

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: P1311951

Luminaire Tested: LDSQA3D24R359040D010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311951
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D24R359040D010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

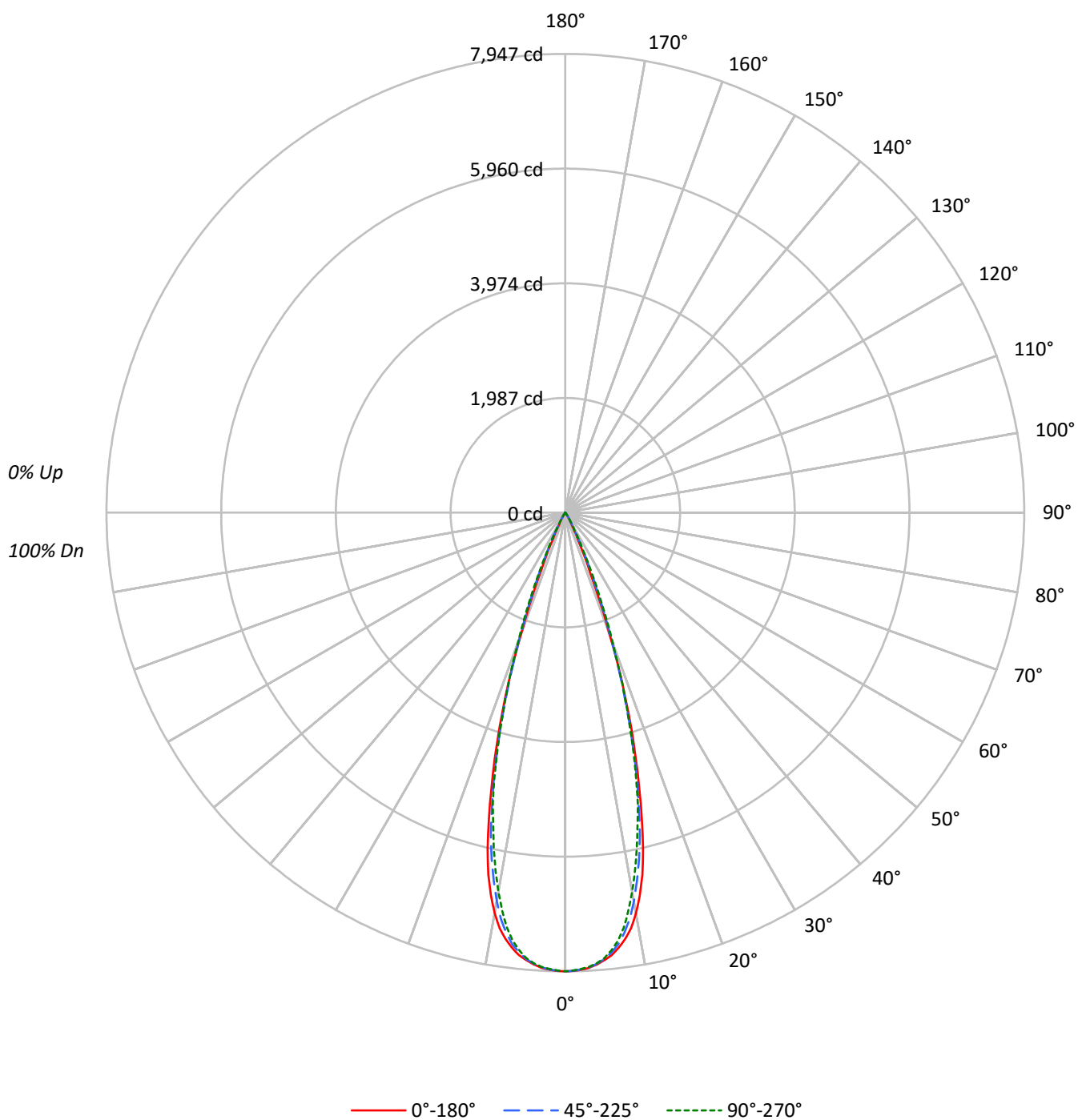
Lumens per Lamp: N/A
Luminaire Lumens: 2412.0 lumens
Efficiency: N/A
Efficacy: 83.8 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	115	113	111	109	113	111	109	108	107	106	104		103	102	101		100
2	111	108	105	102	109	106	103	101	103	101	99		100	98	97		97
3	108	103	100	97	106	102	99	96	99	97	94		97	95	93		95
4	104	99	95	92	103	98	94	92	96	93	91		94	92	90		93
5	101	95	91	88	100	95	91	88	93	90	87		92	89	87		90
6	98	92	88	85	97	91	88	85	90	87	84		89	86	84		88
7	96	89	85	82	94	89	85	82	87	84	81		86	83	81		85
8	93	86	82	79	92	86	82	79	85	81	79		84	81	79		83
9	90	84	80	77	89	83	79	77	82	79	76		82	79	76		81
10	88	81	77	75	87	81	77	74	80	77	74		80	76	74		79

