

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: P1323438

Luminaire Tested: LDSQA3D02R209030D2WDE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323438
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R209030D2WDE010 3LSQPHRL1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R20 optic, 3000K CCT AND, 90CRI ,
3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

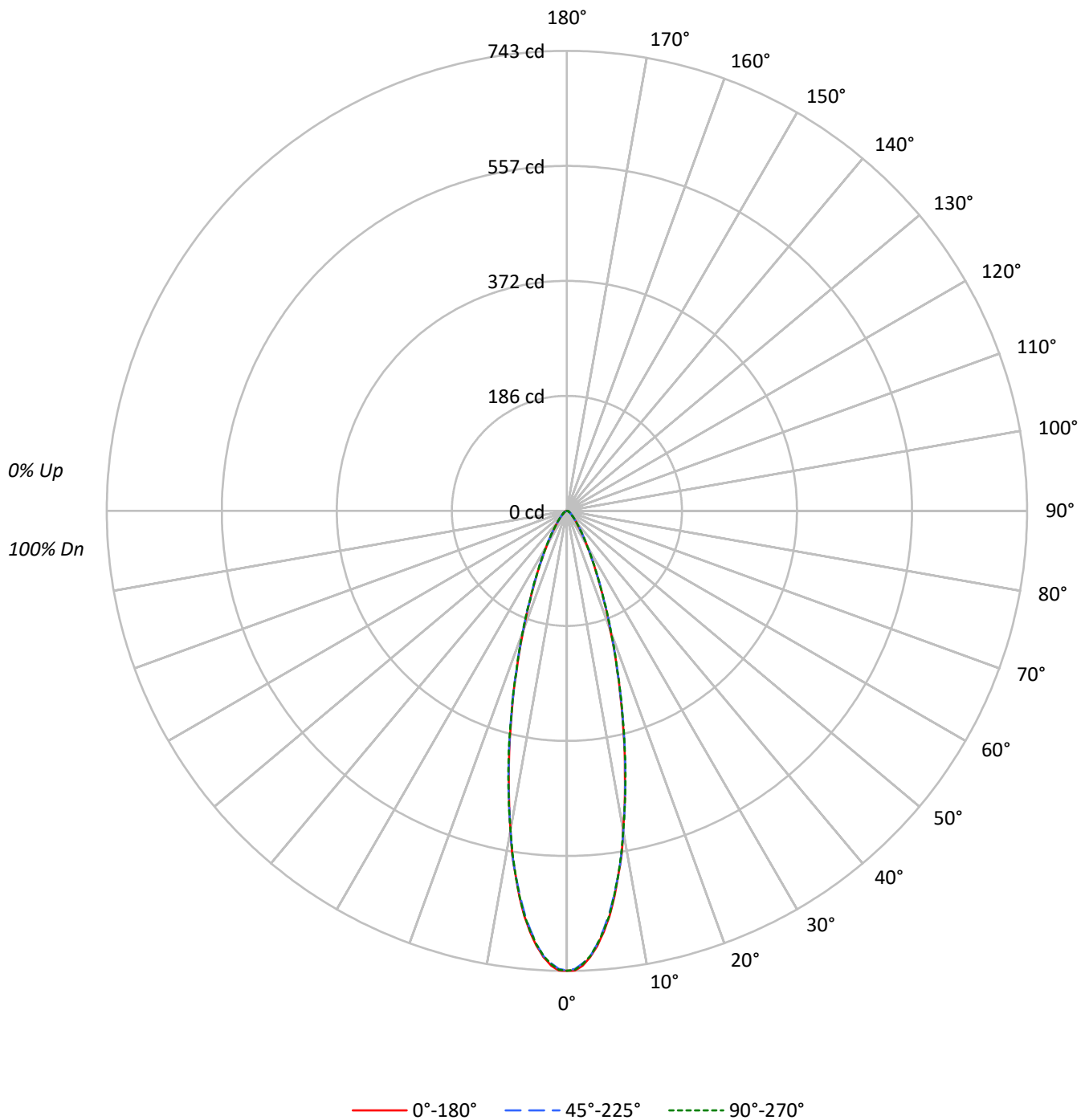
Lumens per Lamp: N/A
Luminaire Lumens: 261.1 lumens
Efficiency: N/A
Efficacy: 36.3 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	94
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	90	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	85	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	81	81	79
5	96	88	83	79	94	87	82	79	86	81	78	84	80	77	82	79	77	77	77	75
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	72
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	70	70	69
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	67	67	66
9	82	74	68	65	81	73	68	65	72	68	65	71	67	65	71	67	64	64	64	63
10	79	71	66	62	78	70	66	62	70	65	62	69	65	62	68	65	62	62	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	127910	127910	127910
5°	118008	117334	117714
10°	91567	91689	91689
15°	61887	62190	62190
20°	37590	38066	38250
25°	22043	22366	22290
30°	12867	13125	13185
35°	7863	8073	8073
40°	5126	5193	5261
45°	3556	3653	3726
50°	2626	2706	2706
55°	2042	2162	2162
60°	1791	1791	1894
65°	1589	1589	1712
70°	1460	1460	1460
75°	1331	1331	1331
80°	992	992	1289
85°	593	593	1383

