

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: P1314732

Luminaire Tested: LDSQA3D13R709730DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314732
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-43)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R709730DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

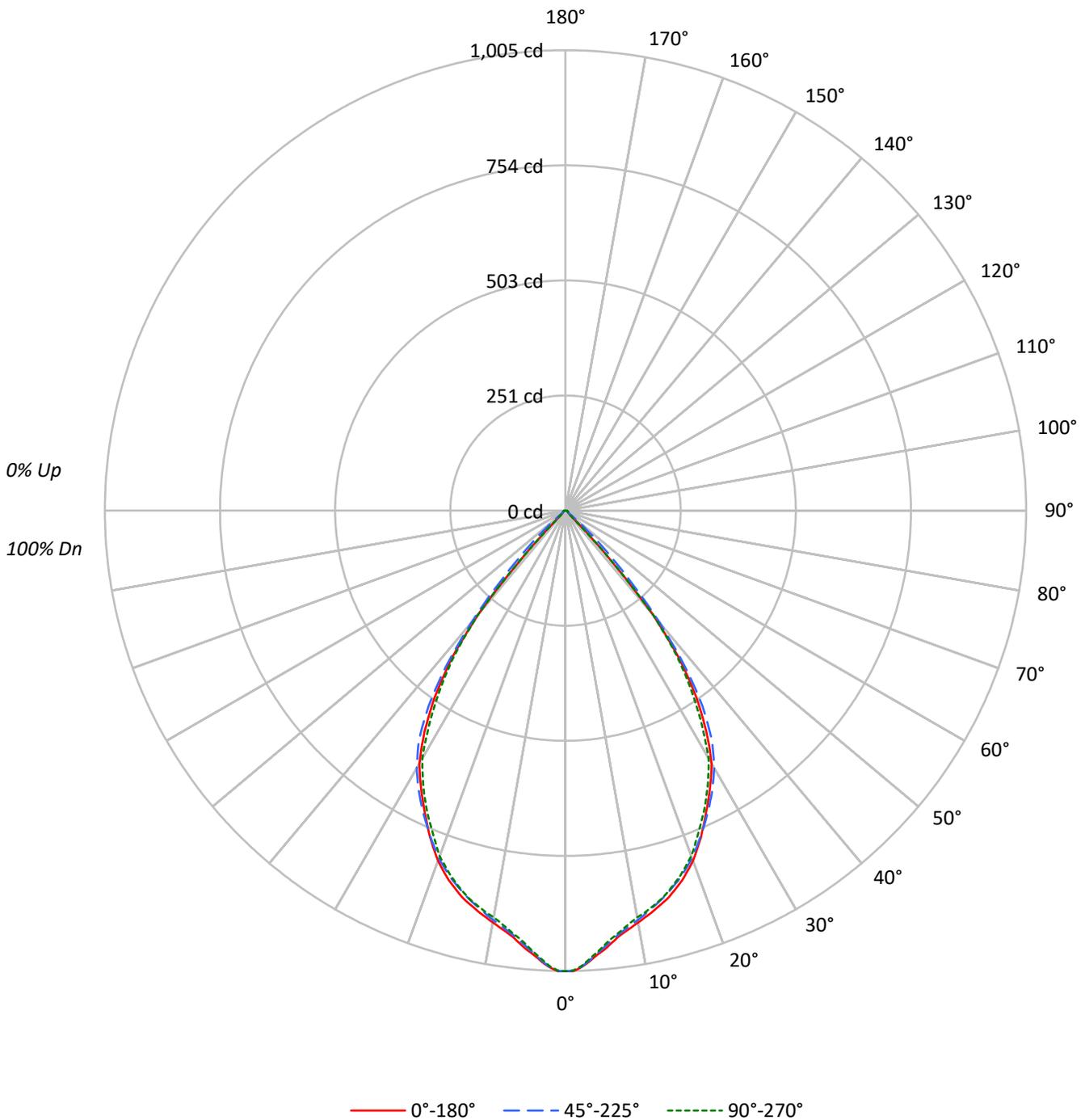
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1072.0 lumens
Efficiency: N/A
Efficacy: 73.4 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
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	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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	93	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	86	86	86
3	101	95	89	85	99	93	88	84	90	86	83	88	85	82	86	83	80	79	79	79
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	81	77	74	73	73	73
5	91	82	76	71	89	81	75	71	79	74	70	77	73	69	76	72	69	67	67	67
6	86	76	70	65	84	75	69	65	74	69	65	72	68	64	71	67	64	62	62	62
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	58	58	58
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	54	54	54
9	73	62	56	52	72	62	56	52	61	56	52	60	55	52	59	55	51	50	50	50
10	69	59	53	48	68	58	52	48	57	52	48	57	52	48	56	51	48	47	47	47

