

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: P1315536

Luminaire Tested: LDSQA3D09R709735DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315536
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-43)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R709735DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

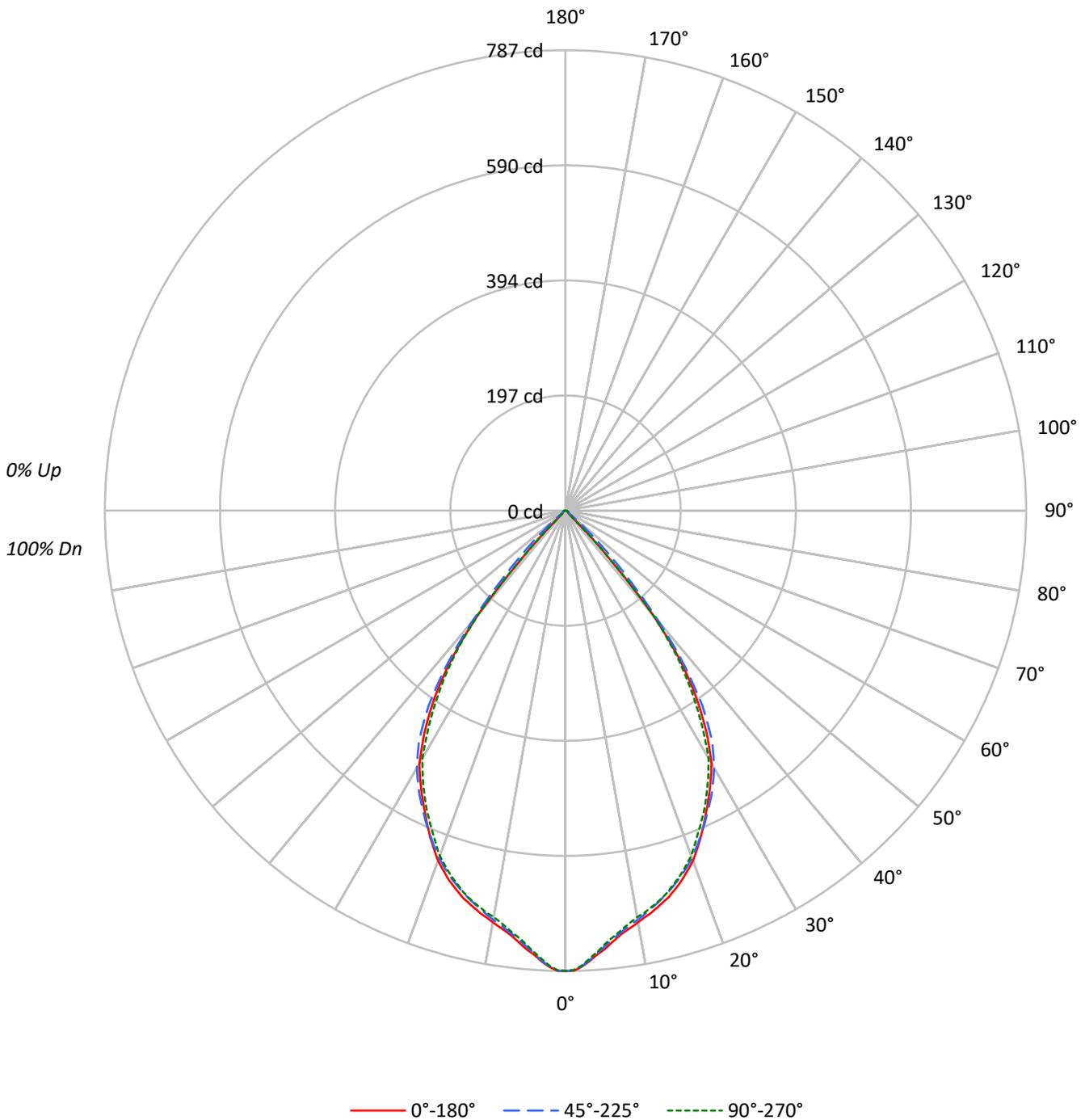
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 839.0 lumens
Efficiency: N/A
Efficacy: 75.6 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
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 (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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	95	95	95	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	87	87	87	86
3	101	95	89	85	99	93	88	84	90	86	83	88	85	82	86	83	80	80	80	80	79
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	81	77	74	74	74	74	73
5	91	82	75	71	89	81	75	71	79	74	70	77	73	69	76	72	69	69	69	69	67
6	86	76	70	65	84	75	69	65	74	69	65	72	68	64	71	67	64	64	64	64	62
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	59	59	59	58
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	55	55	55	54
9	73	62	56	52	72	62	56	52	61	56	52	60	55	52	59	55	51	51	51	51	50
10	69	59	53	48	68	58	52	48	57	52	48	57	52	48	56	51	48	48	48	48	47

