

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: P1311973

Luminaire Tested: LDSQA3D24R459040D010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311973
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D24R459040D010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R45 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

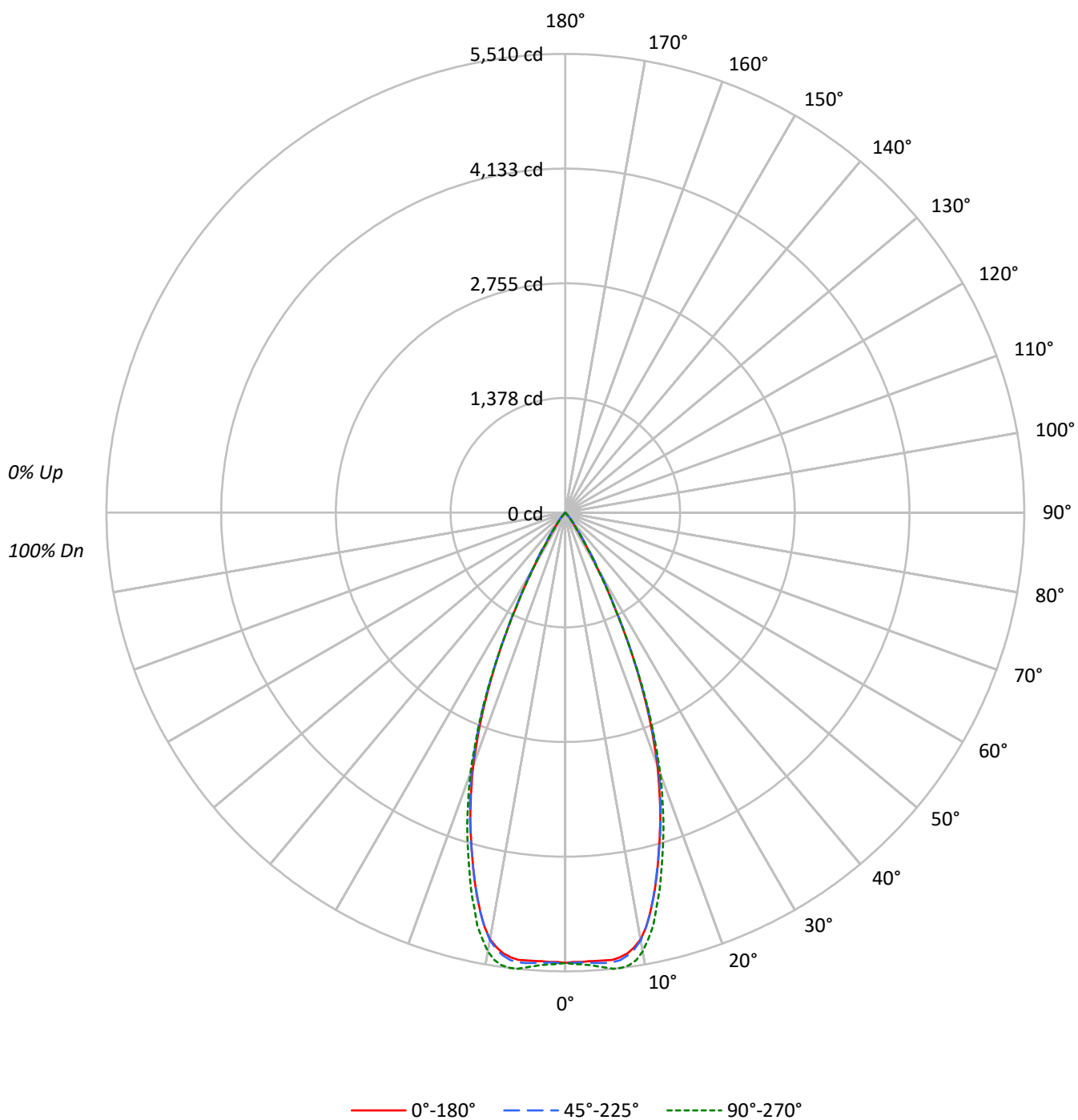
Lumens per Lamp: N/A
Luminaire Lumens: 2796.0 lumens
Efficiency: N/A
Efficacy: 97.1 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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					0
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	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	98	95
2	110	106	103	100	108	104	101	99	101	99	96	98	96	94	95	94	92	92	94	91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	88	90	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	84	86	83
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	80	82	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	77	79	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	73	76	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	70	76	73	70	70	73	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	67	70	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	65	67	64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	931380	931380	931380
5°	933486	938879	948232
10°	910125	911944	935920
15°	767822	768197	793390
20°	592713	601089	610986
25°	367702	368101	370457
30°	151695	161200	149209
35°	47200	57670	45455
40°	14478	20099	13557
45°	1023	7599	1023
50°	0	1125	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: 7599 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	514.7	18.4
10°-20°	1196.7	42.8
20°-30°	877.9	31.4
30°-40°	188.7	6.7
40°-50°	18.0	0.6
50°-60°	0.1	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°	2589.3	92.6
0°-40°	2778.0	99.4
0°-60°	2796.0	100.0
0°-90°	2796.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2796.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5408	5408	5408	5408	5408	
5°	5400	5414	5431	5468	5485	511
15°	4306	4298	4308	4377	4450	1186
25°	1935	1929	1937	1937	1950	868
35°	224	241	274	235	216	177
45°	4	12	31	12	4	10
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°	5408.0	5408.0	5408.0	5408.0	5408.0
1°	5397.6	5410.0	5410.0	5418.3	5422.5
2°	5401.7	5410.0	5408.0	5422.5	5428.7
3°	5395.5	5410.0	5414.2	5430.8	5441.2
4°	5397.6	5410.0	5422.5	5447.4	5462.0
5°	5399.6	5414.2	5430.8	5468.2	5484.9
6°	5401.7	5412.1	5430.8	5478.6	5509.8
7°	5380.9	5395.5	5416.3	5476.5	5509.8
8°	5347.7	5356.0	5372.6	5451.6	5491.1
9°	5285.3	5283.2	5308.2	5395.5	5441.2
10°	5204.3	5179.3	5214.7	5302.0	5351.8
11°	5073.3	5046.3	5077.5	5171.0	5218.8
12°	4902.9	4902.9	4909.1	4992.3	5075.4
13°	4722.1	4701.3	4713.8	4807.3	4865.5
14°	4522.6	4501.8	4514.2	4584.9	4676.4
15°	4306.4	4298.1	4308.5	4377.1	4449.8
17.5°	3793.0	3774.3	3811.8	3880.3	3917.8
20°	3234.0	3265.1	3279.7	3323.3	3333.7
22.5°	2591.7	2625.0	2645.8	2652.0	2658.3
25°	1935.0	1928.7	1937.1	1937.1	1949.5
27.5°	1272.0	1272.0	1294.8	1280.3	1265.7
30°	762.8	793.9	810.6	783.6	750.3
32.5°	415.7	446.9	473.9	434.4	405.3
35°	224.5	241.1	274.3	234.9	216.2
37.5°	122.6	137.2	158.0	133.0	122.6
40°	64.4	79.0	89.4	79.0	60.3
42.5°	20.8	39.5	52.0	39.5	18.7
45°	4.2	12.5	31.2	12.5	4.2
47.5°	0.0	2.1	14.5	2.1	0.0
50°	0.0	0.0	4.2	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)