

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: P1311481

Luminaire Tested: LDSQA3D13R309040DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311481
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: LDSQA3D13R309040DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

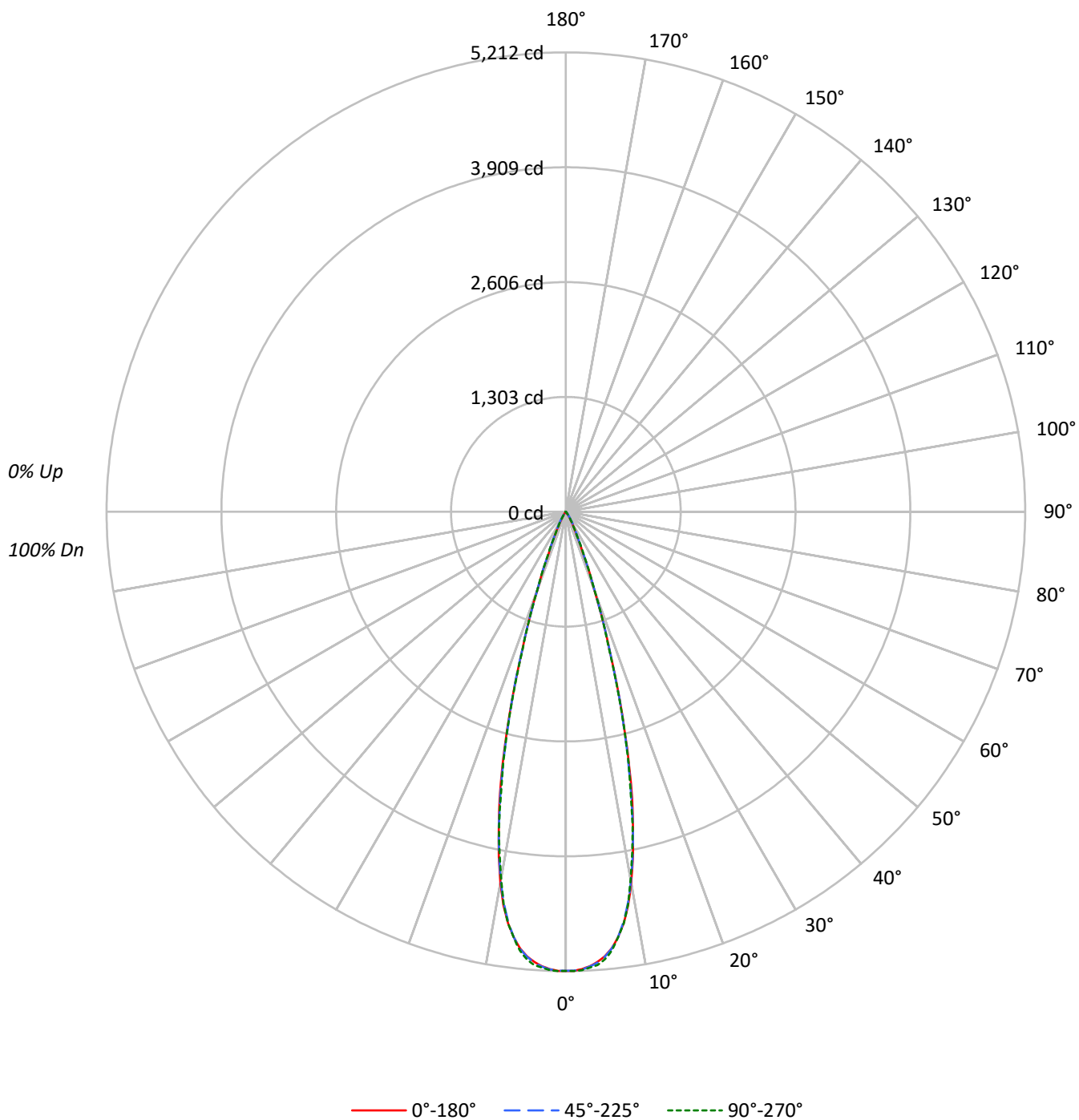
Lumens per Lamp: N/A
Luminaire Lumens: 1344.0 lumens
Efficiency: N/A
Efficacy: 92.1 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	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°	897039	897039	897039
5°	875173	876262	881137
10°	747470	743990	739600
15°	461275	455872	457548
20°	174332	175285	175101
25°	53626	58794	56020
30°	21617	27443	22452
35°	6370	11648	6602
40°	2585	4699	2585
45°	511	1534	511
50°	0	268	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: 1534 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	459.4	34.2
10°-20°	680.2	50.6
20°-30°	168.7	12.6
30°-40°	31.7	2.4
40°-50°	4.0	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°	1308.3	97.3
0°-40°	1340.0	99.7
0°-60°	1344.0	100.0
0°-90°	1344.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1344.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5209	5209	5209	5209	5209	
5°	5062	5060	5069	5077	5097	460
15°	2587	2562	2557	2577	2566	684
25°	282	301	309	308	295	163
35°	30	40	55	41	31	25
45°	2	3	6	4	2	2
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°	5208.6	5208.6	5208.6	5208.6	5208.6
1°	5210.7	5206.5	5206.5	5200.3	5211.8
2°	5191.9	5187.7	5195.0	5189.8	5204.5
3°	5163.7	5158.5	5168.9	5172.0	5179.4
4°	5121.9	5117.7	5129.2	5135.5	5155.3
5°	5062.3	5060.2	5068.6	5076.9	5096.8
6°	4980.8	4977.6	4982.9	4993.3	5005.8
7°	4862.6	4856.4	4860.6	4862.6	4865.8
8°	4713.2	4703.8	4698.5	4710.0	4716.3
9°	4520.8	4510.4	4498.9	4494.7	4509.3
10°	4274.2	4258.5	4254.3	4243.8	4229.2
11°	3987.7	3975.2	3972.1	3953.2	3944.9
12°	3659.5	3653.3	3660.6	3649.1	3644.9
13°	3344.9	3305.2	3299.9	3278.0	3266.5
14°	2972.8	2936.2	2935.1	2923.6	2939.3
15°	2587.1	2562.0	2556.8	2576.6	2566.2
17.5°	1649.5	1666.2	1662.0	1651.5	1633.8
20°	951.2	939.7	956.4	960.6	955.4
22.5°	507.0	511.1	514.3	526.8	535.2
25°	282.2	301.0	309.4	308.4	294.8
27.5°	175.6	187.1	202.8	192.3	180.8
30°	108.7	118.1	138.0	119.2	112.9
32.5°	58.5	74.2	88.8	74.2	60.6
35°	30.3	39.7	55.4	40.8	31.4
37.5°	19.9	23.0	35.5	23.0	19.9
40°	11.5	14.6	20.9	14.6	11.5
42.5°	5.2	8.4	11.5	8.4	5.2
45°	2.1	3.1	6.3	4.2	2.1
47.5°	0.0	1.0	3.1	1.0	0.0
50°	0.0	0.0	1.0	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)