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	135522	135522	135522
5°	130265	129557	129073
10°	124969	124252	123412
15°	121813	120476	120351
20°	116728	115848	115097
25°	108068	108847	106776
30°	99254	101024	97225
35°	81848	85738	78695
40°	52113	56115	52113
45°	3653	24259	3994
50°	1634	4930	1634
55°	1832	1832	1832
60°	1894	1894	1894
65°	1671	1956	1671
70°	1712	2065	1712
75°	1797	1797	1797
80°	1984	1984	1984
85°	1383	2766	1383

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 24259 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.2	8.4
10°-20°	190.1	22.7
20°-30°	261.3	31.1
30°-40°	239.3	28.5
40°-50°	63.5	7.6
50°-60°	5.7	0.7
60°-70°	4.6	0.6
70°-80°	3.1	0.4
80°-90°	1.2	0.1
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
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0°-30°	521.6	62.2
0°-40°	761.0	90.7
0°-60°	830.1	98.9
0°-90°	839.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	839.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	787	787	787	787	787	
5°	754	750	749	748	747	71
15°	683	677	676	676	675	192
25°	569	571	573	566	562	261
35°	389	396	408	389	374	236
45°	15	51	100	52	16	45
55°	6	6	6	6	6	5
65°	4	5	5	5	4	4
75°	3	3	3	3	3	3
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	786.9	786.9	786.9	786.9	786.9
1°	786.9	785.5	786.9	786.9	785.5
2°	780.7	779.4	780.0	779.4	778.7
3°	771.9	769.8	770.5	769.1	767.8
4°	761.6	759.6	759.6	758.9	757.5
5°	753.5	750.0	749.4	748.0	746.6
6°	743.9	740.5	739.8	737.8	736.4
7°	734.4	731.6	731.0	728.2	728.2
8°	726.9	723.5	723.5	720.0	720.0
9°	720.7	716.6	716.6	713.9	712.5
10°	714.6	710.5	710.5	707.1	705.7
11°	708.4	705.0	703.7	701.6	700.9
12°	703.0	698.2	696.9	696.2	694.8
13°	696.2	691.4	690.0	689.4	688.7
14°	690.0	683.9	683.2	681.9	682.5
15°	683.2	677.1	675.7	675.7	675.0
17.5°	662.1	658.0	655.9	654.6	653.2
20°	636.9	633.4	632.1	629.4	628.0
22.5°	604.1	603.4	602.8	599.4	593.9
25°	568.7	570.7	572.8	565.9	561.9
27.5°	534.6	540.0	542.1	535.3	526.4
30°	499.1	503.9	508.0	498.4	488.9
32.5°	448.0	459.6	465.7	454.8	433.0
35°	389.3	395.5	407.8	389.3	374.3
37.5°	321.2	324.6	334.1	321.8	311.6
40°	231.8	242.1	249.6	242.1	231.8
42.5°	104.3	145.9	165.0	154.1	109.1
45°	15.0	51.1	99.6	51.8	16.4
47.5°	6.1	8.2	51.8	7.5	6.1
50°	6.1	6.1	18.4	6.1	6.1
52.5°	6.1	6.1	6.8	6.1	6.1
55°	6.1	6.1	6.1	6.1	6.1
57.5°	5.5	5.5	6.1	5.5	5.5
60°	5.5	5.5	5.5	5.5	5.5
62.5°	4.8	5.5	5.5	5.5	4.8
65°	4.1	4.8	4.8	4.8	4.1
67.5°	4.1	4.1	4.1	4.1	4.1
70°	3.4	4.1	4.1	4.1	3.4
72.5°	3.4	3.4	3.4	3.4	3.4
75°	2.7	2.7	2.7	2.7	2.7
77.5°	2.0	2.7	2.7	2.7	2.0
80°	2.0	2.0	2.0	2.0	2.0
82.5°	1.4	1.4	1.4	1.4	1.4
85°	0.7	1.4	1.4	1.4	0.7
87.5°	0.7	0.7	0.7	0.7	0.7



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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)