

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: P1324563

Luminaire Tested: LDSQA3D05R25W2N902750DE010 3LSQPHRLP1MW_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324563
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_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 3500K CCT AND, 90CRI ,
3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

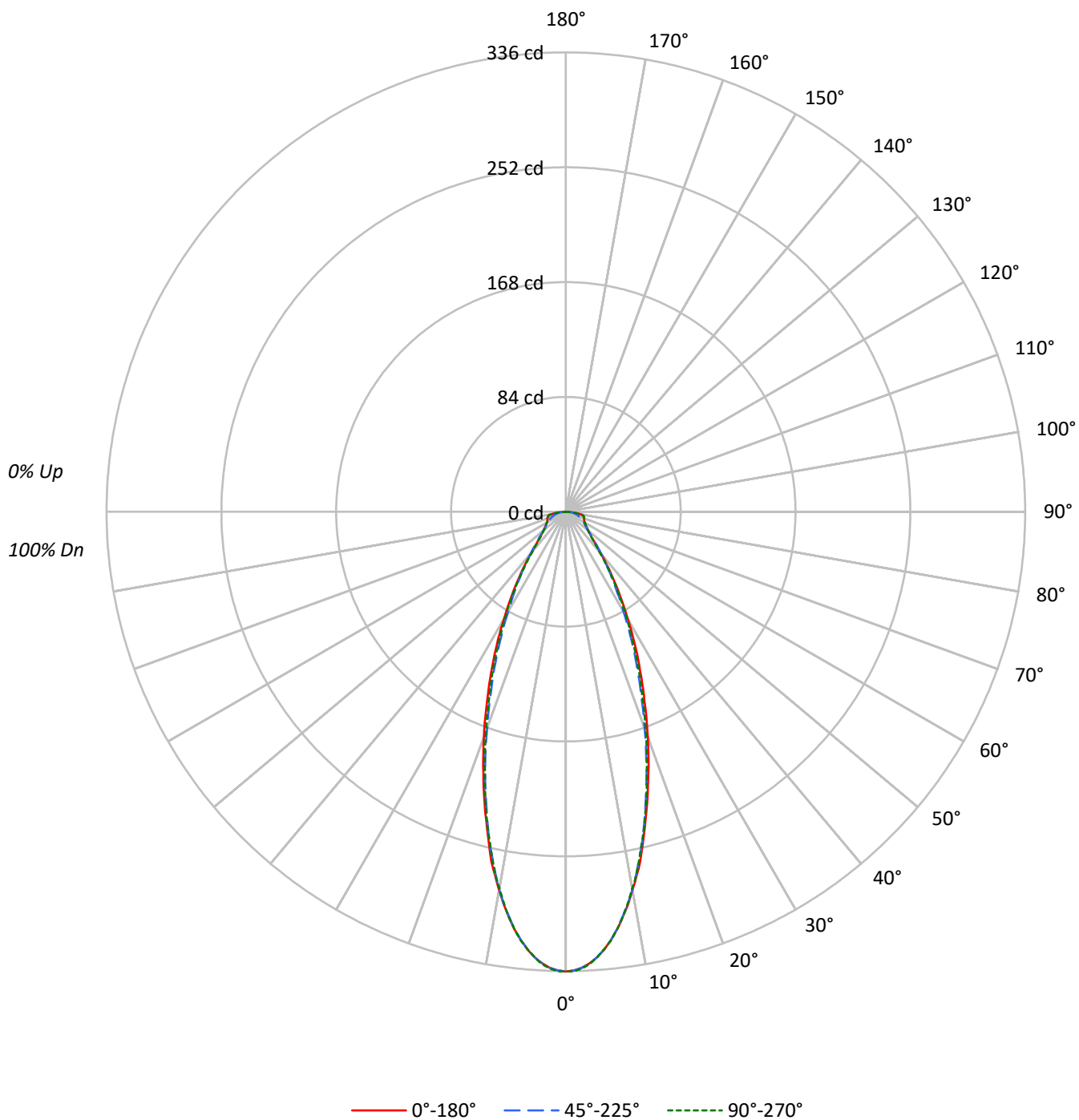
Lumens per Lamp: N/A
Luminaire Lumens: 254.0 lumens
Efficiency: N/A
Efficacy: 43.0 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89		
2	104	98	92	88	102	96	91	87	93	89	85	89	86	83	87	84	81	80		
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72		
4	92	83	76	71	90	81	75	70	79	74	69	77	72	69	75	71	68	66		
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	63	61		
6	82	72	65	60	80	71	64	59	69	63	59	68	62	59	66	62	58	56		
7	78	67	60	55	76	66	60	55	65	59	55	64	58	55	63	58	54	53		
8	74	63	56	52	72	62	56	52	61	55	51	60	55	51	59	54	51	49		
9	70	60	53	49	69	59	53	48	58	52	48	57	52	48	56	51	48	46		
10	67	56	50	46	66	56	50	46	55	49	46	54	49	45	53	49	45	44		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	57918	57918	57918
5°	55581	55512	55512
10°	49124	49054	48914
15°	40581	39992	40206
20°	32147	30827	31340
25°	24475	23183	23791
30°	18037	16764	17480
35°	12909	12320	12489
40°	8835	9015	8566
45°	6552	6941	6454
50°	5707	5707	5600
55°	5435	5195	5435
60°	5546	5098	5546
65°	6031	5216	6031
70°	7251	5237	7050
75°	9050	5590	9050
80°	11505	5951	10711
85°	9485	5533	9485

