

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: P1314692

Luminaire Tested: LDSQA3D13R459730DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

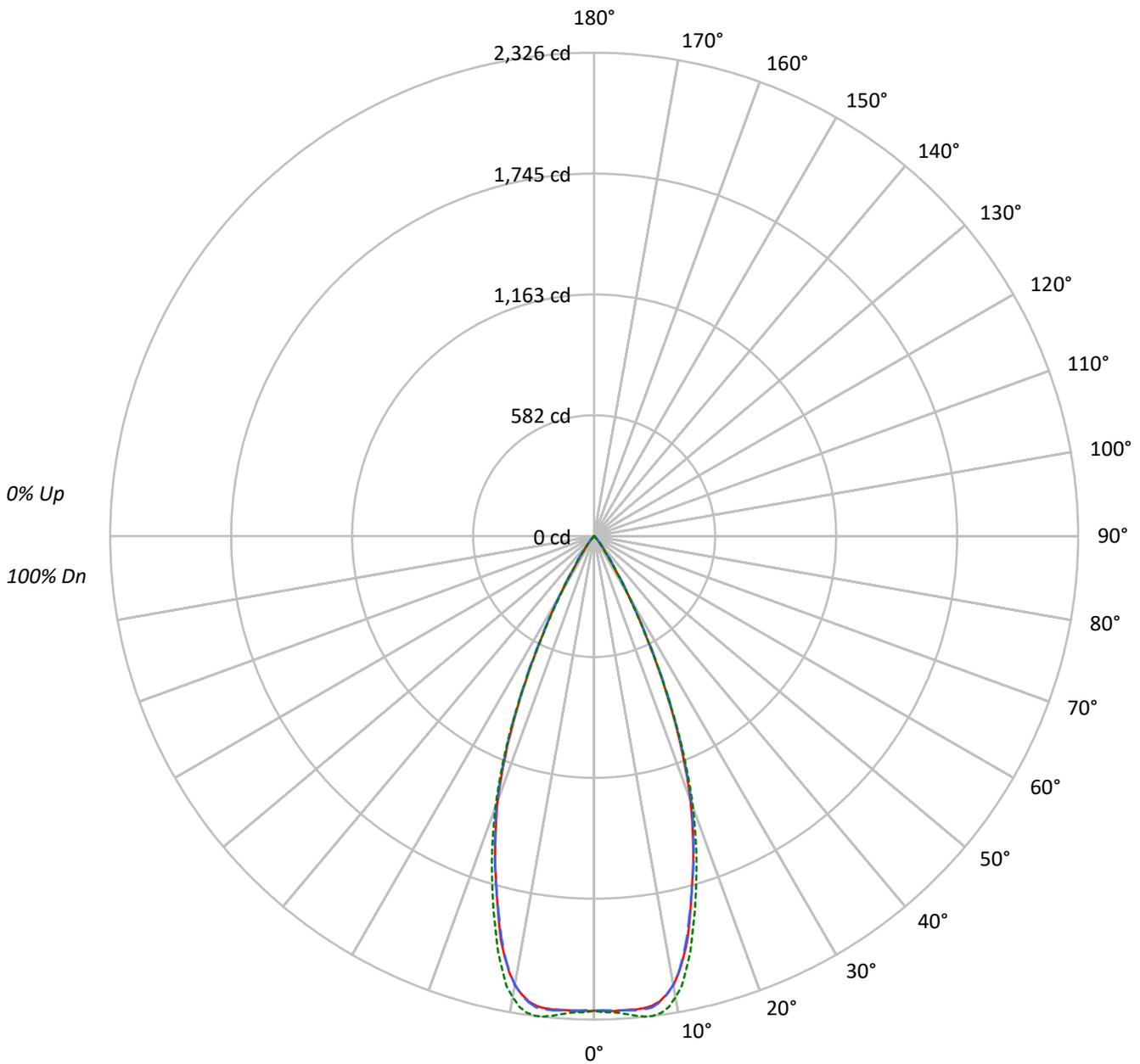
Test Method: LM-79-2019  
Report Number: P1314692  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R459730DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 97CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1182.0 lumens  
Efficiency: N/A  
Efficacy: 81.0 lumens/watt  
Spacing Criteria (0/90/45): 0.72 / 0.73 / 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 (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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	88	88	88	86
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	84	84	84	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	80	80	80	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	76	76	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	73	73	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	70	70	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	70	67	67	67	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	64	64	64	63

