

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: P1319110

Luminaire Tested: LDSQA3D09R359835DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319110
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: LDSQA3D09R359835DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

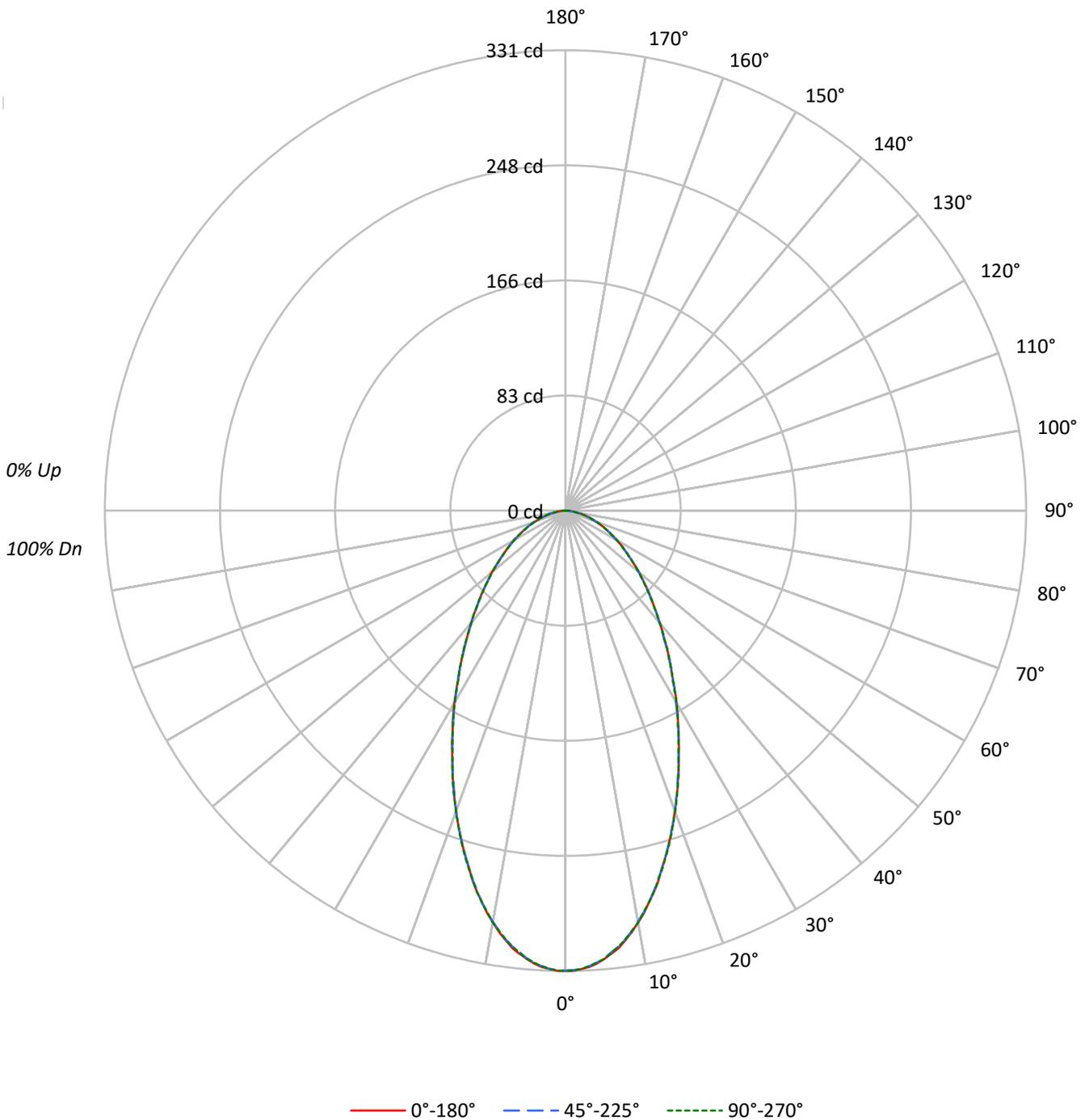
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 442.0 lumens
Efficiency: N/A
Efficacy: 40.2 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
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	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	64	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°	56988	56988	56988
5°	55910	55823	55910
10°	52569	52481	52569
15°	47606	47606	47695
20°	42135	42135	42135
25°	36637	36523	36523
30°	31759	31540	31659
35°	27353	27227	27353
40°	23719	23606	23719
45°	20849	20703	20703
50°	18487	18353	18353
55°	16274	16274	16274
60°	14742	14536	14742
65°	13244	13244	13244
70°	11783	11783	11783
75°	10647	10247	10647
80°	9025	9025	9025
85°	5730	5730	5730

