

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: P1324214

Luminaire Tested: LDSQA3D05R15W2N902750DE010 3LSQPHRL1MW\_5000K

Issue Date: 1/29/2026

**Test Information**

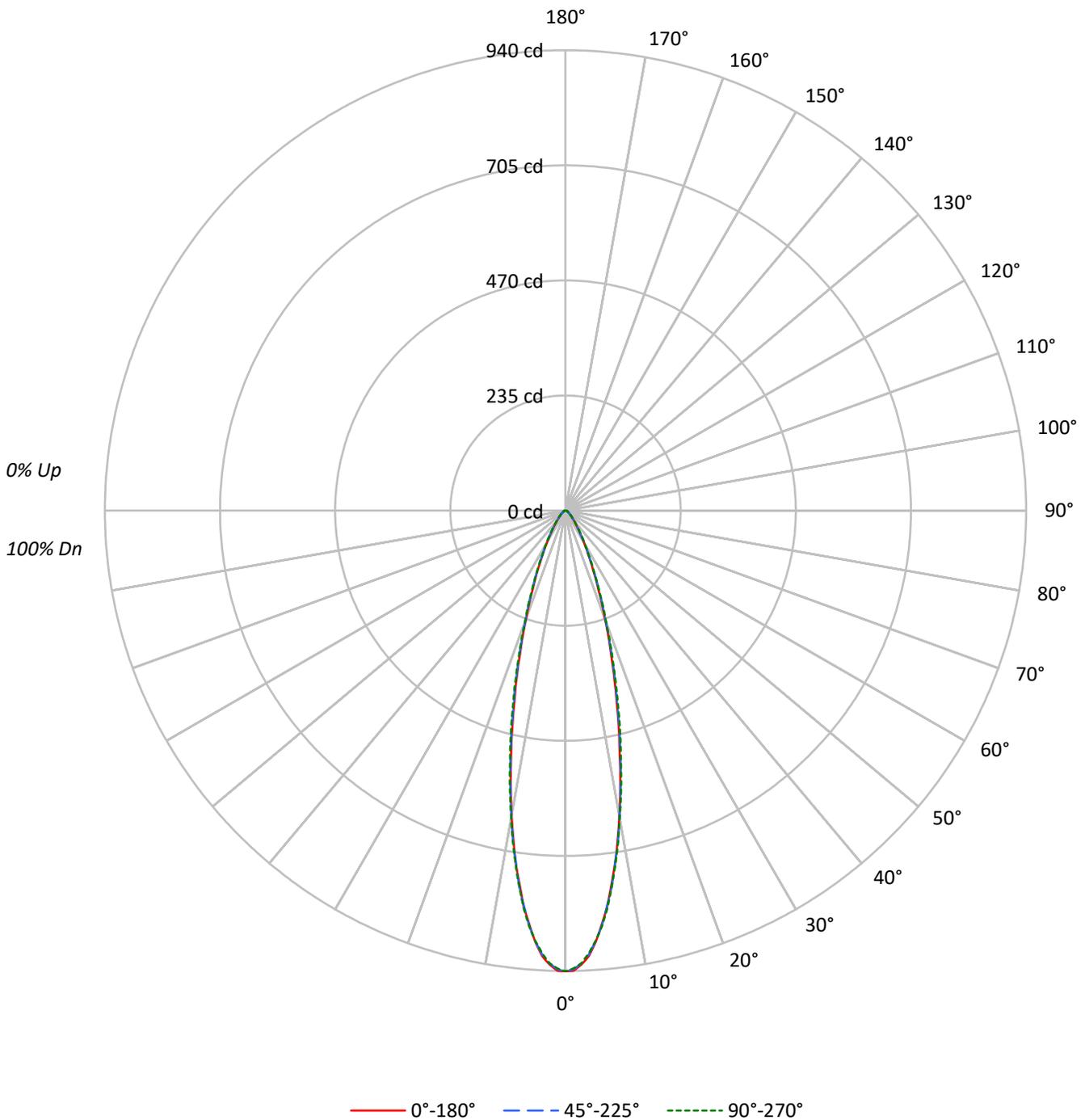
Test Method: LM-79-2019  
Report Number: P1324214  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R15W2N902750DE010 3LSQPHRL1MW\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 5000K CCT AND, 90CRI ,  
3LSQPHRL1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 311.0 lumens  
Efficiency: N/A  
Efficacy: 52.7 lumens/watt  
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48  
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				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	101	97	107	103	99	96	99	97	94	97	94	92	94	92	90	90	90	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	85	85	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	81	80
5	96	88	83	79	94	87	83	79	86	82	78	84	80	78	83	79	77	77	77	77	76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	73	73	73	72
7	88	80	75	71	87	80	75	71	79	74	71	77	74	71	76	73	70	70	70	70	69
8	85	77	72	68	84	76	72	68	75	71	68	74	70	68	74	70	67	67	67	67	66
9	82	74	69	65	81	73	69	65	73	68	65	72	68	65	71	67	65	65	65	65	64
10	79	71	66	63	78	71	66	63	70	66	63	69	65	62	69	65	62	62	62	62	61

