

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: P1309822

Luminaire Tested: LDSQA3D02R159035DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309822
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R159035DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

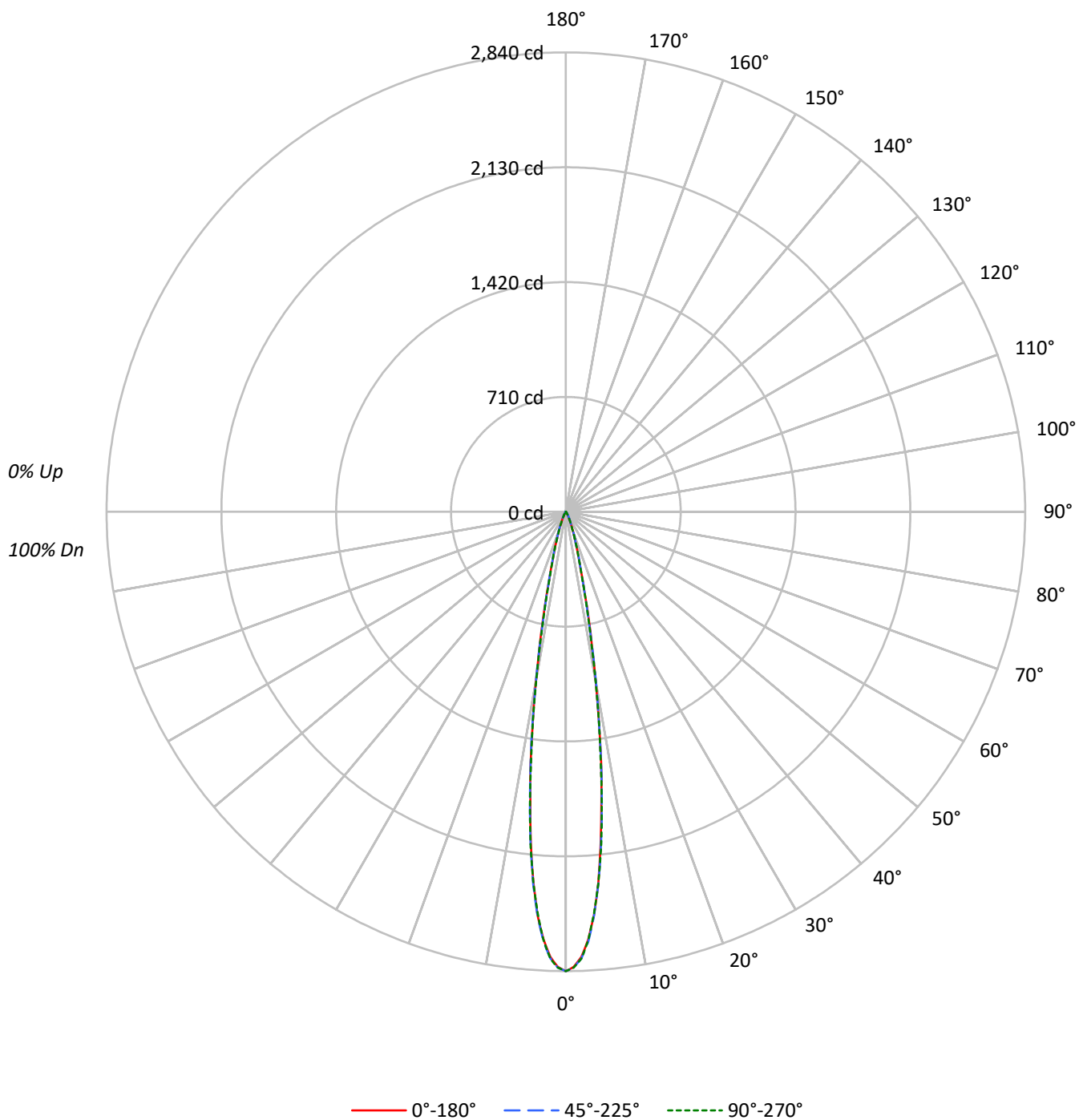
Lumens per Lamp: N/A
Luminaire Lumens: 317.0 lumens
Efficiency: N/A
Efficacy: 88.1 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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					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	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	95	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	93	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	91	91	90
6	103	97	94	92	102	97	94	91	96	93	91	94	92	90	93	91	90	90	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	88	92	90	88	88	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	90	88	87	87	87	86
9	97	91	88	86	96	91	88	86	90	88	86	90	87	85	89	87	85	85	85	84
10	95	90	87	84	95	89	86	84	89	86	84	88	86	84	88	85	84	84	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	489164	489164	489164
5°	398265	399579	398783
10°	185792	187453	185075
15°	58339	58838	58482
20°	23111	24027	22378
25°	9330	11288	9007
30°	3739	5131	3540
35°	1114	2271	1051
40°	337	854	292
45°	73	195	73
50°	0	80	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: 195 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.8	56.1
10°-20°	106.4	33.5
20°-30°	26.8	8.5
30°-40°	5.5	1.7
40°-50°	0.5	0.2
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°	311.0	98.1
0°-40°	316.5	99.8
0°-60°	317.0	100.0
0°-90°	317.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	317.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2840	2840	2840	2840	2840	
5°	2304	2300	2311	2306	2307	177
15°	327	330	330	325	328	106
25°	49	54	59	53	47	25
35°	5	7	11	7	5	4
45°	0	0	1	0	0	0
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°	2840.3	2840.3	2840.3	2840.3	2840.3
1°	2814.7	2824.3	2819.2	2823.3	2818.7
2°	2753.8	2766.6	2762.6	2761.3	2764.8
3°	2646.5	2661.3	2660.8	2657.0	2651.0
4°	2500.1	2494.0	2503.3	2502.3	2492.0
5°	2303.7	2299.5	2311.3	2305.5	2306.7
6°	2063.5	2082.1	2078.1	2078.6	2083.3
7°	1805.5	1815.6	1824.1	1831.1	1821.3
8°	1568.6	1566.1	1566.8	1574.9	1547.8
9°	1303.3	1318.9	1308.8	1292.8	1303.1
10°	1062.4	1071.9	1071.9	1057.8	1058.3
11°	847.0	854.8	849.2	852.7	830.7
12°	682.7	663.4	658.9	662.4	662.2
13°	521.3	522.5	521.3	521.0	518.5
14°	408.7	415.2	412.5	405.7	402.7
15°	327.2	330.0	330.0	325.2	328.0
17.5°	196.6	199.8	200.6	197.3	197.3
20°	126.1	127.6	131.1	126.4	122.1
22.5°	77.7	81.0	87.0	80.0	76.5
25°	49.1	53.7	59.4	52.7	47.4
27.5°	30.8	34.6	39.6	33.1	29.8
30°	18.8	21.3	25.8	20.8	17.8
32.5°	10.5	12.5	16.3	12.0	10.0
35°	5.3	7.0	10.8	6.8	5.0
37.5°	3.0	3.8	6.8	3.3	2.8
40°	1.5	2.0	3.8	2.0	1.3
42.5°	0.5	1.0	1.5	1.0	0.5
45°	0.3	0.5	0.8	0.5	0.3
47.5°	0.0	0.0	0.3	0.0	0.0
50°	0.0	0.0	0.3	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)