

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: P1314959

Luminaire Tested: LDSQA3D20R309730D010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314959
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: LDSQA3D20R309730D010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 97CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

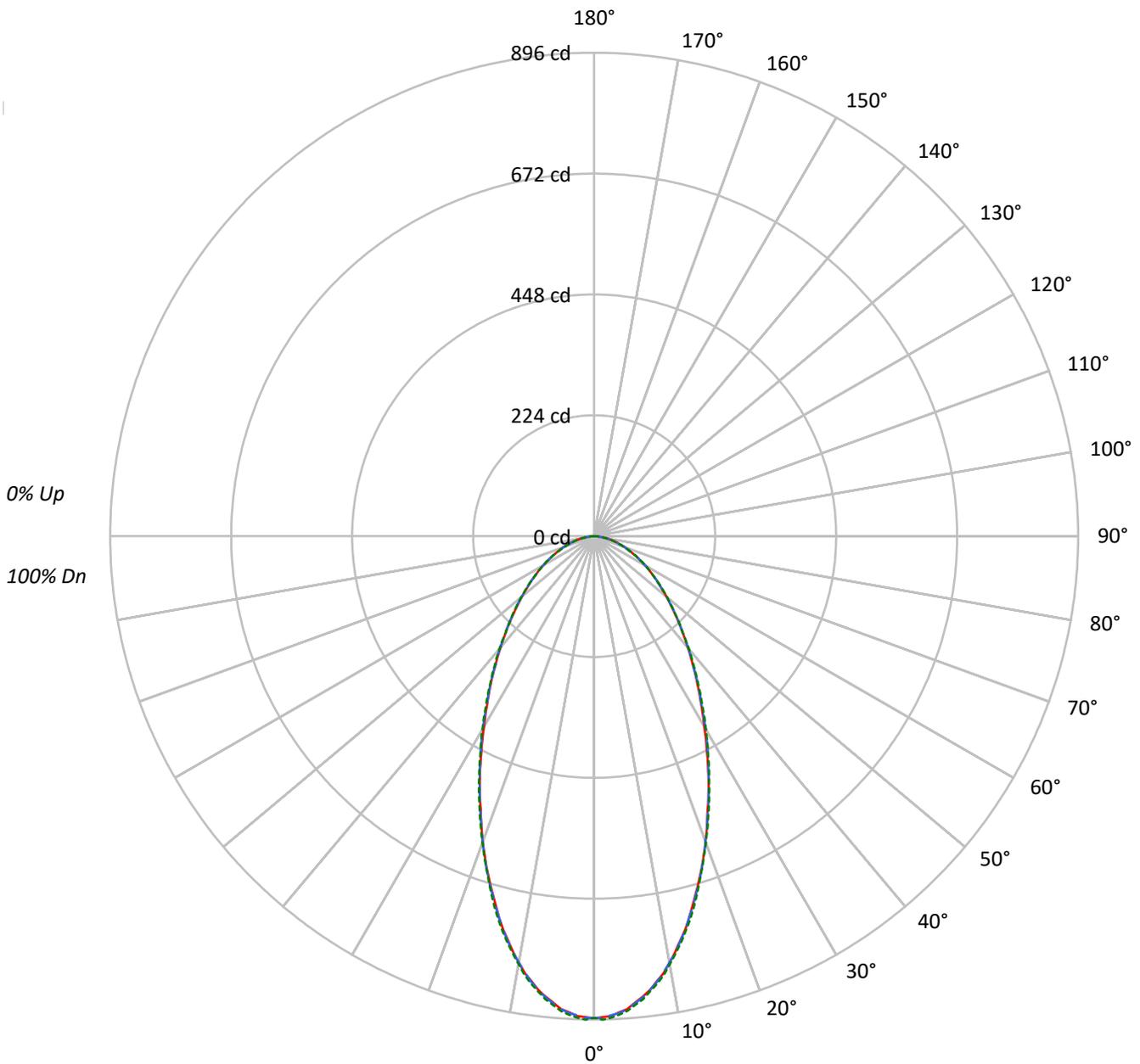
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1147.0 lumens
Efficiency: N/A
Efficacy: 39.8 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): 28.8
Input Voltage (V): NR
Input Current (Ain): 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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88	88	88
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77	77	77
3	95	86	80	74	93	85	79	73	82	77	72	79	75	71	77	73	70	68	68	68
4	89	78	71	65	86	77	70	65	75	69	64	73	67	63	71	66	62	60	60	60
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54	54	54
6	77	66	58	52	76	65	58	52	63	57	52	62	56	51	60	55	51	49	49	49
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	45	45	45
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	41	41	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	38	38	38
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	35	35	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	153846	153846	153846
5°	150043	150320	150856
10°	140393	140393	140953
15°	125878	126164	127019
20°	110497	110497	110790
25°	95279	95279	95868
30°	81097	82032	82350
35°	70054	70390	70726
40°	60634	60994	61354
45°	52950	53340	53340
50°	46754	46754	47183
55°	41916	41916	41916
60°	37717	37717	37717
65°	33620	33620	33620
70°	30364	30364	30364
75°	27482	26417	26417
80°	23605	22018	22018
85°	15611	15611	15611

