

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: P1319850

Luminaire Tested: LDSQA3D05R409840DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319850
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: LDSQA3D05R409840DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

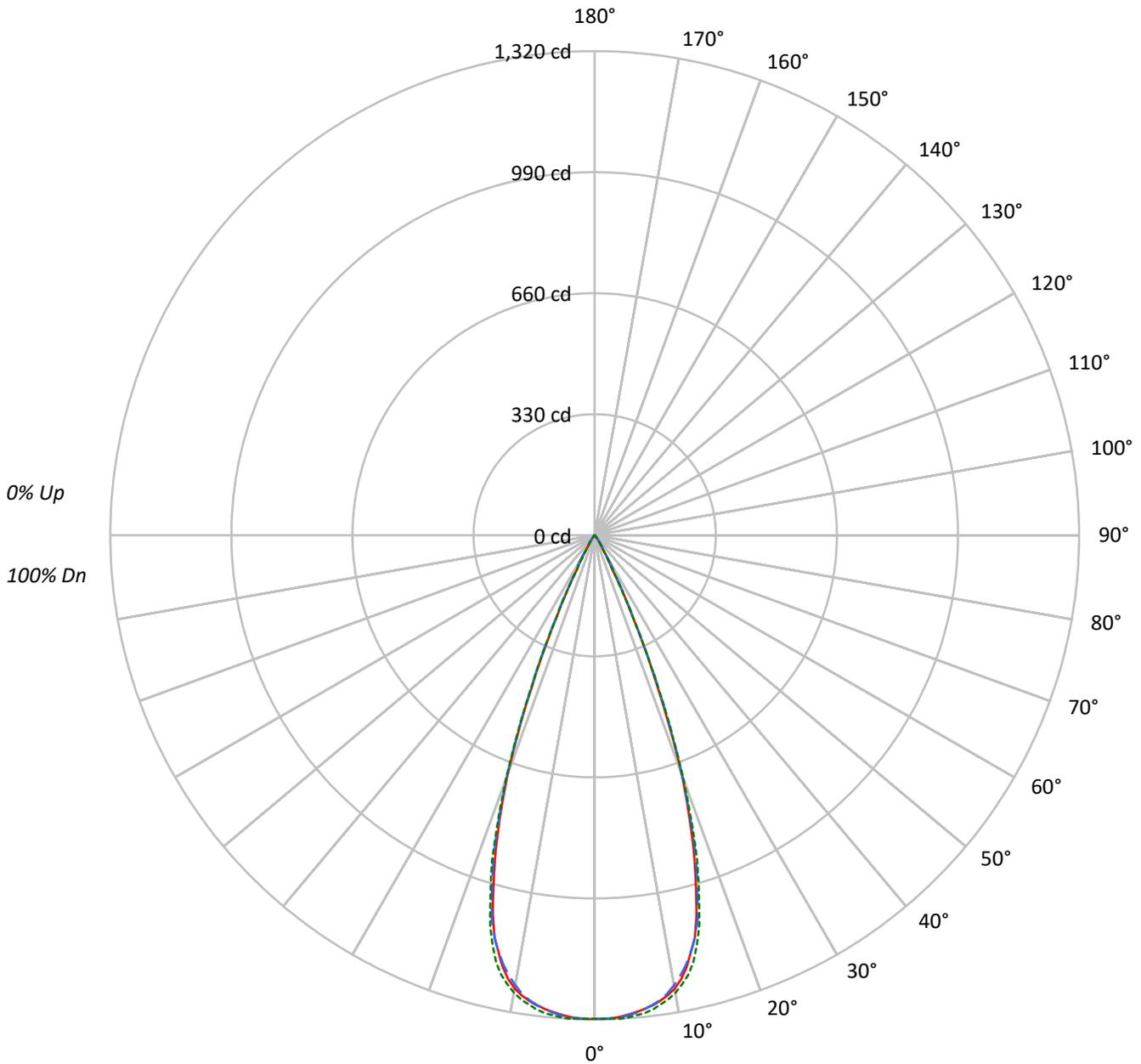
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 558.0 lumens
Efficiency: N/A
Efficacy: 77.5 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 (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



