

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: P1307239

Luminaire Tested: LDSQA3D13R709024DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307239
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: LDSQA3D13R709024DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

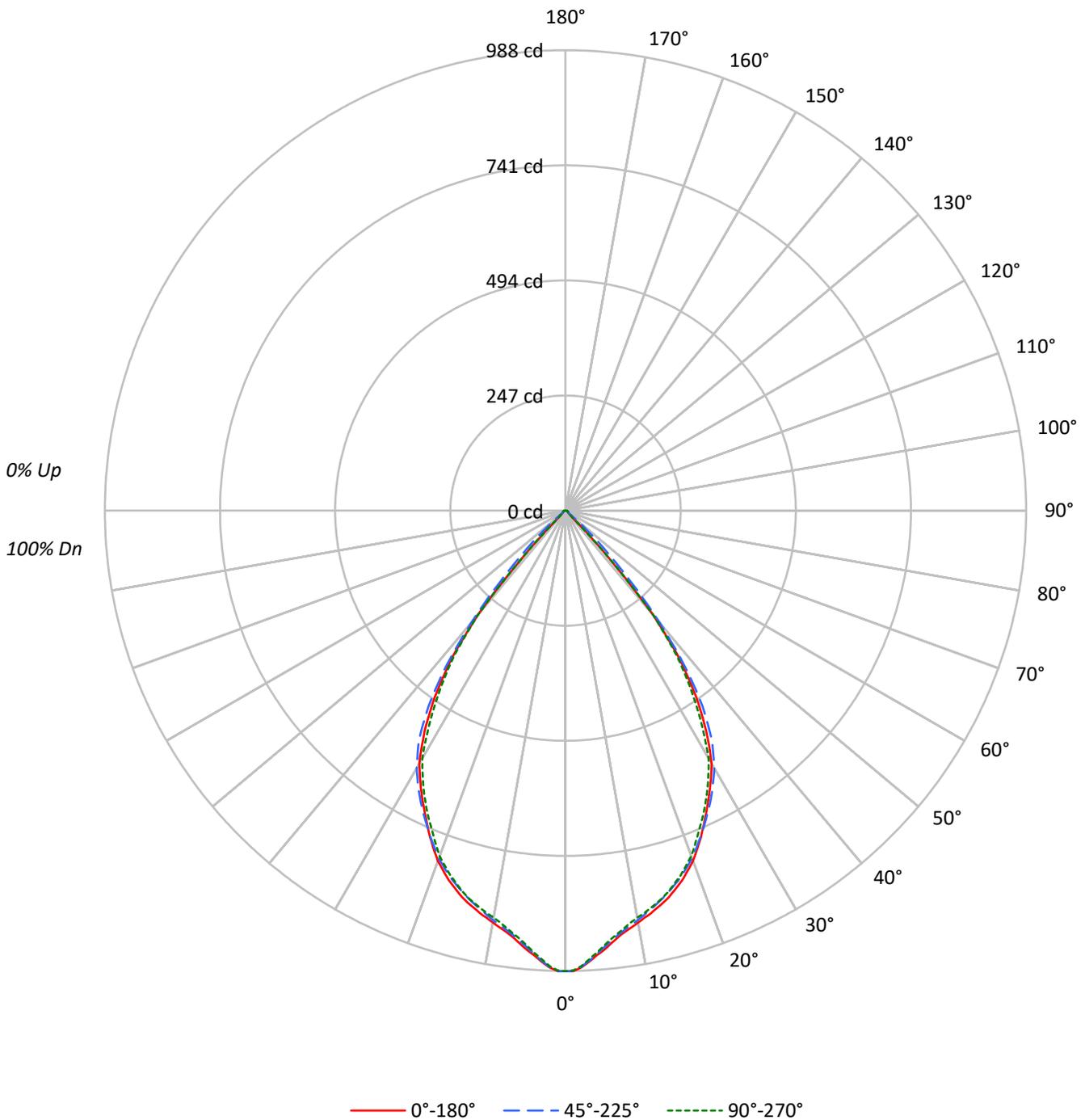
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1054.0 lumens
Efficiency: N/A
Efficacy: 72.2 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	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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	95	95	95	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	87	87	87	86
3	101	95	89	85	99	93	88	84	90	86	83	88	85	82	86	83	80	80	80	80	79
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	81	77	74	74	74	74	73
5	91	82	75	71	89	81	75	71	79	74	70	77	73	69	76	72	69	69	69	69	67
6	86	76	70	65	84	75	69	65	74	69	65	72	68	64	71	67	64	64	64	64	62
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	59	59	59	58
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	55	55	55	54
9	73	62	56	52	72	62	56	52	61	56	52	60	55	52	59	55	51	51	51	51	50
10	69	59	53	48	68	58	52	48	57	52	48	57	52	48	56	51	48	48	48	48	47

