

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: P1311333

Luminaire Tested: LDSQA3D09R359040DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311333  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R359040DE010 3LSQPHR1MMS  
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , 3LSQPHR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

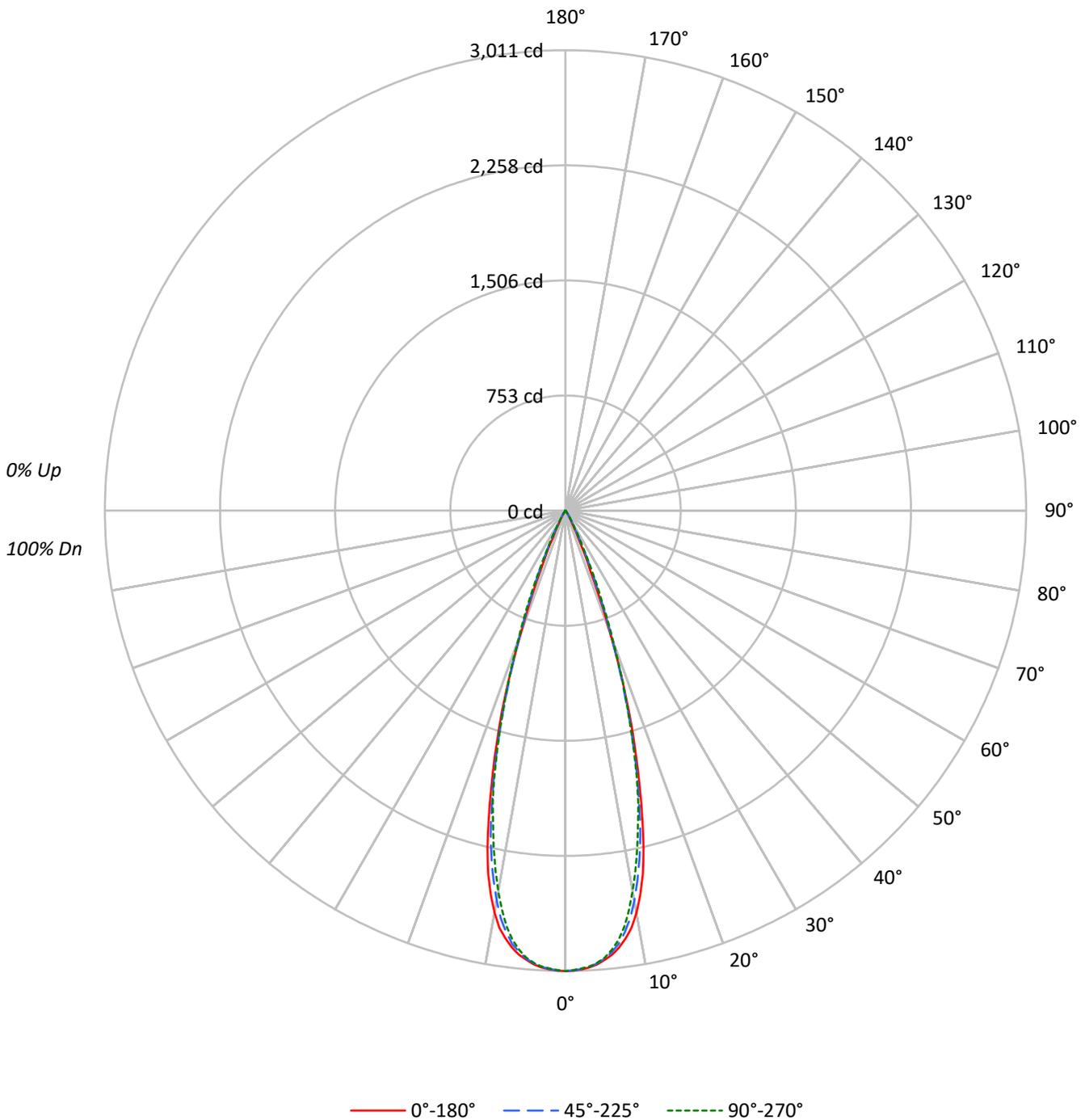
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 914.0 lumens  
Efficiency: N/A  
Efficacy: 82.3 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51  
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	108	107	106	104	103	102	101	100	99	98	97	97	97	97
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	93	93	93	93
3	108	103	100	97	106	102	99	96	99	97	94	97	95	93	95	93	92	90	90	90	90
4	104	99	95	92	103	98	94	92	96	93	91	94	92	90	93	90	89	87	87	87	87
5	101	95	91	88	100	95	91	88	93	90	87	92	89	87	90	88	86	85	85	85	85
6	98	92	88	85	97	91	88	85	90	87	84	89	86	84	88	85	83	82	82	82	82
7	96	89	85	82	94	89	85	82	87	84	81	86	83	81	85	83	81	80	80	80	80
8	93	86	82	79	92	86	82	79	85	81	79	84	81	79	83	80	78	77	77	77	77
9	90	84	80	77	89	83	79	77	82	79	76	82	79	76	81	78	76	75	75	75	75
10	88	81	77	75	87	81	77	74	80	77	74	80	76	74	79	76	74	73	73	73	73

