

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: P1323947

Luminaire Tested: LDSQA3D13R459030D2WDE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

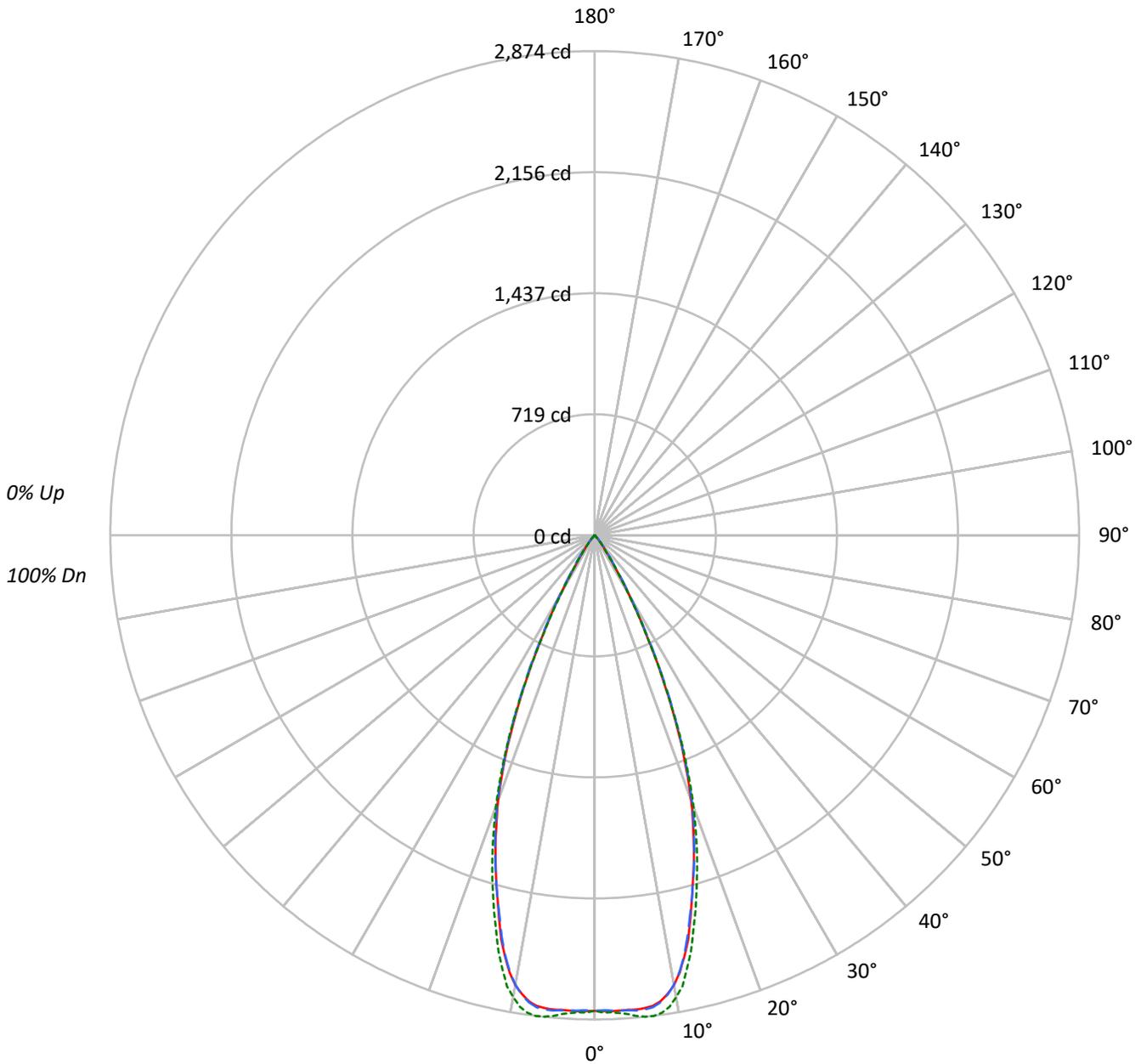
Test Method: LM-79-2019  
Report Number: P1323947  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R459030D2WDE010 3LSQCDR1MW  
Description: 3in Adjustable Dim to Warm LED luminaire with, R45 optic, 3000K CCT AND, 90CRI ,  
3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1461.1 lumens  
Efficiency: N/A  
Efficacy: 72.7 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): 20.1  
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	86	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°	486167	486167	486167
5°	488578	489511	495095
10°	474063	473696	486882
15°	397301	397123	411708
20°	307133	310304	314647
25°	188297	192174	188696
30°	80739	84379	78174
35°	25356	30570	24683
40°	8723	11129	8476
45°	1583	4725	1315
50°	857	1742	857
55°	961	961	961
60°	758	758	758
65°	897	897	897
70°	554	554	554
75°	732	732	732
80°	1091	1091	1091
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 4725 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	268.3	18.4
10°-20°	619.9	42.4
20°-30°	453.9	31.1
30°-40°	100.3	6.9
40°-50°	12.3	0.8
50°-60°	2.9	0.2
60°-70°	2.1	0.1
70°-80°	1.2	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°	1342.1	91.9
0°-40°	1442.4	98.7
0°-60°	1457.6	99.8
0°-90°	1461.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1461.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2823	2823	2823	2823	2823	
5°	2826	2824	2832	2852	2864	267