— 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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	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	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	94	94	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	90	90	88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	91	88	86	86	86	85
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	83	83	82
6	96	89	85	82	95	89	84	81	87	84	81	86	83	80	85	82	80	80	80	79
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	77	77	76
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	80	76	74	74	74	73
9	87	80	75	72	86	79	75	72	79	75	72	78	74	72	77	74	72	72	72	71
10	84	77	73	70	84	77	73	70	76	72	69	75	72	69	75	71	69	69	69	68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	227058	227058	227058
5°	225557	225903	227113
10°	219456	217812	221450
15°	191207	193168	196181
20°	127358	128018	129228
25°	46309	47716	46538
30°	9824	13185	9824
35°	3469	5866	3301
40°	1237	1844	1237
45°	292	755	292
50°	214	322	214
55°	240	240	240
60°	276	276	276
65°	163	326	163
70°	201	201	201
75°	266	266	266
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 755 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.2	22.1
10°-20°	287.1	51.4
20°-30°	129.2	23.2
30°-40°	14.7	2.6
40°-50°	2.1	0.4
50°-60°	0.7	0.1
60°-70°	0.6	0.1
70°-80°	0.4	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°	539.5	96.7
0°-40°	554.2	99.3
0°-60°	557.1	99.8
0°-90°	558.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	558.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1318	1318	1318	1318	1318	
5°	1305	1303	1307	1313	1314	123
15°	1072	1075	1083	1092	1100	285
25°	244	245	251	251	245	126
35°	16	18	28	18	16	12
45°	1	2	3	2	1	2
55°	1	1	1	1	1	1
65°	0	1	1	1	0	1
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°	1318.4	1318.4	1318.4	1318.4	1318.4
1°	1319.2	1318.0	1317.7	1320.0	1318.0
2°	1318.0	1317.3	1317.7	1320.0	1318.4
3°	1314.5	1314.9	1316.1	1320.4	1320.0
4°	1310.2	1309.8	1312.2	1317.7	1317.7
5°	1304.7	1303.1	1306.7	1312.6	1313.7
6°	1298.4	1296.5	1299.2	1306.7	1309.4
7°	1291.4	1287.4	1289.8	1298.8	1302.4
8°	1281.9	1276.8	1279.6	1288.6	1291.4
9°	1270.2	1262.3	1264.7	1275.7	1281.2
10°	1254.9	1245.1	1245.5	1257.6	1266.3
11°	1233.3	1222.3	1222.7	1238.0	1247.0
12°	1204.6	1194.8	1196.8	1210.9	1225.4
13°	1165.8	1163.1	1165.4	1180.7	1194.1
14°	1128.1	1125.4	1129.7	1143.8	1150.1
15°	1072.4	1075.2	1083.4	1092.0	1100.3
17.5°	895.8	906.4	916.2	922.1	929.2
20°	694.9	682.8	698.5	691.4	705.1
22.5°	448.5	457.5	461.5	457.5	459.1
25°	243.7	245.2	251.1	251.1	244.9
27.5°	103.6	111.8	119.3	116.5	103.6
30°	49.4	56.9	66.3	57.3	49.4
32.5°	27.9	33.0	42.8	32.2	27.1
35°	16.5	18.4	27.9	17.7	15.7
37.5°	9.8	10.2	15.3	10.6	9.4
40°	5.5	6.7	8.2	6.7	5.5
42.5°	2.7	3.9	5.1	3.9	2.7
45°	1.2	2.0	3.1	2.0	1.2
47.5°	1.2	1.2	2.0	1.2	1.2
50°	0.8	0.8	1.2	0.8	0.8
52.5°	0.8	0.8	0.8	0.8	0.8
55°	0.8	0.8	0.8	0.8	0.8
57.5°	0.8	0.8	0.8	0.8	0.8
60°	0.8	0.8	0.8	0.8	0.8
62.5°	0.8	0.8	0.8	0.8	0.8
65°	0.4	0.8	0.8	0.8	0.4
67.5°	0.4	0.4	0.4	0.4	0.4
70°	0.4	0.4	0.4	0.4	0.4
72.5°	0.4	0.4	0.4	0.4	0.4
75°	0.4	0.4	0.4	0.4	0.4
77.5°	0.4	0.4	0.4	0.4	0.4
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)