

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: P1317340

Luminaire Tested: LDSQA3D09R309827DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317340
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R309827DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

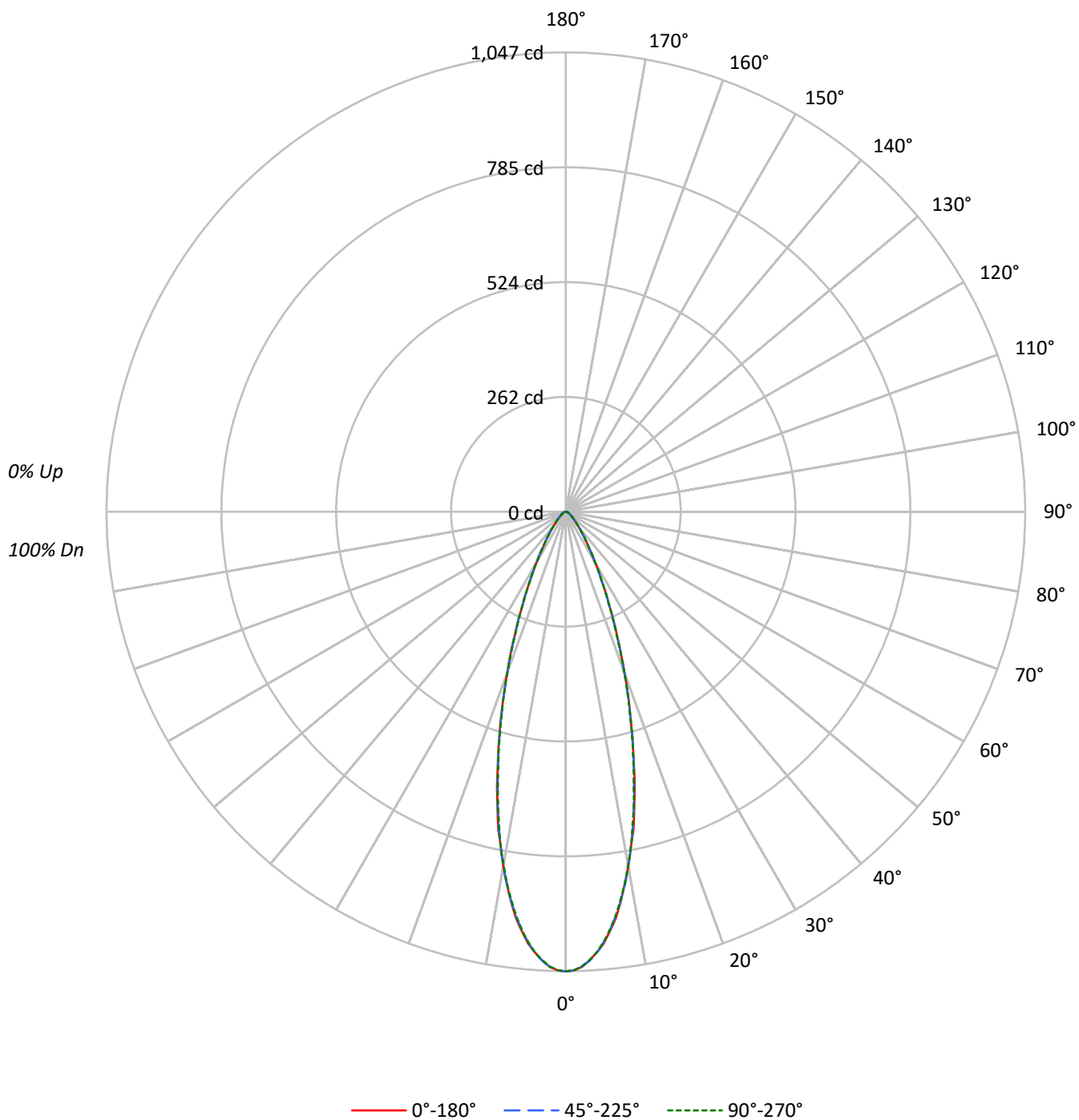
Lumens per Lamp: N/A
Luminaire Lumens: 460.0 lumens
Efficiency: N/A
Efficacy: 41.8 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
Input Voltage (V): NR
Input Current (Ain): 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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	109	106	111	109	107	105	105	103	101		101	100	98		98
2	108	104	100	97	106	102	98	95	99	96	93		96	93	91		93
3	103	97	93	89	101	96	92	88	93	90	87		91	88	85		89
4	99	92	87	83	97	91	86	82	89	84	81		87	83	80		85
5	95	87	81	77	93	86	81	77	84	80	76		82	79	76		81
6	90	82	77	73	89	82	76	73	80	76	72		79	75	72		77
7	87	78	73	69	86	78	72	69	76	72	68		75	71	68		74
8	83	75	69	66	82	74	69	65	73	68	65		72	68	65		71
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68
10	77	68	63	60	76	68	63	60	67	63	59		66	62	59		66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	180386	180386	180386
5°	170789	170339	170253
10°	143471	143471	142946
15°	106890	106622	105998
20°	71551	71166	71258
25°	44105	44010	44200
30°	26509	26509	26628
35°	16273	16273	16378
40°	10297	10297	10522
45°	7063	7185	7185
50°	5171	5171	5171
55°	3963	4114	4114
60°	3341	3341	3513
65°	2893	2893	2893
70°	2568	2820	2820
75°	2396	2396	2396
80°	1984	1984	1984
85°	988	988	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 7185 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.8	19.3
10°-20°	163.9	35.6
20°-30°	109.0	23.7
30°-40°	50.4	11.0
40°-50°	23.4	5.1
50°-60°	12.5	2.7
60°-70°	7.3	1.6
70°-80°	3.9	0.8
80°-90°	0.8	0.2
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°	361.7	78.6
