

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: P1311321

Luminaire Tested: LDSQA3D09R309040DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311321
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: LDSQA3D09R309040DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

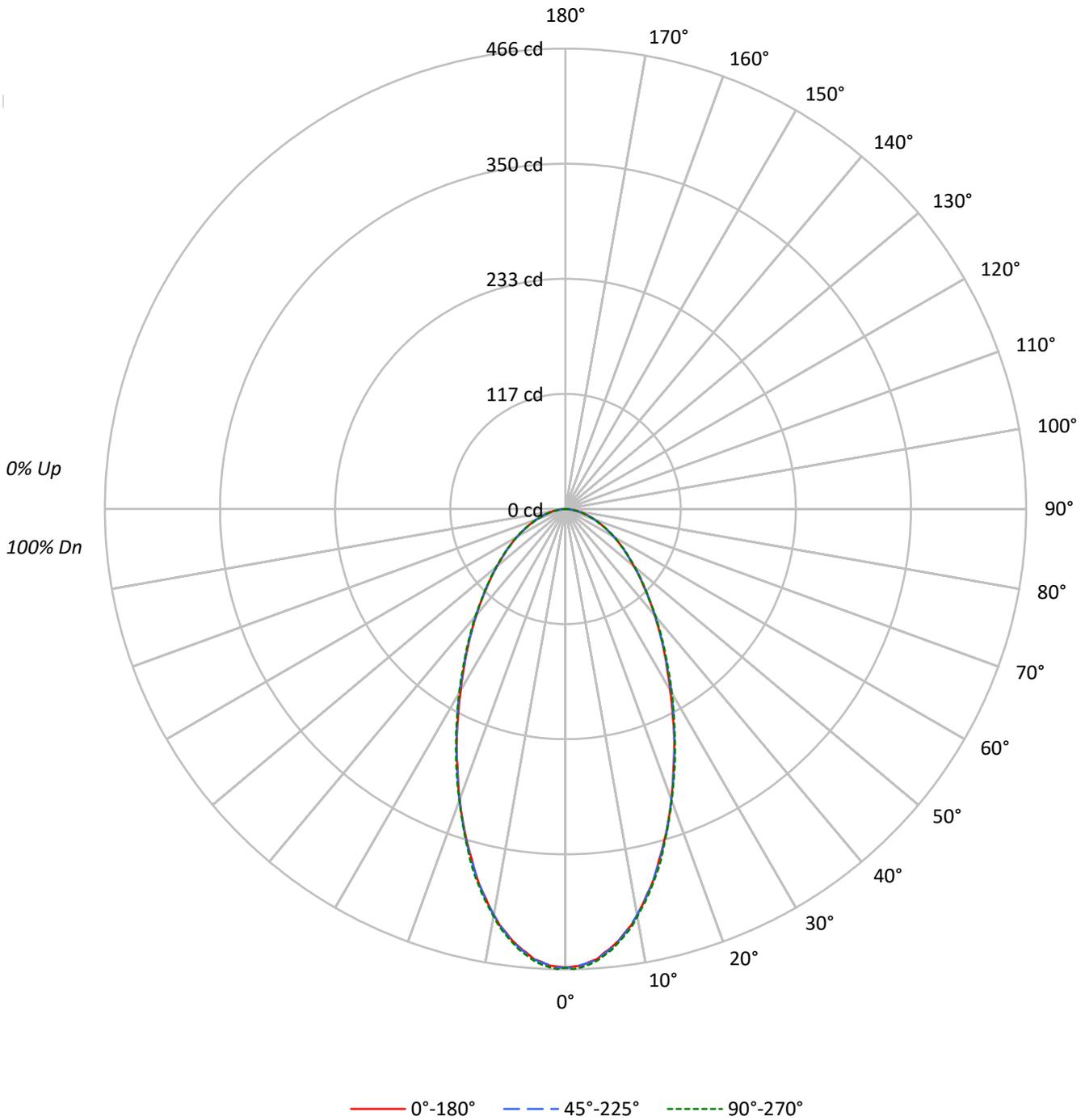
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 596.0 lumens
Efficiency: N/A
Efficacy: 53.7 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 (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	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	86	77	70	65	75	69	64	73	67	63	71	66	62	60
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°	79946	79946	79946
5°	77969	78107	78384
10°	72960	72960	73240
15°	65418	65560	66006
20°	57420	57420	57567
25°	49502	49502	49825
30°	42140	42637	42796
35°	36393	36583	36751
40°	31520	31700	31880
45°	27498	27717	27717
50°	24301	24301	24516
55°	21769	21769	21769
60°	19599	19599	19599
65°	17482	17482	17482
70°	15761	15761	15761
75°	14240	13708	13708
80°	12298	11406	11406
85°	8102	8102	8102

