

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: P1307984

Luminaire Tested: LDSQA3D09R359027DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307984
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R359027DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

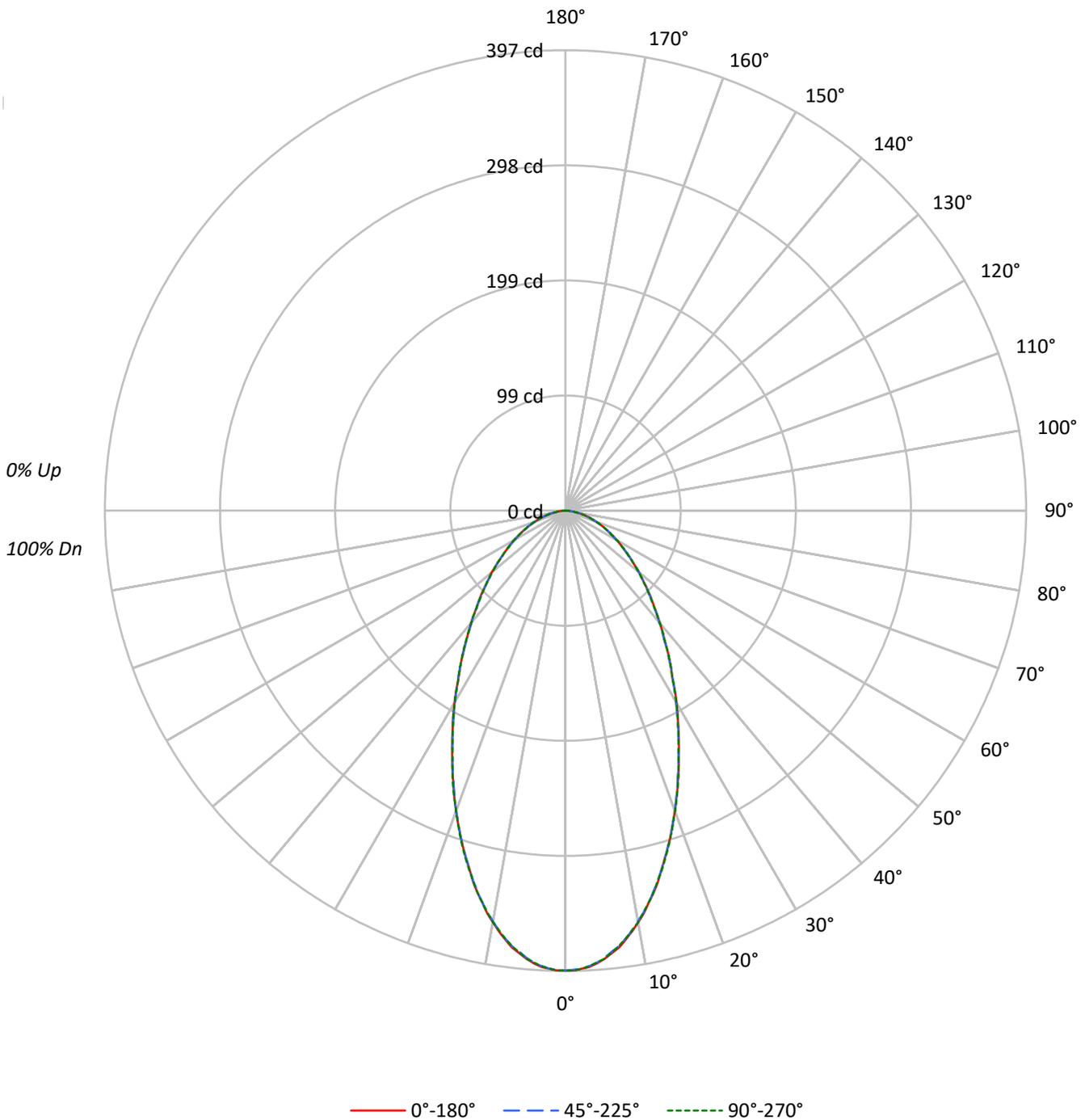
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 530.0 lumens
Efficiency: N/A
Efficacy: 47.8 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92
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	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	101	99	100	98	95	97	95	93	93	91	90	93	91	90	88
2	103	96	90	85	100	94	89	84	90	86	82	87	84	81	84	81	79	84	81	79	77
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	77	73	70	68
4	88	78	71	65	86	77	70	65	75	68	64	72	67	63	70	66	62	70	66	62	60
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	65	60	56	54
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	60	55	51	49
7	72	60	53	47	71	60	52	47	58	52	47	57	51	46	55	50	46	55	50	46	44
8	68	56	48	43	66	55	48	43	54	47	43	53	47	43	52	46	42	52	46	42	41
9	64	52	45	40	63	51	44	40	50	44	39	49	44	39	48	43	39	48	43	39	38
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	45	40	36	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	68321	68321	68321
5°	67043	66922	67043
10°	63044	62922	63044
15°	57073	57073	57198
20°	50529	50529	50529
25°	43934	43801	43801
30°	38083	37824	37944
35°	32798	32651	32798
40°	28440	28305	28440
45°	24989	24819	24819
50°	22185	21997	21997
55°	19517	19517	19517
60°	17670	17429	17670
65°	15893	15893	15893
70°	14099	14099	14099
75°	12776	12310	12776
80°	10811	10811	10811
85°	6719	6719	6719

