

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: P1308043

Luminaire Tested: LDSQA3D09R709027DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308043
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: LDSQA3D09R709027DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

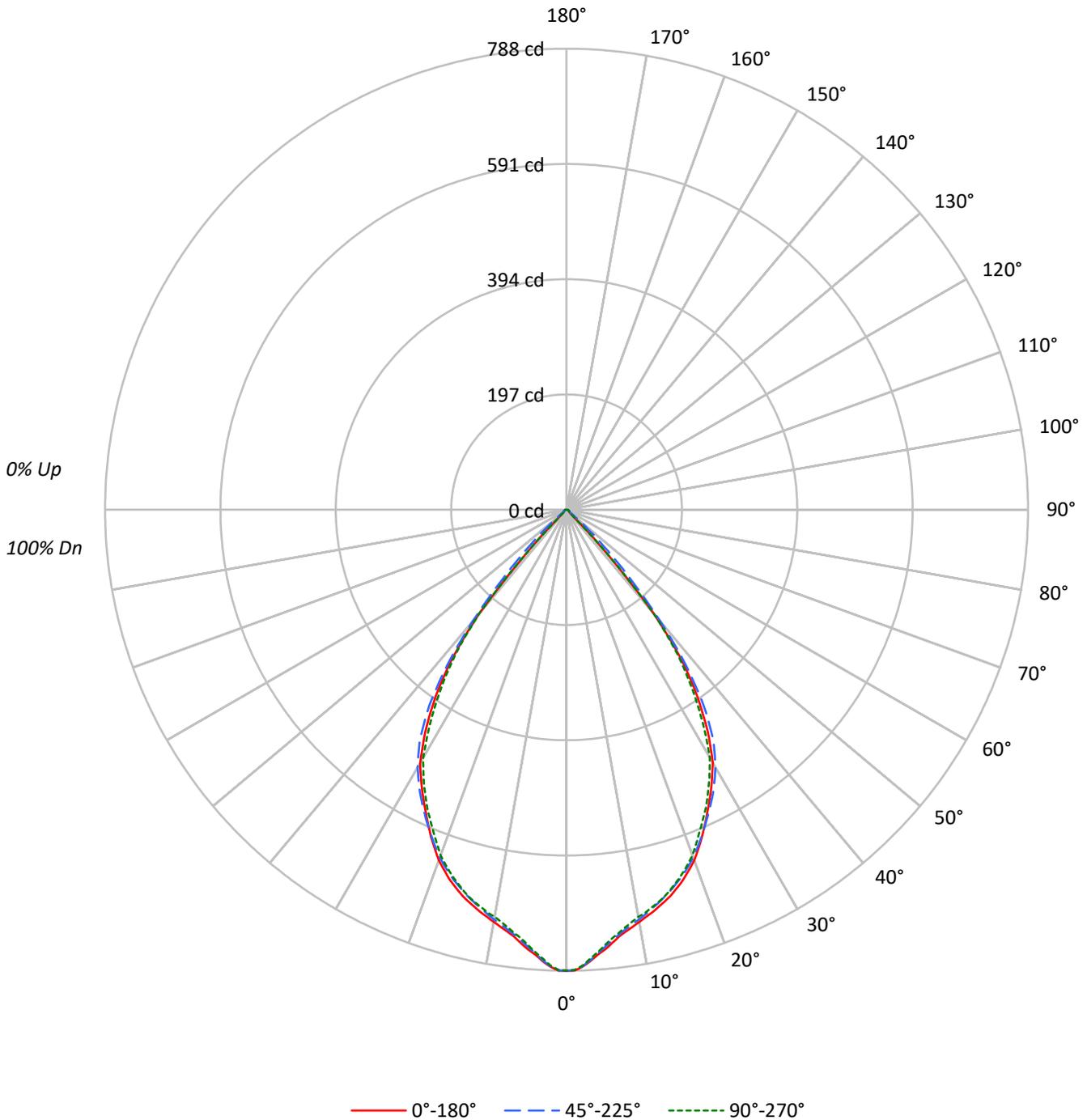
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 840.0 lumens
Efficiency: N/A
Efficacy: 75.7 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				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	76	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°	135677	135677	135677
5°	130421	129712	129228
10°	125109	124392	123570
15°	121956	120619	120494
20°	116856	115977	115225
25°	108182	108961	106890
30°	99373	101143	97345
35°	81954	85822	78800
40°	52181	56183	52181
45°	3653	24283	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: 24283 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.3	8.4
10°-20°	190.3	22.7
20°-30°	261.6	31.1
30°-40°	239.6	28.5
40°-50°	63.6	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
0°-30°	522.2	62.2
0°-40°	761.8	90.7
0°-60°	831.1	98.9
0°-90°	840.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	840.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	788	788	788	788	788	
5°	754	751	750	749	748	71
15°	684	678	676	676	676	192
25°	569	571	573	567	562	262
35°	390	396	408	390	375	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°	787.8	787.8	787.8	787.8	787.8
1°	787.8	786.4	787.8	787.8	786.4
2°	781.7	780.3	781.0	780.3	779.6
3°	772.8	770.7	771.4	770.1	768.7
4°	762.5	760.5	760.5	759.8	758.4
5°	754.4	750.9	750.3	748.9	747.5
6°	744.8	741.4	740.7	738.6	737.3
7°	735.2	732.5	731.8	729.1	729.1
8°	727.7	724.3	724.3	720.9	720.9
9°	721.6	717.5	717.5	714.8	713.4
10°	715.4	711.3	711.3	707.9	706.6
11°	709.3	705.9	704.5	702.5	701.8
12°	703.8	699.1	697.7	697.0	695.6
13°	697.0	692.2	690.9	690.2	689.5
14°	690.9	684.7	684.0	682.7	683.4
15°	684.0	677.9	676.5	676.5	675.8
17.5°	662.9	658.8	656.7	655.4	654.0
20°	637.6	634.2	632.8	630.1	628.7
22.5°	604.8	604.2	603.5	600.1	594.6
25°	569.3	571.4	573.4	566.6	562.5
27.5°	535.2	540.7	542.7	535.9	527.0
30°	499.7	504.5	508.6	499.0	489.5
32.5°	448.5	460.1	466.3	455.3	433.5
35°	389.8	395.9	408.2	389.8	374.8
37.5°	321.5	325.0	334.5	322.2	312.0
40°	232.1	242.3	249.9	242.3	232.1
42.5°	104.4	146.1	165.2	154.3	109.2
45°	15.0	51.2	99.7	51.9	16.4
47.5°	6.1	8.2	51.9	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)