

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: P1324560

Luminaire Tested: LDSQA3D05R25W2N902750DE010 3LSQPHRLD1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324560
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R25W2N902750DE010 3LSQPHRLD1MW_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 5000K CCT AND, 90CRI ,
3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

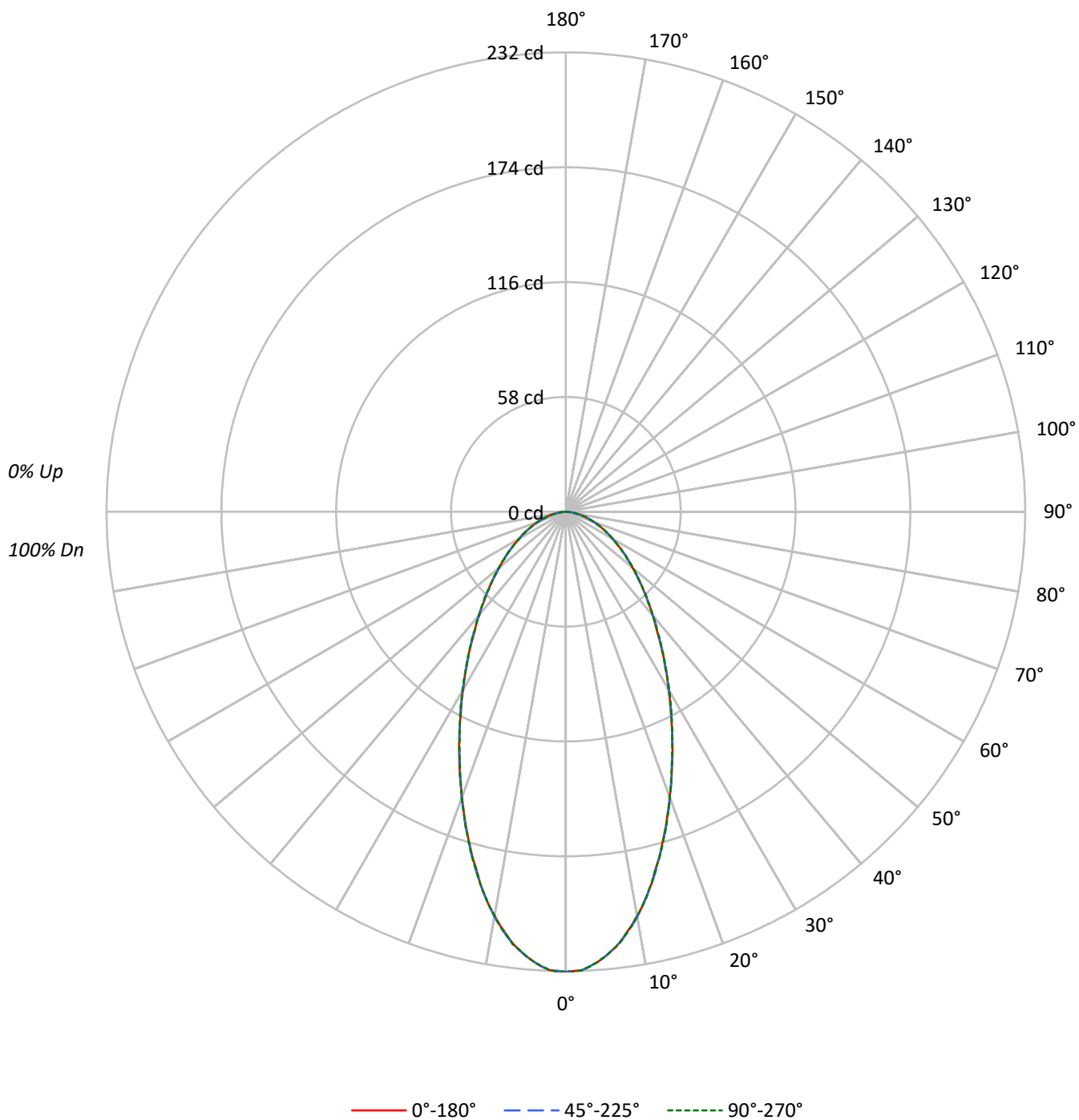
Lumens per Lamp: N/A
Luminaire Lumens: 291.1 lumens
Efficiency: N/A
Efficacy: 49.3 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	111	107	103	100	108	105	102	99	101	98	96		97	95	93		93
2	103	96	90	86	100	94	89	85	91	86	83		88	84	81		85
3	95	87	80	74	93	85	79	74	82	77	72		80	75	71		77
4	89	79	71	65	87	77	70	65	75	69	64		73	68	63		71
5	83	72	64	58	81	71	63	58	69	62	58		67	61	57		65
6	77	66	58	53	76	65	58	52	63	57	52		62	56	52		60
7	73	61	53	48	71	60	53	48	59	52	47		57	51	47		56
8	68	56	49	44	67	56	49	44	55	48	44		53	48	43		52
9	64	53	45	40	63	52	45	40	51	45	40		50	44	40		49
10	61	49	42	37	60	49	42	37	48	42	37		47	41	37		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	40025	40025	40025
5°	39002	39002	39002
10°	36253	36322	36253
15°	32325	32397	32397
20°	28114	28188	28114
25°	24209	24133	24133
30°	20642	20722	20801
35°	17724	17724	17808
40°	15355	15355	15355
45°	13420	13420	13420
50°	11762	11762	11869
55°	10539	10539	10539
60°	9369	9369	9369
65°	8476	8476	8476
70°	7654	7452	7654
75°	6920	6654	6654
80°	5554	5554	5554
85°	3952	3952	3952