0°-40°	412.1	89.6
0°-60°	448.0	97.4
0°-90°	460.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	460.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1047	1047	1047	1047	1047	
5°	988	986	985	988	985	89
15°	600	602	598	598	594	164
25°	232	232	232	232	233	109
35°	77	77	77	78	78	50
45°	29	29	30	30	30	23
55°	13	14	14	14	14	12
65°	7	7	7	7	7	7
75°	4	4	4	4	4	4
85°	0	0	0	0	0	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1047.4	1047.4	1047.4	1047.4	1047.4
1°	1045.4	1044.4	1045.4	1046.9	1044.9
2°	1038.3	1037.2	1037.2	1039.3	1037.2
3°	1024.5	1025.5	1025.0	1027.1	1023.5
4°	1007.2	1006.7	1008.7	1009.8	1006.7
5°	987.9	985.8	985.3	987.9	984.8
6°	961.4	959.9	958.9	961.9	957.8
7°	932.9	931.9	930.4	931.4	928.3
8°	897.8	897.3	896.3	897.3	893.7
9°	858.6	858.6	860.6	860.1	858.1
10°	820.4	821.4	820.4	821.4	817.4
11°	777.7	777.7	778.7	778.2	778.7
12°	740.5	736.5	735.4	734.4	731.4
13°	692.7	689.6	688.6	689.6	688.1
14°	648.9	646.9	641.8	642.8	640.8
15°	599.5	601.6	598.0	598.0	594.5
17.5°	490.1	488.1	489.1	489.6	488.1
20°	390.4	389.3	388.3	387.3	388.8
22.5°	303.3	303.8	302.8	301.8	300.8
25°	232.1	231.6	231.6	231.6	232.6
27.5°	176.1	176.1	176.1	176.6	176.6
30°	133.3	132.3	133.3	133.9	133.9
32.5°	99.8	100.8	101.3	101.3	101.3
35°	77.4	76.9	77.4	77.9	77.9
37.5°	59.0	59.0	59.5	59.5	60.1
40°	45.8	45.8	45.8	46.3	46.8
42.5°	36.1	36.1	36.6	36.6	37.2
45°	29.0	29.0	29.5	29.5	29.5
47.5°	23.4	23.4	23.9	23.9	23.9
50°	19.3	19.3	19.3	19.3	19.3
52.5°	16.3	15.8	16.3	16.3	16.3
55°	13.2	13.7	13.7	13.7	13.7
57.5°	11.2	11.7	11.7	11.7	11.7
60°	9.7	9.7	9.7	10.2	10.2
62.5°	8.1	8.7	8.7	8.7	8.7
65°	7.1	7.1	7.1	7.1	7.1
67.5°	6.1	6.1	6.1	6.1	6.6
70°	5.1	5.1	5.6	5.6	5.6
72.5°	4.6	4.6	4.6	4.6	4.6
75°	3.6	3.6	3.6	3.6	3.6
77.5°	2.5	2.5	3.1	3.1	2.5
80°	2.0	2.0	2.0	2.0	2.0
82.5°	1.5	1.5	1.5	1.5	1.5
85°	0.5	0.5	0.5	0.5	0.5
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)