

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: P1317008

Luminaire Tested: LDSQA3D02R209827DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317008
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R209827DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

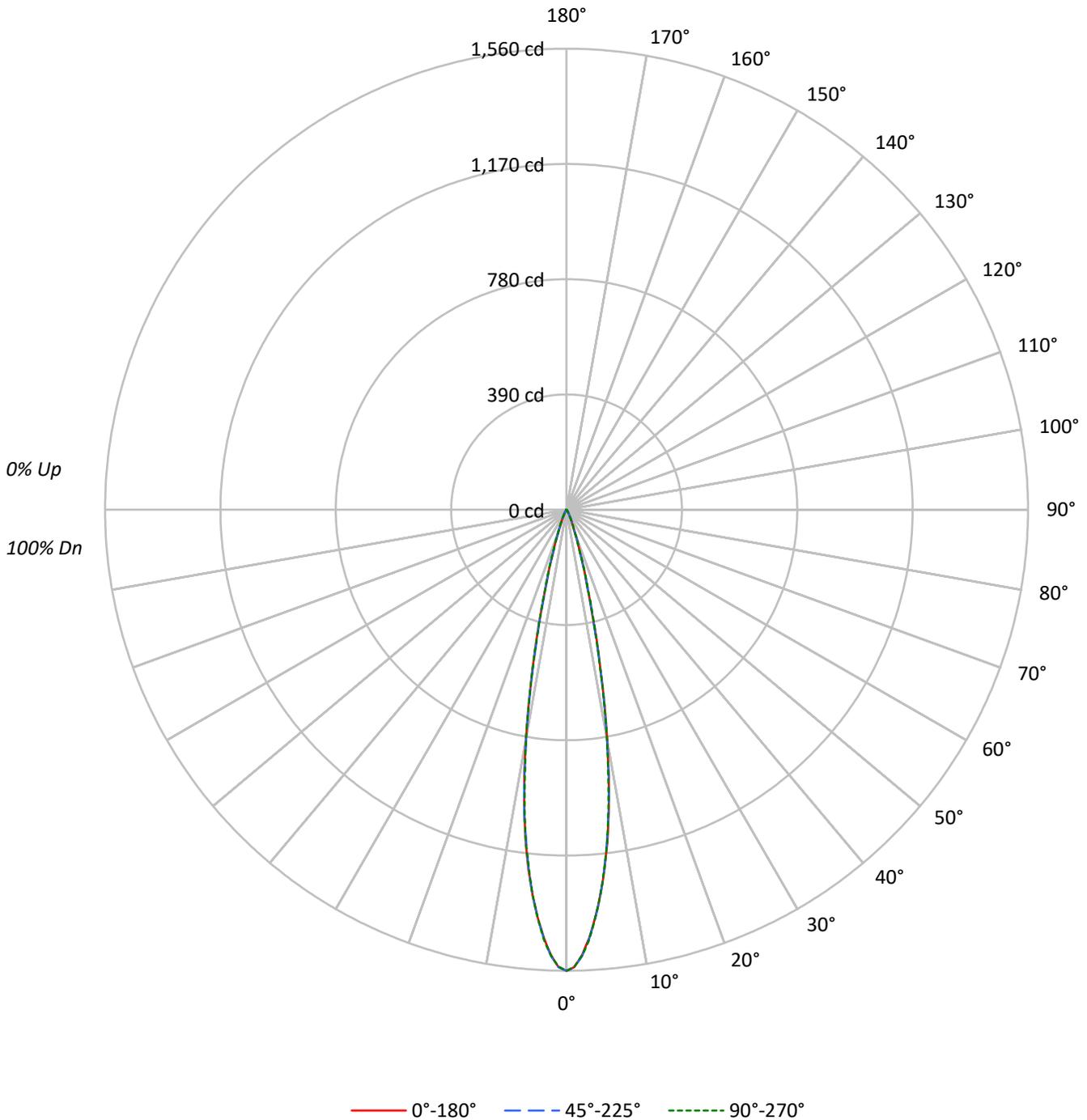
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 215.0 lumens
Efficiency: N/A
Efficacy: 59.7 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
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 (A_{in}): 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			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	116	114	112	110	113	111	110	109	108	106	105	104	103	102	101	100	99	99	98	98	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	99	98	97	95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	97	96	94	93
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	96	94	92	91
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	94	92	90	89
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	92	90	88	87
7	100	94	90	88	99	93	90	88	92	90	87	91	89	87	91	88	87	91	88	87	86
8	97	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	89	87	85	84
9	96	90	86	84	95	90	86	84	89	86	84	88	85	84	87	85	83	87	85	83	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	86	84	82	81

