

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: P1323500

Luminaire Tested: LDSQA3D02R409030D2WDE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323500
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R409030D2WDE010 3LSQCDR1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R40 optic, 3000K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

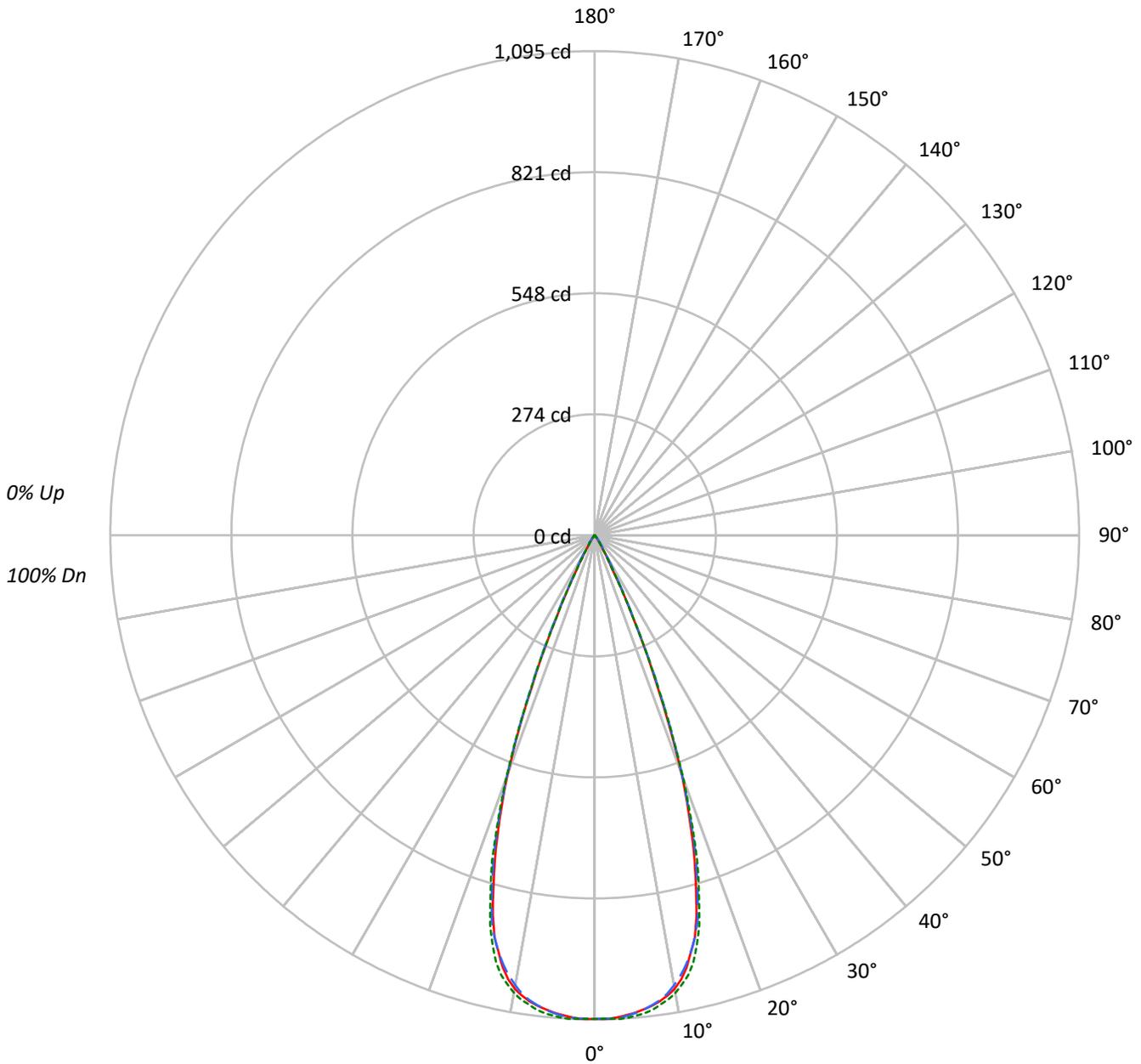
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 463.0 lumens
Efficiency: N/A
Efficacy: 64.3 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6
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



