

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: P1312997

Luminaire Tested: LDSQA3D24R259050D010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312997
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: LDSQA3D24R259050D010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

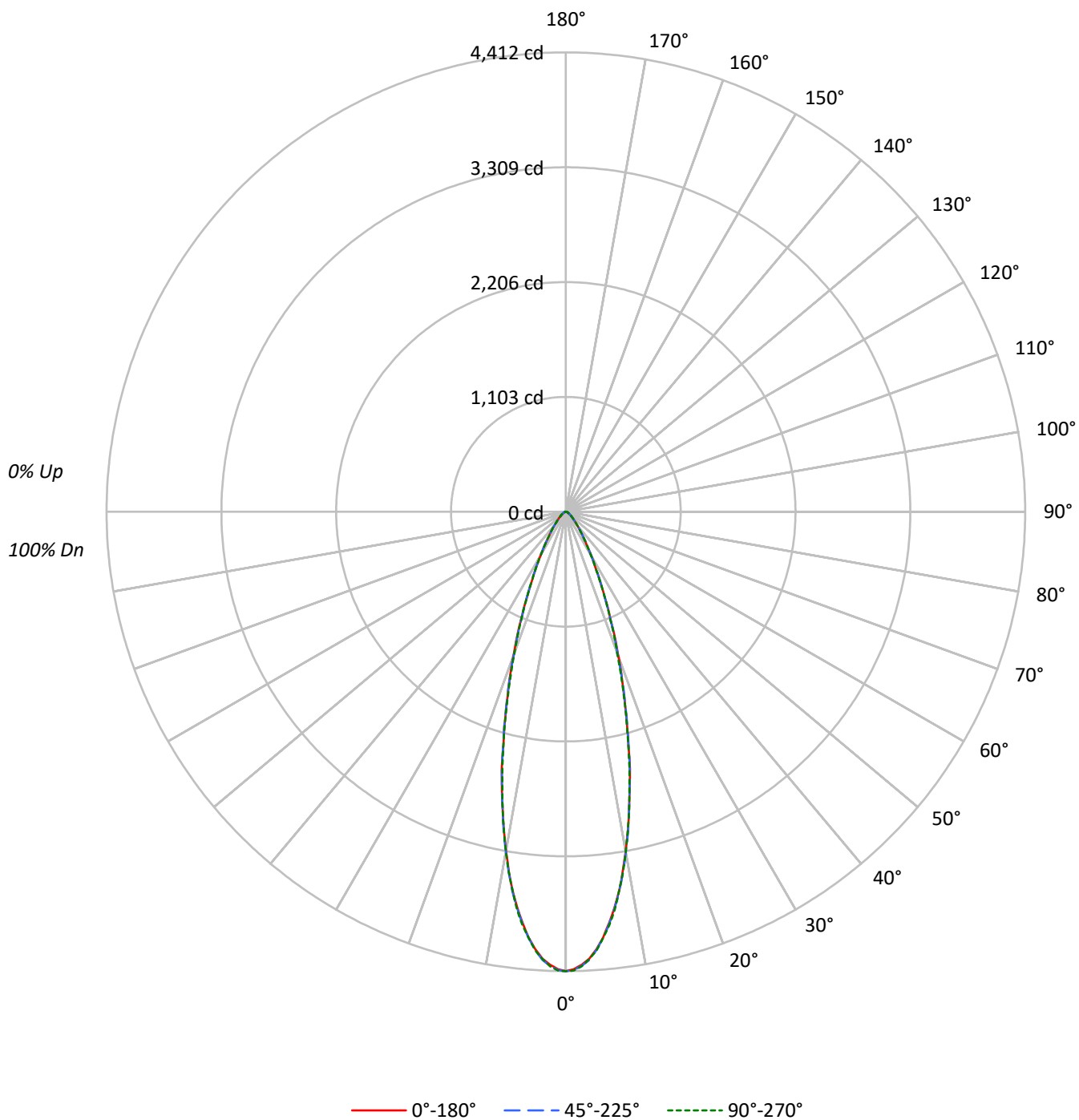
Lumens per Lamp: N/A
Luminaire Lumens: 1768.0 lumens
Efficiency: N/A
Efficacy: 61.4 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82
6	91	83	78	74	90	82	77	73	81	76	73		79	76	72		78
7	87	79	74	70	86	78	73	70	77	73	69		76	72	69		75
8	84	76	70	67	83	75	70	66	74	69	66		73	69	66		72
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69
10	78	69	64	61	77	69	64	61	68	64	61		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	759915	759915	759915
5°	709311	710020	710383
10°	578554	580355	580355
15°	413241	415452	413241
20°	270441	267802	264008
25°	160801	161580	160801
30°	96867	96867	96450
35°	59016	59436	59016
40°	37590	38040	38040
45°	26134	26134	26134
50°	18809	19345	19345
55°	14863	14863	15493
60°	12090	12779	12779
65°	10921	10921	10921
70°	9366	9366	10373
75°	8251	8251	9582
80°	8232	8232	8232
85°	4150	4150	4150

