

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: P1319914

Luminaire Tested: LDSQA3D09R159840DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319914
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R159840DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

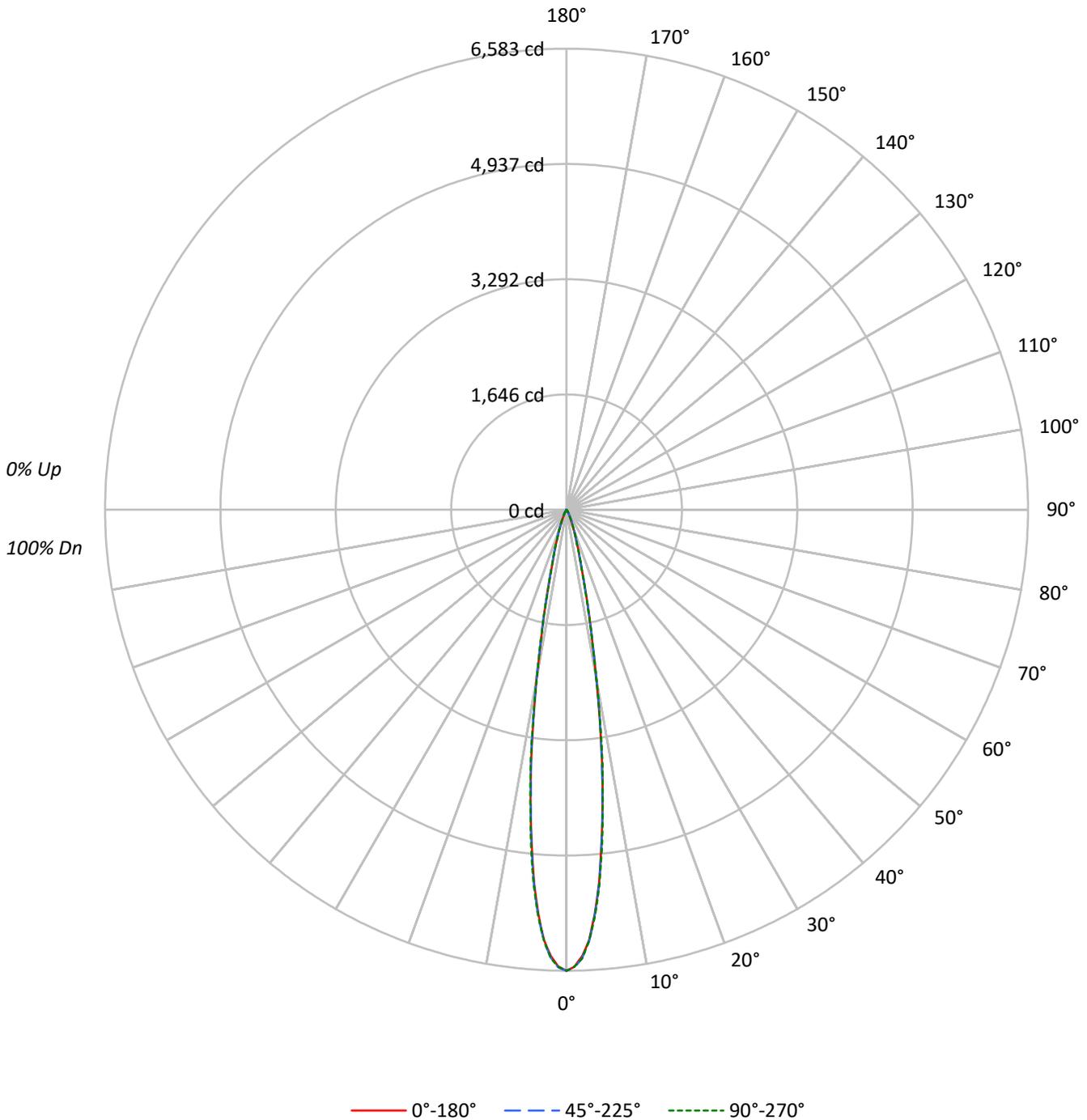
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 739.1 lumens
Efficiency: N/A
Efficacy: 67.2 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
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_{in}): 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	116	114	112	111	113	112	110	109	108	107	105	104	103	102	101	100	99	99	98	98	98
2	112	109	107	105	110	108	105	103	105	103	101	102	100	99	99	98	97	99	98	97	96
3	110	106	103	100	108	104	102	99	102	100	98	100	98	96	98	96	95	98	96	95	94
4	107	102	99	97	106	101	98	96	100	97	95	98	96	94	96	94	93	96	94	93	92
5	105	100	96	94	103	99	96	93	97	95	93	96	94	92	95	93	91	95	93	91	90
6	102	97	94	91	101	97	93	91	95	92	90	94	92	90	93	91	89	93	91	89	88
7	100	95	92	89	99	94	91	89	93	91	89	92	90	88	92	89	88	92	89	88	87
8	98	93	90	87	98	93	89	87	92	89	87	91	88	86	90	88	86	90	88	86	85
9	97	91	88	86	96	91	88	85	90	87	85	89	87	85	89	86	85	89	86	85	84
10	95	89	86	84	94	89	86	84	89	86	84	88	85	84	87	85	83	87	85	83	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1133707	1133707	1133707
5°	921868	925084	928282
10°	429329	429731	427405
15°	132832	137593	135007
20°	52967	55936	52325
25°	22157	26129	21055
30°	9009	11992	8313
35°	2922	5487	2691
40°	1034	2226	1034
45°	414	706	414
50°	322	455	322
55°	360	360	360
60°	413	413	413
65°	245	245	245
70°	302	302	302
75°	399	399	399
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 706 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	412.0	55.8
10°-20°	246.4	33.3
20°-30°	62.7	8.5
30°-40°	13.6	1.8
40°-50°	2.2	0.3
50°-60°	1.1	0.1
