

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: P1318974

Luminaire Tested: LDSQA3D05R409835DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

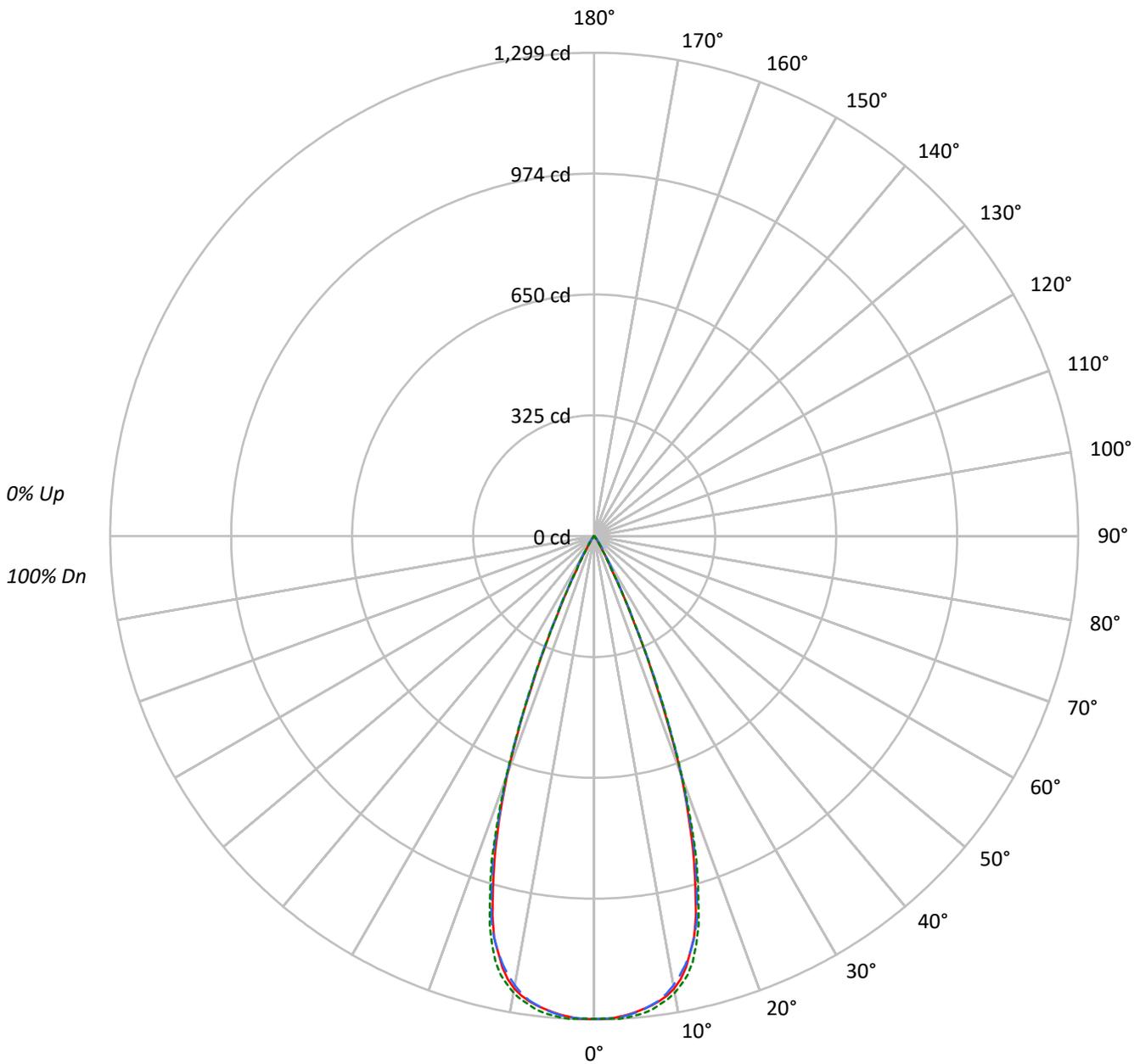
Test Method: LM-79-2019  
Report Number: P1318974  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R409835DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 549.1 lumens  
Efficiency: N/A  
Efficacy: 76.3 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 (A<sub>in</sub>): 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	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	72	70	76	72	69	75	72	69	75	71	69	69	69	69	68

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	223407	223407	223407
5°	221927	222255	223448
10°	215906	214297	217865
15°	188122	190048	193008
20°	125305	125947	127157
25°	45549	46956	45777
30°	9665	12966	9665
35°	3406	5761	3238
40°	1214	1821	1214
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°	121.2	22.1
10°-20°	282.5	51.4
20°-30°	127.1	23.2
30°-40°	14.5	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°	530.8	96.7
0°-40°	545.3	99.3
0°-60°	548.1	99.8
0°-90°	549.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	549.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1297	1297	1297	1297	1297	
5°	1284	1282	1286	1291	1292	121
15°	1055	1058	1066	1074	1082	280
25°	240	241	247	247	241	124
35°	16	18	27	17	15	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°	1297.2	1297.2	1297.2	1297.2	1297.2
1°	1297.9	1296.8	1296.4	1298.7	1296.8
2°	1296.8	1296.0	1296.4	1298.7	1297.2
3°	1293.3	1293.7	1294.9	1299.1	1298.7
4°	1289.1	1288.7	1291.0	1296.4	1296.4
5°	1283.7	1282.1	1285.6	1291.4	1292.5
6°	1277.5	1275.6	1278.3	1285.6	1288.3
7°	1270.5	1266.7	1269.0	1277.9	1281.3
8°	1261.3	1256.3	1259.0	1267.8	1270.5
9°	1249.7	1242.0	1244.3	1255.1	1260.5
10°	1234.6	1225.0	1225.4	1237.3	1245.8
11°	1213.4	1202.6	1203.0	1218.0	1226.9
12°	1185.2	1175.6	1177.5	1191.4	1205.7
13°	1147.0	1144.3	1146.6	1161.7	1174.8
14°	1109.9	1107.2	1111.5	1125.4	1131.6
15°	1055.1	1057.8	1065.9	1074.4	1082.5
17.5°	881.4	891.8	901.5	907.2	914.2
20°	683.7	671.8	687.2	680.2	693.8
22.5°	441.3	450.2	454.0	450.2	451.7
25°	239.7	241.3	247.1	247.1	240.9
27.5°	101.9	110.0	117.4	114.7	101.9
30°	48.6	56.0	65.2	56.4	48.6
32.5°	27.4	32.4	42.1	31.7	26.6
35°	16.2	18.1	27.4	17.4	15.4
37.5°	9.7	10.0	15.1	10.4	9.3
40°	5.4	6.6	8.1	6.6	5.4
42.5°	2.7	3.9	5.0	3.9	2.7
45°	1.2	1.9	3.1	1.9	1.2
47.5°	1.2	1.2	1.9	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)