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 26134 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	366.7	20.7
10°-20°	639.1	36.2
20°-30°	401.8	22.7
30°-40°	183.8	10.4
40°-50°	85.8	4.9
50°-60°	46.2	2.6
60°-70°	27.2	1.5
70°-80°	14.2	0.8
80°-90°	3.2	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°	1407.6	79.6
0°-40°	1591.4	90.0
0°-60°	1723.4	97.5
0°-90°	1768.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1768.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4412	4412	4412	4412	4412	
5°	4103	4111	4107	4111	4109	366
15°	2318	2332	2330	2334	2318	639
25°	846	856	850	850	846	403
35°	281	281	283	283	281	183
45°	107	107	107	107	107	85
55°	50	50	50	52	52	45
65°	27	27	27	27	27	27
75°	12	12	12	14	14	14
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°	4412.4	4412.4	4412.4	4412.4	4412.4
1°	4393.9	4398.0	4402.1	4408.3	4406.3
2°	4352.6	4360.8	4362.9	4371.2	4369.1
3°	4296.9	4294.8	4311.3	4311.3	4301.0
4°	4210.2	4214.3	4218.4	4222.6	4224.6
5°	4102.9	4111.1	4107.0	4111.1	4109.1
6°	3970.8	3983.2	3981.1	3985.2	3991.4
7°	3830.4	3838.7	3838.7	3834.6	3851.1
8°	3677.7	3671.5	3681.9	3677.7	3675.7
9°	3496.1	3508.5	3510.6	3500.2	3504.4
10°	3308.3	3316.6	3318.6	3324.8	3318.6
11°	3122.6	3122.6	3126.7	3137.0	3120.5
12°	2920.3	2938.9	2920.3	2928.6	2920.3
13°	2728.4	2732.5	2728.4	2726.3	2711.9
14°	2546.8	2532.3	2536.4	2519.9	2522.0
15°	2317.7	2332.1	2330.1	2334.2	2317.7
17.5°	1863.6	1871.9	1869.8	1865.7	1845.1
20°	1475.6	1475.6	1461.2	1452.9	1440.5
22.5°	1126.8	1122.7	1116.5	1110.3	1114.5
25°	846.2	856.5	850.3	850.3	846.2
27.5°	639.8	652.2	641.8	635.7	639.8
30°	487.1	491.2	487.1	485.0	485.0
32.5°	367.4	369.4	367.4	367.4	367.4
35°	280.7	280.7	282.7	282.7	280.7
37.5°	216.7	216.7	216.7	216.7	218.8
40°	167.2	169.2	169.2	169.2	169.2
42.5°	132.1	134.1	134.1	134.1	134.1
45°	107.3	107.3	107.3	107.3	107.3
47.5°	86.7	86.7	86.7	86.7	88.7
50°	70.2	72.2	72.2	72.2	72.2
52.5°	59.9	59.9	59.9	59.9	59.9
55°	49.5	49.5	49.5	51.6	51.6
57.5°	41.3	41.3	43.3	43.3	43.3
60°	35.1	37.1	37.1	37.1	37.1
62.5°	31.0	31.0	33.0	33.0	33.0
65°	26.8	26.8	26.8	26.8	26.8
67.5°	22.7	22.7	22.7	22.7	24.8
70°	18.6	18.6	18.6	20.6	20.6
72.5°	16.5	16.5	16.5	16.5	16.5
75°	12.4	12.4	12.4	14.4	14.4
77.5°	10.3	10.3	10.3	10.3	10.3
80°	8.3	8.3	8.3	8.3	8.3
82.5°	4.1	4.1	6.2	6.2	6.2
85°	2.1	2.1	2.1	2.1	2.1
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)