

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: P1323653

Luminaire Tested: LDSQA3D05R459030D2WDE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323653
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R459030D2WDE010 3LSQCDR1MB
Description: 3in Adjustable Dim to Warm LED luminaire with, R45 optic, 3000K CCT AND, 90CRI ,
3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

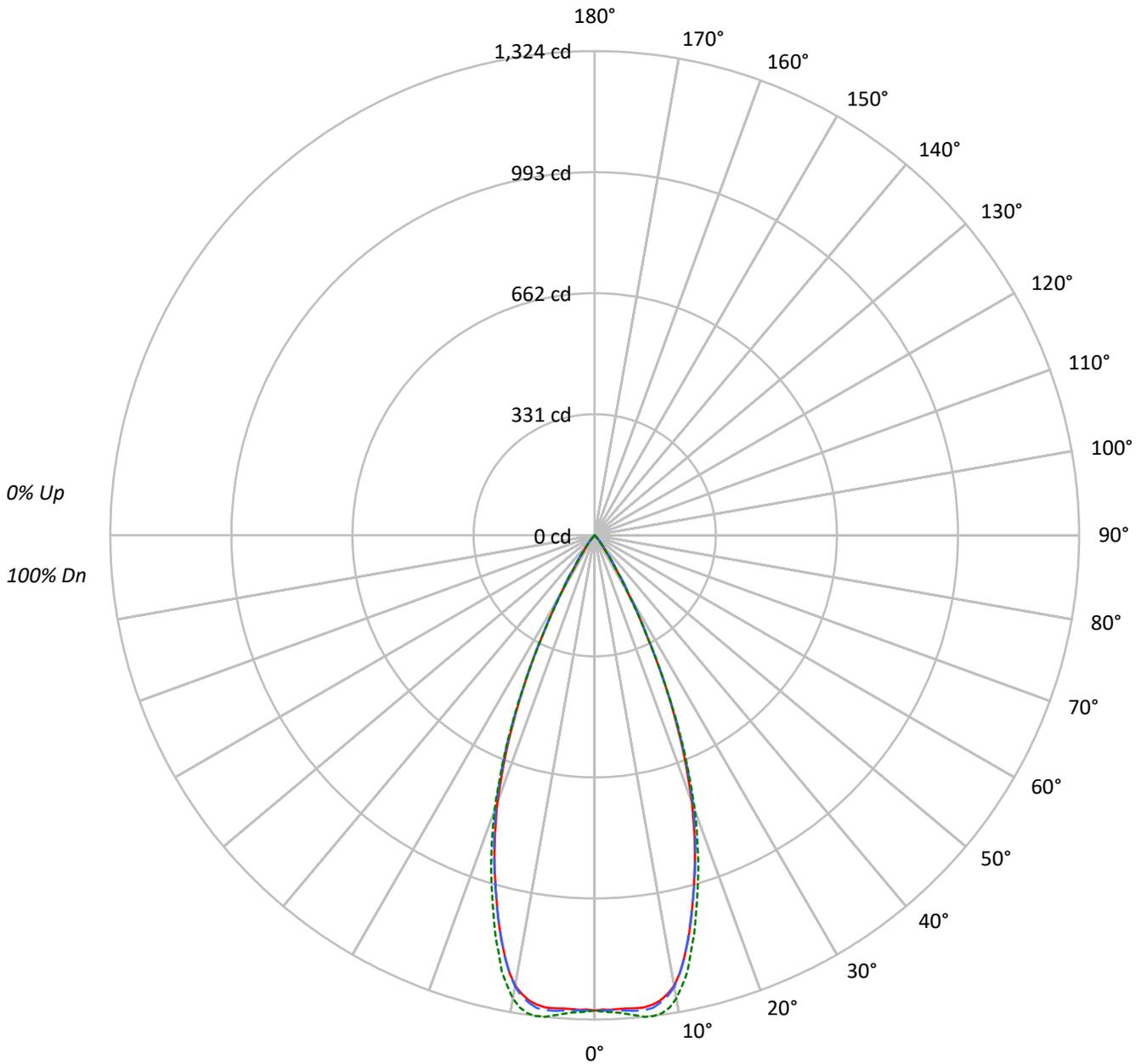
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 672.0 lumens
Efficiency: N/A
Efficacy: 60.5 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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°-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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	103	100	108	104	101	99	101	99	96	98	96	94	95	94	92	91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	83
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	70	76	73	70	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	223855	223855	223855
5°	224364	225661	227891
10°	218739	219176	224947
15°	184538	184628	190690
20°	142460	144476	146840
25°	88381	88476	89046
30°	36452	38739	35855
35°	11332	13855	10933
40°	3485	4834	3260
45°	244	1827	244
50°	0	268	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: 1827 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.7	18.4
10°-20°	287.6	42.8
20°-30°	211.0	31.4
30°-40°	45.3	6.7
40°-50°	4.3	0.6
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°	622.3	92.6
0°-40°	667.7	99.4
0°-60°	672.0	100.0
0°-90°	672.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	672.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1300	1300	1300	1300	1300	
5°	1298	1301	1305	1314	1318	123
15°	1035	1033	1036	1052	1070	285
25°	465	464	466	466	469	209
35°	54	58	66	56	52	42
45°	1	3	8	3	1	3
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°	1299.8	1299.8	1299.8	1299.8	1299.8
1°	1297.3	1300.3	1300.3	1302.3	1303.3
2°	1298.3	1300.3	1299.8	1303.3	1304.8
3°	1296.8	1300.3	1301.3	1305.3	1307.8
4°	1297.3	1300.3	1303.3	1309.3	1312.8
5°	1297.8	1301.3	1305.3	1314.3	1318.2
6°	1298.3	1300.8	1305.3	1316.7	1324.2
7°	1293.3	1296.8	1301.8	1316.2	1324.2
8°	1285.3	1287.3	1291.3	1310.3	1319.7
9°	1270.3	1269.8	1275.8	1296.8	1307.8
10°	1250.8	1244.8	1253.3	1274.3	1286.3
11°	1219.3	1212.8	1220.3	1242.8	1254.3
12°	1178.4	1178.4	1179.9	1199.9	1219.8
13°	1134.9	1129.9	1132.9	1155.4	1169.4
14°	1087.0	1082.0	1085.0	1102.0	1123.9
15°	1035.0	1033.0	1035.5	1052.0	1069.5
17.5°	911.6	907.1	916.1	932.6	941.6
20°	777.3	784.8	788.3	798.7	801.2
22.5°	622.9	630.9	635.9	637.4	638.9
25°	465.1	463.6	465.6	465.6	468.6
27.5°	305.7	305.7	311.2	307.7	304.2
30°	183.3	190.8	194.8	188.3	180.3
32.5°	99.9	107.4	113.9	104.4	97.4
35°	53.9	57.9	65.9	56.4	52.0
37.5°	29.5	33.0	38.0	32.0	29.5
40°	15.5	19.0	21.5	19.0	14.5
42.5°	5.0	9.5	12.5	9.5	4.5
45°	1.0	3.0	7.5	3.0	1.0
47.5°	0.0	0.5	3.5	0.5	0.0
50°	0.0	0.0	1.0	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)