

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: P1323499

Luminaire Tested: LDSQA3D02R409030D2WDE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323499
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R409030D2WDE010 3LSQCDR1MMS
Description: 3in Adjustable Dim to Warm LED luminaire with, R40 optic, 3000K CCT AND, 90CRI ,
3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

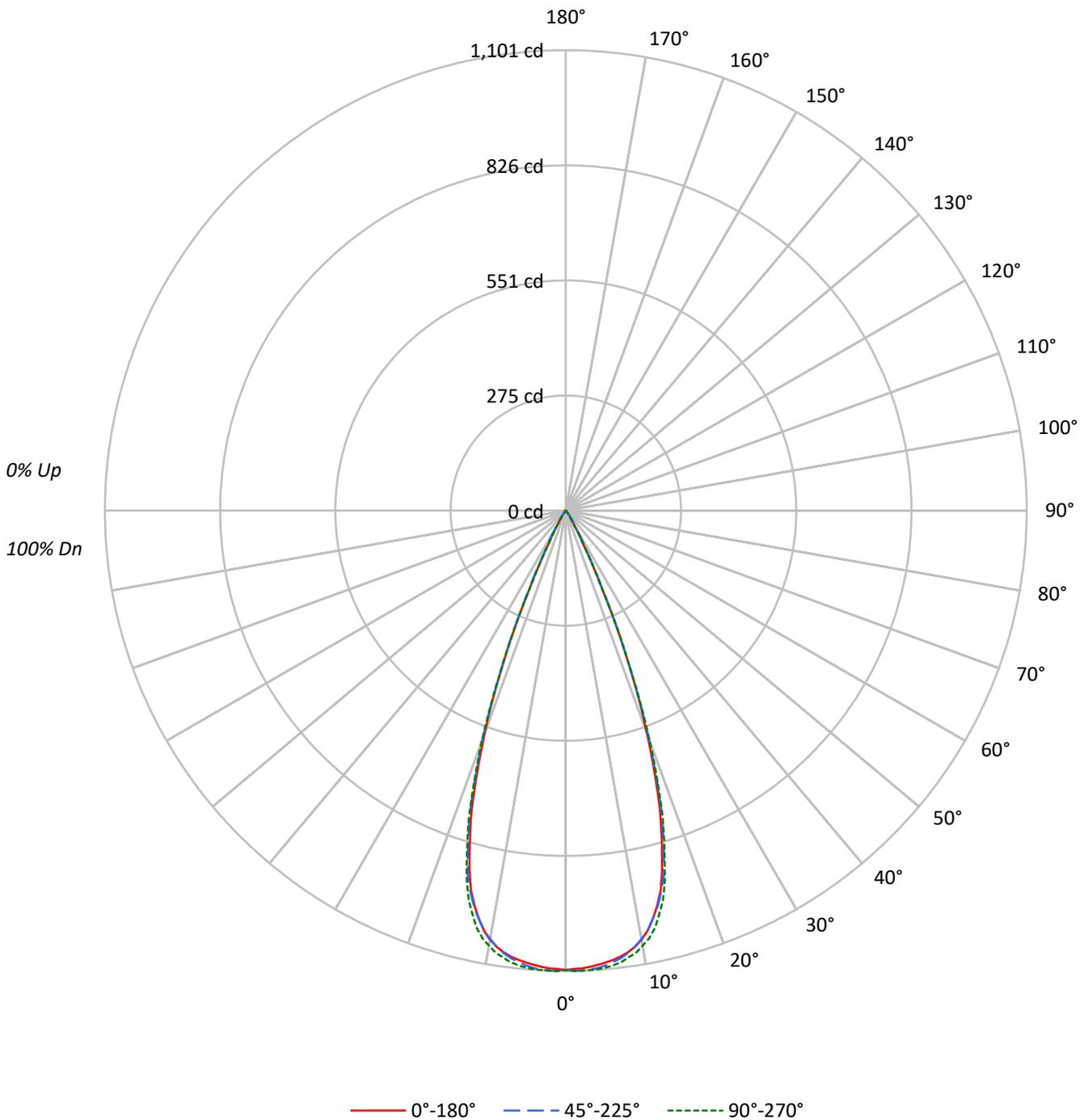
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 462.0 lumens
Efficiency: N/A
Efficacy: 64.2 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 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





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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	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	94	94	94	92
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	90	90	90	89
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	87	87	87	85
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	83	83	83	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	80	80	80	79
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	80	77	77	77	77	76
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	75	75	75	73
9	87	80	76	73	86	80	75	73	79	75	72	78	75	72	77	74	72	72	72	72	71
10	85	77	73	70	84	77	73	70	76	72	70	76	72	70	75	72	70	70	70	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	189204	189204	189204
5°	187575	188751	189650
10°	182224	181892	184743
15°	158525	161074	163054
20°	104046	106080	107436
25°	37093	39260	36903
30°	8094	10938	8153
35°	2607	4520	2523
40°	809	1394	742
45°	73	487	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: 487 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.7	22.2
10°-20°	239.3	51.8
20°-30°	107.3	23.2
30°-40°	11.6	2.5
40°-50°	1.1	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°	449.3	97.3
0°-40°	460.9	99.8
0°-60°	462.0	100.0
0°-90°	462.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	462.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1099	1099	1099	1099	1099	
5°	1085	1088	1092	1093	1097	102
15°	889	896	903	909	914	236
25°	195	201	207	210	194	104
35°	12	14	22	14	12	10
45°	0	1	2	1	0	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°	1098.6	1098.6	1098.6	1098.6	1098.6
1°	1096.4	1098.6	1100.6	1099.0	1101.3
2°	1095.4	1098.0	1100.9	1099.3	1101.3
3°	1092.8	1096.0	1099.3	1098.3	1100.3
4°	1089.2	1091.8	1096.7	1096.7	1099.6
5°	1085.0	1087.9	1091.8	1093.4	1097.0
6°	1080.4	1082.1	1085.0	1088.2	1093.1
7°	1074.6	1074.6	1078.2	1081.4	1087.9
8°	1066.4	1065.8	1068.4	1072.6	1078.5
9°	1056.4	1054.1	1056.0	1062.2	1071.0
10°	1042.0	1040.1	1040.1	1047.9	1056.4
11°	1023.5	1022.8	1023.2	1030.7	1042.0
12°	998.4	999.1	999.1	1007.6	1021.5
13°	970.1	969.8	972.7	982.2	991.6
14°	935.7	937.6	940.5	949.0	958.8
15°	889.1	895.6	903.4	908.7	914.5
17.5°	747.6	754.1	764.9	769.1	770.4
20°	567.7	577.1	578.8	587.2	586.2
22.5°	380.6	380.0	381.3	382.3	382.6
25°	195.2	201.1	206.6	210.2	194.2
27.5°	84.9	95.0	102.2	92.7	85.9
30°	40.7	46.2	55.0	46.5	41.0
32.5°	22.1	25.7	34.8	25.4	21.8
35°	12.4	14.3	21.5	14.0	12.0
37.5°	7.2	7.8	11.7	7.8	6.8
40°	3.6	4.6	6.2	4.6	3.3
42.5°	1.3	2.3	3.3	2.3	1.3
45°	0.3	0.7	2.0	0.7	0.3
47.5°	0.0	0.0	1.0	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)