

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: P1319531

Luminaire Tested: LDSQA3D20R309835D010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319531
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: LDSQA3D20R309835D010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

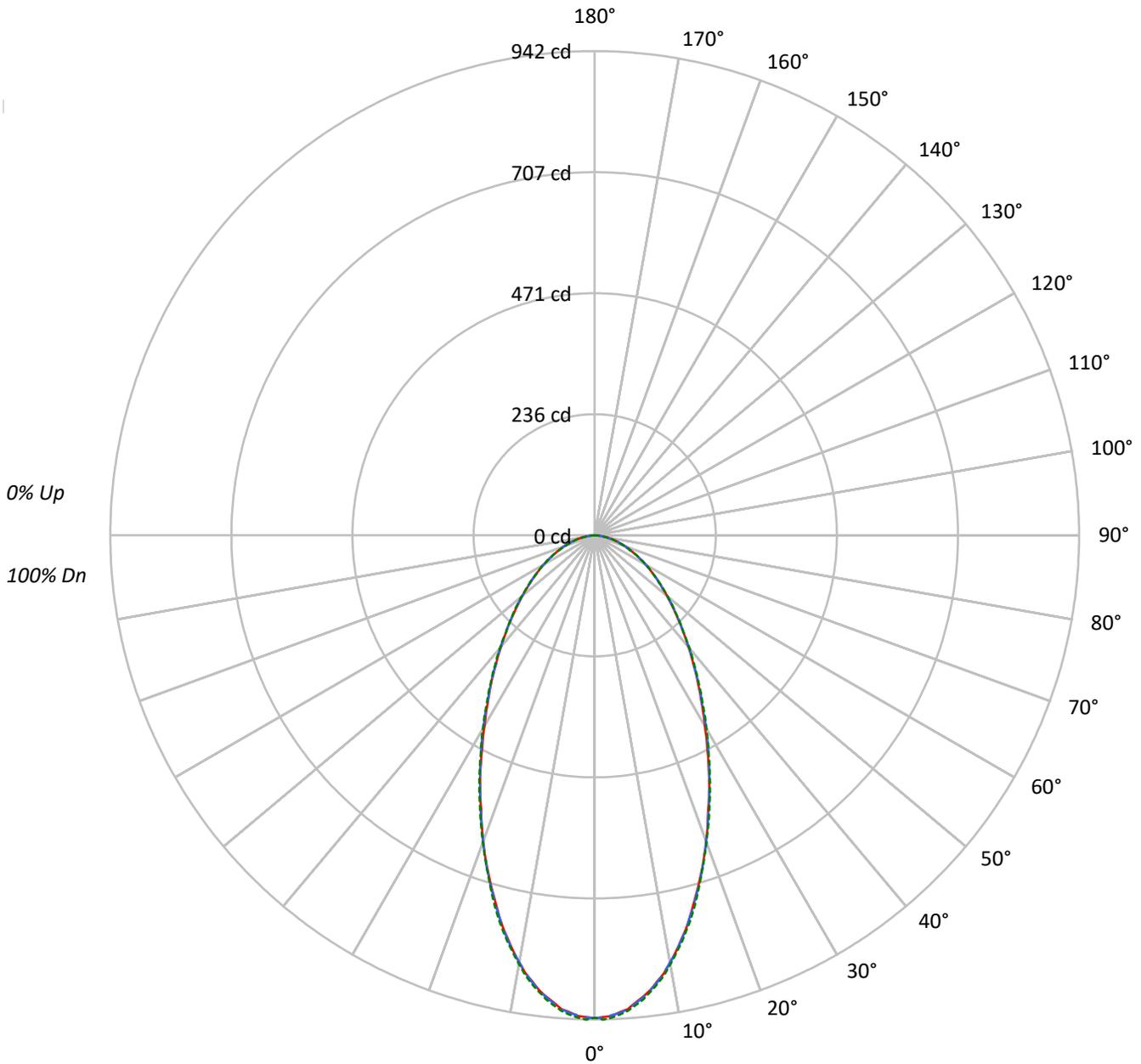
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1206.0 lumens
Efficiency: N/A
Efficacy: 44.0 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): 27.4
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°-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	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	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77
3	95	86	80	74	93	85	79	74	82	77	72	79	75	71	77	73	70	68
4	89	78	71	65	86	77	70	65	75	69	64	73	67	63	71	66	62	60
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54
6	77	66	58	52	76	65	58	52	63	57	52	62	56	51	60	55	51	49
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	45
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	38
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	161752	161752	161752
5°	157753	158047	158618
10°	147616	147616	148210
15°	132368	132654	133545
20°	116178	116178	116490
25°	100182	100182	100809
30°	85254	86248	86586
35°	73649	74006	74364
40°	63759	64141	64501
45°	55653	56067	56067
50°	49165	49165	49621
55°	44078	44078	44078
60°	39646	39646	39646
65°	35331	35331	35331
70°	31925	31925	31925
75°	28879	27748	27748
80°	24795	23208	23208
85°	16401	16401	16401