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13420 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.0	7.2
10°-20°	50.6	17.4
20°-30°	58.5	20.1
30°-40°	53.0	18.2
40°-50°	42.7	14.7
50°-60°	31.5	10.8
60°-70°	20.7	7.1
70°-80°	10.7	3.7
80°-90°	2.4	0.8
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°	130.0	44.7
0°-40°	183.0	62.9
0°-60°	257.2	88.4
0°-90°	291.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	291.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	232	232	232	232	232	
5°	226	226	226	226	226	21
15°	181	182	182	181	182	51
25°	127	127	127	127	127	58
35°	84	84	84	84	85	53
45°	55	55	55	55	55	43
55°	35	35	35	35	35	32
65°	21	21	21	21	21	21
75°	10	10	10	10	10	11
85°	2	2	2	2	2	3
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	232.4	232.4	232.4	232.4	232.4
1°	232.0	232.8	232.0	232.0	232.4
2°	231.6	232.0	231.6	231.6	231.6
3°	230.0	230.8	230.0	230.0	230.0
4°	228.0	228.8	228.0	228.0	228.0
5°	225.6	226.4	225.6	225.6	225.6
6°	222.8	223.2	222.8	222.8	222.8
7°	219.7	220.1	219.7	219.7	220.1
8°	215.7	216.1	216.1	215.7	215.7
9°	211.7	212.1	212.1	211.7	212.1
10°	207.3	207.7	207.7	207.3	207.3
11°	202.9	203.3	202.5	202.5	202.9
12°	197.7	198.1	197.7	197.7	197.7
13°	192.5	192.5	192.5	192.5	192.5
14°	186.5	187.3	187.3	186.9	186.5
15°	181.3	181.7	181.7	181.3	181.7
17.5°	167.3	168.1	167.7	167.7	167.7
20°	153.4	153.8	153.8	153.4	153.4
22.5°	140.2	139.8	139.8	139.8	139.8
25°	127.4	127.0	127.0	127.4	127.0
27.5°	115.0	115.4	115.4	115.0	115.4
30°	103.8	103.8	104.2	103.8	104.6
32.5°	93.9	93.9	93.5	93.9	93.9
35°	84.3	84.3	84.3	84.3	84.7
37.5°	75.5	75.9	76.3	76.3	75.9
40°	68.3	68.3	68.3	68.3	68.3
42.5°	61.1	61.1	61.5	61.5	61.5
45°	55.1	55.1	55.1	55.1	55.1
47.5°	49.5	49.5	49.1	49.1	49.5
50°	43.9	44.3	43.9	43.9	44.3
52.5°	39.5	39.1	39.1	39.5	39.5
55°	35.1	35.1	35.1	34.7	35.1
57.5°	31.2	31.2	30.8	30.8	30.8
60°	27.2	27.2	27.2	27.2	27.2
62.5°	24.0	24.0	24.0	24.0	24.0
65°	20.8	20.8	20.8	20.8	20.8
67.5°	18.0	18.0	18.0	18.0	17.6
70°	15.2	15.2	14.8	14.8	15.2
72.5°	12.4	12.4	12.4	12.4	12.4
75°	10.4	10.0	10.0	10.0	10.0
77.5°	8.0	8.0	7.6	8.0	7.6
80°	5.6	5.6	5.6	5.6	5.6
82.5°	4.0	3.6	3.6	3.6	3.6
85°	2.0	2.0	2.0	2.0	2.0
87.5°	0.4	0.4	0.4	0.4	0.8



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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)