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 20849 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.1	6.8
10°-20°	74.5	16.8
20°-30°	88.5	20.0
30°-40°	81.3	18.4
40°-50°	66.0	14.9
50°-60°	48.8	11.1
60°-70°	32.3	7.3
70°-80°	16.7	3.8
80°-90°	3.8	0.9
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°	193.0	43.7
0°-40°	274.4	62.1
0°-60°	389.2	88.1
0°-90°	442.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	442.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	331	331	331	331	331	
5°	323	323	323	323	323	30
15°	267	267	267	267	268	75
25°	193	192	192	193	192	89
35°	130	130	130	130	130	81
45°	86	85	85	85	85	66
55°	54	54	54	54	54	49
65°	32	32	32	32	32	32
75°	16	16	15	16	16	17
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°	330.9	330.9	330.9	330.9	330.9
1°	330.9	330.3	330.3	330.3	330.9
2°	329.7	329.7	329.7	329.7	329.7
3°	328.6	328.0	328.0	328.0	328.0
4°	326.3	325.7	325.7	325.7	325.7
5°	323.4	322.9	322.9	322.9	323.4
6°	320.0	319.4	318.9	318.9	319.4
7°	316.6	315.5	315.5	315.5	315.5
8°	311.5	310.9	310.9	310.9	310.9
9°	306.3	305.2	305.8	305.8	305.8
10°	300.6	300.1	300.1	300.1	300.6
11°	294.9	294.3	294.3	293.8	294.3
12°	288.1	288.1	288.1	288.1	288.1
13°	281.8	281.2	281.2	281.2	281.8
14°	275.0	274.4	274.4	274.4	274.4
15°	267.0	267.0	267.0	267.0	267.5
17.5°	248.7	248.1	248.7	248.7	249.3
20°	229.9	229.3	229.9	229.9	229.9
22.5°	211.1	211.1	210.5	211.1	211.6
25°	192.8	192.2	192.2	192.8	192.2
27.5°	175.7	175.1	175.1	175.1	175.1
30°	159.7	158.6	158.6	159.2	159.2
32.5°	143.2	143.2	143.8	143.2	143.2
35°	130.1	129.5	129.5	130.1	130.1
37.5°	116.9	116.4	116.4	116.9	116.9
40°	105.5	105.5	105.0	105.5	105.5
42.5°	94.7	94.7	94.7	94.7	94.7
45°	85.6	85.0	85.0	85.0	85.0
47.5°	76.4	76.4	76.4	75.9	76.4
50°	69.0	68.5	68.5	68.5	68.5
52.5°	61.0	61.0	61.0	61.0	61.0
55°	54.2	54.2	54.2	54.2	54.2
57.5°	48.5	47.9	47.9	47.9	47.9
60°	42.8	42.8	42.2	42.8	42.8
62.5°	37.1	37.1	37.1	37.1	37.1
65°	32.5	32.5	32.5	32.5	32.5
67.5°	28.0	28.0	28.0	28.0	28.0
70°	23.4	23.4	23.4	23.4	23.4
72.5°	20.0	19.4	19.4	19.4	19.4
75°	16.0	16.0	15.4	16.0	16.0
77.5°	12.0	12.0	12.0	12.0	12.0
80°	9.1	9.1	9.1	8.6	9.1
82.5°	5.7	5.7	5.7	5.7	5.7
85°	2.9	2.9	2.9	2.9	2.9
87.5°	0.6	0.6	0.6	1.1	1.1



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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)