

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: P1319147

Luminaire Tested: LDSQA3D09R559835DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319147  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R559835DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

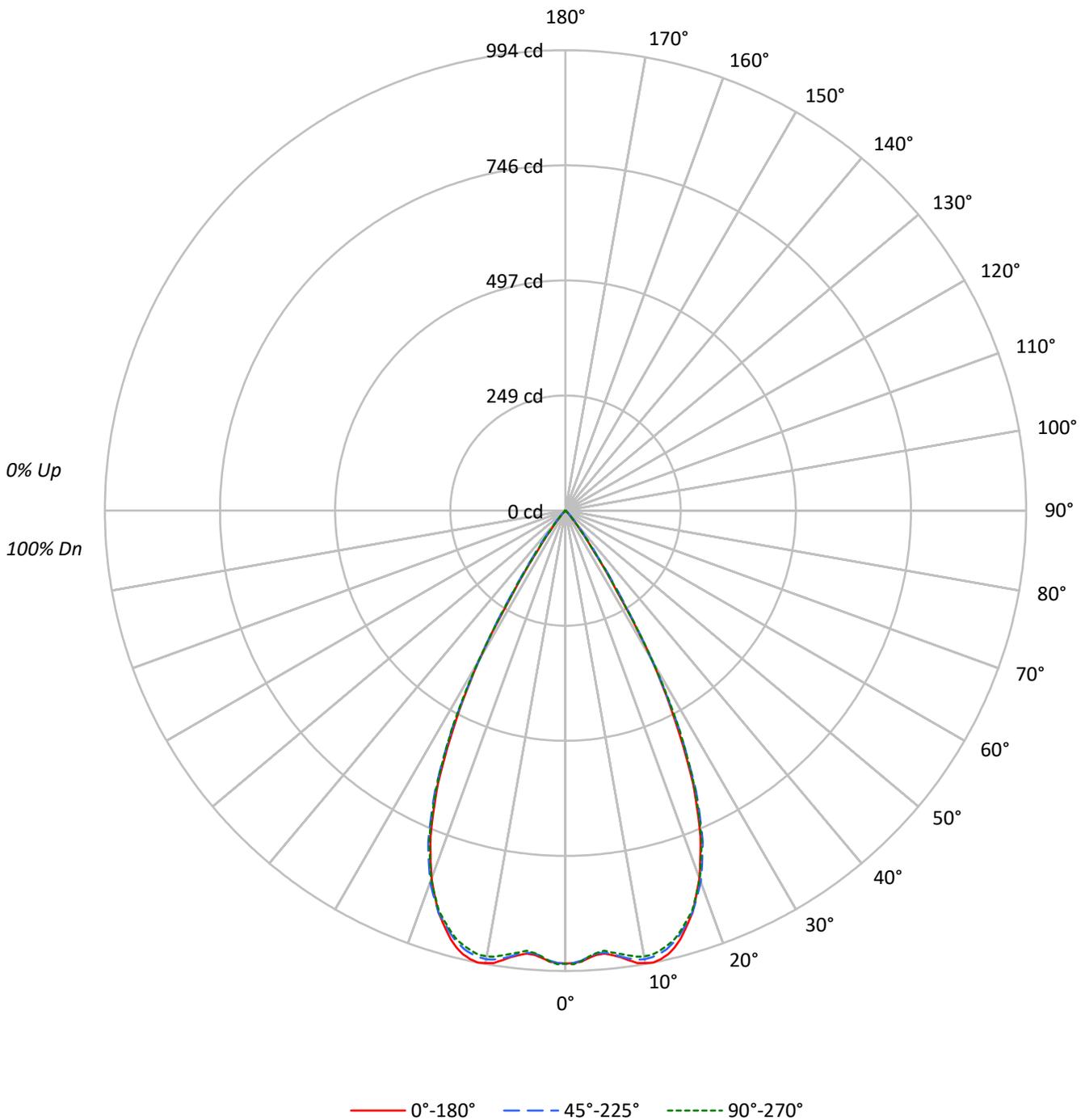
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 750.0 lumens  
Efficiency: N/A  
Efficacy: 68.2 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11  
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				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	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	95	95	95	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89	89	89	89
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	88	86	84	84	84	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	79	79	79	79
5	95	88	82	79	94	87	82	78	85	81	78	83	80	77	82	79	76	75	75	75	75
6	91	83	78	74	90	82	77	74	81	76	73	79	76	73	78	75	72	71	71	71	71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	67	67	67	67
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	63	63	63	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	60	60	60	60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	57	57	57	57

