

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: P1307975

Luminaire Tested: LDSQA3D09R359027DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307975  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R359027DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

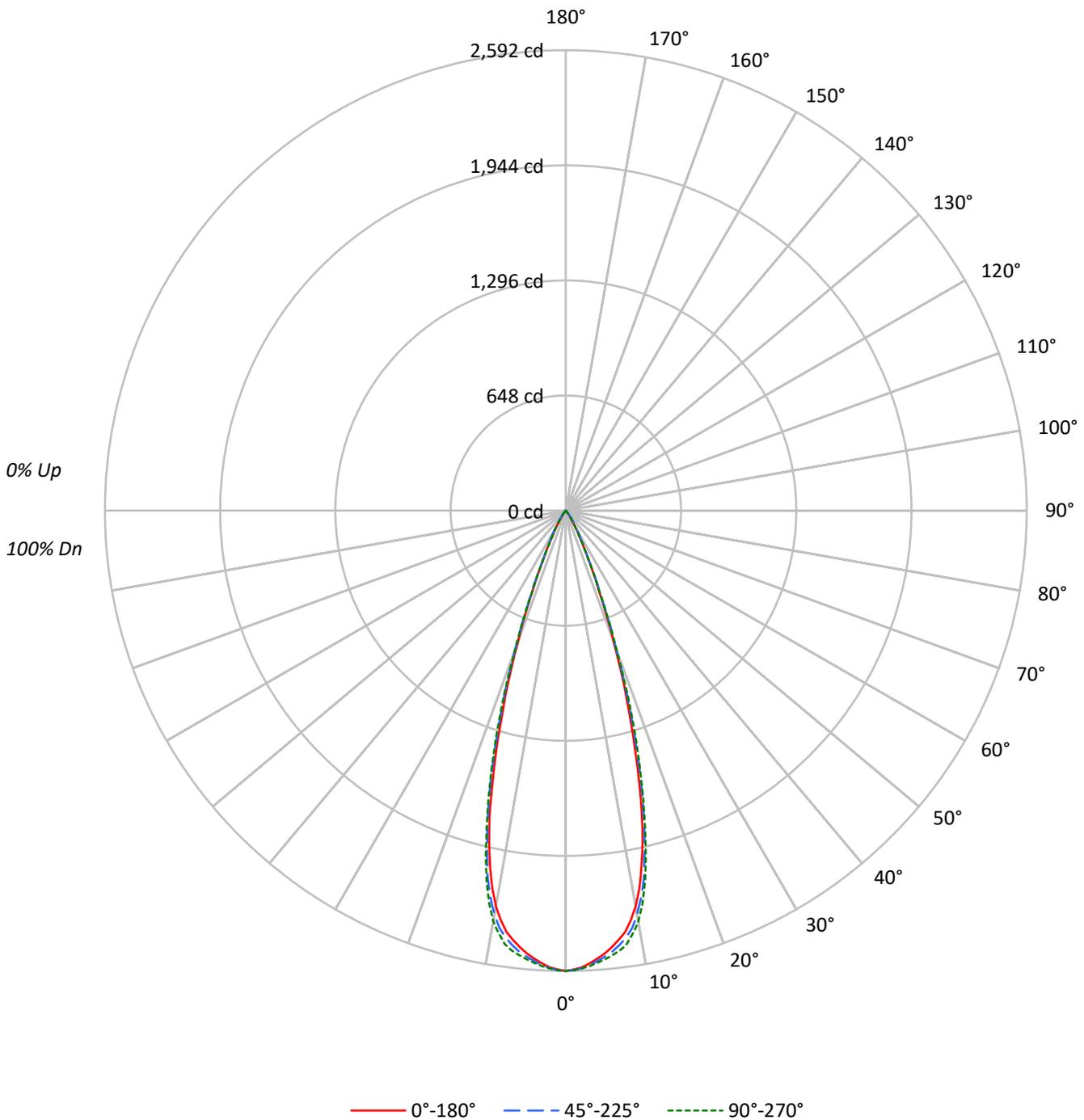
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 863.0 lumens  
Efficiency: N/A  
Efficacy: 77.7 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52  
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





