

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: P1315645

Luminaire Tested: LDSQA3D13R359735DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315645
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: LDSQA3D13R359735DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 97CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

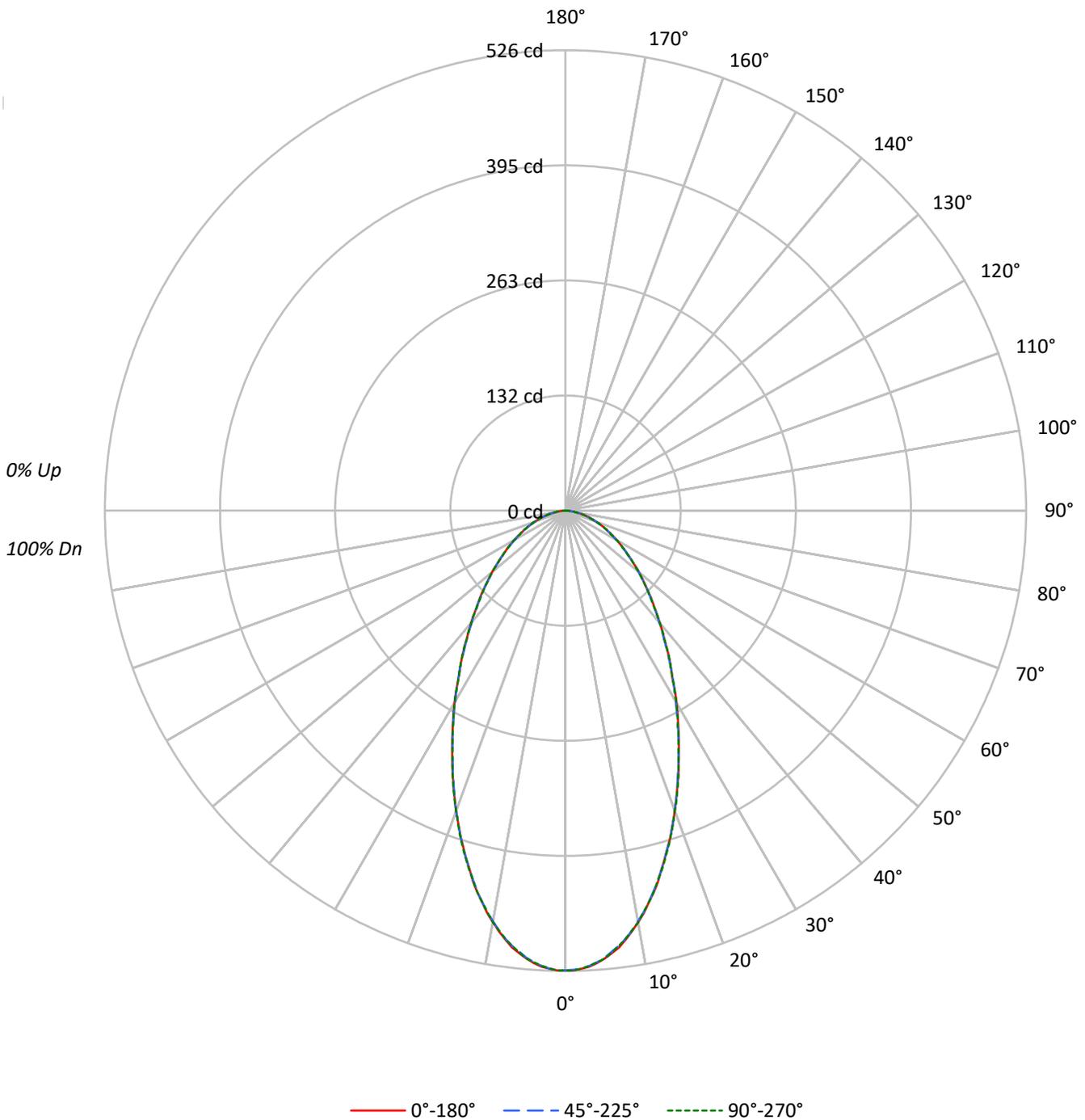
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 702.0 lumens
Efficiency: N/A
Efficacy: 48.1 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): 14.6
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	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	101	99	100	98	95	97	95	93	93	91	90	88
2	103	96	90	85	100	94	89	84	90	86	82	87	84	81	84	81	79	77
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	68
4	88	78	71	65	86	77	70	65	75	68	64	72	67	63	70	66	62	60
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	54
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	49
7	72	60	53	47	71	60	52	47	58	52	47	57	51	46	55	50	46	44
8	68	56	48	43	66	55	48	43	54	47	43	53	47	43	52	46	42	41
9	64	52	45	40	63	51	44	40	50	44	39	49	44	39	48	43	39	38
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	90503	90503	90503
5°	88809	88653	88809
10°	83505	83348	83505
15°	75598	75598	75759
20°	66914	66914	66914
25°	58186	58015	58015
30°	50452	50094	50273
35°	43437	43247	43437
40°	37680	37478	37680
45°	33100	32881	32881
50°	29365	29124	29124
55°	25852	25852	25852
60°	23388	23078	23388
65°	21028	21028	21028
70°	18682	18682	18682
75°	16902	16303	16902
80°	14381	14381	14381
85°	8892	8892	8892

