

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: P1324561

Luminaire Tested: LDSQA3D05R25W2N902750DE010 3LSQPHRLP1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324561
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R25W2N902750DE010 3LSQPHRLP1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 2700K CCT AND, 90CRI ,
3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

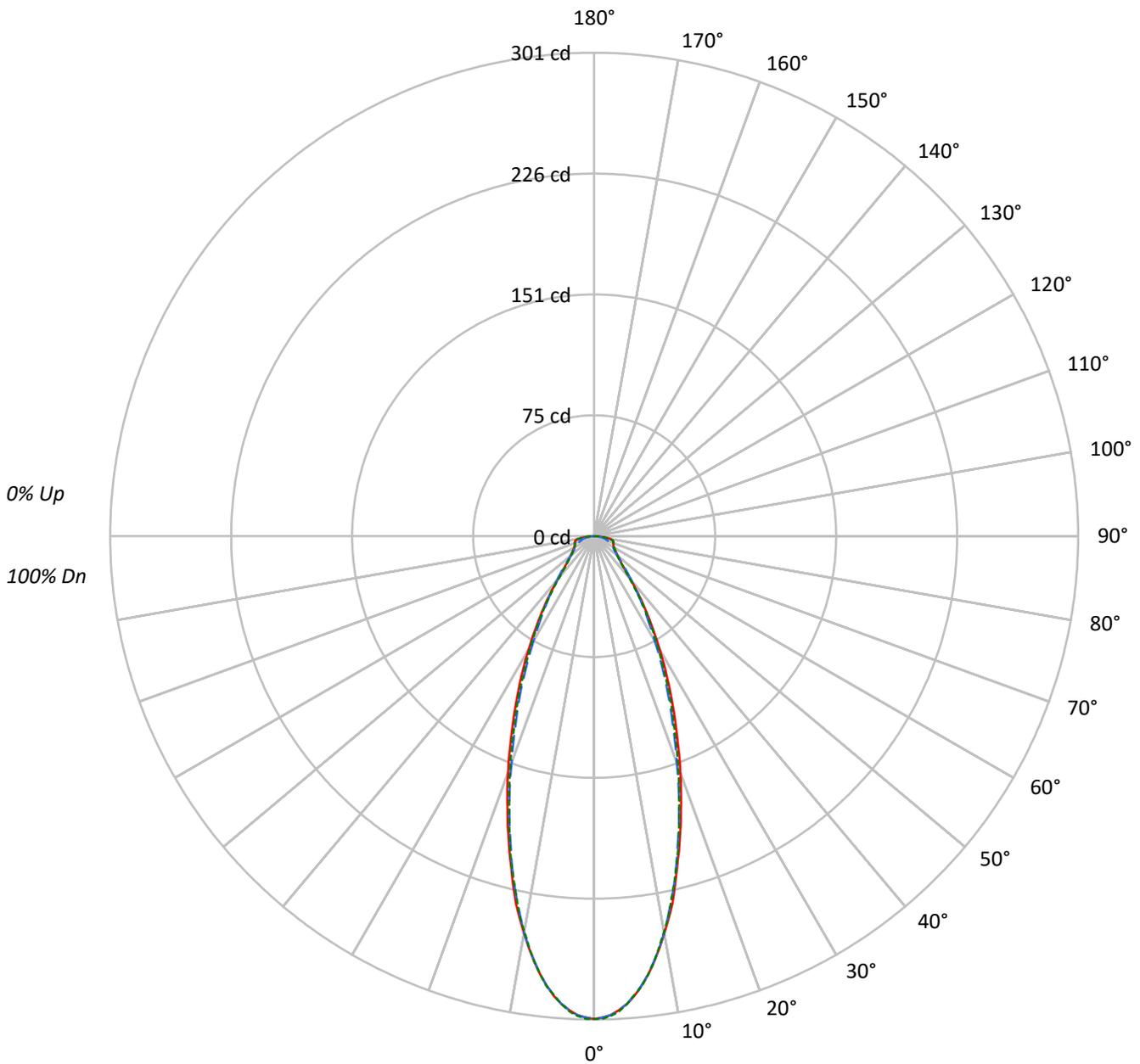
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 227.0 lumens
Efficiency: N/A
Efficacy: 38.5 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
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



