

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: P1314690

Luminaire Tested: LDSQA3D13R459730DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

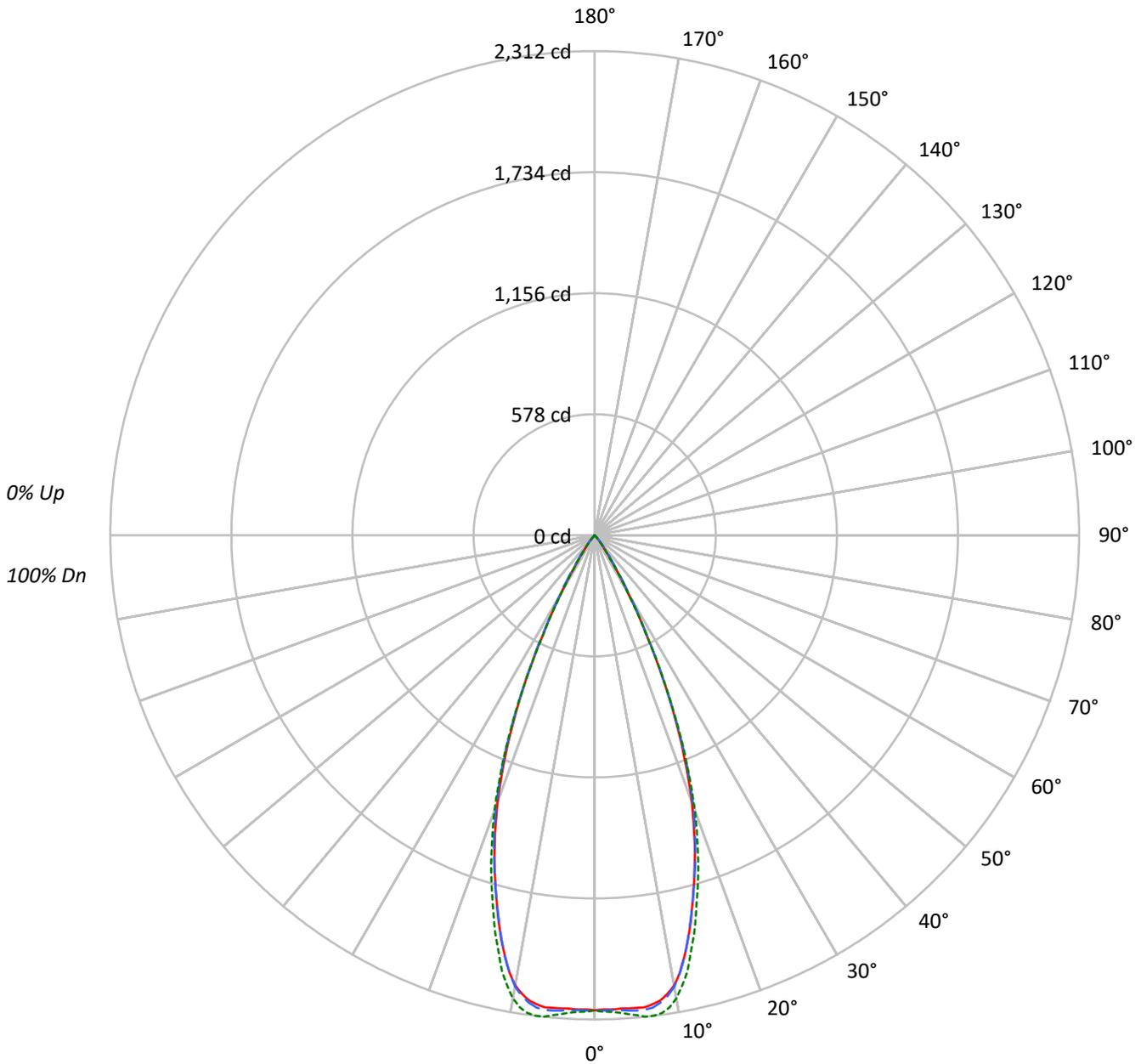
Test Method: LM-79-2019  
Report Number: P1314690  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R459730DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 97CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1173.0 lumens  
Efficiency: N/A  
Efficacy: 80.3 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): 14.6  
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	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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	103	100	108	104	101	99	101	99	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	88	88	88	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	84	84	84	83
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	80	80	80	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	77	77	77	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	73	73	73	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	70	76	73	70	70	70	70	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	67	67	67	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	65	65	65	64

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

	0°	45°	90°
0°	390739	390739	390739
5°	391626	393891	397798
10°	381814	382584	392639
15°	322131	322274	332847
20°	248650	252169	256329
25°	154264	154416	155423
30°	63637	67634	62603
35°	19805	24199	19069
40°	6070	8431	5688
45°	414	3191	414
50°	0	455	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: 3191 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	215.9	18.4
10°-20°	502.1	42.8
20°-30°	368.3	31.4
30°-40°	79.1	6.7
40°-50°	7.5	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°	1086.3	92.6
0°-40°	1165.4	99.4
0°-60°	1173.0	100.0
0°-90°	1173.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1173.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2269	2269	2269	2269	2269	
5°	2265	2271	2278	2294	2301	214
15°	1807	1803	1808	1836	1867	497
25°	812	809	813	813	818	364
35°	94	101	115	98	91	74
45°	2	5	13	5	2	4
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°	2268.8	2268.8	2268.8	2268.8	2268.8
1°	2264.4	2269.7	2269.7	2273.1	2274.9
2°	2266.2	2269.7	2268.8	2274.9	2277.5
3°	2263.6	2269.7	2271.4	2278.4	2282.7
4°	2264.4	2269.7	2274.9	2285.4	2291.5
5°	2265.3	2271.4	2278.4	2294.1	2301.0
6°	2266.2	2270.5	2278.4	2298.4	2311.5
7°	2257.5	2263.6	2272.3	2297.6	2311.5
8°	2243.5	2247.0	2254.0	2287.1	2303.7
9°	2217.3	2216.5	2226.9	2263.6	2282.7
10°	2183.3	2172.9	2187.7	2224.3	2245.2
11°	2128.4	2117.1	2130.1	2169.4	2189.4
12°	2056.9	2056.9	2059.5	2094.4	2129.3
13°	1981.0	1972.3	1977.6	2016.8	2041.2
14°	1897.3	1888.6	1893.9	1923.5	1961.9
15°	1806.7	1803.2	1807.5	1836.3	1866.8
17.5°	1591.3	1583.4	1599.1	1627.9	1643.6
20°	1356.7	1369.8	1375.9	1394.2	1398.6
22.5°	1087.3	1101.3	1110.0	1112.6	1115.2
25°	811.8	809.2	812.6	812.6	817.9
27.5°	533.6	533.6	543.2	537.1	531.0
30°	320.0	333.1	340.1	328.7	314.8
32.5°	174.4	187.5	198.8	182.2	170.0
35°	94.2	101.1	115.1	98.5	90.7
37.5°	51.4	57.5	66.3	55.8	51.4
40°	27.0	33.1	37.5	33.1	25.3
42.5°	8.7	16.6	21.8	16.6	7.8
45°	1.7	5.2	13.1	5.2	1.7
47.5°	0.0	0.9	6.1	0.9	0.0
50°	0.0	0.0	1.7	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)