

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: P1319678

Luminaire Tested: LDSQA3D02R309840DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319678
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R309840DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 98CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

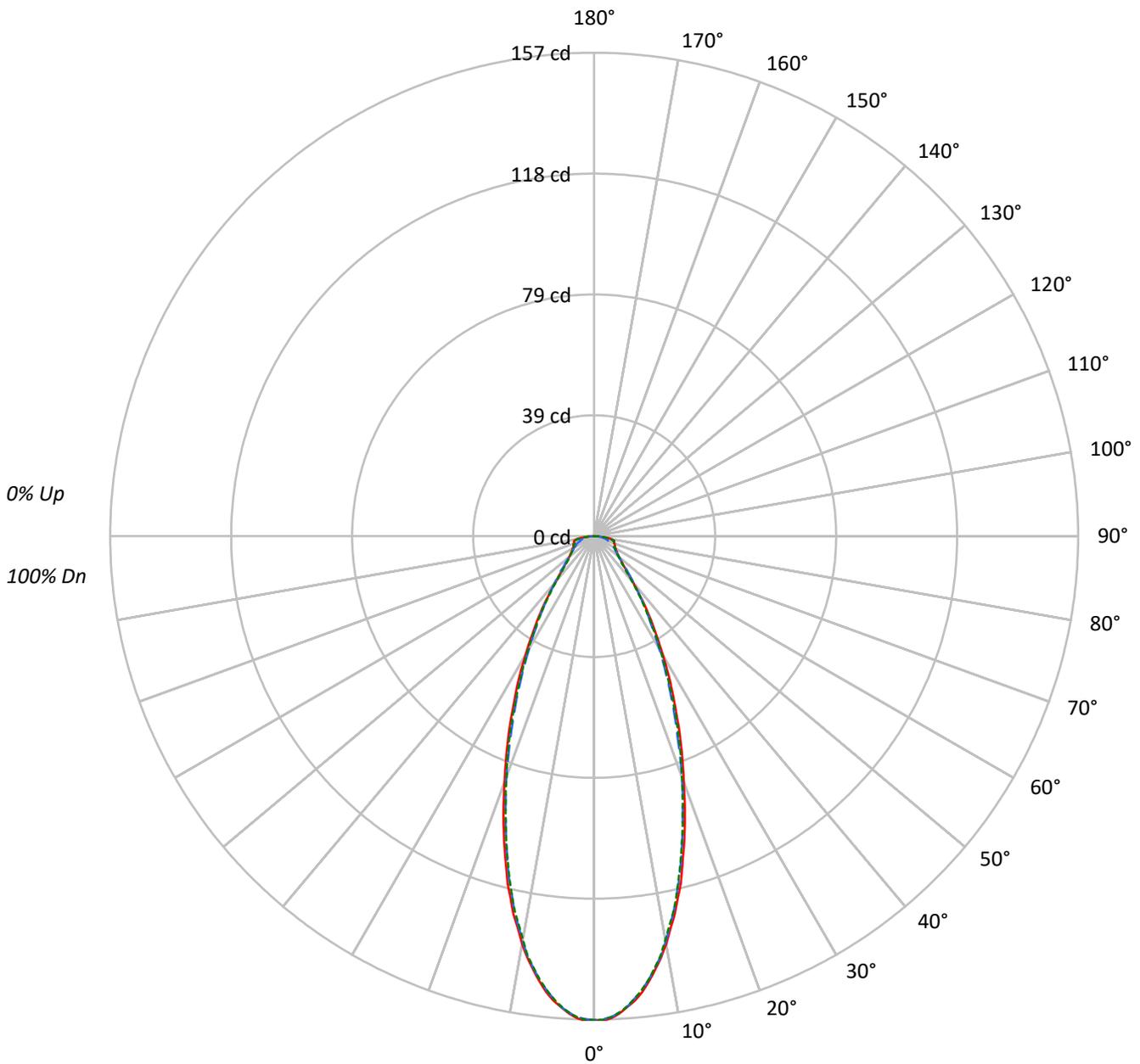
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 124.0 lumens
Efficiency: N/A
Efficacy: 34.4 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
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°-180° - - 45°-225° - · - · 90°-270°



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CATALOG NUMBER: LDSQA3D02R309840DE010 3LSQPHRLP1MW