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 24989 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.1	6.8
10°-20°	89.3	16.8
20°-30°	106.1	20.0
30°-40°	97.5	18.4
40°-50°	79.2	14.9
50°-60°	58.6	11.1
60°-70°	38.7	7.3
70°-80°	20.1	3.8
80°-90°	4.5	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°	231.5	43.7
0°-40°	329.0	62.1
0°-60°	466.7	88.1
0°-90°	530.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	530.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	397	397	397	397	397	
5°	388	387	387	387	388	36
15°	320	320	320	320	321	89
25°	231	230	230	231	230	106
35°	156	155	155	156	156	98
45°	103	102	102	102	102	79
55°	65	65	65	65	65	59
65°	39	39	39	39	39	39
75°	19	19	18	19	19	20
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°	396.7	396.7	396.7	396.7	396.7
1°	396.7	396.0	396.0	396.0	396.7
2°	395.4	395.4	395.4	395.4	395.4
3°	394.0	393.3	393.3	393.3	393.3
4°	391.3	390.6	390.6	390.6	390.6
5°	387.8	387.1	387.1	387.1	387.8
6°	383.7	383.0	382.4	382.4	383.0
7°	379.6	378.3	378.3	378.3	378.3
8°	373.5	372.8	372.8	372.8	372.8
9°	367.3	365.9	366.6	366.6	366.6
10°	360.5	359.8	359.8	359.8	360.5
11°	353.6	352.9	352.9	352.3	352.9
12°	345.4	345.4	345.4	345.4	345.4
13°	337.9	337.2	337.2	337.2	337.9
14°	329.7	329.0	329.0	329.0	329.0
15°	320.1	320.1	320.1	320.1	320.8
17.5°	298.2	297.5	298.2	298.2	298.9
20°	275.7	275.0	275.7	275.7	275.7
22.5°	253.1	253.1	252.4	253.1	253.8
25°	231.2	230.5	230.5	231.2	230.5
27.5°	210.7	210.0	210.0	210.0	210.0
30°	191.5	190.2	190.2	190.8	190.8
32.5°	171.7	171.7	172.4	171.7	171.7
35°	156.0	155.3	155.3	156.0	156.0
37.5°	140.2	139.5	139.5	140.2	140.2
40°	126.5	126.5	125.9	126.5	126.5
42.5°	113.5	113.5	113.5	113.5	113.5
45°	102.6	101.9	101.9	101.9	101.9
47.5°	91.7	91.7	91.7	91.0	91.7
50°	82.8	82.1	82.1	82.1	82.1
52.5°	73.2	73.2	73.2	73.2	73.2
55°	65.0	65.0	65.0	65.0	65.0
57.5°	58.1	57.5	57.5	57.5	57.5
60°	51.3	51.3	50.6	51.3	51.3
62.5°	44.5	44.5	44.5	44.5	44.5
65°	39.0	39.0	39.0	39.0	39.0
67.5°	33.5	33.5	33.5	33.5	33.5
70°	28.0	28.0	28.0	28.0	28.0
72.5°	23.9	23.3	23.3	23.3	23.3
75°	19.2	19.2	18.5	19.2	19.2
77.5°	14.4	14.4	14.4	14.4	14.4
80°	10.9	10.9	10.9	10.3	10.9
82.5°	6.8	6.8	6.8	6.8	6.8
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)