

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: P1309161

Luminaire Tested: LDSQA3D09R709030DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309161
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: LDSQA3D09R709030DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

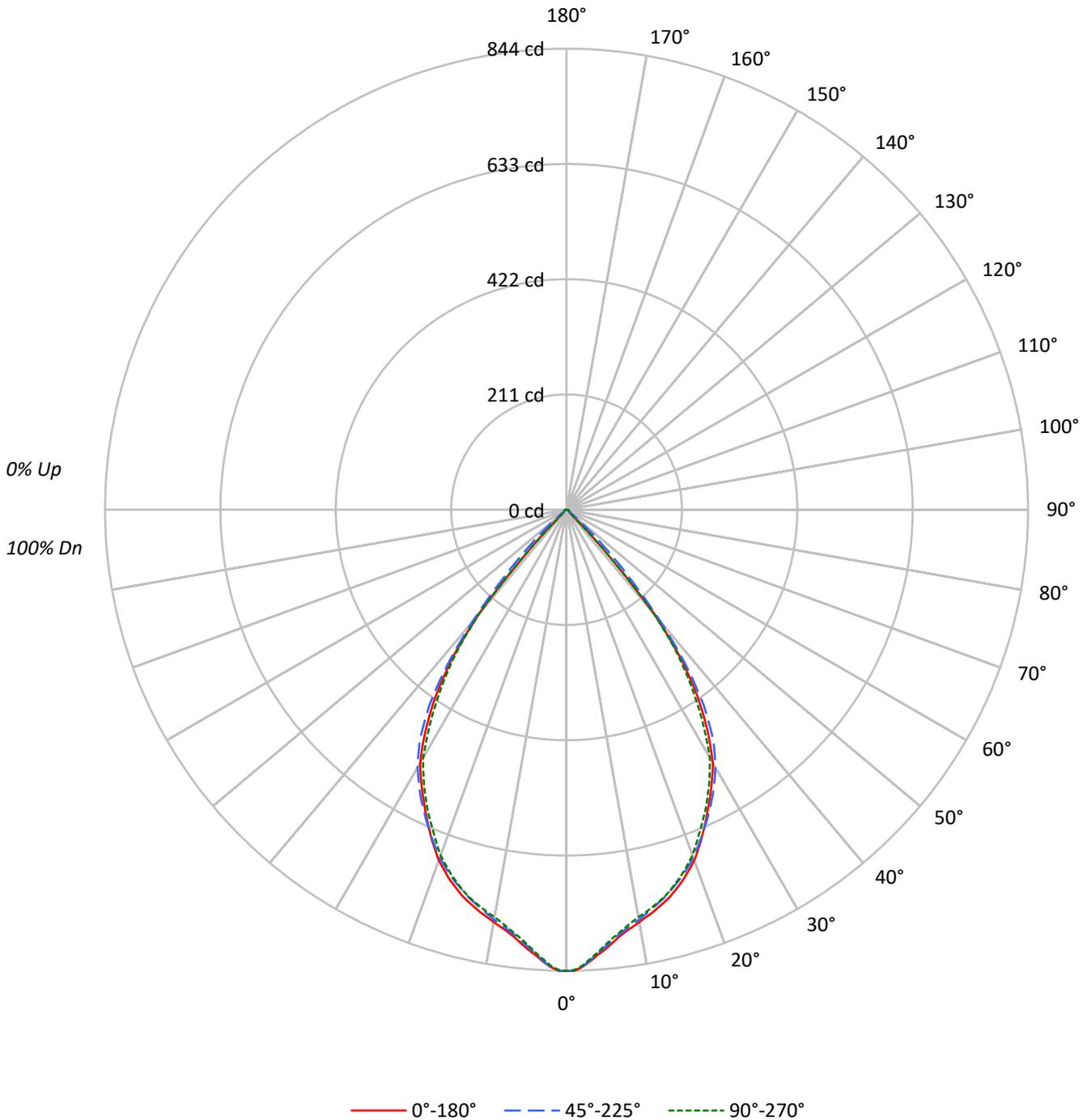
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 900.0 lumens
Efficiency: N/A
Efficacy: 81.1 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	51	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°	145373	145373	145373
5°	139722	138961	138460
10°	134045	133293	132384
15°	130675	129230	129106
20°	125214	124261	123454
25°	115916	116752	114529
30°	106473	108362	104285
35°	87798	91961	84434
40°	55913	60184	55913
45°	3921	26012	4287
50°	1768	5278	1768
55°	1982	1982	1982
60°	2032	2032	2032
65°	1793	2078	1793
70°	1863	2216	1863
75°	1930	1930	1930
80°	2182	2182	2182
85°	1383	2964	1383

