5°	3800.7	3807.7	3835.4	3850.6	3854.1
6°	3632.4	3660.1	3680.9	3711.4	3692.7
7°	3464.0	3486.9	3516.0	3520.8	3534.0
8°	3272.8	3297.1	3324.1	3319.2	3308.2
9°	3040.0	3075.4	3107.2	3096.8	3110.7
10°	2824.6	2846.1	2844.7	2834.3	2857.8
11°	2574.5	2579.3	2552.3	2594.6	2568.9
12°	2278.0	2282.1	2247.5	2289.0	2315.4
13°	1993.9	1984.2	1936.4	1991.1	2024.4
14°	1666.9	1670.4	1609.4	1715.4	1707.1
15°	1371.8	1362.1	1330.9	1390.5	1419.6
17.5°	730.9	737.1	729.5	759.3	778.0
20°	376.9	387.3	383.1	395.6	387.3
22.5°	195.4	209.9	214.1	204.4	178.1
25°	63.0	93.5	119.2	90.8	74.8
27.5°	38.1	37.4	58.2	40.2	40.9
30°	23.6	22.9	24.2	24.2	24.9
32.5°	13.2	13.9	13.2	14.5	13.9
35°	6.9	7.6	7.6	8.3	7.6
37.5°	4.2	4.8	4.8	4.8	4.2
40°	2.1	2.8	2.8	2.1	2.1
42.5°	1.4	1.4	1.4	1.4	1.4
45°	1.4	0.7	0.7	0.7	1.4
47.5°	0.7	0.7	0.0	0.7	0.7
50°	0.7	0.7	0.0	0.7	0.7
52.5°	0.7	0.0	0.0	0.0	0.7
55°	0.7	0.0	0.0	0.0	0.7
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)