

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: P1319833

Luminaire Tested: LDSQA3D05R359840DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

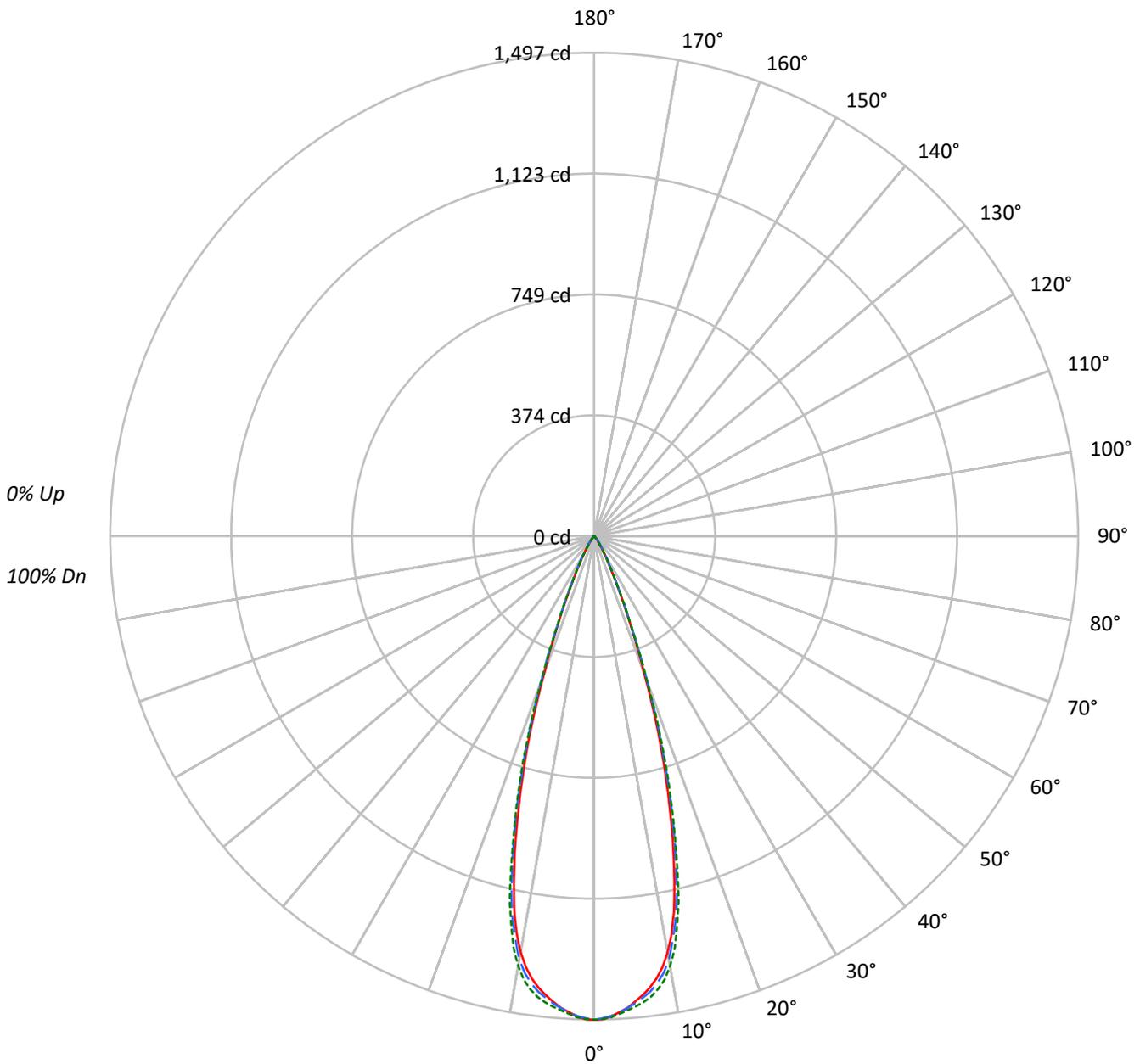
Test Method: LM-79-2019  
Report Number: P1319833  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-37)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R359840DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 503.1 lumens  
Efficiency: N/A  
Efficacy: 69.9 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52  
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	100	100	100	100
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96	96	96	96
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	93	93	93	93
3	107	102	98	95	105	101	97	95	98	96	93	96	94	92	94	92	90	89	89	89	89
4	103	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	86	86	86	86
5	100	94	90	86	99	93	89	86	91	88	85	90	87	85	89	86	84	83	83	83	83
6	97	90	86	83	96	90	86	83	88	85	82	87	84	82	86	83	81	80	80	80	80
7	94	87	83	80	93	87	82	79	85	82	79	84	81	79	83	81	78	77	77	77	77
8	91	84	80	77	90	84	79	77	83	79	76	82	78	76	81	78	76	75	75	75	75
9	88	81	77	74	88	81	77	74	80	76	74	79	76	74	79	76	73	72	72	72	72
10	86	79	75	72	85	78	74	72	78	74	71	77	74	71	76	73	71	70	70	70	70