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 26012 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.3	8.4
10°-20°	203.9	22.7
20°-30°	280.3	31.1
30°-40°	256.7	28.5
40°-50°	68.1	7.6
50°-60°	6.1	0.7
60°-70°	5.0	0.6
70°-80°	3.3	0.4
80°-90°	1.3	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°	559.5	62.2
0°-40°	816.3	90.7
0°-60°	890.5	98.9
0°-90°	900.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	900.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	844	844	844	844	844	
5°	808	805	804	802	801	76
15°	733	726	725	725	724	206
25°	610	612	614	607	603	280
35°	418	424	437	418	402	253
45°	16	55	107	56	18	48
55°	7	7	7	7	7	6
65°	4	5	5	5	4	5
75°	3	3	3	3	3	3
85°	1	2	2	2	1	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	844.1	844.1	844.1	844.1	844.1
1°	844.1	842.6	844.1	844.1	842.6
2°	837.5	836.0	836.8	836.0	835.3
3°	828.0	825.8	826.5	825.1	823.6
4°	817.0	814.8	814.8	814.1	812.6
5°	808.2	804.6	803.8	802.4	800.9
6°	798.0	794.3	793.6	791.4	789.9
7°	787.8	784.8	784.1	781.2	781.2
8°	779.7	776.0	776.0	772.4	772.4
9°	773.1	768.7	768.7	765.8	764.3
10°	766.5	762.2	762.2	758.5	757.0
11°	760.0	756.3	754.8	752.6	751.9
12°	754.1	749.0	747.5	746.8	745.3
13°	746.8	741.7	740.2	739.5	738.7
14°	740.2	733.6	732.9	731.4	732.2
15°	732.9	726.3	724.8	724.8	724.1
17.5°	710.2	705.8	703.6	702.2	700.7
20°	683.2	679.5	678.0	675.1	673.6
22.5°	648.0	647.3	646.6	642.9	637.1
25°	610.0	612.2	614.4	607.1	602.7
27.5°	573.4	579.3	581.5	574.2	564.7
30°	535.4	540.5	544.9	534.7	524.4
32.5°	480.6	493.0	499.6	487.9	464.5
35°	417.6	424.2	437.4	417.6	401.6
37.5°	344.5	348.2	358.4	345.2	334.3
40°	248.7	259.7	267.7	259.7	248.7
42.5°	111.9	156.5	177.0	165.3	117.0
45°	16.1	54.9	106.8	55.6	17.6
47.5°	6.6	8.8	55.6	8.0	6.6
50°	6.6	6.6	19.7	6.6	6.6
52.5°	6.6	6.6	7.3	6.6	6.6
55°	6.6	6.6	6.6	6.6	6.6
57.5°	5.9	5.9	6.6	5.9	5.9
60°	5.9	5.9	5.9	5.9	5.9
62.5°	5.1	5.9	5.9	5.9	5.1
65°	4.4	5.1	5.1	5.1	4.4
67.5°	4.4	4.4	4.4	4.4	4.4
70°	3.7	4.4	4.4	4.4	3.7
72.5°	3.7	3.7	3.7	3.7	3.7
75°	2.9	2.9	2.9	2.9	2.9
77.5°	2.2	2.9	2.9	2.9	2.2
80°	2.2	2.2	2.2	2.2	2.2
82.5°	1.5	1.5	1.5	1.5	1.5
85°	0.7	1.5	1.5	1.5	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)