

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: P1318800

Luminaire Tested: LDSQA3D02R309835DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318800
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R309835DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 98CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

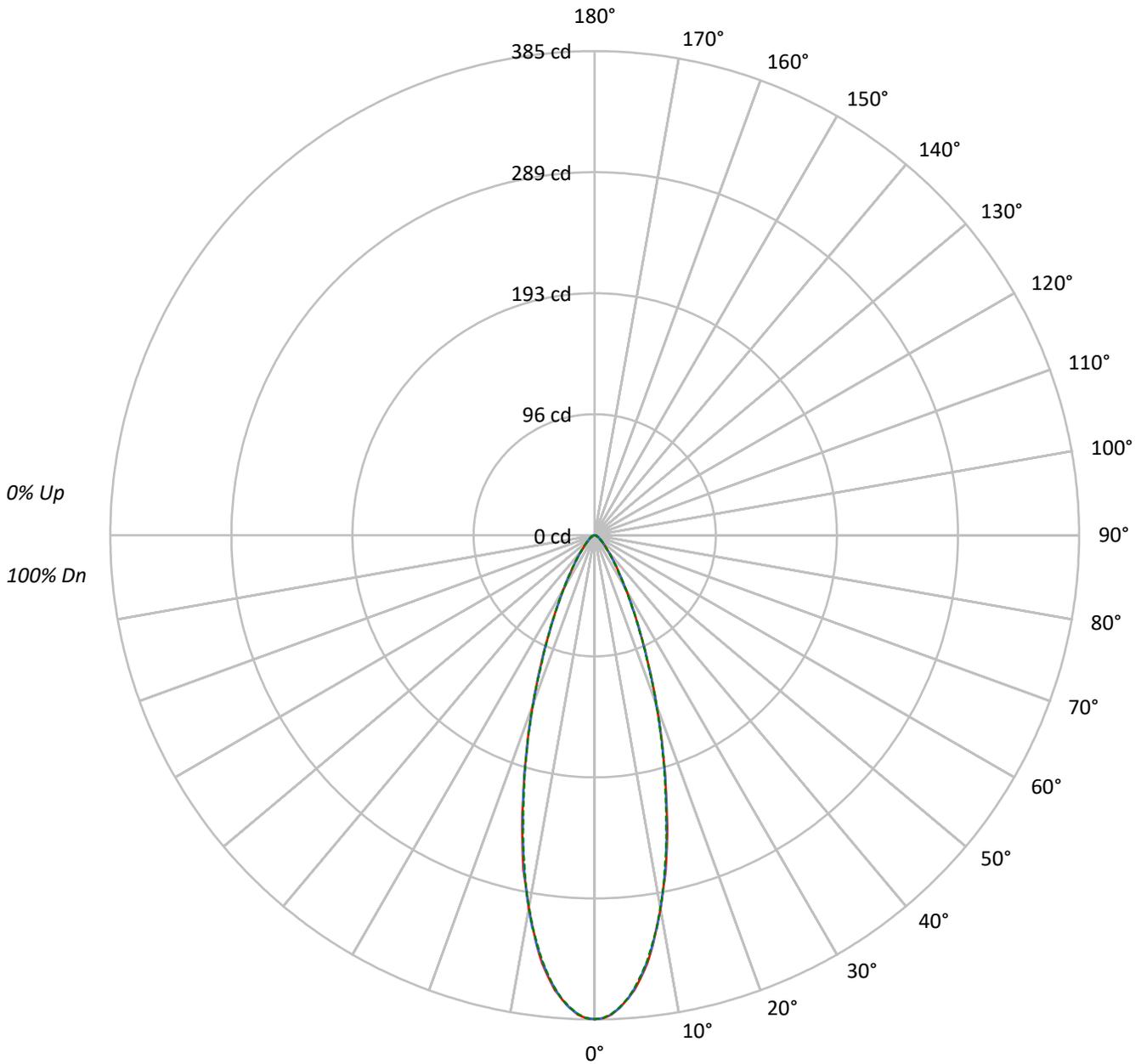
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 169.0 lumens
Efficiency: N/A
Efficacy: 46.9 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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