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 33100 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.8	6.8
10°-20°	118.3	16.8
20°-30°	140.5	20.0
30°-40°	129.1	18.4
40°-50°	104.9	14.9
50°-60°	77.6	11.1
60°-70°	51.2	7.3
70°-80°	26.6	3.8
80°-90°	6.0	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°	306.6	43.7
0°-40°	435.7	62.1
0°-60°	618.2	88.1
0°-90°	702.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	702.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	526	526	526	526	526	
5°	514	513	513	513	514	48
15°	424	424	424	424	425	118
25°	306	305	305	306	305	141
35°	207	206	206	207	207	129
45°	136	135	135	135	135	105
55°	86	86	86	86	86	78
65°	52	52	52	52	52	51
75°	25	25	24	25	25	27
85°	4	4	4	4	4	6
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	525.5	525.5	525.5	525.5	525.5
1°	525.5	524.6	524.6	524.6	525.5
2°	523.7	523.7	523.7	523.7	523.7
3°	521.8	520.9	520.9	520.9	520.9
4°	518.2	517.3	517.3	517.3	517.3
5°	513.7	512.8	512.8	512.8	513.7
6°	508.3	507.4	506.4	506.4	507.4
7°	502.8	501.0	501.0	501.0	501.0
8°	494.7	493.8	493.8	493.8	493.8
9°	486.5	484.7	485.6	485.6	485.6
10°	477.5	476.6	476.6	476.6	477.5
11°	468.4	467.5	467.5	466.6	467.5
12°	457.5	457.5	457.5	457.5	457.5
13°	447.6	446.7	446.7	446.7	447.6
14°	436.7	435.8	435.8	435.8	435.8
15°	424.0	424.0	424.0	424.0	424.9
17.5°	395.0	394.1	395.0	395.0	395.9
20°	365.1	364.2	365.1	365.1	365.1
22.5°	335.2	335.2	334.3	335.2	336.1
25°	306.2	305.3	305.3	306.2	305.3
27.5°	279.0	278.1	278.1	278.1	278.1
30°	253.7	251.9	251.9	252.8	252.8
32.5°	227.4	227.4	228.3	227.4	227.4
35°	206.6	205.7	205.7	206.6	206.6
37.5°	185.7	184.8	184.8	185.7	185.7
40°	167.6	167.6	166.7	167.6	167.6
42.5°	150.4	150.4	150.4	150.4	150.4
45°	135.9	135.0	135.0	135.0	135.0
47.5°	121.4	121.4	121.4	120.5	121.4
50°	109.6	108.7	108.7	108.7	108.7
52.5°	96.9	96.9	96.9	96.9	96.9
55°	86.1	86.1	86.1	86.1	86.1
57.5°	77.0	76.1	76.1	76.1	76.1
60°	67.9	67.9	67.0	67.9	67.9
62.5°	58.9	58.9	58.9	58.9	58.9
65°	51.6	51.6	51.6	51.6	51.6
67.5°	44.4	44.4	44.4	44.4	44.4
70°	37.1	37.1	37.1	37.1	37.1
72.5°	31.7	30.8	30.8	30.8	30.8
75°	25.4	25.4	24.5	25.4	25.4
77.5°	19.0	19.0	19.0	19.0	19.0
80°	14.5	14.5	14.5	13.6	14.5
82.5°	9.1	9.1	9.1	9.1	9.1
85°	4.5	4.5	4.5	4.5	4.5
87.5°	0.9	0.9	0.9	1.8	1.8



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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)