

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: P1314802

Luminaire Tested: LDSQA3D17R309730DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314802
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: LDSQA3D17R309730DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 97CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

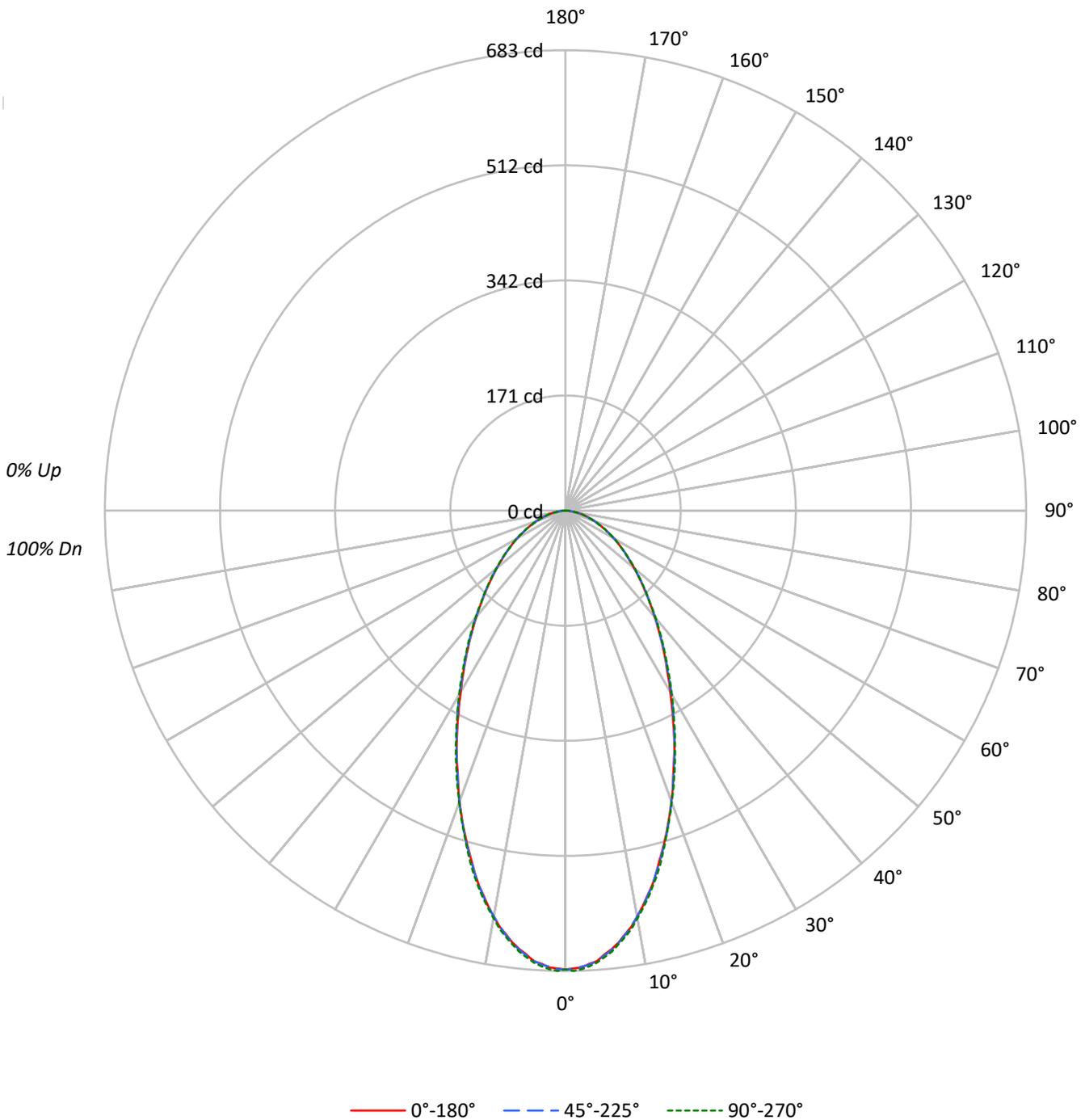
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 874.0 lumens
Efficiency: N/A
Efficacy: 41.2 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): 21.2
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

TEST NUMBER: P1314802
CATALOG NUMBER: LDSQA3D17R309730DE010 3LSQPHRLD1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1314802

