

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: P1311397

Luminaire Tested: LDSQA3D09R709040DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311397
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: LDSQA3D09R709040DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

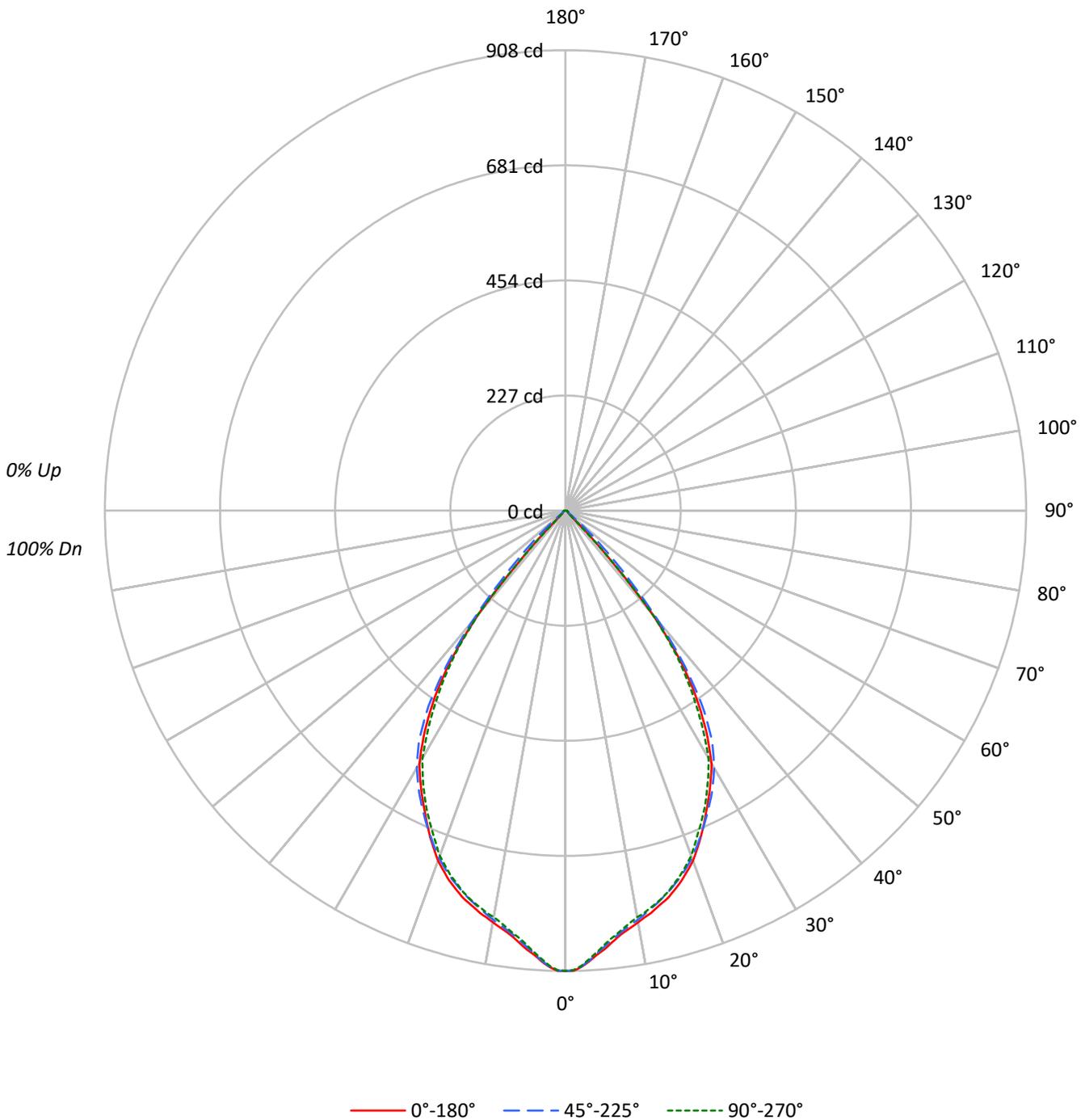
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 968.0 lumens
Efficiency: N/A
Efficacy: 87.2 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): 11.1
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	76	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°	156344	156344	156344
5°	150285	149472	148919
10°	144188	143349	142387
15°	140552	139001	138858
20°	134671	133663	132783
25°	124676	125570	123175
30°	114527	116555	112180
35°	94442	98899	90805
40°	60140	64726	60140
45°	4214	27985	4603
50°	1902	5680	1902
55°	2132	2132	2132
60°	2170	2170	2170
65°	1915	2241	1915
70°	1964	2367	1964
75°	2063	2063	2063
80°	2380	2380	2380
85°	1581	3162	1581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 27985 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.0	8.4
10°-20°	219.3	22.7
20°-30°	301.5	31.1
30°-40°	276.1	28.5
40°-50°	73.3	7.6
50°-60°	6.6	0.7
60°-70°	5.3	0.5
70°-80°	3.5	0.4
80°-90°	1.4	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°	601.8	62.2
0°-40°	877.9	90.7
0°-60°	957.8	98.9
0°-90°	968.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	968.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	908	908	908	908	908	
5°	869	865	865	863	861	81
15°	788	781	780	780	779	221
25°	656	658	661	653	648	302
35°	449	456	470	449	432	272
