

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: P1310203

Luminaire Tested: LDSQA3D09R309035DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310203
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: LDSQA3D09R309035DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

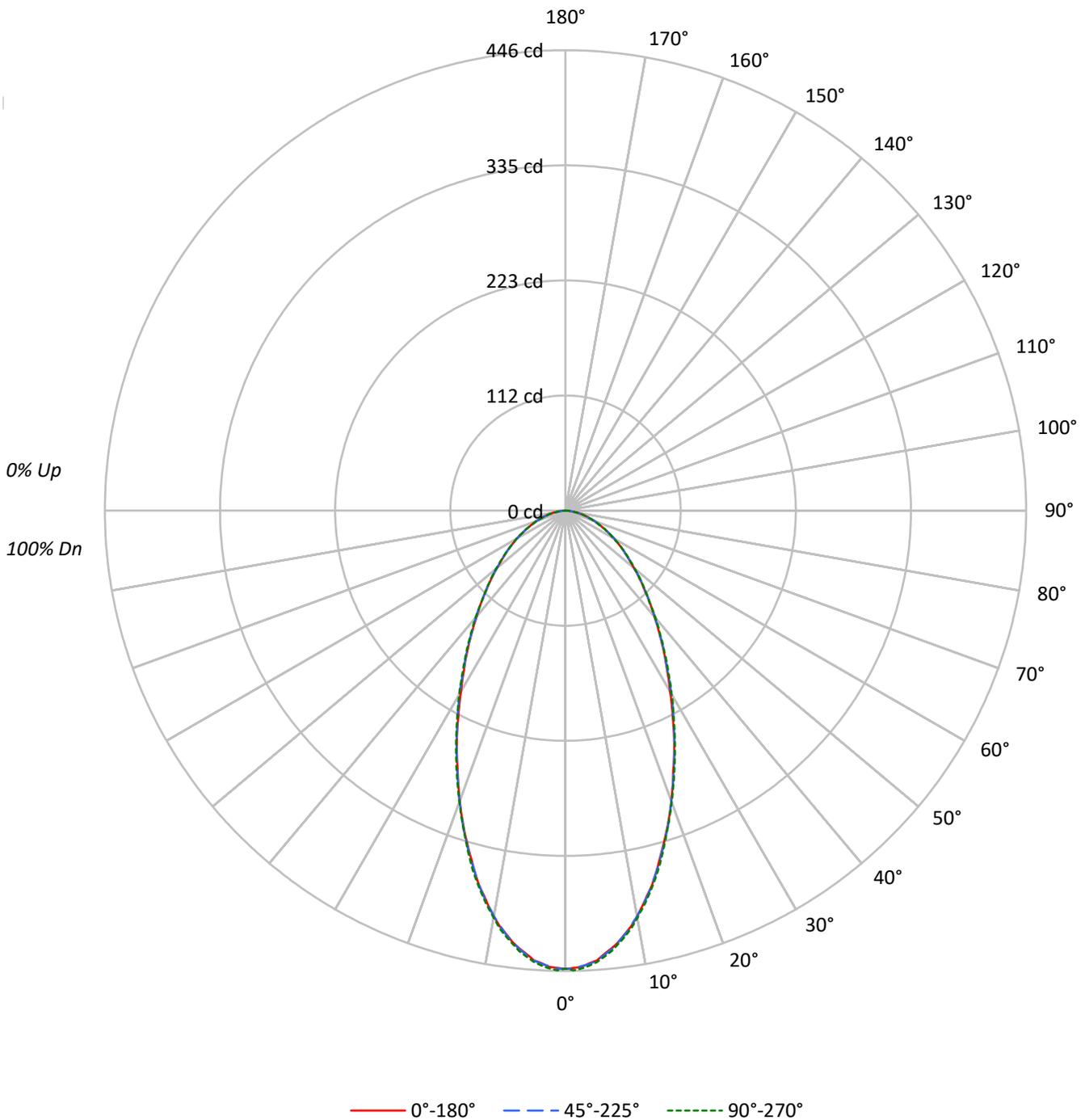
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 570.0 lumens
Efficiency: N/A
Efficacy: 51.3 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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100	
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	88	
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	79	77	
3	95	86	80	74	93	85	79	74	82	77	72	79	75	71	77	73	70	70	68	
4	89	78	71	65	86	77	70	65	75	69	64	73	67	63	71	66	62	62	60	
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	56	54	
6	77	66	58	52	76	65	58	52	63	57	52	62	56	51	60	55	51	51	49	
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	47	45	
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	43	41	
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	40	38	
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	37	35	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	76450	76450	76450
5°	74563	74702	74978
10°	69777	69777	70039
15°	62565	62707	63117
20°	54909	54909	55056
25°	47355	47355	47640
30°	40290	40767	40927
35°	34817	34985	35153
40°	30126	30306	30486
45°	26304	26499	26499
50°	23230	23230	23444
55°	20838	20838	20838
60°	18738	18738	18738
65°	16708	16708	16708
70°	15106	15106	15106
75°	13641	13109	13109
80°	11703	10910	10910
85°	7707	7707	7707

