

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: P1324554

Luminaire Tested: LDSQA3D05R25W2N902750DE010 3LSQPHRL1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324554
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R25W2N902750DE010 3LSQPHRL1MW_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 4000K CCT AND, 90CRI ,
3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

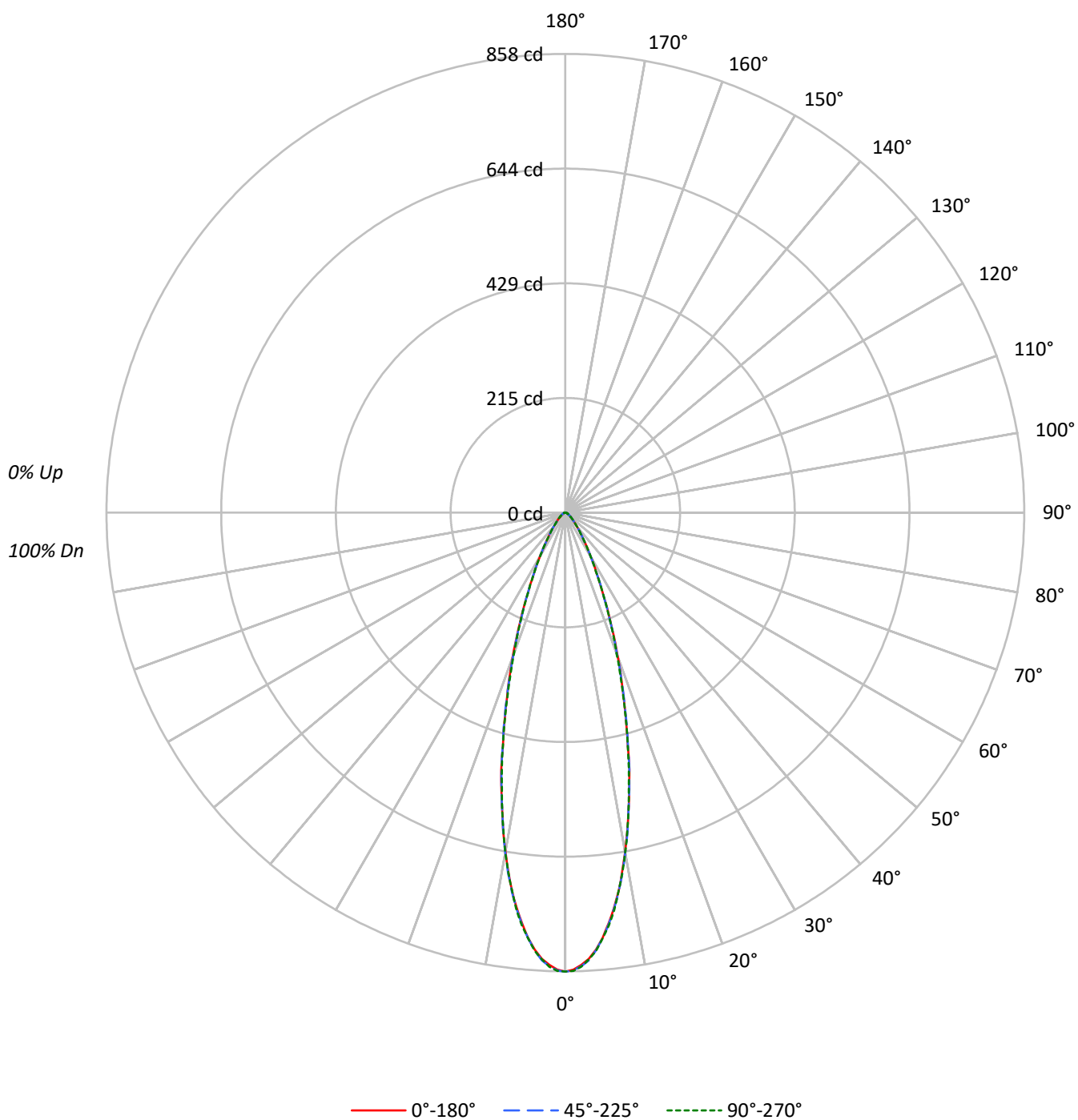
Lumens per Lamp: N/A
Luminaire Lumens: 344.0 lumens
Efficiency: N/A
Efficacy: 58.3 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	100	100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94	94	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	88	88	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	83	83	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	79	79	79
5	95	87	82	78	93	86	81	78	85	80	77	83	79	76	82	78	76	74	74	74
6	91	83	78	74	90	82	77	73	81	76	73	79	76	73	78	75	72	71	71	71
7	87	79	74	70	86	78	73	70	77	73	69	76	72	69	75	71	69	67	67	67
8	84	76	70	67	83	75	70	66	74	69	66	73	69	66	72	68	66	64	64	64
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	62	62	62
10	78	69	64	61	77	69	64	61	68	64	61	67	63	60	67	63	60	59	59	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	147853	147853	147853
5°	138011	138149	138218
10°	112570	112920	112920
15°	80395	80840	80395
20°	52618	52105	51372
25°	31278	31430	31278
30°	18852	18852	18773
35°	11479	11563	11479
40°	7307	7397	7397
45°	5090	5090	5090
50°	3671	3778	3778
55°	2883	2883	3003
60°	2342	2480	2480
65°	2119	2119	2119
70°	1813	1813	2014
75°	1597	1597	1863
80°	1587	1587	1587
85°	790	790	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5090 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.3	20.7
10°-20°	124.4	36.2
20°-30°	78.2	22.7
30°-40°	35.8	10.4
40°-50°	16.7	4.9
50°-60°	9.0	2.6
60°-70°	5.3	1.5
70°-80°	2.7	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°	273.9	79.6
