

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: P1314488

Luminaire Tested: LDSQA3D09R309730DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314488
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R309730DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 97CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

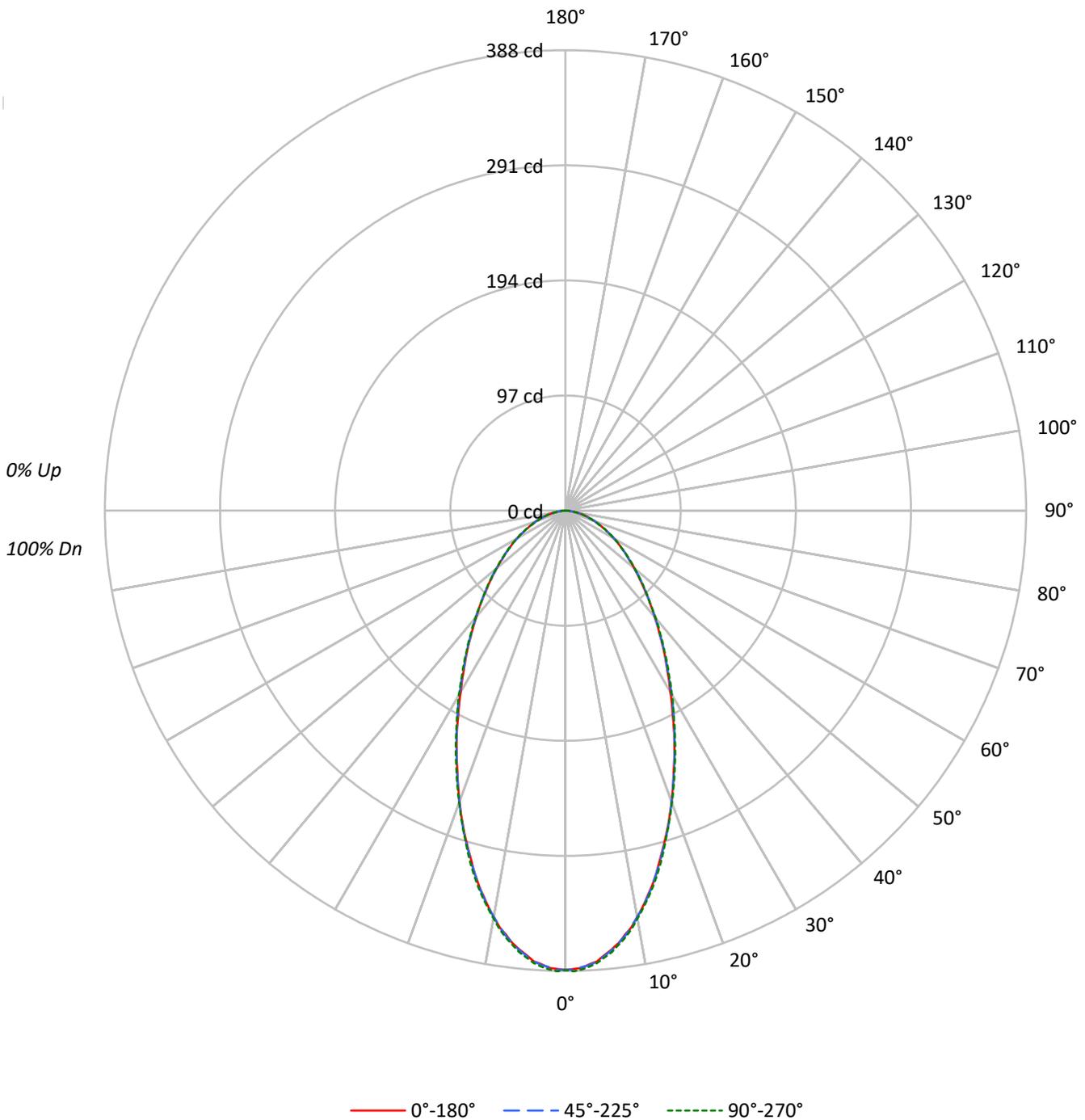
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 496.9 lumens
Efficiency: N/A
Efficacy: 44.8 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77
3	95	86	80	74	93	85	79	74	82	77	72	79	75	71	77	73	70	68
4	89	78	71	65	87	77	70	65	75	69	64	73	67	63	71	66	62	61
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54
6	77	66	58	52	76	65	58	52	63	57	52	62	56	51	60	55	51	49
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	45
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	38
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	66667	66667	66667
5°	65020	65124	65366
10°	60841	60841	61068
15°	54541	54666	55041
20°	47872	47872	48000
25°	41274	41274	41540
30°	35140	35537	35676
35°	30359	30507	30633
40°	26282	26439	26574
45°	22943	23114	23114
50°	20256	20256	20443
55°	18166	18166	18166
60°	16327	16327	16327
65°	14548	14548	14548
70°	13143	13143	13143
75°	11911	11445	11445
80°	10215	9521	9521
85°	6719	6719	6719