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

	0°	45°	90°
0°	161958	161958	161958
5°	146706	146983	147190
10°	110769	111031	111591
15°	71836	72621	74047
20°	43253	43766	44353
25°	25274	25806	26186
30°	14855	15333	15571
35°	9146	9482	9650
40°	6025	6205	6295
45°	4189	4287	4384
50°	3108	3215	3322
55°	2522	2642	2642
60°	2204	2204	2204
65°	1956	1956	1956
70°	1611	1813	1813
75°	1597	1597	1597
80°	1190	1587	1587
85°	790	790	790

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°  
 Vertical Angle: 45°  
 Luminance: 4384 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	74.1	23.8
10°-20°	113.3	36.4
20°-30°	64.4	20.7
30°-40°	29.4	9.4
40°-50°	14.1	4.5
50°-60°	7.9	2.5
60°-70°	4.8	1.6
70°-80°	2.6	0.8
80°-90°	0.6	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°	251.7	80.9
0°-40°	281.1	90.4
0°-60°	303.1	97.4
0°-90°	311.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	311.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	940	940	940	940	940	
5°	849	848	850	850	851	74
15°	403	405	407	413	415	112
25°	133	133	136	137	138	63
35°	44	44	45	46	46	29
45°	17	17	18	18	18	14
55°	8	8	9	9	9	8
65°	5	5	5	5	5	5
75°	2	2	2	2	2	2
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°	940.4	940.4	940.4	940.4	940.4
1°	939.6	937.2	936.5	936.1	935.3
2°	927.7	925.7	925.3	925.3	924.9
3°	910.9	907.3	907.7	906.5	905.3
4°	882.5	880.9	881.7	882.5	880.9
5°	848.6	848.2	850.2	850.2	851.4
6°	813.5	813.1	811.9	815.1	816.6
7°	768.7	771.1	774.3	772.7	773.9
8°	728.0	725.2	726.4	730.4	730.8
9°	680.1	678.1	683.3	684.9	685.3
10°	633.4	635.3	634.9	640.5	638.1
12.5°	511.6	514.7	518.3	520.7	523.1
15°	402.9	404.9	407.3	412.9	415.3
17.5°	309.9	312.3	314.7	319.5	320.3
20°	236.0	237.2	238.8	243.2	242.0
22.5°	176.5	178.5	180.1	182.1	183.3
25°	133.0	133.0	135.8	137.0	137.8
27.5°	99.0	99.8	101.8	103.4	103.0
30°	74.7	75.9	77.1	77.9	78.3
32.5°	57.5	57.5	58.7	59.9	60.3
35°	43.5	44.3	45.1	45.9	45.9
37.5°	33.9	34.3	35.1	35.5	35.5
40°	26.8	26.8	27.6	28.0	28.0
42.5°	21.2	21.6	22.0	22.4	22.4
45°	17.2	17.2	17.6	18.0	18.0
47.5°	14.0	14.0	14.4	14.8	14.8
50°	11.6	12.0	12.0	12.4	12.4
52.5°	10.0	10.0	10.0	10.4	10.4
55°	8.4	8.4	8.8	8.8	8.8
57.5°	7.2	7.2	7.2	7.6	7.6
60°	6.4	6.4	6.4	6.4	6.4
62.5°	5.6	5.6	5.6	5.6	5.6
65°	4.8	4.8	4.8	4.8	4.8
67.5°	4.0	4.0	4.0	4.4	4.4
70°	3.2	3.6	3.6	3.6	3.6
72.5°	2.8	2.8	2.8	2.8	2.8
75°	2.4	2.4	2.4	2.4	2.4
77.5°	2.0	2.0	2.0	2.0	2.0
80°	1.2	1.6	1.6	1.6	1.6
82.5°	0.8	0.8	0.8	0.8	0.8
85°	0.4	0.4	0.4	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)