15°	2228	2216	2227	2281	2309	615
25°	991	990	1011	1004	993	449
35°	121	127	145	127	117	95
45°	6	11	19	11	5	9
55°	3	3	3	3	3	3
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°	2822.9	2822.9	2822.9	2822.9	2822.9
1°	2825.0	2820.7	2819.6	2827.2	2832.5
2°	2827.2	2821.8	2822.9	2830.4	2833.6
3°	2825.0	2819.6	2825.0	2835.8	2840.1
4°	2823.9	2821.8	2827.2	2842.2	2849.8
5°	2826.1	2823.9	2831.5	2851.9	2863.8
6°	2822.9	2819.6	2830.4	2856.2	2873.5
7°	2815.3	2812.1	2823.9	2855.2	2874.5
8°	2794.8	2788.4	2800.2	2839.0	2862.7
9°	2758.2	2749.6	2761.5	2806.7	2834.7
10°	2710.8	2701.1	2708.7	2752.8	2784.1
11°	2643.0	2630.1	2638.7	2686.1	2727.0
12°	2556.8	2538.5	2549.3	2603.1	2632.2
13°	2463.1	2445.9	2448.1	2496.5	2537.4
14°	2346.8	2324.2	2333.9	2384.5	2416.8
15°	2228.3	2216.5	2227.3	2281.1	2309.1
17.5°	1956.9	1955.9	1965.5	2005.4	2020.5
20°	1675.8	1679.1	1693.1	1714.6	1716.8
22.5°	1343.0	1344.1	1359.2	1374.3	1371.0
25°	990.9	989.8	1011.3	1003.8	993.0
27.5°	657.0	661.3	680.7	666.7	655.9
30°	406.0	414.7	424.3	407.1	393.1
32.5°	219.7	233.7	247.7	232.6	218.6
35°	120.6	127.1	145.4	127.1	117.4
37.5°	70.0	73.2	85.1	73.2	66.8
40°	38.8	44.2	49.5	44.2	37.7
42.5°	16.2	24.8	30.2	24.8	16.2
45°	6.5	10.8	19.4	10.8	5.4
47.5°	3.2	4.3	11.8	4.3	3.2
50°	3.2	3.2	6.5	3.2	3.2
52.5°	3.2	3.2	3.2	3.2	3.2
55°	3.2	3.2	3.2	3.2	3.2
57.5°	3.2	3.2	3.2	3.2	3.2
60°	2.2	2.2	2.2	3.2	2.2
62.5°	2.2	2.2	2.2	2.2	2.2
65°	2.2	2.2	2.2	2.2	2.2
67.5°	2.2	2.2	2.2	2.2	2.2
70°	1.1	1.1	1.1	2.2	1.1
72.5°	1.1	1.1	1.1	1.1	1.1
75°	1.1	1.1	1.1	1.1	1.1
77.5°	1.1	1.1	1.1	1.1	1.1
80°	1.1	1.1	1.1	1.1	1.1
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)