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 27717 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.0	7.1
10°-20°	102.5	17.2
20°-30°	119.7	20.1
30°-40°	108.9	18.3
40°-50°	88.0	14.8
50°-60°	65.0	10.9
60°-70°	42.8	7.2
70°-80°	22.1	3.7
80°-90°	5.0	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°	264.2	44.3
0°-40°	373.1	62.6
0°-60°	526.1	88.3
0°-90°	596.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	596.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	464	464	464	464	464	
5°	451	451	452	452	453	42
15°	367	368	368	368	370	102
25°	260	260	260	260	262	119
35°	173	172	174	174	175	108
45°	113	114	114	114	114	88
55°	72	72	72	72	72	65
65°	43	43	43	43	43	43
75°	21	21	21	21	21	23
85°	4	4	4	4	4	5
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	464.2	464.2	464.2	464.2	464.2
1°	463.3	463.3	464.2	463.3	465.8
2°	462.5	461.7	461.7	461.7	464.2
3°	459.2	459.2	460.0	459.2	461.7
4°	456.7	455.9	456.7	455.9	458.4
5°	451.0	451.0	451.8	451.8	453.4
6°	446.0	446.0	446.8	446.0	448.5
7°	440.2	440.2	440.2	440.2	441.9
8°	432.8	432.8	433.7	433.7	435.3
9°	426.2	425.4	425.4	425.4	427.9
10°	417.2	417.2	417.2	417.2	418.8
11°	408.1	408.1	408.1	408.1	409.7
12°	398.2	398.2	399.0	398.2	400.7
13°	389.1	389.1	389.1	389.1	390.8
14°	378.4	377.6	378.4	378.4	380.9
15°	366.9	367.7	367.7	367.7	370.2
17.5°	340.5	340.5	341.3	339.7	341.3
20°	313.3	312.5	313.3	313.3	314.1
22.5°	285.3	286.1	286.1	286.1	287.7
25°	260.5	259.7	260.5	260.5	262.2
27.5°	235.0	235.8	236.6	235.8	237.4
30°	211.9	213.5	214.4	212.7	215.2
32.5°	191.3	191.3	192.1	192.9	193.7
35°	173.1	172.3	174.0	174.0	174.8
37.5°	155.8	155.8	155.8	156.6	157.5
40°	140.2	140.2	141.0	141.0	141.8
42.5°	126.1	125.3	126.1	126.1	126.1
45°	112.9	113.8	113.8	113.8	113.8
47.5°	101.4	101.4	102.2	101.4	102.2
50°	90.7	90.7	90.7	90.7	91.5
52.5°	80.8	80.8	80.8	80.8	81.6
55°	72.5	71.7	72.5	71.7	72.5
57.5°	64.3	64.3	64.3	64.3	64.3
60°	56.9	56.1	56.9	56.1	56.9
62.5°	49.5	49.5	49.5	49.5	49.5
65°	42.9	42.9	42.9	42.9	42.9
67.5°	37.1	37.1	37.1	36.3	36.3
70°	31.3	31.3	31.3	31.3	31.3
72.5°	26.4	25.6	25.6	25.6	25.6
75°	21.4	20.6	20.6	20.6	20.6
77.5°	16.5	16.5	15.7	15.7	16.5
80°	12.4	11.5	11.5	11.5	11.5
82.5°	7.4	7.4	7.4	7.4	7.4
85°	4.1	4.1	4.1	4.1	4.1
87.5°	0.8	0.8	0.8	1.6	1.6



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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)