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 11505 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.4	11.6
10°-20°	62.4	24.6
20°-30°	57.1	22.5
30°-40°	37.7	14.8
40°-50°	21.9	8.6
50°-60°	16.1	6.3
60°-70°	13.6	5.3
70°-80°	11.2	4.4
80°-90°	4.6	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°	148.9	58.6
0°-40°	186.5	73.5
0°-60°	224.5	88.4
0°-90°	254.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	254.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	336	336	336	336	336	
5°	322	321	321	322	321	29
15°	228	227	224	225	226	63
25°	129	125	122	122	125	59
35°	61	60	59	59	59	39
45°	27	28	28	27	26	22
55°	18	18	17	18	18	16
65°	15	14	13	14	15	15
75°	14	10	8	10	14	14
85°	5	5	3	5	5	5
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	336.3	336.3	336.3	336.3	336.3
1°	335.5	335.5	335.5	335.5	336.3
2°	333.9	333.5	333.9	333.9	334.3
3°	330.7	330.7	330.7	330.7	331.5
4°	326.7	326.7	326.7	326.7	326.7
5°	321.5	321.1	321.1	321.5	321.1
6°	315.0	315.0	315.0	315.0	315.4
7°	307.8	307.4	307.4	307.0	307.8
8°	299.4	299.4	299.0	298.6	299.4
9°	290.6	291.0	290.2	289.8	289.8
10°	280.9	280.5	280.5	280.5	279.7
11°	271.3	270.1	269.7	269.7	270.5
12°	261.7	259.7	258.9	258.9	258.9
13°	250.0	249.2	248.0	247.2	247.6
14°	238.4	238.4	236.4	236.4	237.2
15°	227.6	226.8	224.3	225.1	225.5
17.5°	200.7	199.1	196.3	196.3	196.7
20°	175.4	172.6	168.2	170.2	171.0
22.5°	150.5	147.7	143.3	145.3	146.1
25°	128.8	125.2	122.0	122.4	125.2
27.5°	109.2	105.1	101.9	103.1	104.7
30°	90.7	88.3	84.3	86.3	87.9
32.5°	75.0	73.0	70.2	71.4	73.0
35°	61.4	60.2	58.6	58.6	59.4
37.5°	49.8	49.4	48.6	48.2	47.8
40°	39.3	40.1	40.1	39.3	38.1
42.5°	32.1	32.9	33.7	32.1	30.9
45°	26.9	27.7	28.5	26.9	26.5
47.5°	23.7	24.1	24.5	23.7	23.3
50°	21.3	21.3	21.3	20.9	20.9
52.5°	19.7	19.3	18.9	19.3	19.3
55°	18.1	18.1	17.3	17.7	18.1
57.5°	16.9	16.5	16.1	16.5	16.9
60°	16.1	15.3	14.8	15.3	16.1
62.5°	15.3	14.4	13.6	14.4	15.3
65°	14.8	13.6	12.8	13.6	14.8
67.5°	14.4	12.8	11.6	12.8	14.4
70°	14.4	12.0	10.4	12.0	14.0
72.5°	14.0	11.2	9.6	11.2	14.0
75°	13.6	10.4	8.4	10.4	13.6
77.5°	13.2	9.6	7.2	9.6	12.8
80°	11.6	8.8	6.0	8.8	10.8
82.5°	8.4	7.2	4.8	7.2	8.0
85°	4.8	5.2	2.8	5.2	4.8
87.5°	0.8	1.2	0.8	2.0	1.6



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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)