

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: P1324212

Luminaire Tested: LDSQA3D05R15W2N902750DE010 3LSQPHRL1MW\_3500K

Issue Date: 1/29/2026

**Test Information**

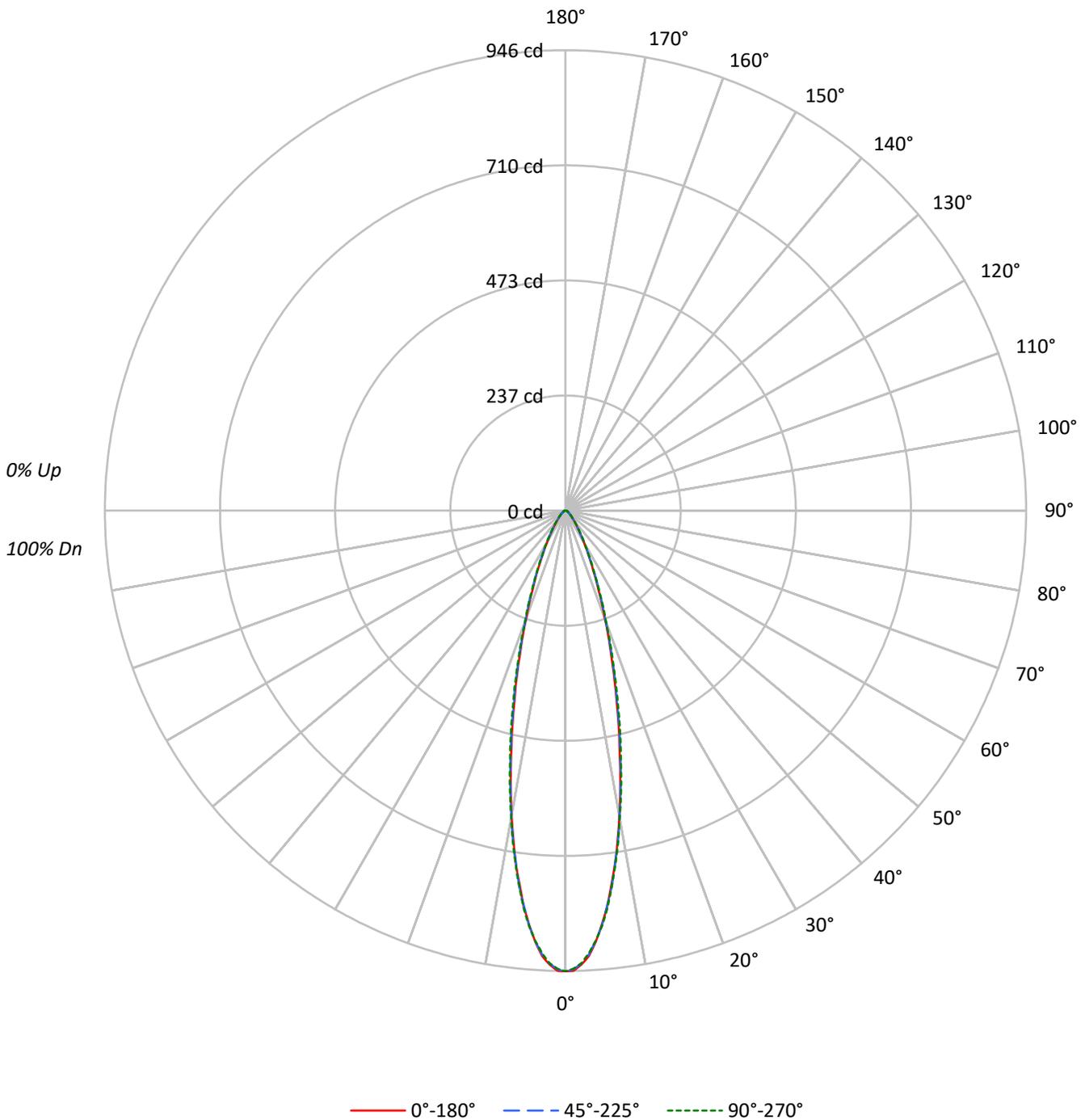
Test Method: LM-79-2019  
Report Number: P1324212  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R15W2N902750DE010 3LSQPHRL1MW\_3500K  
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 3500K CCT AND, 90CRI ,  
3LSQPHRL1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 313.0 lumens  
Efficiency: N/A  
Efficacy: 53.0 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				
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	100	100	100	100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94	94	94	94
2	109	104	101	97	107	103	99	96	99	97	94	97	94	92	94	92	90	89	89	89	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	84	84	84	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	80	80	80	80
5	96	88	83	79	94	87	83	79	86	82	78	84	80	78	83	80	77	76	76	76	76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	72	72	72	72
7	88	80	75	71	87	80	75	71	79	74	71	77	74	71	76	73	70	69	69	69	69
8	85	77	72	68	84	76	72	68	75	71	68	74	71	68	74	70	67	66	66	66	66
9	82	74	69	65	81	73	69	65	73	68	65	72	68	65	71	67	65	64	64	64	64
10	79	71	66	63	78	71	66	63	70	66	63	69	65	62	69	65	62	61	61	61	61

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

	0°	45°	90°
0°	163009	163009	163009
5°	147657	147934	148141
10°	111468	111748	112308
15°	72300	73084	74529
20°	43528	44041	44646
25°	25426	25958	26357
30°	14955	15432	15671
35°	9209	9545	9713
40°	6048	6228	6317
45°	4214	4311	4408
50°	3135	3242	3349
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: 4408 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	74.6	23.8
10°-20°	114.0	36.4
20°-30°	64.8	20.7
30°-40°	29.6	9.4
40°-50°	14.2	4.5
50°-60°	7.9	2.5
60°-70°	4.8	1.5
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°	253.3	81.0
0°-40°	282.9	90.4
0°-60°	305.0	97.5
0°-90°	313.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	313.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	946	946	946	946	946	
5°	854	854	856	856	857	74
15°	406	408	410	416	418	113
25°	134	134	137	138	139	63
35°	44	45	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	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	946.5	946.5	946.5	946.5	946.5
1°	945.7	943.3	942.5	942.1	941.3
2°	933.6	931.6	931.2	931.2	930.8
3°	916.8	913.1	913.5	912.3	911.1
4°	888.2	886.6	887.4	888.2	886.6
5°	854.1	853.7	855.7	855.7	856.9
6°	818.7	818.3	817.1	820.3	821.9
7°	773.7	776.1	779.3	777.7	778.9
8°	732.7	729.9	731.1	735.1	735.5
9°	684.4	682.4	687.7	689.3	689.7
10°	637.4	639.4	639.0	644.7	642.2
12.5°	514.8	518.1	521.7	524.1	526.5
15°	405.5	407.5	409.9	415.6	418.0
17.5°	311.9	314.3	316.7	321.5	322.3
20°	237.5	238.7	240.3	244.8	243.6
22.5°	177.6	179.7	181.3	183.3	184.5
25°	133.8	133.8	136.6	137.9	138.7
27.5°	99.7	100.5	102.5	104.1	103.7
30°	75.2	76.4	77.6	78.4	78.8
32.5°	57.9	57.9	59.1	60.3	60.7
35°	43.8	44.6	45.4	46.2	46.2
37.5°	34.2	34.6	35.4	35.8	35.8
40°	26.9	26.9	27.7	28.1	28.1
42.5°	21.3	21.7	22.1	22.5	22.5
45°	17.3	17.3	17.7	18.1	18.1
47.5°	14.1	14.1	14.5	14.9	14.9
50°	11.7	12.1	12.1	12.5	12.5
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)