60°-70°	0.7	0.1
70°-80°	0.4	0.1
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°	721.1	97.6
0°-40°	734.7	99.4
0°-60°	738.0	99.9
0°-90°	739.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	739.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6583	6583	6583	6583	6583	
5°	5332	5340	5351	5327	5370	411
15°	745	766	772	761	757	245
25°	117	125	138	122	111	59
35°	14	18	26	17	13	11
45°	2	2	3	2	2	2
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
75°	1	1	1	1	1	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°	6582.8	6582.8	6582.8	6582.8	6582.8
1°	6525.4	6536.4	6538.1	6536.4	6527.1
2°	6378.6	6411.1	6404.1	6390.2	6409.9
3°	6151.7	6168.0	6165.6	6166.8	6162.2
4°	5782.7	5811.1	5794.9	5807.0	5808.2
5°	5332.4	5340.0	5351.0	5326.6	5369.5
6°	4778.3	4826.4	4784.1	4825.9	4842.7
7°	4214.9	4242.7	4188.8	4217.8	4235.2
8°	3638.7	3589.9	3619.5	3620.1	3677.6
9°	3016.7	3026.5	3051.5	3023.1	3048.0
10°	2455.0	2477.6	2457.3	2447.5	2444.0
11°	1938.6	1964.1	1962.4	1965.3	1946.1
12°	1559.7	1546.3	1555.0	1526.6	1539.4
13°	1213.9	1214.4	1207.5	1195.9	1185.4
14°	951.0	945.2	961.5	947.0	933.6
15°	745.0	765.9	771.7	760.7	757.2
17.5°	459.6	460.1	468.3	457.8	456.6
20°	289.0	295.9	305.2	294.2	285.5
22.5°	182.8	189.2	203.7	189.7	177.6
25°	116.6	124.8	137.5	121.9	110.8
27.5°	73.1	80.7	92.8	78.3	70.2
30°	45.3	50.5	60.3	49.3	41.8
32.5°	26.1	31.3	39.5	29.6	25.0
35°	13.9	18.0	26.1	17.4	12.8
37.5°	8.1	10.4	16.8	9.3	7.5
40°	4.6	6.4	9.9	5.8	4.6
42.5°	2.9	4.1	4.6	3.5	2.3
45°	1.7	2.3	2.9	2.3	1.7
47.5°	1.2	1.7	2.3	1.2	1.2
50°	1.2	1.2	1.7	1.2	1.2
52.5°	1.2	1.2	1.2	1.2	1.2
55°	1.2	1.2	1.2	1.2	1.2
57.5°	1.2	1.2	1.2	1.2	1.2
60°	1.2	1.2	1.2	1.2	1.2
62.5°	0.6	0.6	0.6	0.6	0.6
65°	0.6	0.6	0.6	0.6	0.6
67.5°	0.6	0.6	0.6	0.6	0.6
70°	0.6	0.6	0.6	0.6	0.6
72.5°	0.6	0.6	0.6	0.6	0.6
75°	0.6	0.6	0.6	0.6	0.6
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)