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 53340 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.9	7.1
10°-20°	197.2	17.2
20°-30°	230.4	20.1
30°-40°	209.6	18.3
40°-50°	169.3	14.8
50°-60°	125.0	10.9
60°-70°	82.3	7.2
70°-80°	42.6	3.7
80°-90°	9.7	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°	508.5	44.3
0°-40°	718.1	62.6
0°-60°	1012.5	88.3
0°-90°	1147.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1147.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	893	893	893	893	893	
5°	868	868	870	870	873	81
15°	706	708	708	708	712	197
25°	501	500	501	501	504	230
35°	333	332	335	335	336	209
45°	217	219	219	219	219	169
55°	140	138	140	138	140	125
65°	82	82	82	82	82	83
75°	41	40	40	40	40	44
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°	893.3	893.3	893.3	893.3	893.3
1°	891.7	891.7	893.3	891.7	896.4
2°	890.1	888.5	888.5	888.5	893.3
3°	883.7	883.7	885.3	883.7	888.5
4°	879.0	877.4	879.0	877.4	882.2
5°	867.9	867.9	869.5	869.5	872.6
6°	858.4	858.4	859.9	858.4	863.1
7°	847.3	847.3	847.3	847.3	850.4
8°	833.0	833.0	834.6	834.6	837.7
9°	820.3	818.7	818.7	818.7	823.5
10°	802.8	802.8	802.8	802.8	806.0
11°	785.4	785.4	785.4	785.4	788.5
12°	766.3	766.3	767.9	766.3	771.1
13°	748.9	748.9	748.9	748.9	752.1
14°	728.3	726.7	728.3	728.3	733.0
15°	706.0	707.6	707.6	707.6	712.4
17.5°	655.3	655.3	656.9	653.7	656.9
20°	602.9	601.3	602.9	602.9	604.5
22.5°	549.0	550.6	550.6	550.6	553.7
25°	501.4	499.8	501.4	501.4	504.5
27.5°	452.2	453.8	455.4	453.8	456.9
30°	407.8	410.9	412.5	409.3	414.1
32.5°	368.1	368.1	369.7	371.3	372.9
35°	333.2	331.6	334.8	334.8	336.4
37.5°	299.9	299.9	299.9	301.5	303.0
40°	269.7	269.7	271.3	271.3	272.9
42.5°	242.8	241.2	242.8	242.8	242.8
45°	217.4	219.0	219.0	219.0	219.0
47.5°	195.2	195.2	196.7	195.2	196.7
50°	174.5	174.5	174.5	174.5	176.1
52.5°	155.5	155.5	155.5	155.5	157.1
55°	139.6	138.0	139.6	138.0	139.6
57.5°	123.8	123.8	123.8	123.8	123.8
60°	109.5	107.9	109.5	107.9	109.5
62.5°	95.2	95.2	95.2	95.2	95.2
65°	82.5	82.5	82.5	82.5	82.5
67.5°	71.4	71.4	71.4	69.8	69.8
70°	60.3	60.3	60.3	60.3	60.3
72.5°	50.8	49.2	49.2	49.2	49.2
75°	41.3	39.7	39.7	39.7	39.7
77.5°	31.7	31.7	30.1	30.1	31.7
80°	23.8	22.2	22.2	22.2	22.2
82.5°	14.3	14.3	14.3	14.3	14.3
85°	7.9	7.9	7.9	7.9	7.9
87.5°	1.6	1.6	1.6	3.2	3.2



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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)