CATALOG NUMBER: LDSQA3D17R309730DE010 3LSQPHRLD1MW

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	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	93	92	90	88
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	85	82	79	77
3	95	86	80	74	93	85	79	74	82	77	72	79	75	71	77	73	70	77	73	70	68
4	89	78	71	65	86	77	70	65	75	69	64	73	67	63	71	66	62	71	66	62	60
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	65	60	56	54
6	77	66	58	52	76	65	58	52	63	57	52	62	56	51	60	55	51	60	55	51	49
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	56	51	47	45
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	52	47	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	49	43	40	38
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	46	41	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	117232	117232	117232
5°	114326	114533	114948
10°	106974	106974	107411
15°	95924	96138	96780
20°	84197	84197	84417
25°	72590	72590	73065
30°	61788	62503	62742
35°	53381	53634	53886
40°	46201	46470	46740
45°	40333	40626	40626
50°	35635	35635	35956
55°	31948	31948	31948
60°	28727	28727	28727
65°	25633	25633	25633
70°	23113	23113	23113
75°	20894	20096	20096
80°	17951	16761	16761
85°	11856	11856	11856

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 40626 cd/sqm



TEST NUMBER: P1314802

CATALOG NUMBER: LDSQA3D17R309730DE010 3LSQPHRLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.6	7.1
10°-20°	150.3	17.2
20°-30°	175.5	20.1
30°-40°	159.7	18.3
40°-50°	129.0	14.8
50°-60°	95.3	10.9
60°-70°	62.7	7.2
70°-80°	32.4	3.7
80°-90°	7.4	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°	387.4	44.3
0°-40°	547.1	62.6
0°-60°	771.4	88.3
0°-90°	874.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	874.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	681	681	681	681	681	
5°	661	661	662	662	665	62
15°	538	539	539	539	543	150
25°	382	381	382	382	384	175
35°	254	253	255	255	256	159
45°	166	167	167	167	167	129
55°	106	105	106	105	106	95
65°	63	63	63	63	63	63
75°	31	30	30	30	30	33
85°	6	6	6	6	6	7
90°	0	0	0	0	0	



TEST NUMBER: P1314802

CATALOG NUMBER: LDSQA3D17R309730DE010 3LSQPHRLD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	680.7	680.7	680.7	680.7	680.7
1°	679.4	679.4	680.7	679.4	683.1
2°	678.2	677.0	677.0	677.0	680.7
3°	673.4	673.4	674.6	673.4	677.0
4°	669.8	668.6	669.8	668.6	672.2
5°	661.3	661.3	662.5	662.5	664.9
6°	654.1	654.1	655.3	654.1	657.7
7°	645.6	645.6	645.6	645.6	648.0
8°	634.7	634.7	635.9	635.9	638.3
9°	625.0	623.8	623.8	623.8	627.5
10°	611.7	611.7	611.7	611.7	614.2
11°	598.4	598.4	598.4	598.4	600.9
12°	583.9	583.9	585.1	583.9	587.6
13°	570.6	570.6	570.6	570.6	573.1
14°	554.9	553.7	554.9	554.9	558.5
15°	538.0	539.2	539.2	539.2	542.8
17.5°	499.3	499.3	500.5	498.1	500.5
20°	459.4	458.2	459.4	459.4	460.6
22.5°	418.3	419.5	419.5	419.5	421.9
25°	382.0	380.8	382.0	382.0	384.5
27.5°	344.6	345.8	347.0	345.8	348.2
30°	310.7	313.1	314.3	311.9	315.5
32.5°	280.5	280.5	281.7	282.9	284.1
35°	253.9	252.7	255.1	255.1	256.3
37.5°	228.5	228.5	228.5	229.7	230.9
40°	205.5	205.5	206.7	206.7	207.9
42.5°	185.0	183.8	185.0	185.0	185.0
45°	165.6	166.8	166.8	166.8	166.8
47.5°	148.7	148.7	149.9	148.7	149.9
50°	133.0	133.0	133.0	133.0	134.2
52.5°	118.5	118.5	118.5	118.5	119.7
55°	106.4	105.2	106.4	105.2	106.4
57.5°	94.3	94.3	94.3	94.3	94.3
60°	83.4	82.2	83.4	82.2	83.4
62.5°	72.5	72.5	72.5	72.5	72.5
65°	62.9	62.9	62.9	62.9	62.9
67.5°	54.4	54.4	54.4	53.2	53.2
70°	45.9	45.9	45.9	45.9	45.9
72.5°	38.7	37.5	37.5	37.5	37.5
75°	31.4	30.2	30.2	30.2	30.2
77.5°	24.2	24.2	23.0	23.0	24.2
80°	18.1	16.9	16.9	16.9	16.9
82.5°	10.9	10.9	10.9	10.9	10.9
85°	6.0	6.0	6.0	6.0	6.0
87.5°	1.2	1.2	1.2	2.4	2.4



TEST NUMBER: P1314802

CATALOG NUMBER: LDSQA3D17R309730DE010 3LSQPHRLD1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)