

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: P1314479

Luminaire Tested: LDSQA3D09R309730DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1314479  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R309730DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 97CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

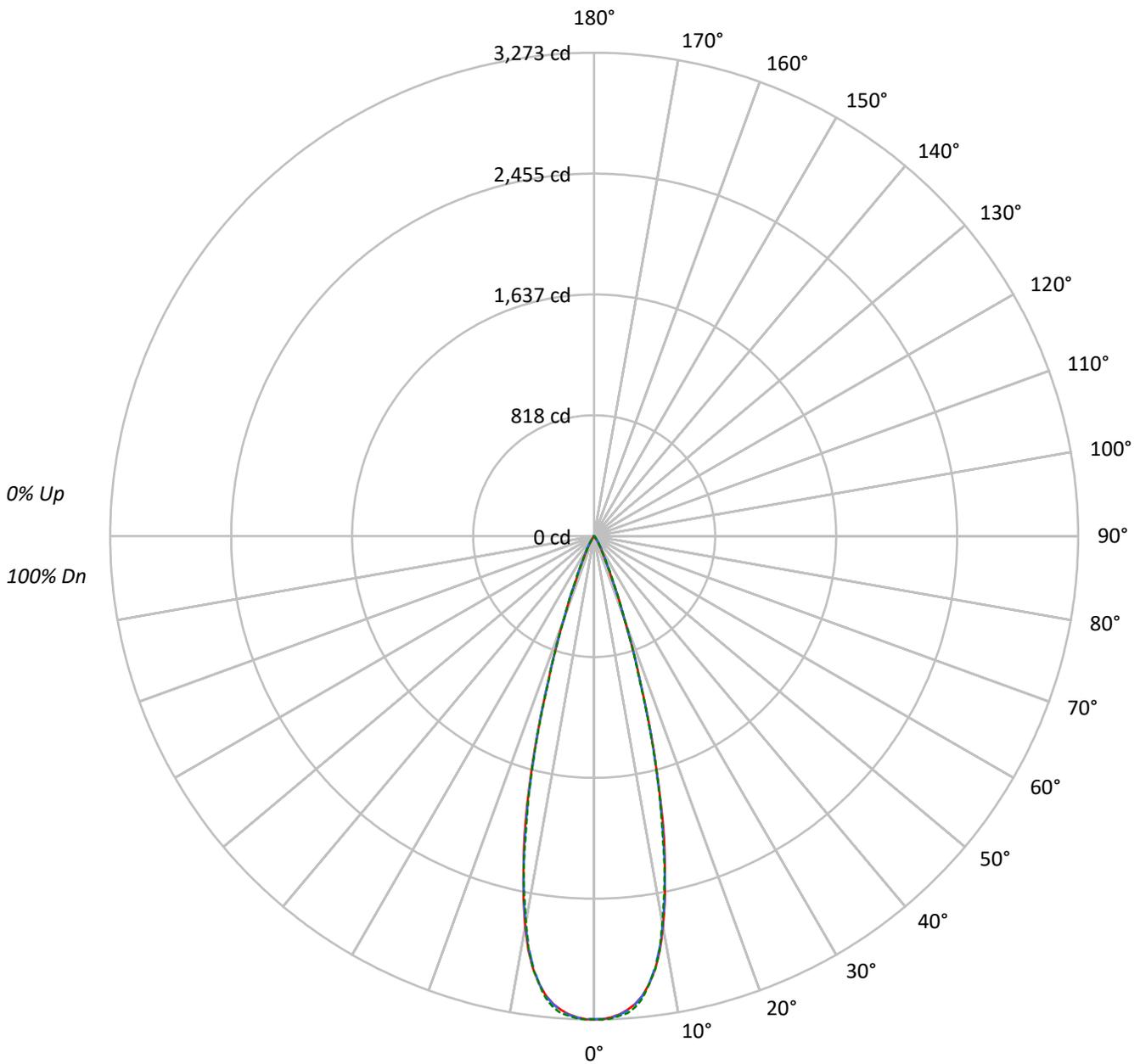
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 844.0 lumens  
Efficiency: N/A  
Efficacy: 76.0 lumens/watt  
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
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	115	113	111	110	113	111	109	108	107	106	105	103	102	101	100	99	99	99	99	99	97
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	96	95	95	94	94	94
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	92	92	92	91
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	89	89	89	88
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	87	87	87	86
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	84	84	84	83
7	96	90	86	83	95	90	86	83	89	85	83	87	85	82	87	84	82	82	82	82	81
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	84	82	80	80	80	80	79
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	78	78	78	77
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	76	76	76	75

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

	0°	45°	90°
0°	563323	563323	563323
5°	549587	550261	553339
10°	469394	467208	464445
15°	289663	286275	287327
20°	109470	110075	109965
25°	33673	36922	35174
30°	13583	17222	14100
35°	3995	7317	4142
40°	1619	2945	1619
45°	317	950	317
50°	0	188	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: 950 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	288.5	34.2
10°-20°	427.1	50.6
20°-30°	105.9	12.6
30°-40°	19.9	2.4
40°-50°	2.5	0.3
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°	821.6	97.3
0°-40°	841.5	99.7
0°-60°	844.0	100.0
0°-90°	844.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	844.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3271	3271	3271	3271	3271	
5°	3179	3178	3183	3188	3201	289
15°	1625	1609	1606	1618	1612	429
25°	177	189	194	194	185	102
35°	19	25	35	26	20	16
45°	1	2	4	3	1	2
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°	3270.9	3270.9	3270.9	3270.9	3270.9
1°	3272.2	3269.6	3269.6	3265.6	3272.9
2°	3260.4	3257.8	3262.4	3259.1	3268.3
3°	3242.7	3239.4	3246.0	3247.9	3252.5
4°	3216.4	3213.8	3221.0	3224.9	3237.4
5°	3179.0	3177.7	3182.9	3188.2	3200.7
6°	3127.8	3125.8	3129.1	3135.7	3143.6
7°	3053.6	3049.7	3052.3	3053.6	3055.6
8°	2959.8	2953.9	2950.6	2957.8	2961.7
9°	2839.0	2832.4	2825.2	2822.6	2831.8
10°	2684.1	2674.2	2671.6	2665.0	2655.8
11°	2504.2	2496.3	2494.4	2482.5	2477.3
12°	2298.1	2294.2	2298.8	2291.5	2288.9
13°	2100.5	2075.6	2072.3	2058.5	2051.3
14°	1866.8	1843.9	1843.2	1836.0	1845.8
15°	1624.6	1608.9	1605.6	1618.1	1611.5
17.5°	1035.8	1046.3	1043.7	1037.1	1026.0
20°	597.3	590.1	600.6	603.2	600.0
22.5°	318.4	321.0	323.0	330.8	336.1
25°	177.2	189.0	194.3	193.6	185.1
27.5°	110.3	117.5	127.3	120.8	113.6
30°	68.3	74.2	86.6	74.8	70.9
32.5°	36.8	46.6	55.8	46.6	38.1
35°	19.0	24.9	34.8	25.6	19.7
37.5°	12.5	14.4	22.3	14.4	12.5
40°	7.2	9.2	13.1	9.2	7.2
42.5°	3.3	5.3	7.2	5.3	3.3
45°	1.3	2.0	3.9	2.6	1.3
47.5°	0.0	0.7	2.0	0.7	0.0
50°	0.0	0.0	0.7	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)