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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	100	100	100	100
1	115	113	111	109	113	111	109	107	107	105	104	103	102	101	100	99	98	96	96	96	96
2	111	107	104	102	109	106	103	100	102	100	98	100	98	96	97	96	94	93	93	93	93
3	107	102	99	96	105	101	98	95	99	96	94	96	94	92	94	92	91	89	89	89	89
4	104	98	94	91	102	97	93	90	95	92	89	93	91	88	92	89	87	86	86	86	86
5	100	94	90	87	99	93	90	87	92	88	86	90	87	85	89	86	84	83	83	83	83
6	97	91	86	83	96	90	86	83	89	85	83	88	84	82	86	84	82	80	80	80	80
7	94	88	83	80	93	87	83	80	86	82	80	85	82	79	84	81	79	78	78	78	78
8	91	85	80	77	91	84	80	77	83	80	77	82	79	77	81	79	76	75	75	75	75
9	89	82	78	75	88	81	77	75	81	77	74	80	77	74	79	76	74	73	73	73	73
10	86	79	75	72	85	79	75	72	78	75	72	78	74	72	77	74	72	71	71	71	71

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

	0°	45°	90°
0°	446401	446401	446401
5°	432858	435935	438287
10°	395542	403919	410844
15°	284457	296884	299327
20°	144824	152082	152467
25°	54937	56115	54557
30°	21338	24739	20801
35°	7338	11500	6896
40°	2451	4451	2316
45°	170	1510	170
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: 1510 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	234.6	27.2
10°-20°	437.1	50.7
20°-30°	157.1	18.2
30°-40°	30.7	3.6
40°-50°	3.4	0.4
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°	828.9	96.0
0°-40°	859.6	99.6
0°-60°	863.0	100.0
0°-90°	863.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	863.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2592	2592	2592	2592	2592	
5°	2504	2511	2522	2533	2535	232
15°	1595	1622	1665	1677	1679	424
25°	289	292	295	293	287	152
35°	35	40	55	40	33	26
45°	1	2	6	2	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°	2592.0	2592.0	2592.0	2592.0	2592.0
1°	2584.4	2587.9	2588.5	2593.3	2587.9
2°	2573.5	2575.6	2578.3	2582.4	2579.7
3°	2552.3	2556.4	2562.6	2568.0	2568.0
4°	2529.8	2535.2	2542.7	2552.3	2551.6
5°	2503.8	2510.6	2521.6	2533.2	2535.2
6°	2471.0	2479.2	2496.9	2513.4	2516.1
7°	2436.1	2448.4	2465.5	2489.4	2495.6
8°	2395.1	2404.7	2429.3	2457.3	2464.1
9°	2335.0	2349.3	2380.7	2406.7	2410.8
10°	2261.8	2272.1	2309.7	2337.0	2349.3
11°	2167.5	2182.5	2219.4	2247.5	2255.7
12°	2047.2	2069.1	2112.1	2132.6	2139.5
13°	1917.3	1935.8	1969.3	1994.6	2000.0
14°	1771.0	1788.8	1823.7	1844.2	1839.4
15°	1595.4	1622.0	1665.1	1676.7	1678.8
17.5°	1178.4	1195.5	1233.8	1252.2	1265.2
20°	790.2	806.6	829.8	842.1	831.9
22.5°	480.5	494.2	506.5	505.8	502.4
25°	289.1	291.9	295.3	293.2	287.1
27.5°	168.8	176.4	186.6	179.8	169.5
30°	107.3	113.5	124.4	112.8	104.6
32.5°	56.7	71.8	83.4	67.7	59.5
35°	34.9	39.6	54.7	40.3	32.8
37.5°	21.2	24.6	34.2	23.9	19.1
40°	10.9	15.7	19.8	14.4	10.3
42.5°	3.4	7.5	10.9	6.8	3.4
45°	0.7	2.1	6.2	2.1	0.7
47.5°	0.0	0.0	2.7	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)