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	173153	173153	173153
5°	166432	165533	164928
10°	159665	158756	157689
15°	155654	153942	153782
20°	149131	148013	147060
25°	138073	139062	136420
30°	126817	129084	124231
35°	104597	109538	100560
40°	66592	71695	66592
45°	4676	30981	5090
50°	2090	6296	2090
55°	2342	2342	2342
60°	2411	2411	2411
65°	2119	2486	2119
70°	2216	2618	2216
75°	2329	2329	2329
80°	2579	2579	2579
85°	1778	3359	1778

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 30981 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.7	8.4
10°-20°	242.9	22.7
20°-30°	333.9	31.1
30°-40°	305.8	28.5
40°-50°	81.2	7.6
50°-60°	7.2	0.7
60°-70°	5.9	0.6
70°-80°	4.0	0.4
80°-90°	1.5	0.1
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°	666.5	62.2
0°-40°	972.3	90.7
0°-60°	1060.7	98.9
0°-90°	1072.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1072.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1005	1005	1005	1005	1005	
5°	963	958	958	956	954	90
15°	873	865	863	863	862	245
25°	727	729	732	723	718	334
35°	498	505	521	498	478	302
45°	19	65	127	66	21	58
55°	8	8	8	8	8	7
65°	5	6	6	6	5	5
75°	4	4	4	4	4	4
85°	1	2	2	2	1	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1005.4	1005.4	1005.4	1005.4	1005.4
1°	1005.4	1003.6	1005.4	1005.4	1003.6
2°	997.5	995.8	996.7	995.8	994.9
3°	986.2	983.6	984.5	982.7	981.0
4°	973.1	970.5	970.5	969.7	967.9
5°	962.7	958.3	957.5	955.7	954.0
6°	950.5	946.1	945.3	942.7	940.9
7°	938.3	934.8	933.9	930.5	930.5
8°	928.7	924.4	924.4	920.0	920.0
9°	920.9	915.6	915.6	912.2	910.4
10°	913.0	907.8	907.8	903.5	901.7
11°	905.2	900.8	899.1	896.5	895.6
12°	898.2	892.1	890.4	889.5	887.8
13°	889.5	883.4	881.7	880.8	879.9
14°	881.7	873.8	873.0	871.2	872.1
15°	873.0	865.1	863.4	863.4	862.5
17.5°	846.0	840.7	838.1	836.4	834.6
20°	813.7	809.4	807.6	804.1	802.4
22.5°	771.9	771.0	770.2	765.8	758.8
25°	726.6	729.2	731.8	723.1	717.9
27.5°	683.0	690.0	692.6	683.9	672.6
30°	637.7	643.8	649.1	636.9	624.7
32.5°	572.4	587.2	595.0	581.1	553.2
35°	497.5	505.3	521.0	497.5	478.3
37.5°	410.3	414.7	426.9	411.2	398.1
40°	296.2	309.3	318.9	309.3	296.2
42.5°	133.3	186.4	210.8	196.9	139.4
45°	19.2	65.3	127.2	66.2	20.9
47.5°	7.8	10.5	66.2	9.6	7.8
50°	7.8	7.8	23.5	7.8	7.8
52.5°	7.8	7.8	8.7	7.8	7.8
55°	7.8	7.8	7.8	7.8	7.8
57.5°	7.0	7.0	7.8	7.0	7.0
60°	7.0	7.0	7.0	7.0	7.0
62.5°	6.1	7.0	7.0	7.0	6.1
65°	5.2	6.1	6.1	6.1	5.2
67.5°	5.2	5.2	5.2	5.2	5.2
70°	4.4	5.2	5.2	5.2	4.4
72.5°	4.4	4.4	4.4	4.4	4.4
75°	3.5	3.5	3.5	3.5	3.5
77.5°	2.6	3.5	3.5	3.5	2.6
80°	2.6	2.6	2.6	2.6	2.6
82.5°	1.7	1.7	1.7	1.7	1.7
85°	0.9	1.7	1.7	1.7	0.9
87.5°	0.9	0.9	0.9	0.9	0.9



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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)