

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: P1318552

Luminaire Tested: LDSQA3D17R509830DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

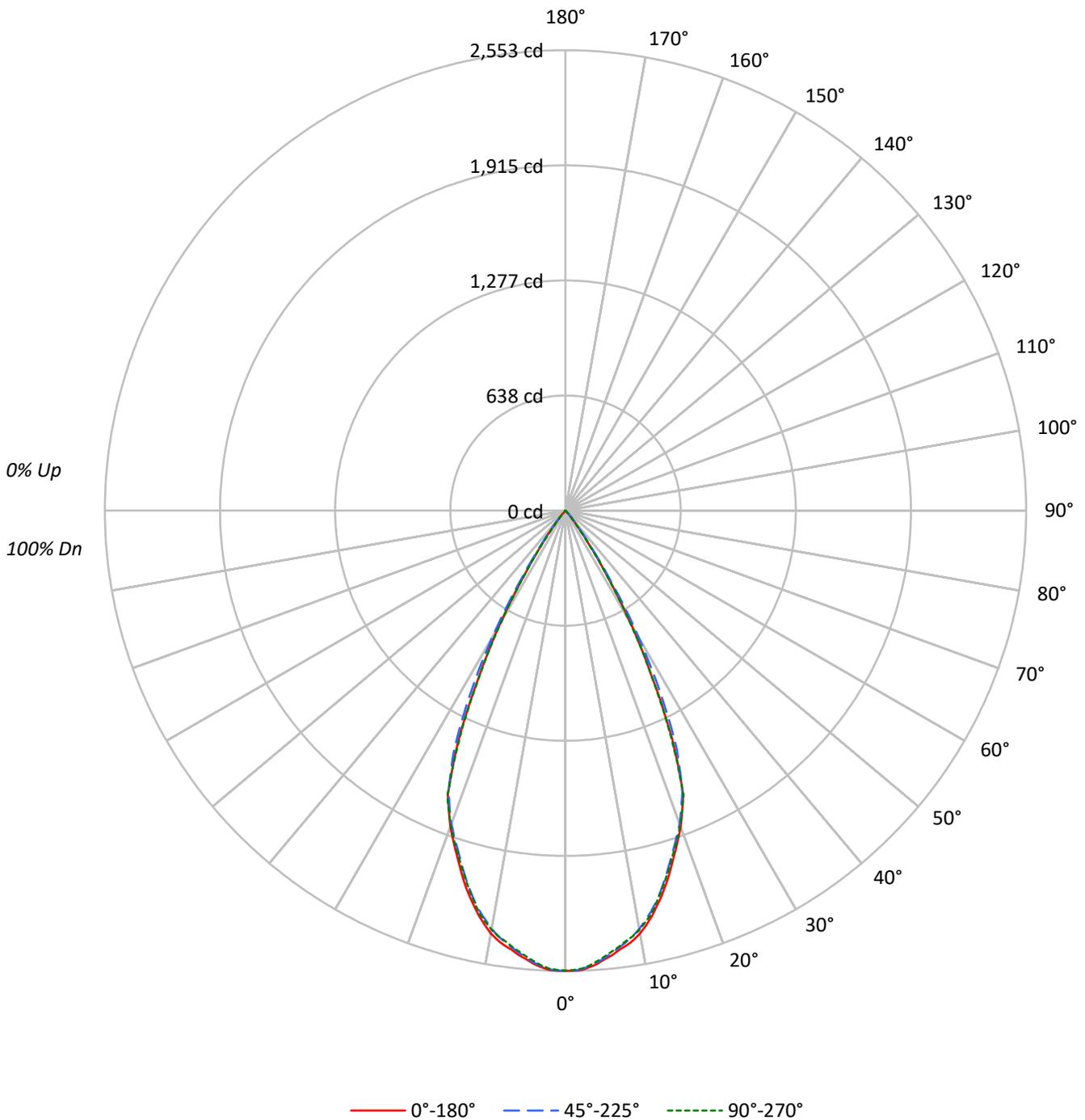
Test Method: LM-79-2019  
Report Number: P1318552  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-27)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R509830DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 98CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1643.0 lumens  
Efficiency: N/A  
Efficacy: 80.5 lumens/watt  
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 20.4  
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





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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	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	97	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	91	91	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	86	86	86	85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	82	82	82	80
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	77	77	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	73	73	73	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	70	70	70	69
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	66	66	66	65
9	81	73	67	64	80	72	67	64	71	67	64	70	66	63	70	66	63	63	63	63	62
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	60	60	60	59

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

	0°	45°	90°
0°	439409	439409	439409
5°	431752	430524	429314
10°	416388	411876	412698
15°	383038	378224	379276
20°	342047	338803	340746
25°	266208	277363	263301
30°	144197	161021	141632
35°	45455	54117	44467
40°	10049	14006	9510
45°	292	4287	292
50°	0	643	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: 4287 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	233.8	14.2
10°-20°	593.9	36.1
20°-30°	625.5	38.1
30°-40°	178.6	10.9
40°-50°	11.1	0.7
50°-60°	0.1	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°	1453.2	88.4
0°-40°	1631.9	99.3
0°-60°	1643.0	100.0
0°-90°	1643.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1643.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2551	2551	2551	2551	2551	
5°	2497	2495	2490	2488	2483	235
15°	2148	2134	2121	2125	2127	598
25°	1401	1453	1460	1443	1386	613
35°	216	232	257	219	212	169
45°	1	6	18	6	1	7
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°	2551.4	2551.4	2551.4	2551.4	2551.4
1°	2552.6	2553.8	2551.4	2553.8	2547.9
2°	2549.1	2546.7	2544.4	2545.6	2542.0
3°	2536.2	2535.0	2530.3	2531.5	2526.8
4°	2519.7	2516.2	2512.7	2510.3	2505.6
5°	2497.4	2495.0	2490.3	2488.0	2483.3
6°	2478.6	2473.9	2465.6	2463.3	2458.6
7°	2453.9	2451.5	2441.0	2438.6	2436.3
8°	2435.1	2428.0	2415.1	2416.3	2410.4
9°	2410.4	2401.0	2388.1	2388.1	2389.3
10°	2381.0	2366.9	2355.2	2358.7	2359.9
11°	2342.2	2332.8	2315.2	2323.4	2323.4
12°	2299.9	2288.2	2275.3	2282.3	2287.0
13°	2250.6	2241.2	2229.4	2236.5	2234.1
14°	2202.4	2184.8	2176.5	2185.9	2182.4
15°	2148.3	2134.2	2121.3	2124.8	2127.2
17.5°	2003.8	1988.5	1979.1	1980.3	1990.8
20°	1866.3	1860.4	1848.6	1853.3	1859.2
22.5°	1704.1	1706.4	1692.3	1695.9	1710.0
25°	1400.9	1452.6	1459.6	1443.2	1385.6
27.5°	1037.7	1115.3	1138.8	1101.2	1030.7
30°	725.1	746.3	809.7	738.0	712.2
32.5°	425.4	457.2	491.2	441.9	424.3
35°	216.2	231.5	257.4	218.6	211.5
37.5°	99.9	106.9	117.5	99.9	94.0
40°	44.7	52.9	62.3	50.5	42.3
42.5°	14.1	24.7	32.9	22.3	12.9
45°	1.2	5.9	17.6	5.9	1.2
47.5°	0.0	1.2	7.1	1.2	0.0
50°	0.0	0.0	2.4	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)