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	170242	170242	170242
5°	163631	162750	162162
10°	156989	156097	155048
15°	153033	151357	151197
20°	146639	145539	144586
25°	135755	136724	134121
30°	124689	126916	122143
35°	102831	107688	98878
40°	65468	70481	65468
45°	4579	30469	5017
50°	2063	6189	2063
55°	2312	2312	2312
60°	2377	2377	2377
65°	2078	2445	2078
70°	2165	2568	2165
75°	2262	2262	2262
80°	2579	2579	2579
85°	1778	3359	1778

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 30469 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.2	8.4
10°-20°	238.8	22.7
20°-30°	328.3	31.1
30°-40°	300.7	28.5
40°-50°	79.8	7.6
50°-60°	7.1	0.7
60°-70°	5.8	0.6
70°-80°	3.9	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°	655.3	62.2
0°-40°	955.9	90.7
0°-60°	1042.9	98.9
0°-90°	1054.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1054.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	988	988	988	988	988	
5°	946	942	941	940	938	89
15°	858	851	849	849	848	241
25°	714	717	720	711	706	328
35°	489	497	512	489	470	297
45°	19	64	125	65	21	57
55°	8	8	8	8	8	7
65°	5	6	6	6	5	5
75°	3	3	3	3	3	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°	988.5	988.5	988.5	988.5	988.5
1°	988.5	986.8	988.5	988.5	986.8
2°	980.8	979.1	979.9	979.1	978.2
3°	969.7	967.1	967.9	966.2	964.5
4°	956.8	954.2	954.2	953.4	951.7
5°	946.5	942.2	941.4	939.7	938.0
6°	934.5	930.3	929.4	926.8	925.1
7°	922.5	919.1	918.3	914.8	914.8
8°	913.1	908.8	908.8	904.6	904.6
9°	905.4	900.3	900.3	896.8	895.1
10°	897.7	892.6	892.6	888.3	886.6
11°	890.0	885.7	884.0	881.4	880.6
12°	883.1	877.1	875.4	874.6	872.9
13°	874.6	868.6	866.9	866.0	865.2
14°	866.9	859.2	858.3	856.6	857.4
15°	858.3	850.6	848.9	848.9	848.0
17.5°	831.7	826.6	824.0	822.3	820.6
20°	800.1	795.8	794.1	790.6	788.9
22.5°	758.9	758.1	757.2	752.9	746.1
25°	714.4	717.0	719.5	711.0	705.8
27.5°	671.6	678.4	681.0	672.4	661.3
30°	627.0	633.0	638.2	626.2	614.2
32.5°	562.8	577.3	585.0	571.3	543.9
35°	489.1	496.8	512.2	489.1	470.3
37.5°	403.5	407.7	419.7	404.3	391.5
40°	291.2	304.1	313.5	304.1	291.2
42.5°	131.1	183.3	207.3	193.6	137.1
45°	18.8	64.2	125.1	65.1	20.6
47.5°	7.7	10.3	65.1	9.4	7.7
50°	7.7	7.7	23.1	7.7	7.7
52.5°	7.7	7.7	8.6	7.7	7.7
55°	7.7	7.7	7.7	7.7	7.7
57.5°	6.9	6.9	7.7	6.9	6.9
60°	6.9	6.9	6.9	6.9	6.9
62.5°	6.0	6.9	6.9	6.9	6.0
65°	5.1	6.0	6.0	6.0	5.1
67.5°	5.1	5.1	5.1	5.1	5.1
70°	4.3	5.1	5.1	5.1	4.3
72.5°	4.3	4.3	4.3	4.3	4.3
75°	3.4	3.4	3.4	3.4	3.4
77.5°	2.6	3.4	3.4	3.4	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)