0°-40°	309.6	90.0
0°-60°	335.3	97.5
0°-90°	344.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	344.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	858	858	858	858	858	
5°	798	800	799	800	800	71
15°	451	454	453	454	451	124
25°	165	167	165	165	165	78
35°	55	55	55	55	55	36
45°	21	21	21	21	21	17
55°	10	10	10	10	10	9
65°	5	5	5	5	5	5
75°	2	2	2	3	3	3
85°	0	0	0	0	0	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	858.5	858.5	858.5	858.5	858.5
1°	854.9	855.7	856.5	857.7	857.3
2°	846.9	848.5	848.9	850.5	850.1
3°	836.0	835.6	838.9	838.9	836.8
4°	819.2	820.0	820.8	821.6	822.0
5°	798.3	799.9	799.1	799.9	799.5
6°	772.6	775.0	774.6	775.4	776.6
7°	745.3	746.9	746.9	746.1	749.3
8°	715.6	714.4	716.4	715.6	715.2
9°	680.2	682.6	683.0	681.0	681.8
10°	643.7	645.3	645.7	646.9	645.7
11°	607.6	607.6	608.4	610.4	607.2
12°	568.2	571.8	568.2	569.8	568.2
13°	530.9	531.7	530.9	530.5	527.6
14°	495.5	492.7	493.5	490.3	490.7
15°	450.9	453.8	453.4	454.2	450.9
17.5°	362.6	364.2	363.8	363.0	359.0
20°	287.1	287.1	284.3	282.7	280.3
22.5°	219.3	218.4	217.2	216.0	216.8
25°	164.6	166.6	165.4	165.4	164.6
27.5°	124.5	126.9	124.9	123.7	124.5
30°	94.8	95.6	94.8	94.4	94.4
32.5°	71.5	71.9	71.5	71.5	71.5
35°	54.6	54.6	55.0	55.0	54.6
37.5°	42.2	42.2	42.2	42.2	42.6
40°	32.5	32.9	32.9	32.9	32.9
42.5°	25.7	26.1	26.1	26.1	26.1
45°	20.9	20.9	20.9	20.9	20.9
47.5°	16.9	16.9	16.9	16.9	17.3
50°	13.7	14.1	14.1	14.1	14.1
52.5°	11.6	11.6	11.6	11.6	11.6
55°	9.6	9.6	9.6	10.0	10.0
57.5°	8.0	8.0	8.4	8.4	8.4
60°	6.8	7.2	7.2	7.2	7.2
62.5°	6.0	6.0	6.4	6.4	6.4
65°	5.2	5.2	5.2	5.2	5.2
67.5°	4.4	4.4	4.4	4.4	4.8
70°	3.6	3.6	3.6	4.0	4.0
72.5°	3.2	3.2	3.2	3.2	3.2
75°	2.4	2.4	2.4	2.8	2.8
77.5°	2.0	2.0	2.0	2.0	2.0
80°	1.6	1.6	1.6	1.6	1.6
82.5°	0.8	0.8	1.2	1.2	1.2
85°	0.4	0.4	0.4	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0



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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)