— 0°-180° - - 45°-225° ···· 90°-270°



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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	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	91	91	91	89
2	104	98	92	88	102	96	91	87	93	89	85	89	86	83	87	84	81	81	81	81	80
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	74	74	74	72
4	92	83	76	71	90	81	75	70	79	74	69	77	72	69	75	71	68	68	68	68	66
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	63	63	63	63	61
6	82	72	65	60	80	71	64	59	69	63	59	68	62	59	66	62	58	58	58	58	56
7	78	67	60	55	76	66	60	55	65	59	55	64	58	55	62	58	54	54	54	54	53
8	74	63	56	52	72	62	56	52	61	55	51	60	55	51	59	54	51	51	51	51	49
9	70	60	53	49	69	59	53	48	58	52	48	57	52	48	56	51	48	48	48	48	46
10	67	56	50	46	66	56	50	46	55	49	46	54	49	45	53	49	45	45	45	45	44

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	51770	51770	51770
5°	49669	49599	49599
10°	43912	43842	43720
15°	36266	35749	35945
20°	28719	27546	28004
25°	21872	20713	21264
30°	16128	14975	15611
35°	11542	11017	11164
40°	7891	8071	7666
45°	5845	6211	5772
50°	5091	5091	5010
55°	4834	4624	4834
60°	4926	4581	4926
65°	5420	4686	5420
70°	6496	4683	6345
75°	8118	4991	8118
80°	10315	5356	9620
85°	8497	4940	8497

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 10315 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.2	11.6
10°-20°	55.7	24.5
20°-30°	51.1	22.5
30°-40°	33.7	14.8
40°-50°	19.6	8.6
50°-60°	14.3	6.3
60°-70°	12.2	5.4
70°-80°	10.1	4.4
80°-90°	4.2	1.8
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°	133.0	58.6
0°-40°	166.7	73.4
0°-60°	200.6	88.4
0°-90°	227.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	227.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	301	301	301	301	301	
5°	287	287	287	287	287	26
15°	203	203	200	201	202	56
25°	115	112	109	109	112	53
35°	55	54	52	52	53	35
45°	24	25	26	24	24	19
55°	16	16	15	16	16	15
65°	13	12	12	12	13	13
75°	12	9	8	9	12	13
85°	4	5	2	5	4	5
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	300.6	300.6	300.6	300.6	300.6
1°	299.8	299.8	299.8	299.8	300.6
2°	298.4	298.1	298.4	298.4	298.8
3°	295.5	295.5	295.5	295.5	296.3
4°	292.0	292.0	292.0	292.0	292.0
5°	287.3	286.9	286.9	287.3	286.9
6°	281.6	281.6	281.6	281.6	281.9
7°	275.1	274.7	274.7	274.4	275.1
8°	267.6	267.6	267.2	266.8	267.6
9°	259.7	260.0	259.3	259.0	259.0
10°	251.1	250.7	250.7	250.7	250.0
11°	242.5	241.4	241.0	241.0	241.7
12°	233.9	232.1	231.3	231.3	231.3
13°	223.5	222.7	221.7	220.9	221.3
14°	213.0	213.0	211.3	211.3	212.0
15°	203.4	202.6	200.5	201.2	201.6
17.5°	179.3	177.9	175.4	175.4	175.7
20°	156.7	154.2	150.3	152.1	152.8
22.5°	134.5	132.0	128.0	129.8	130.6
25°	115.1	111.9	109.0	109.4	111.9
27.5°	97.6	94.0	91.1	92.2	93.6
30°	81.1	78.9	75.3	77.1	78.5
32.5°	67.1	65.3	62.8	63.8	65.3
35°	54.9	53.8	52.4	52.4	53.1
37.5°	44.5	44.1	43.4	43.0	42.7
40°	35.1	35.9	35.9	35.1	34.1
42.5°	28.7	29.4	30.1	28.7	27.6
45°	24.0	24.7	25.5	24.0	23.7
47.5°	21.2	21.5	21.9	21.2	20.8
50°	19.0	19.0	19.0	18.7	18.7
52.5°	17.6	17.2	16.9	17.2	17.2
55°	16.1	16.1	15.4	15.8	16.1
57.5°	15.1	14.7	14.3	14.7	15.1
60°	14.3	13.6	13.3	13.6	14.3
62.5°	13.6	12.9	12.2	12.9	13.6
65°	13.3	12.2	11.5	12.2	13.3
67.5°	12.9	11.5	10.4	11.5	12.9
70°	12.9	10.8	9.3	10.8	12.6
72.5°	12.6	10.0	8.6	10.0	12.6
75°	12.2	9.3	7.5	9.3	12.2
77.5°	11.8	8.6	6.5	8.6	11.5
80°	10.4	7.9	5.4	7.9	9.7
82.5°	7.5	6.5	4.3	6.5	7.2
85°	4.3	4.7	2.5	4.7	4.3
87.5°	0.7	1.1	0.7	1.8	1.4



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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)