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 23114 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.0	7.1
10°-20°	85.5	17.2
20°-30°	99.8	20.1
30°-40°	90.8	18.3
40°-50°	73.4	14.8
50°-60°	54.2	10.9
60°-70°	35.6	7.2
70°-80°	18.4	3.7
80°-90°	4.2	0.8
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°	220.3	44.3
0°-40°	311.1	62.6
0°-60°	438.7	88.3
0°-90°	496.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	496.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	387	387	387	387	387	
5°	376	376	377	377	378	35
15°	306	307	307	307	309	85
25°	217	217	217	217	219	100
35°	144	144	145	145	146	90
45°	94	95	95	95	95	73
55°	60	60	60	60	60	54
65°	36	36	36	36	36	36
75°	18	17	17	17	17	19
85°	3	3	3	3	3	4
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	387.1	387.1	387.1	387.1	387.1
1°	386.4	386.4	387.1	386.4	388.4
2°	385.7	385.0	385.0	385.0	387.1
3°	382.9	382.9	383.6	382.9	385.0
4°	380.9	380.2	380.9	380.2	382.2
5°	376.1	376.1	376.7	376.7	378.1
6°	371.9	371.9	372.6	371.9	374.0
7°	367.1	367.1	367.1	367.1	368.5
8°	360.9	360.9	361.6	361.6	363.0
9°	355.4	354.7	354.7	354.7	356.8
10°	347.9	347.9	347.9	347.9	349.2
11°	340.3	340.3	340.3	340.3	341.7
12°	332.1	332.1	332.7	332.1	334.1
13°	324.5	324.5	324.5	324.5	325.9
14°	315.6	314.9	315.6	315.6	317.6
15°	305.9	306.6	306.6	306.6	308.7
17.5°	283.9	283.9	284.6	283.2	284.6
20°	261.2	260.6	261.2	261.2	261.9
22.5°	237.9	238.6	238.6	238.6	239.9
25°	217.2	216.6	217.2	217.2	218.6
27.5°	195.9	196.6	197.3	196.6	198.0
30°	176.7	178.1	178.7	177.4	179.4
32.5°	159.5	159.5	160.2	160.9	161.6
35°	144.4	143.7	145.1	145.1	145.7
37.5°	129.9	129.9	129.9	130.6	131.3
40°	116.9	116.9	117.6	117.6	118.2
42.5°	105.2	104.5	105.2	105.2	105.2
45°	94.2	94.9	94.9	94.9	94.9
47.5°	84.6	84.6	85.2	84.6	85.2
50°	75.6	75.6	75.6	75.6	76.3
52.5°	67.4	67.4	67.4	67.4	68.1
55°	60.5	59.8	60.5	59.8	60.5
57.5°	53.6	53.6	53.6	53.6	53.6
60°	47.4	46.7	47.4	46.7	47.4
62.5°	41.2	41.2	41.2	41.2	41.2
65°	35.7	35.7	35.7	35.7	35.7
67.5°	30.9	30.9	30.9	30.2	30.2
70°	26.1	26.1	26.1	26.1	26.1
72.5°	22.0	21.3	21.3	21.3	21.3
75°	17.9	17.2	17.2	17.2	17.2
77.5°	13.7	13.7	13.1	13.1	13.7
80°	10.3	9.6	9.6	9.6	9.6
82.5°	6.2	6.2	6.2	6.2	6.2
85°	3.4	3.4	3.4	3.4	3.4
87.5°	0.7	0.7	0.7	1.4	1.4



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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)