0% Up
100% Dn

— 0°-180° - - 45°-225° - · - · 90°-270°



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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	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	96	96	96	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	90	90	90	90	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	84	84	84	83
4	99	92	87	83	97	91	86	82	89	84	81	87	83	80	85	82	79	79	79	79	78
5	95	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	75	75	75	74
6	90	82	77	73	89	82	76	73	80	76	72	79	75	72	77	74	71	71	71	71	70
7	87	78	73	69	86	78	72	69	76	72	68	75	71	68	74	71	68	68	68	68	66
8	83	75	69	66	82	74	69	65	73	68	65	72	68	65	71	67	65	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	65	62	62	62	62	61
10	77	68	63	60	76	68	63	60	67	63	59	66	62	59	66	62	59	59	59	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	66271	66271	66271
5°	62738	62583	62548
10°	52709	52709	52516
15°	39279	39172	38940
20°	26282	26153	26190
25°	16209	16171	16247
30°	9744	9744	9784
35°	5971	5971	6013
40°	3777	3777	3867
45°	2606	2630	2630
50°	1902	1902	1902
55°	1471	1501	1501
60°	1240	1240	1274
65°	1060	1060	1060
70°	957	1057	1057
75°	865	865	865
80°	694	694	694
85°	395	395	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2630 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.6	19.3
10°-20°	60.2	35.6
20°-30°	40.0	23.7
30°-40°	18.5	11.0
40°-50°	8.6	5.1
50°-60°	4.6	2.7
60°-70°	2.7	1.6
70°-80°	1.4	0.8
80°-90°	0.3	0.2
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°	132.9	78.6
0°-40°	151.4	89.6
0°-60°	164.6	97.4
0°-90°	169.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	169.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	385	385	385	385	385	
5°	363	362	362	363	362	33
15°	220	221	220	220	218	60
25°	85	85	85	85	86	40
35°	28	28	28	29	29	18
45°	11	11	11	11	11	9
55°	5	5	5	5	5	5
65°	3	3	3	3	3	3
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	384.8	384.8	384.8	384.8	384.8
1°	384.1	383.7	384.1	384.6	383.9
2°	381.4	381.1	381.1	381.8	381.1
3°	376.4	376.8	376.6	377.3	376.0
4°	370.0	369.9	370.6	371.0	369.9
5°	362.9	362.2	362.0	362.9	361.8
6°	353.2	352.7	352.3	353.4	351.9
7°	342.7	342.4	341.8	342.2	341.1
8°	329.8	329.7	329.3	329.7	328.3
9°	315.4	315.4	316.2	316.0	315.3
10°	301.4	301.8	301.4	301.8	300.3
11°	285.7	285.7	286.1	285.9	286.1
12°	272.1	270.6	270.2	269.8	268.7
13°	254.5	253.4	253.0	253.4	252.8
14°	238.4	237.7	235.8	236.2	235.4
15°	220.3	221.0	219.7	219.7	218.4
17.5°	180.1	179.3	179.7	179.9	179.3
20°	143.4	143.0	142.7	142.3	142.9
22.5°	111.4	111.6	111.3	110.9	110.5
25°	85.3	85.1	85.1	85.1	85.5
27.5°	64.7	64.7	64.7	64.9	64.9
30°	49.0	48.6	49.0	49.2	49.2
32.5°	36.6	37.0	37.2	37.2	37.2
35°	28.4	28.2	28.4	28.6	28.6
37.5°	21.7	21.7	21.9	21.9	22.1
40°	16.8	16.8	16.8	17.0	17.2
42.5°	13.3	13.3	13.5	13.5	13.6
45°	10.7	10.7	10.8	10.8	10.8
47.5°	8.6	8.6	8.8	8.8	8.8
50°	7.1	7.1	7.1	7.1	7.1
52.5°	6.0	5.8	6.0	6.0	6.0
55°	4.9	5.0	5.0	5.0	5.0
57.5°	4.1	4.3	4.3	4.3	4.3
60°	3.6	3.6	3.6	3.7	3.7
62.5°	3.0	3.2	3.2	3.2	3.2
65°	2.6	2.6	2.6	2.6	2.6
67.5°	2.2	2.2	2.2	2.2	2.4
70°	1.9	1.9	2.1	2.1	2.1
72.5°	1.7	1.7	1.7	1.7	1.7
75°	1.3	1.3	1.3	1.3	1.3
77.5°	0.9	0.9	1.1	1.1	0.9
80°	0.7	0.7	0.7	0.7	0.7
82.5°	0.6	0.6	0.6	0.6	0.6
85°	0.2	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0



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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)