

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: P1327762

Luminaire Tested: LDSQA3D13R25W2N902750DE010 3LSQPHRL1MMS\_5000K

Issue Date: 1/29/2026

**Test Information**

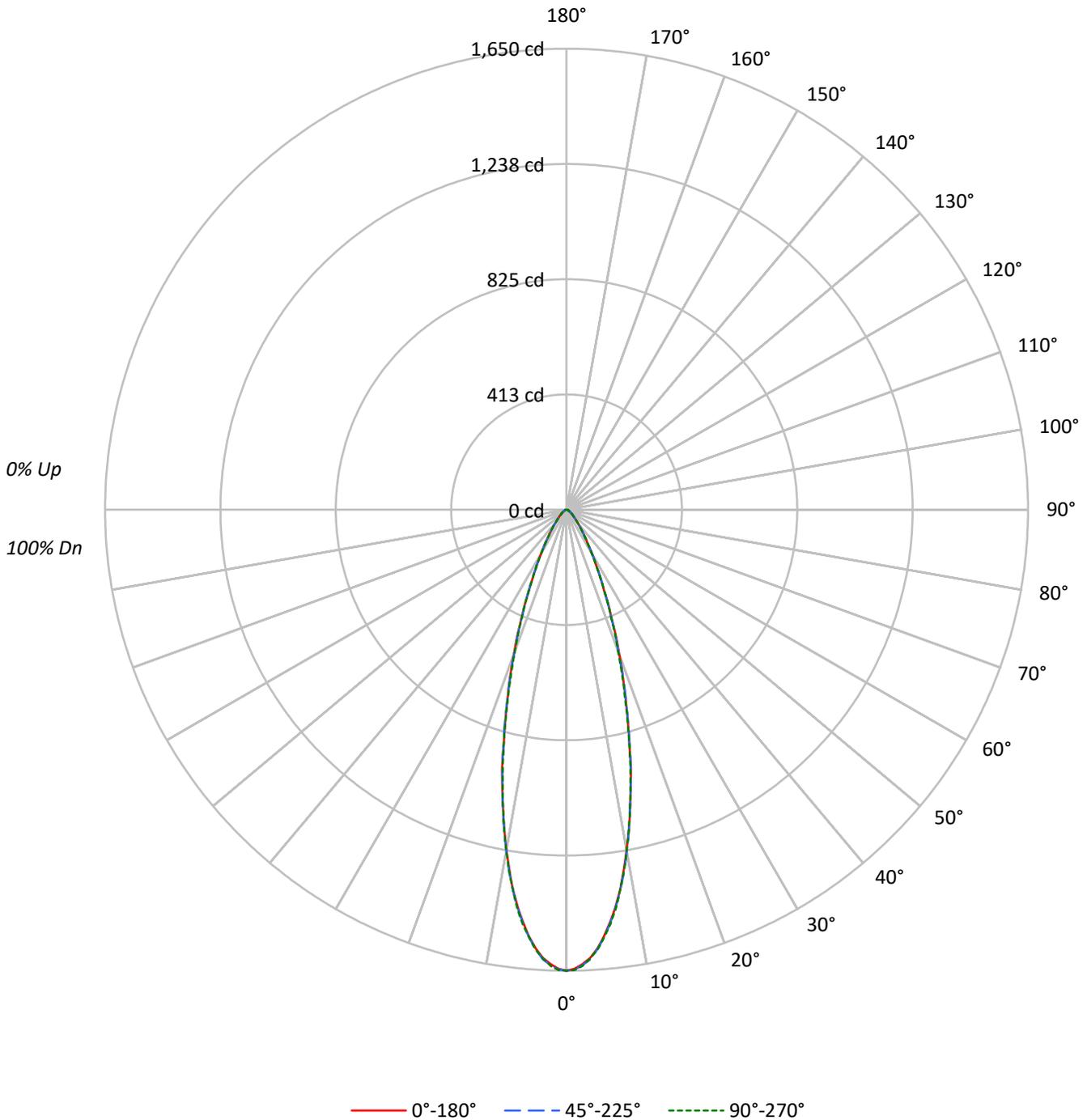
Test Method: LM-79-2019  
Report Number: P1327762  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R25W2N902750DE010 3LSQPHRL1MMS\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 5000K CCT AND, 90CRI ,  
3LSQPHRL1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 661.0 lumens  
Efficiency: N/A  
Efficacy: 53.7 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54  
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				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	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	93	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	85	82	80	79
5	95	87	82	78	93	86	81	78	85	80	77	83	79	76	82	78	76	82	78	76	74
6	91	83	78	74	90	82	77	73	81	76	73	79	76	72	78	75	72	78	75	72	71
7	87	79	74	70	86	78	73	70	77	73	69	76	72	69	75	71	69	75	71	69	67
8	84	76	70	67	83	75	70	66	74	69	66	73	69	66	72	68	66	72	68	66	64
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	69	66	63	62
10	78	69	64	61	77	69	64	61	68	64	61	67	63	60	67	63	60	67	63	60	59

