

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: P1308576

Luminaire Tested: LDSQA3D24R309027D010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308576
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D24R309027D010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

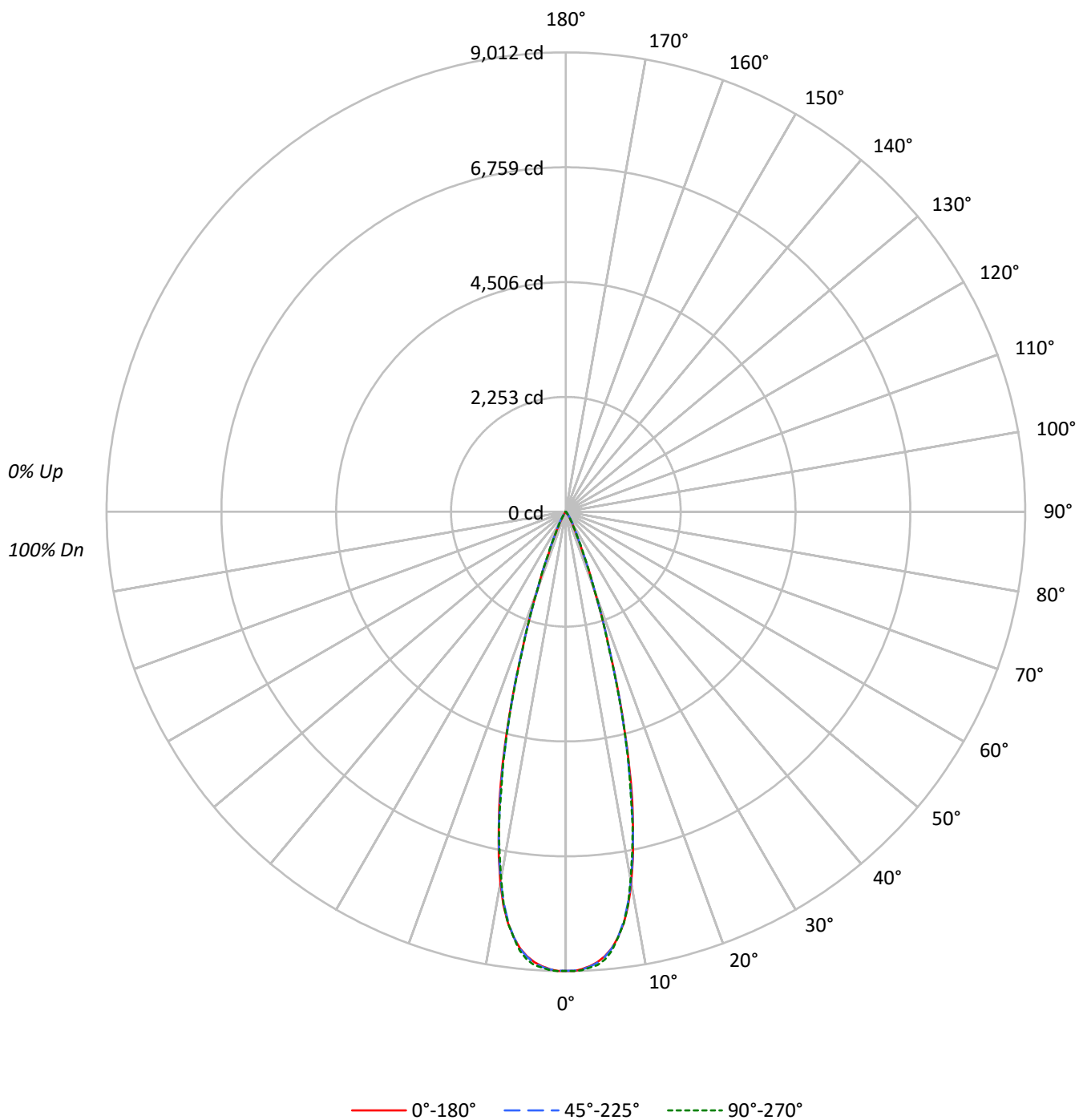
Lumens per Lamp: N/A
Luminaire Lumens: 2324.0 lumens
Efficiency: N/A
Efficacy: 80.7 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	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	99	99
1	115	113	111	110	113	111	109	108	107	106	105	103	102	101	100	99	99	97	96	95
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	96	95	94	93	92
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	91	90	89
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	88	87	86
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	86	85	84
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	83	82	81
7	96	90	86	83	95	90	86	83	89	85	83	87	85	82	87	84	82	81	80	79
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	84	82	80	79	78	77
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	76	75
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	75	74	73

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1551140	1551140	1551140
5°	1513309	1515194	1523630
10°	1292482	1286483	1278893
15°	797616	788273	791162
20°	301452	303101	302771
25°	92733	101664	96857
30°	37387	47449	38819
35°	11017	20141	11395
40°	4474	8116	4474
45°	877	2630	877
50°	0	482	0
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: 45°

Vertical Angle: 45°

Luminance: 2630 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	794.4	34.2
10°-20°	1176.2	50.6
20°-30°	291.7	12.6
30°-40°	54.8	2.4
40°-50°	6.9	0.3
50°-60°	0.0	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°	2262.3	97.3
0°-40°	2317.0	99.7
0°-60°	2324.0	100.0
0°-90°	2324.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2324.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9007	9007	9007	9007	9007	
5°	8754	8750	8764	8779	8813	795
15°	4474	4430	4421	4455	4437	1182
25°	488	520	535	533	510	281
35°	52	69	96	70	54	44
45°	4	5	11	7	4	4
55°	0	0	0	0	0	0
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°	9006.6	9006.6	9006.6	9006.6	9006.6
1°	9010.2	9003.0	9003.0	8992.1	9012.0
2°	8977.7	8970.4	8983.1	8974.1	8999.4
3°	8928.9	8919.8	8937.9	8943.3	8956.0
4°	8856.6	8849.3	8869.2	8880.1	8914.4
5°	8753.5	8749.9	8764.4	8778.9	8813.2
6°	8612.6	8607.1	8616.2	8634.3	8655.9
7°	8408.3	8397.5	8404.7	8408.3	8413.7
8°	8149.9	8133.6	8124.5	8144.4	8155.3
9°	7817.3	7799.2	7779.3	7772.1	7797.4
10°	7390.7	7363.6	7356.4	7338.3	7313.0
11°	6895.5	6873.8	6868.4	6835.8	6821.4
12°	6327.9	6317.1	6329.7	6309.9	6302.6
13°	5783.9	5715.2	5706.2	5668.2	5648.3
14°	5140.4	5077.2	5075.4	5055.5	5082.6
15°	4473.5	4430.1	4421.1	4455.4	4437.3
17.5°	2852.2	2881.1	2873.9	2855.8	2825.1
20°	1644.8	1624.9	1653.8	1661.1	1652.0
22.5°	876.6	883.8	889.3	911.0	925.4
25°	488.0	520.5	535.0	533.2	509.7
27.5°	303.7	323.5	350.6	332.6	312.7
30°	188.0	204.2	238.6	206.1	195.2
32.5°	101.2	128.3	153.6	128.3	104.8
35°	52.4	68.7	95.8	70.5	54.2
37.5°	34.3	39.8	61.5	39.8	34.3
40°	19.9	25.3	36.1	25.3	19.9
42.5°	9.0	14.5	19.9	14.5	9.0
45°	3.6	5.4	10.8	7.2	3.6
47.5°	0.0	1.8	5.4	1.8	0.0
50°	0.0	0.0	1.8	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
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)