45°	17	59	115	60	19	52
55°	7	7	7	7	7	6
65°	5	6	6	6	5	5
75°	3	3	3	3	3	3
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°	907.8	907.8	907.8	907.8	907.8
1°	907.8	906.3	907.8	907.8	906.3
2°	900.8	899.2	900.0	899.2	898.4
3°	890.5	888.2	889.0	887.4	885.8
4°	878.7	876.4	876.4	875.6	874.0
5°	869.3	865.4	864.6	863.0	861.4
6°	858.3	854.4	853.6	851.2	849.6
7°	847.3	844.1	843.3	840.2	840.2
8°	838.6	834.7	834.7	830.8	830.8
9°	831.5	826.8	826.8	823.7	822.1
10°	824.5	819.7	819.7	815.8	814.2
11°	817.4	813.4	811.9	809.5	808.7
12°	811.1	805.6	804.0	803.2	801.6
13°	803.2	797.7	796.1	795.3	794.6
14°	796.1	789.1	788.3	786.7	787.5
15°	788.3	781.2	779.6	779.6	778.8
17.5°	763.9	759.2	756.8	755.2	753.7
20°	734.8	730.8	729.3	726.1	724.5
22.5°	697.0	696.2	695.4	691.5	685.2
25°	656.1	658.5	660.8	653.0	648.2
27.5°	616.8	623.1	625.4	617.6	607.3
30°	575.9	581.4	586.1	575.1	564.1
32.5°	516.9	530.2	537.3	524.7	499.6
35°	449.2	456.3	470.4	449.2	431.9
37.5°	370.5	374.5	385.5	371.3	359.5
40°	267.5	279.3	287.9	279.3	267.5
42.5°	120.4	168.4	190.4	177.8	125.9
45°	17.3	59.0	114.9	59.8	18.9
47.5°	7.1	9.4	59.8	8.7	7.1
50°	7.1	7.1	21.2	7.1	7.1
52.5°	7.1	7.1	7.9	7.1	7.1
55°	7.1	7.1	7.1	7.1	7.1
57.5°	6.3	6.3	7.1	6.3	6.3
60°	6.3	6.3	6.3	6.3	6.3
62.5°	5.5	6.3	6.3	6.3	5.5
65°	4.7	5.5	5.5	5.5	4.7
67.5°	4.7	4.7	4.7	4.7	4.7
70°	3.9	4.7	4.7	4.7	3.9
72.5°	3.9	3.9	3.9	3.9	3.9
75°	3.1	3.1	3.1	3.1	3.1
77.5°	2.4	3.1	3.1	3.1	2.4
80°	2.4	2.4	2.4	2.4	2.4
82.5°	1.6	1.6	1.6	1.6	1.6
85°	0.8	1.6	1.6	1.6	0.8
87.5°	0.8	0.8	0.8	0.8	0.8



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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)