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

	0°	45°	90°
0°	284116	284116	284116
5°	265181	265458	265596
10°	216308	216973	216973
15°	154495	155315	154495
20°	101113	100123	98712
25°	60124	60409	60124
30°	36213	36213	36054
35°	22055	22223	22055
40°	14051	14231	14231
45°	9767	9767	9767
50°	7020	7234	7234
55°	5555	5555	5795
60°	4512	4788	4788
65°	4075	4075	4075
70°	3474	3474	3877
75°	3061	3061	3593
80°	3075	3075	3075
85°	1581	1581	1581

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 9767 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	137.1	20.7
10°-20°	239.0	36.2
20°-30°	150.2	22.7
30°-40°	68.7	10.4
40°-50°	32.1	4.9
50°-60°	17.3	2.6
60°-70°	10.2	1.5
70°-80°	5.3	0.8
80°-90°	1.2	0.2
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°	526.3	79.6
0°-40°	595.0	90.0
0°-60°	644.3	97.5
0°-90°	661.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	661.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1650	1650	1650	1650	1650	
5°	1534	1537	1536	1537	1536	137
15°	866	872	871	873	866	239
25°	316	320	318	318	316	151
35°	105	105	106	106	105	69
45°	40	40	40	40	40	32
55°	18	18	18	19	19	17
65°	10	10	10	10	10	10
75°	5	5	5	5	5	5
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1649.7	1649.7	1649.7	1649.7	1649.7
1°	1642.7	1644.3	1645.8	1648.1	1647.4
2°	1627.3	1630.4	1631.2	1634.2	1633.5
3°	1606.5	1605.7	1611.9	1611.9	1608.0
4°	1574.1	1575.6	1577.1	1578.7	1579.5
5°	1533.9	1537.0	1535.5	1537.0	1536.3
6°	1484.6	1489.2	1488.4	1490.0	1492.3
7°	1432.1	1435.2	1435.2	1433.6	1439.8
8°	1375.0	1372.7	1376.5	1375.0	1374.2
9°	1307.1	1311.7	1312.5	1308.6	1310.2
10°	1236.9	1240.0	1240.7	1243.0	1240.7
11°	1167.4	1167.4	1169.0	1172.8	1166.7
12°	1091.8	1098.8	1091.8	1094.9	1091.8
13°	1020.1	1021.6	1020.1	1019.3	1013.9
14°	952.2	946.8	948.3	942.1	942.9
15°	866.5	871.9	871.1	872.7	866.5
17.5°	696.8	699.8	699.1	697.5	689.8
20°	551.7	551.7	546.3	543.2	538.6
22.5°	421.3	419.7	417.4	415.1	416.7
25°	316.4	320.2	317.9	317.9	316.4
27.5°	239.2	243.8	240.0	237.7	239.2
30°	182.1	183.6	182.1	181.3	181.3
32.5°	137.3	138.1	137.3	137.3	137.3
35°	104.9	104.9	105.7	105.7	104.9
37.5°	81.0	81.0	81.0	81.0	81.8
40°	62.5	63.3	63.3	63.3	63.3
42.5°	49.4	50.2	50.2	50.2	50.2
45°	40.1	40.1	40.1	40.1	40.1
47.5°	32.4	32.4	32.4	32.4	33.2
50°	26.2	27.0	27.0	27.0	27.0
52.5°	22.4	22.4	22.4	22.4	22.4
55°	18.5	18.5	18.5	19.3	19.3
57.5°	15.4	15.4	16.2	16.2	16.2
60°	13.1	13.9	13.9	13.9	13.9
62.5°	11.6	11.6	12.3	12.3	12.3
65°	10.0	10.0	10.0	10.0	10.0
67.5°	8.5	8.5	8.5	8.5	9.3
70°	6.9	6.9	6.9	7.7	7.7
72.5°	6.2	6.2	6.2	6.2	6.2
75°	4.6	4.6	4.6	5.4	5.4
77.5°	3.9	3.9	3.9	3.9	3.9
80°	3.1	3.1	3.1	3.1	3.1
82.5°	1.5	1.5	2.3	2.3	2.3
85°	0.8	0.8	0.8	0.8	0.8
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)