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1368602	1368602	1368602
5°	1345097	1342227	1339357
10°	1232760	1195703	1166638
15°	882718	854582	844205
20°	409328	423421	438267
25°	97123	138168	144097
30°	28517	32634	36770
35°	6560	10491	9608
40°	1394	2810	1866
45°	511	511	511
50°	563	0	563
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 594 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	713.4	29.6
10°-20°	1275.4	52.9
20°-30°	383.7	15.9
30°-40°	36.7	1.5
40°-50°	2.5	0.1
50°-60°	0.2	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	2372.6	98.4
0°-40°	2409.3	99.9
0°-60°	2412.0	100.0
0°-90°	2412.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2412.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7947	7947	7947	7947	7947	
5°	7780	7778	7764	7754	7747	721
15°	4951	4914	4793	4772	4735	1308
25°	511	563	727	758	758	329
35°	31	42	50	54	46	29
45°	2	2	2	2	2	2
55°	0	0	0	0	0	1
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7946.7	7946.7	7946.7	7946.7	7946.7
1°	7942.6	7942.6	7938.4	7938.4	7930.1
2°	7923.9	7925.9	7917.6	7915.5	7909.3
3°	7894.8	7888.5	7888.5	7884.4	7880.2
4°	7849.1	7836.6	7832.4	7834.5	7826.2
5°	7780.5	7778.4	7763.9	7753.5	7747.3
6°	7705.7	7691.2	7660.0	7633.0	7626.8
7°	7593.5	7562.4	7535.3	7479.3	7470.9
8°	7456.4	7406.5	7348.4	7269.4	7265.3
9°	7288.1	7207.1	7126.1	7020.1	6982.7
10°	7049.2	6974.4	6837.3	6743.8	6671.1
11°	6752.1	6658.6	6498.6	6386.5	6326.2
12°	6415.5	6328.3	6141.3	6039.5	5954.3
13°	5983.4	5910.7	5736.2	5624.0	5557.5
14°	5482.7	5428.7	5262.5	5212.6	5189.8
15°	4950.8	4913.5	4793.0	4772.2	4734.8
17.5°	3644.1	3581.7	3513.2	3525.6	3538.1
20°	2233.4	2320.6	2310.3	2356.0	2391.3
22.5°	1113.6	1225.8	1356.7	1435.6	1475.1
25°	511.1	563.0	727.1	758.3	758.3
27.5°	257.6	270.1	342.8	349.0	365.7
30°	143.4	153.7	164.1	182.8	184.9
32.5°	72.7	85.2	89.3	99.7	95.6
35°	31.2	41.6	49.9	54.0	45.7
37.5°	14.5	18.7	27.0	24.9	18.7
40°	6.2	8.3	12.5	10.4	8.3
42.5°	4.2	4.2	6.2	4.2	4.2
45°	2.1	2.1	2.1	2.1	2.1
47.5°	2.1	2.1	0.0	2.1	2.1
50°	2.1	0.0	0.0	0.0	2.1
52.5°	2.1	0.0	0.0	0.0	2.1
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
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)