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	268702	268702	268702
5°	226473	226560	226439
10°	137997	137368	137683
15°	48604	48818	50334
20°	15267	15707	15358
25°	5720	6252	5872
30°	2207	3142	2307
35°	841	1409	904
40°	450	607	450
45°	170	292	195
50°	80	134	80
55°	90	90	90
60°	69	69	69
65°	82	82	82
70°	101	101	101
75°	0	0	133
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 292 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.3	50.4
10°-20°	84.9	39.5
20°-30°	16.7	7.8
30°-40°	3.7	1.7
40°-50°	0.8	0.4
50°-60°	0.3	0.1
60°-70°	0.2	0.1
70°-80°	0.1	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°	209.9	97.6
0°-40°	213.6	99.4
0°-60°	214.7	99.9
0°-90°	215.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	215.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1560	1560	1560	1560	1560	
5°	1310	1311	1310	1315	1310	109
15°	273	274	274	280	282	85
25°	30	32	33	32	31	16
35°	4	5	7	5	4	3
45°	1	1	1	1	1	1
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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1560.2	1560.2	1560.2	1560.2	1560.2
1°	1547.5	1544.2	1548.0	1545.0	1545.7
2°	1507.4	1505.6	1510.6	1507.4	1509.1
3°	1451.7	1449.4	1453.0	1453.2	1457.9
4°	1385.2	1380.7	1386.2	1386.3	1387.2
5°	1310.0	1311.1	1310.5	1315.0	1309.8
6°	1225.5	1229.3	1224.3	1226.8	1219.7
7°	1131.0	1126.2	1123.7	1124.5	1129.5
8°	1026.7	1023.4	1027.0	1021.9	1018.4
9°	910.7	904.9	908.9	903.9	898.9
10°	789.1	786.5	785.5	779.8	787.3
11°	667.2	659.2	663.2	660.4	668.5
12°	553.1	553.8	545.9	548.4	549.4
13°	450.1	439.5	440.8	447.6	448.8
14°	349.2	350.7	351.2	356.0	358.8
15°	272.6	273.8	273.8	279.8	282.3
17.5°	146.2	146.2	149.4	150.0	150.4
20°	83.3	83.8	85.7	85.5	83.8
22.5°	49.9	50.9	51.9	50.9	49.9
25°	30.1	32.1	32.9	32.4	30.9
27.5°	18.0	20.1	22.5	20.6	17.8
30°	11.1	12.3	15.8	12.6	11.6
32.5°	6.2	8.0	10.8	8.3	6.3
35°	4.0	4.8	6.7	4.8	4.3
37.5°	2.8	3.3	4.2	3.5	3.0
40°	2.0	2.3	2.7	2.5	2.0
42.5°	1.3	1.7	1.8	1.7	1.3
45°	0.7	1.0	1.2	1.0	0.8
47.5°	0.3	0.5	0.8	0.5	0.3
50°	0.3	0.3	0.5	0.3	0.3
52.5°	0.3	0.3	0.3	0.3	0.3
55°	0.3	0.3	0.3	0.3	0.3
57.5°	0.3	0.3	0.2	0.3	0.2
60°	0.2	0.2	0.2	0.2	0.2
62.5°	0.2	0.2	0.2	0.2	0.2
65°	0.2	0.2	0.2	0.2	0.2
67.5°	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2
75°	0.0	0.0	0.0	0.0	0.2
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)