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

	0°	45°	90°
0°	168434	168434	168434
5°	166017	165723	164945
10°	173533	172029	170927
15°	170827	169294	168581
20°	154886	156462	155308
25°	123859	126463	125266
30°	74276	74276	75191
35°	21466	25419	22181
40°	6160	8341	6160
45°	1388	3191	1388
50°	616	1072	455
55°	510	510	510
60°	586	586	586
65°	448	448	448
70°	554	554	554
75°	399	399	399
80°	595	595	595
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 3191 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	92.7	12.4
10°-20°	264.3	35.2
20°-30°	291.2	38.8
30°-40°	89.1	11.9
40°-50°	8.8	1.2
50°-60°	1.6	0.2
60°-70°	1.3	0.2
70°-80°	0.7	0.1
80°-90°	0.2	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°	648.2	86.4
0°-40°	737.3	98.3
0°-60°	747.7	99.7
0°-90°	750.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	750.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	978	978	978	978	978	
5°	960	960	959	956	954	93
15°	958	956	950	946	946	266
25°	652	658	666	672	659	287
35°	102	107	121	111	106	84
45°	6	9	13	9	6	7
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
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°	978.0	978.0	978.0	978.0	978.0
1°	976.9	977.4	976.9	975.7	979.7
2°	974.6	974.0	972.3	971.7	973.5
3°	967.2	967.2	964.9	963.8	964.3
4°	961.5	961.5	958.1	956.9	957.5
5°	960.3	960.3	958.6	955.8	954.1
6°	964.9	966.0	962.1	959.2	959.2
7°	971.7	972.3	969.5	965.5	964.3
8°	980.3	980.9	976.3	971.7	969.5
9°	988.9	987.7	981.4	976.9	975.2
10°	992.3	991.7	983.7	979.2	977.4
11°	994.0	991.1	982.0	978.0	977.4
12°	990.0	987.7	978.0	974.0	972.3
13°	983.2	979.7	971.7	967.8	965.5
14°	972.3	968.9	961.5	956.9	957.5
15°	958.1	956.3	949.5	945.5	945.5
17.5°	910.7	911.9	910.2	908.4	907.3
20°	845.1	849.7	853.7	851.4	847.4
22.5°	761.3	769.3	773.9	775.0	767.6
25°	651.8	658.1	665.5	671.8	659.2
27.5°	515.5	521.2	528.1	532.1	530.4
30°	373.5	374.1	373.5	380.9	378.1
32.5°	207.6	224.7	227.5	232.7	214.4
35°	102.1	107.2	120.9	111.2	105.5
37.5°	49.0	52.5	65.6	53.6	51.3
40°	27.4	29.7	37.1	30.8	27.4
42.5°	13.1	17.1	20.0	17.7	13.1
45°	5.7	8.6	13.1	8.6	5.7
47.5°	2.3	3.4	8.0	3.4	2.3
50°	2.3	1.7	4.0	1.7	1.7
52.5°	1.7	1.7	2.3	1.7	1.7
55°	1.7	1.7	1.7	1.7	1.7
57.5°	1.7	1.7	1.7	1.7	1.7
60°	1.7	1.7	1.7	1.7	1.7
62.5°	1.1	1.7	1.7	1.7	1.1
65°	1.1	1.1	1.1	1.1	1.1
67.5°	1.1	1.1	1.1	1.1	1.1
70°	1.1	1.1	1.1	1.1	1.1
72.5°	0.6	1.1	0.6	0.6	0.6
75°	0.6	0.6	0.6	0.6	0.6
77.5°	0.6	0.6	0.6	0.6	0.6
80°	0.6	0.6	0.6	0.6	0.6
82.5°	0.6	0.6	0.6	0.6	0.6
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)