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

	0°	45°	90°
0°	393322	393322	393322
5°	395274	396035	400547
10°	383546	383231	393898
15°	321436	321275	333096
20°	248485	251032	254551
25°	152325	155480	152667
30°	65327	68271	63239
35°	20520	24725	19973
40°	7059	9015	6857
45°	1267	3824	1072
50°	697	1393	697
55°	781	781	781
60°	586	586	586
65°	693	693	693
70°	453	453	453
75°	599	599	599
80°	893	893	893
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 3824 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	217.1	18.4
10°-20°	501.6	42.4
20°-30°	367.2	31.1
30°-40°	81.1	6.9
40°-50°	9.9	0.8
50°-60°	2.3	0.2
60°-70°	1.6	0.1
70°-80°	1.0	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°	1085.8	91.9
0°-40°	1167.0	98.7
0°-60°	1179.2	99.8
0°-90°	1182.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1182.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2284	2284	2284	2284	2284	
5°	2286	2285	2291	2307	2317	216
15°	1803	1793	1802	1846	1868	497
25°	802	801	818	812	803	363
35°	98	103	118	103	95	77
45°	5	9	16	9	4	7
55°	3	3	3	3	3	2
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
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°	2283.8	2283.8	2283.8	2283.8	2283.8
1°	2285.5	2282.0	2281.2	2287.3	2291.6
2°	2287.3	2282.9	2283.8	2289.9	2292.5
3°	2285.5	2281.2	2285.5	2294.2	2297.7
4°	2284.7	2282.9	2287.3	2299.5	2305.6
5°	2286.4	2284.7	2290.8	2307.3	2316.9
6°	2283.8	2281.2	2289.9	2310.8	2324.7
7°	2277.7	2275.1	2284.7	2309.9	2325.6
8°	2261.1	2255.9	2265.5	2296.9	2316.0
9°	2231.5	2224.5	2234.1	2270.7	2293.4
10°	2193.2	2185.3	2191.4	2227.1	2252.4
11°	2138.3	2127.8	2134.8	2173.1	2206.2
12°	2068.6	2053.8	2062.5	2106.0	2129.6
13°	1992.8	1978.8	1980.6	2019.8	2052.9
14°	1898.7	1880.4	1888.2	1929.1	1955.3
15°	1802.8	1793.2	1801.9	1845.5	1868.2
17.5°	1583.2	1582.4	1590.2	1622.4	1634.6
20°	1355.8	1358.4	1369.7	1387.2	1388.9
22.5°	1086.6	1087.4	1099.6	1111.8	1109.2
25°	801.6	800.8	818.2	812.1	803.4
27.5°	531.5	535.0	550.7	539.4	530.6
30°	328.5	335.5	343.3	329.4	318.0
32.5°	177.8	189.1	200.4	188.2	176.9
35°	97.6	102.8	117.6	102.8	95.0
37.5°	56.6	59.3	68.8	59.3	54.0
40°	31.4	35.7	40.1	35.7	30.5
42.5°	13.1	20.0	24.4	20.0	13.1
45°	5.2	8.7	15.7	8.7	4.4
47.5°	2.6	3.5	9.6	3.5	2.6
50°	2.6	2.6	5.2	2.6	2.6
52.5°	2.6	2.6	2.6	2.6	2.6
55°	2.6	2.6	2.6	2.6	2.6
57.5°	2.6	2.6	2.6	2.6	2.6
60°	1.7	1.7	1.7	2.6	1.7
62.5°	1.7	1.7	1.7	1.7	1.7
65°	1.7	1.7	1.7	1.7	1.7
67.5°	1.7	1.7	1.7	1.7	1.7
70°	0.9	0.9	0.9	1.7	0.9
72.5°	0.9	0.9	0.9	0.9	0.9
75°	0.9	0.9	0.9	0.9	0.9
77.5°	0.9	0.9	0.9	0.9	0.9
80°	0.9	0.9	0.9	0.9	0.9
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)