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3726 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.9	22.9
10°-20°	95.9	36.7
20°-30°	55.5	21.3
30°-40°	24.9	9.5
40°-50°	11.8	4.5
50°-60°	6.5	2.5
60°-70°	3.9	1.5
70°-80°	2.1	0.8
80°-90°	0.5	0.2
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°	211.3	80.9
0°-40°	236.3	90.5
0°-60°	254.6	97.5
0°-90°	261.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	261.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	743	743	743	743	743	
5°	683	680	679	680	681	60
15°	347	347	349	347	349	96
25°	116	116	118	117	117	55
35°	37	38	38	39	38	24
45°	15	15	15	15	15	12
55°	7	7	7	7	7	6
65°	4	4	4	4	4	4
75°	2	2	2	2	2	2
85°	0	0	0	0	1	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	742.7	742.7	742.7	742.7	742.7
1°	742.4	740.4	739.8	739.1	741.1
2°	734.9	732.6	731.3	732.0	732.3
3°	721.6	720.3	720.3	719.3	719.9
4°	704.3	701.7	701.7	702.1	702.1
5°	682.6	680.3	678.7	680.0	680.9
6°	658.2	655.3	654.0	654.3	656.6
7°	628.3	624.4	625.0	626.7	626.7
8°	594.5	594.2	594.8	594.2	594.8
9°	563.3	558.7	562.6	559.4	561.0
10°	523.6	523.3	524.3	525.2	524.3
12.5°	433.3	434.9	435.5	434.2	437.2
15°	347.1	347.1	348.8	347.1	348.8
17.5°	270.1	269.8	271.1	269.8	271.7
20°	205.1	207.4	207.7	207.7	208.7
22.5°	154.7	154.7	156.0	156.3	155.7
25°	116.0	116.0	117.7	116.7	117.3
27.5°	85.8	86.5	87.8	88.4	88.4
30°	64.7	65.0	66.0	66.3	66.3
32.5°	48.8	49.4	50.1	50.4	50.7
35°	37.4	37.7	38.4	38.7	38.4
37.5°	28.6	28.9	29.6	29.9	29.9
40°	22.8	22.8	23.1	23.4	23.4
42.5°	17.9	18.2	18.2	18.5	18.5
45°	14.6	14.6	15.0	15.0	15.3
47.5°	11.7	11.7	12.0	12.4	12.4
50°	9.8	9.8	10.1	10.1	10.1
52.5°	8.1	8.1	8.5	8.5	8.5
55°	6.8	6.8	7.2	7.2	7.2
57.5°	5.9	5.9	6.2	6.2	6.2
60°	5.2	5.2	5.2	5.2	5.5
62.5°	4.6	4.6	4.6	4.6	4.6
65°	3.9	3.9	3.9	3.9	4.2
67.5°	3.3	3.3	3.3	3.3	3.6
70°	2.9	2.9	2.9	2.9	2.9
72.5°	2.3	2.3	2.3	2.6	2.6
75°	2.0	2.0	2.0	2.0	2.0
77.5°	1.6	1.6	1.6	1.6	1.6
80°	1.0	1.0	1.0	1.3	1.3
82.5°	0.7	0.7	0.7	0.7	0.7
85°	0.3	0.3	0.3	0.3	0.7
87.5°	0.0	0.0	0.0	0.3	0.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)