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

	0°	45°	90°
0°	518614	518614	518614
5°	509704	508614	507525
10°	467138	453095	442078
15°	334505	323825	319902
20°	155106	160439	166066
25°	36808	52352	54614
30°	10798	12369	13940
35°	2481	3974	3637
40°	540	1057	697
45°	195	195	195
50°	214	0	214
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: 0°

Vertical Angle: 52.5°

Luminance: 226 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	270.4	29.6
10°-20°	483.3	52.9
20°-30°	145.4	15.9
30°-40°	13.9	1.5
40°-50°	1.0	0.1
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°	899.1	98.4
0°-40°	913.0	99.9
0°-60°	914.0	100.0
0°-90°	914.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	914.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3011	3011	3011	3011	3011	
5°	2948	2948	2942	2938	2936	273
15°	1876	1862	1816	1808	1794	496
25°	194	213	276	287	287	125
35°	12	16	19	20	17	11
45°	1	1	1	1	1	1
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°	3011.3	3011.3	3011.3	3011.3	3011.3
1°	3009.7	3009.7	3008.2	3008.2	3005.0
2°	3002.7	3003.4	3000.3	2999.5	2997.1
3°	2991.6	2989.3	2989.3	2987.7	2986.1
4°	2974.3	2969.6	2968.0	2968.8	2965.7
5°	2948.3	2947.5	2942.0	2938.1	2935.7
6°	2920.0	2914.5	2902.7	2892.4	2890.1
7°	2877.5	2865.7	2855.4	2834.2	2831.0
8°	2825.5	2806.6	2784.6	2754.7	2753.1
9°	2761.7	2731.0	2700.3	2660.2	2646.0
10°	2671.2	2642.9	2590.9	2555.5	2527.9
11°	2558.6	2523.2	2462.6	2420.1	2397.2
12°	2431.1	2398.0	2327.2	2288.6	2256.3
13°	2267.3	2239.8	2173.7	2131.1	2106.0
14°	2077.6	2057.1	1994.2	1975.3	1966.6
15°	1876.1	1861.9	1816.2	1808.4	1794.2
17.5°	1380.9	1357.3	1331.3	1336.0	1340.7
20°	846.3	879.4	875.4	892.8	906.1
22.5°	422.0	464.5	514.1	544.0	559.0
25°	193.7	213.4	275.5	287.4	287.4
27.5°	97.6	102.3	129.9	132.3	138.6
30°	54.3	58.3	62.2	69.3	70.1
32.5°	27.6	32.3	33.9	37.8	36.2
35°	11.8	15.7	18.9	20.5	17.3
37.5°	5.5	7.1	10.2	9.4	7.1
40°	2.4	3.1	4.7	3.9	3.1
42.5°	1.6	1.6	2.4	1.6	1.6
45°	0.8	0.8	0.8	0.8	0.8
47.5°	0.8	0.8	0.0	0.8	0.8
50°	0.8	0.0	0.0	0.0	0.8
52.5°	0.8	0.0	0.0	0.0	0.8
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)