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 56067 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.0	7.1
10°-20°	207.4	17.2
20°-30°	242.2	20.1
30°-40°	220.4	18.3
40°-50°	178.0	14.8
50°-60°	131.5	10.9
60°-70°	86.6	7.2
70°-80°	44.8	3.7
80°-90°	10.2	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°	534.6	44.3
0°-40°	755.0	62.6
0°-60°	1064.5	88.3
0°-90°	1206.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1206.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	939	939	939	939	939	
5°	912	912	914	914	918	85
15°	742	744	744	744	749	207
25°	527	526	527	527	530	242
35°	350	349	352	352	354	219
45°	228	230	230	230	230	178
55°	147	145	147	145	147	132
65°	87	87	87	87	87	87
75°	43	42	42	42	42	46
85°	8	8	8	8	8	10
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	939.2	939.2	939.2	939.2	939.2
1°	937.5	937.5	939.2	937.5	942.5
2°	935.9	934.2	934.2	934.2	939.2
3°	929.2	929.2	930.9	929.2	934.2
4°	924.2	922.5	924.2	922.5	927.5
5°	912.5	912.5	914.2	914.2	917.5
6°	902.5	902.5	904.2	902.5	907.5
7°	890.8	890.8	890.8	890.8	894.2
8°	875.8	875.8	877.5	877.5	880.8
9°	862.5	860.8	860.8	860.8	865.8
10°	844.1	844.1	844.1	844.1	847.5
11°	825.8	825.8	825.8	825.8	829.1
12°	805.8	805.8	807.4	805.8	810.8
13°	787.4	787.4	787.4	787.4	790.7
14°	765.7	764.0	765.7	765.7	770.7
15°	742.4	744.0	744.0	744.0	749.0
17.5°	689.0	689.0	690.6	687.3	690.6
20°	633.9	632.3	633.9	633.9	635.6
22.5°	577.2	578.9	578.9	578.9	582.2
25°	527.2	525.5	527.2	527.2	530.5
27.5°	475.4	477.1	478.8	477.1	480.4
30°	428.7	432.1	433.7	430.4	435.4
32.5°	387.0	387.0	388.7	390.4	392.0
35°	350.3	348.7	352.0	352.0	353.7
37.5°	315.3	315.3	315.3	317.0	318.6
40°	283.6	283.6	285.3	285.3	286.9
42.5°	255.2	253.6	255.2	255.2	255.2
45°	228.5	230.2	230.2	230.2	230.2
47.5°	205.2	205.2	206.9	205.2	206.9
50°	183.5	183.5	183.5	183.5	185.2
52.5°	163.5	163.5	163.5	163.5	165.2
55°	146.8	145.1	146.8	145.1	146.8
57.5°	130.1	130.1	130.1	130.1	130.1
60°	115.1	113.4	115.1	113.4	115.1
62.5°	100.1	100.1	100.1	100.1	100.1
65°	86.7	86.7	86.7	86.7	86.7
67.5°	75.1	75.1	75.1	73.4	73.4
70°	63.4	63.4	63.4	63.4	63.4
72.5°	53.4	51.7	51.7	51.7	51.7
75°	43.4	41.7	41.7	41.7	41.7
77.5°	33.4	33.4	31.7	31.7	33.4
80°	25.0	23.4	23.4	23.4	23.4
82.5°	15.0	15.0	15.0	15.0	15.0
85°	8.3	8.3	8.3	8.3	8.3
87.5°	1.7	1.7	1.7	3.3	3.3



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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)