

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: P1318217

Luminaire Tested: LDSQA3D09R309830DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318217
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: LDSQA3D09R309830DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

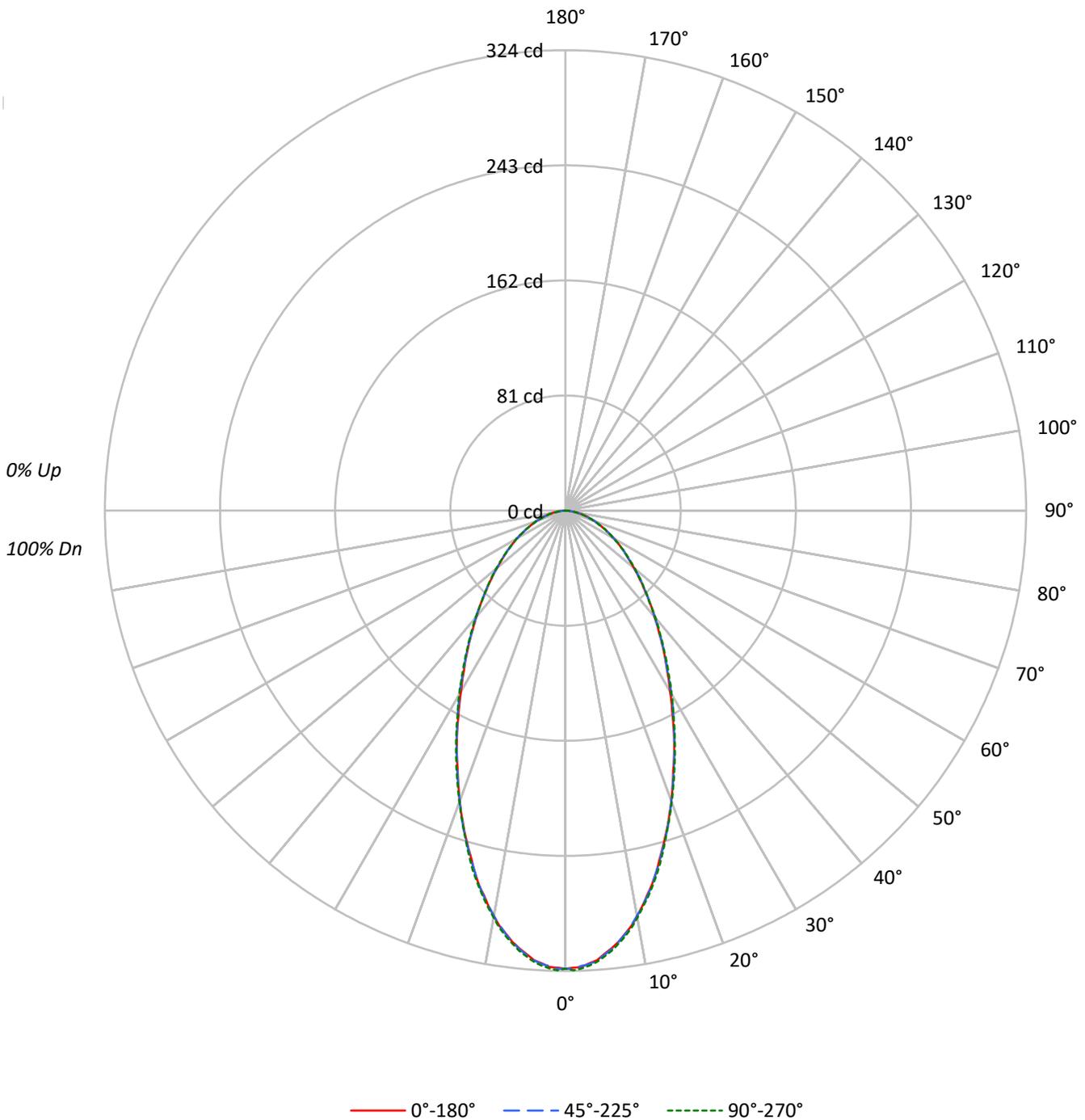
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 414.0 lumens
Efficiency: N/A
Efficacy: 37.6 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
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	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	73	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°	55525	55525	55525
5°	54163	54250	54457
10°	50680	50680	50872
15°	45430	45537	45840
20°	39881	39881	39991
25°	34395	34395	34604
30°	29273	29611	29730
35°	25292	25398	25524
40°	21898	22010	22145
45°	19119	19241	19241
50°	16880	16880	17040
55°	15133	15133	15133
60°	13606	13606	13606
65°	12144	12144	12144
70°	10977	10977	10977
75°	9915	9515	9515
80°	8529	7934	7934
85°	5730	5730	5730