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	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	91	91	91	89
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	81	81	81	79
3	97	89	83	78	95	88	82	77	85	80	76	83	78	75	80	77	74	74	74	74	72
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	67	67	67	66
5	86	76	70	64	85	75	69	64	74	68	63	72	67	63	70	66	62	62	62	62	61
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	58	58	58	56
7	77	67	60	55	76	66	60	55	65	59	55	63	58	54	62	58	54	54	54	54	52
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	51	51	51	49
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	48	48	48	46
10	67	56	50	45	66	56	49	45	55	49	45	54	49	45	53	48	45	45	45	45	43

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	27073	27073	27073
5°	26191	26070	26070
10°	23521	23381	23276
15°	19702	19399	19363
20°	15560	15249	15249
25°	11915	11440	11649
30°	8830	8392	8571
35°	6391	6118	6139
40°	4406	4474	4272
45°	3288	3434	3142
50°	2840	2786	2786
55°	2672	2552	2612
60°	2756	2549	2687
65°	3016	2567	2934
70°	3525	2568	3424
75°	4525	2795	4392
80°	5653	2975	5256
85°	4545	2964	4150

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 5653 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.9	11.2
10°-20°	30.1	24.3
20°-30°	28.1	22.7
30°-40°	18.6	15.0
40°-50°	10.9	8.8
50°-60°	7.9	6.4
60°-70°	6.7	5.4
70°-80°	5.5	4.4
80°-90°	2.3	1.9
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°	72.1	58.2
0°-40°	90.7	73.2
0°-60°	109.5	88.3
0°-90°	124.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	124.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	157	157	157	157	157	
5°	152	151	151	151	151	14
15°	110	109	109	109	109	31
25°	63	62	60	60	61	29
35°	30	30	29	29	29	19
45°	14	14	14	13	13	11
55°	9	9	8	9	9	8
65°	7	7	6	7	7	7
75°	7	5	4	5	7	7
85°	2	3	2	2	2	3
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	157.2	157.2	157.2	157.2	157.2
1°	157.4	157.2	156.9	157.1	157.1
2°	156.7	156.5	156.3	156.3	156.3
3°	155.3	155.2	155.0	155.0	155.0
4°	153.4	153.3	153.3	153.1	153.1
5°	151.5	151.4	150.8	150.8	150.8
6°	148.9	148.7	148.3	148.1	148.1
7°	145.7	145.7	145.1	144.9	145.1
8°	142.2	142.1	141.7	141.5	141.5
9°	138.6	138.1	138.1	137.5	137.9
10°	134.5	134.1	133.7	133.3	133.1
11°	129.7	129.5	128.9	128.6	128.4
12°	125.7	124.8	124.4	123.8	124.2
13°	120.6	120.0	119.1	118.9	119.1
14°	116.2	115.1	114.3	113.9	113.8
15°	110.5	109.4	108.8	108.6	108.6
17.5°	97.8	97.0	95.5	95.5	95.5
20°	84.9	84.1	83.2	83.0	83.2
22.5°	73.7	72.4	70.8	71.0	72.2
25°	62.7	61.5	60.2	60.4	61.3
27.5°	53.4	51.8	50.5	50.9	51.5
30°	44.4	43.5	42.2	42.5	43.1
32.5°	36.8	36.3	34.8	35.1	35.7
35°	30.4	29.8	29.1	29.2	29.2
37.5°	24.3	24.3	24.1	23.9	23.7
40°	19.6	19.9	19.9	19.4	19.0
42.5°	16.0	16.3	16.7	16.0	15.4
45°	13.5	13.7	14.1	13.3	12.9
47.5°	11.8	11.8	12.2	11.6	11.4
50°	10.6	10.6	10.4	10.3	10.4
52.5°	9.7	9.5	9.3	9.5	9.5
55°	8.9	8.7	8.5	8.7	8.7
57.5°	8.4	8.2	8.0	8.0	8.2
60°	8.0	7.6	7.4	7.6	7.8
62.5°	7.6	7.0	6.8	7.0	7.4
65°	7.4	6.6	6.3	6.6	7.2
67.5°	7.2	6.3	5.7	6.3	7.0
70°	7.0	5.9	5.1	5.9	6.8
72.5°	6.8	5.5	4.7	5.5	6.8
75°	6.8	5.1	4.2	5.1	6.6
77.5°	6.5	4.7	3.6	4.7	6.3
80°	5.7	4.4	3.0	4.2	5.3
82.5°	4.2	3.8	2.3	3.6	4.0
85°	2.3	2.7	1.5	2.5	2.1
87.5°	0.4	0.6	0.4	1.1	0.8



TEST NUMBER: P1319678
CATALOG NUMBER: LDSQA3D02R309840DE010 3LSQPHRLP1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)