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 26499 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.2	7.1
10°-20°	98.0	17.2
20°-30°	114.5	20.1
30°-40°	104.2	18.3
40°-50°	84.1	14.8
50°-60°	62.1	10.9
60°-70°	40.9	7.2
70°-80°	21.2	3.7
80°-90°	4.8	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°	252.7	44.3
0°-40°	356.8	62.6
0°-60°	503.1	88.3
0°-90°	570.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	570.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	444	444	444	444	444	
5°	431	431	432	432	434	40
15°	351	352	352	352	354	98
25°	249	248	249	249	251	114
35°	166	165	166	166	167	104
45°	108	109	109	109	109	84
55°	69	69	69	69	69	62
65°	41	41	41	41	41	41
75°	20	20	20	20	20	22
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°	443.9	443.9	443.9	443.9	443.9
1°	443.1	443.1	443.9	443.1	445.5
2°	442.3	441.5	441.5	441.5	443.9
3°	439.2	439.2	440.0	439.2	441.5
4°	436.8	436.0	436.8	436.0	438.4
5°	431.3	431.3	432.1	432.1	433.7
6°	426.6	426.6	427.3	426.6	428.9
7°	421.0	421.0	421.0	421.0	422.6
8°	413.9	413.9	414.7	414.7	416.3
9°	407.6	406.8	406.8	406.8	409.2
10°	399.0	399.0	399.0	399.0	400.5
11°	390.3	390.3	390.3	390.3	391.9
12°	380.8	380.8	381.6	380.8	383.2
13°	372.2	372.2	372.2	372.2	373.7
14°	361.9	361.1	361.9	361.9	364.3
15°	350.9	351.7	351.7	351.7	354.0
17.5°	325.6	325.6	326.4	324.8	326.4
20°	299.6	298.8	299.6	299.6	300.4
22.5°	272.8	273.6	273.6	273.6	275.2
25°	249.2	248.4	249.2	249.2	250.7
27.5°	224.7	225.5	226.3	225.5	227.1
30°	202.6	204.2	205.0	203.4	205.8
32.5°	182.9	182.9	183.7	184.5	185.3
35°	165.6	164.8	166.4	166.4	167.2
37.5°	149.0	149.0	149.0	149.8	150.6
40°	134.0	134.0	134.8	134.8	135.6
42.5°	120.6	119.8	120.6	120.6	120.6
45°	108.0	108.8	108.8	108.8	108.8
47.5°	97.0	97.0	97.8	97.0	97.8
50°	86.7	86.7	86.7	86.7	87.5
52.5°	77.3	77.3	77.3	77.3	78.1
55°	69.4	68.6	69.4	68.6	69.4
57.5°	61.5	61.5	61.5	61.5	61.5
60°	54.4	53.6	54.4	53.6	54.4
62.5°	47.3	47.3	47.3	47.3	47.3
65°	41.0	41.0	41.0	41.0	41.0
67.5°	35.5	35.5	35.5	34.7	34.7
70°	30.0	30.0	30.0	30.0	30.0
72.5°	25.2	24.4	24.4	24.4	24.4
75°	20.5	19.7	19.7	19.7	19.7
77.5°	15.8	15.8	15.0	15.0	15.8
80°	11.8	11.0	11.0	11.0	11.0
82.5°	7.1	7.1	7.1	7.1	7.1
85°	3.9	3.9	3.9	3.9	3.9
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)