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 19241 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.2	7.1
10°-20°	71.2	17.2
20°-30°	83.2	20.1
30°-40°	75.6	18.3
40°-50°	61.1	14.8
50°-60°	45.1	10.9
60°-70°	29.7	7.2
70°-80°	15.4	3.7
80°-90°	3.5	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°	183.5	44.3
0°-40°	259.2	62.6
0°-60°	365.4	88.3
0°-90°	414.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	414.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	322	322	322	322	322	
5°	313	313	314	314	315	29
15°	255	255	255	255	257	71
25°	181	180	181	181	182	83
35°	120	120	121	121	121	75
45°	78	79	79	79	79	61
55°	50	50	50	50	50	45
65°	30	30	30	30	30	30
75°	15	14	14	14	14	16
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°	322.4	322.4	322.4	322.4	322.4
1°	321.8	321.8	322.4	321.8	323.6
2°	321.3	320.7	320.7	320.7	322.4
3°	319.0	319.0	319.6	319.0	320.7
4°	317.3	316.7	317.3	316.7	318.4
5°	313.3	313.3	313.8	313.8	315.0
6°	309.8	309.8	310.4	309.8	311.5
7°	305.8	305.8	305.8	305.8	307.0
8°	300.7	300.7	301.2	301.2	302.4
9°	296.1	295.5	295.5	295.5	297.2
10°	289.8	289.8	289.8	289.8	290.9
11°	283.5	283.5	283.5	283.5	284.6
12°	276.6	276.6	277.2	276.6	278.3
13°	270.3	270.3	270.3	270.3	271.4
14°	262.9	262.3	262.9	262.9	264.6
15°	254.8	255.4	255.4	255.4	257.1
17.5°	236.5	236.5	237.1	235.9	237.1
20°	217.6	217.0	217.6	217.6	218.2
22.5°	198.1	198.7	198.7	198.7	199.9
25°	181.0	180.4	181.0	181.0	182.1
27.5°	163.2	163.8	164.4	163.8	164.9
30°	147.2	148.3	148.9	147.8	149.5
32.5°	132.9	132.9	133.4	134.0	134.6
35°	120.3	119.7	120.8	120.8	121.4
37.5°	108.2	108.2	108.2	108.8	109.4
40°	97.4	97.4	97.9	97.9	98.5
42.5°	87.6	87.0	87.6	87.6	87.6
45°	78.5	79.0	79.0	79.0	79.0
47.5°	70.4	70.4	71.0	70.4	71.0
50°	63.0	63.0	63.0	63.0	63.6
52.5°	56.1	56.1	56.1	56.1	56.7
55°	50.4	49.8	50.4	49.8	50.4
57.5°	44.7	44.7	44.7	44.7	44.7
60°	39.5	38.9	39.5	38.9	39.5
62.5°	34.4	34.4	34.4	34.4	34.4
65°	29.8	29.8	29.8	29.8	29.8
67.5°	25.8	25.8	25.8	25.2	25.2
70°	21.8	21.8	21.8	21.8	21.8
72.5°	18.3	17.8	17.8	17.8	17.8
75°	14.9	14.3	14.3	14.3	14.3
77.5°	11.5	11.5	10.9	10.9	11.5
80°	8.6	8.0	8.0	8.0	8.0
82.5°	5.2	5.2	5.2	5.2	5.2
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)