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

	0°	45°	90°
0°	257886	257886	257886
5°	250262	251144	252838
10°	228917	232904	236472
15°	164319	170346	172093
20°	82657	87477	87697
25°	31335	32305	32438
30°	12727	14597	12489
35°	4625	7022	4457
40°	1933	2990	1844
45°	487	1242	487
50°	322	536	322
55°	360	360	360
60°	413	413	413
65°	326	326	326
70°	201	201	201
75°	266	266	266
80°	397	397	397
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1242 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	135.4	26.9
10°-20°	252.2	50.1
20°-30°	90.7	18.0
30°-40°	19.1	3.8
40°-50°	3.3	0.7
50°-60°	1.1	0.2
60°-70°	0.8	0.2
70°-80°	0.4	0.1
80°-90°	0.1	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°	478.3	95.1
0°-40°	497.4	98.9
0°-60°	501.8	99.7
0°-90°	503.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	503.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1497	1497	1497	1497	1497	
5°	1448	1450	1453	1462	1462	134
15°	922	938	955	966	965	245
25°	165	167	170	172	171	88
35°	22	26	33	26	21	17
45°	2	3	5	3	2	2
55°	1	1	1	1	1	1
65°	1	1	1	1	1	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°	1497.4	1497.4	1497.4	1497.4	1497.4
1°	1496.7	1496.7	1493.5	1497.0	1495.9
2°	1488.4	1489.2	1487.2	1491.5	1491.2
3°	1477.0	1479.0	1477.4	1483.7	1481.7
4°	1464.9	1466.4	1465.6	1473.5	1472.7
5°	1447.6	1450.3	1452.7	1462.5	1462.5
6°	1429.9	1432.7	1437.8	1448.4	1451.9
7°	1409.5	1413.0	1421.3	1435.4	1437.8
8°	1383.6	1387.5	1398.9	1414.2	1417.4
9°	1351.4	1357.3	1370.3	1388.7	1390.7
10°	1309.0	1313.7	1331.8	1347.1	1352.2
11°	1254.1	1258.0	1274.1	1298.8	1302.0
12°	1187.4	1192.1	1212.9	1229.0	1232.1
13°	1103.0	1112.0	1137.1	1152.8	1161.4
14°	1016.2	1028.4	1046.4	1068.8	1063.3
15°	921.6	937.7	955.4	965.6	965.2
17.5°	689.6	699.1	714.8	720.7	728.5
20°	451.0	463.2	477.3	482.8	478.5
22.5°	279.9	283.0	287.3	289.7	288.9
25°	164.9	167.2	170.0	171.5	170.7
27.5°	99.3	104.8	108.7	104.0	101.3
30°	64.0	66.3	73.4	67.1	62.8
32.5°	38.1	43.6	49.5	42.0	36.5
35°	22.0	25.9	33.4	25.5	21.2
37.5°	14.1	16.1	21.6	15.7	13.7
40°	8.6	11.0	13.3	10.2	8.2
42.5°	4.3	6.7	7.9	5.9	4.3
45°	2.0	3.1	5.1	3.1	2.0
47.5°	1.2	1.6	3.1	1.6	1.2
50°	1.2	1.2	2.0	1.2	1.2
52.5°	1.2	1.2	1.2	1.2	1.2
55°	1.2	1.2	1.2	1.2	1.2
57.5°	1.2	1.2	1.2	1.2	1.2
60°	1.2	1.2	1.2	1.2	1.2
62.5°	0.8	0.8	0.8	0.8	0.8
65°	0.8	0.8	0.8	0.8	0.8
67.5°	0.8	0.8	0.8	0.8	0.8
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°	0.4	0.4	0.4	0.4	0.4
82.5°	0.4	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)