0% Up
100% Dn

— 0°-180° - - 45°-225° - - - 90°-270°



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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	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	94	94	94	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	90	90	90	88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	91	88	86	86	86	86	85
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	83	83	83	82
6	96	89	85	82	95	89	84	81	87	84	81	86	83	80	85	82	80	80	80	80	79
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	77	77	77	76
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	80	76	74	74	74	74	73
9	87	80	75	72	86	79	75	72	79	75	72	78	74	72	77	74	72	72	72	72	71
10	84	77	73	70	84	77	73	70	76	72	69	75	72	69	75	71	69	69	69	69	68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	188412	188412	188412
5°	187160	187437	188457
10°	182084	180720	183746
15°	158650	160272	162768
20°	105677	106208	107234
25°	38423	39602	38613
30°	8153	10938	8153
35°	2880	4857	2733
40°	1034	1529	1034
45°	244	633	244
50°	188	268	188
55°	210	210	210
60°	241	241	241
65°	122	285	122
70°	151	151	151
75°	200	200	200
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 633 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.2	22.1
10°-20°	238.2	51.4
20°-30°	107.2	23.2
30°-40°	12.2	2.6
40°-50°	1.8	0.4
50°-60°	0.6	0.1
60°-70°	0.5	0.1
70°-80°	0.3	0.1
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°	447.7	96.7
0°-40°	459.9	99.3
0°-60°	462.2	99.8
0°-90°	463.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	463.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1094	1094	1094	1094	1094	
5°	1083	1081	1084	1089	1090	102
15°	890	892	899	906	913	236
25°	202	204	208	208	203	105
35°	14	15	23	15	13	10
45°	1	2	3	2	1	1
55°	1	1	1	1	1	1
65°	0	1	1	1	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°	1094.0	1094.0	1094.0	1094.0	1094.0
1°	1094.6	1093.6	1093.3	1095.3	1093.6
2°	1093.6	1093.0	1093.3	1095.3	1094.0
3°	1090.7	1091.0	1092.0	1095.6	1095.3
4°	1087.1	1086.8	1088.8	1093.3	1093.3
5°	1082.6	1081.3	1084.2	1089.1	1090.1
6°	1077.4	1075.7	1078.0	1084.2	1086.5
7°	1071.5	1068.3	1070.2	1077.7	1080.6
8°	1063.7	1059.5	1061.7	1069.2	1071.5
9°	1053.9	1047.4	1049.4	1058.5	1063.0
10°	1041.2	1033.1	1033.4	1043.5	1050.7
11°	1023.3	1014.2	1014.5	1027.2	1034.7
12°	999.6	991.4	993.0	1004.8	1016.8
13°	967.3	965.0	967.0	979.7	990.8
14°	936.1	933.8	937.4	949.1	954.3
15°	889.8	892.1	898.9	906.1	912.9
17.5°	743.3	752.1	760.2	765.1	771.0
20°	576.6	566.5	579.5	573.7	585.1
22.5°	372.1	379.6	382.9	379.6	380.9
25°	202.2	203.5	208.4	208.4	203.2
27.5°	86.0	92.8	99.0	96.7	86.0
30°	41.0	47.2	55.0	47.5	41.0
32.5°	23.1	27.3	35.5	26.7	22.5
35°	13.7	15.3	23.1	14.7	13.0
37.5°	8.1	8.5	12.7	8.8	7.8
40°	4.6	5.5	6.8	5.5	4.6
42.5°	2.3	3.3	4.2	3.3	2.3
45°	1.0	1.6	2.6	1.6	1.0
47.5°	1.0	1.0	1.6	1.0	1.0
50°	0.7	0.7	1.0	0.7	0.7
52.5°	0.7	0.7	0.7	0.7	0.7
55°	0.7	0.7	0.7	0.7	0.7
57.5°	0.7	0.7	0.7	0.7	0.7
60°	0.7	0.7	0.7	0.7	0.7
62.5°	0.7	0.7	0.7	0.7	0.7
65°	0.3	0.7	0.7	0.7	0.3
67.5°	0.3	0.3	0.3	0.3	0.3
70°	0.3	0.3	0.3	0.3	0.3
72.5°	0.3	0.3	0.3	0.3	0.3
75°	0.3	0.3	0.3	0.3	0.3
77.5°	0.3	0.3	0.3	0.3	0.3
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)