

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: P1312171

Luminaire Tested: LDSQA3D02R709050DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312171
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: LDSQA3D02R709050DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

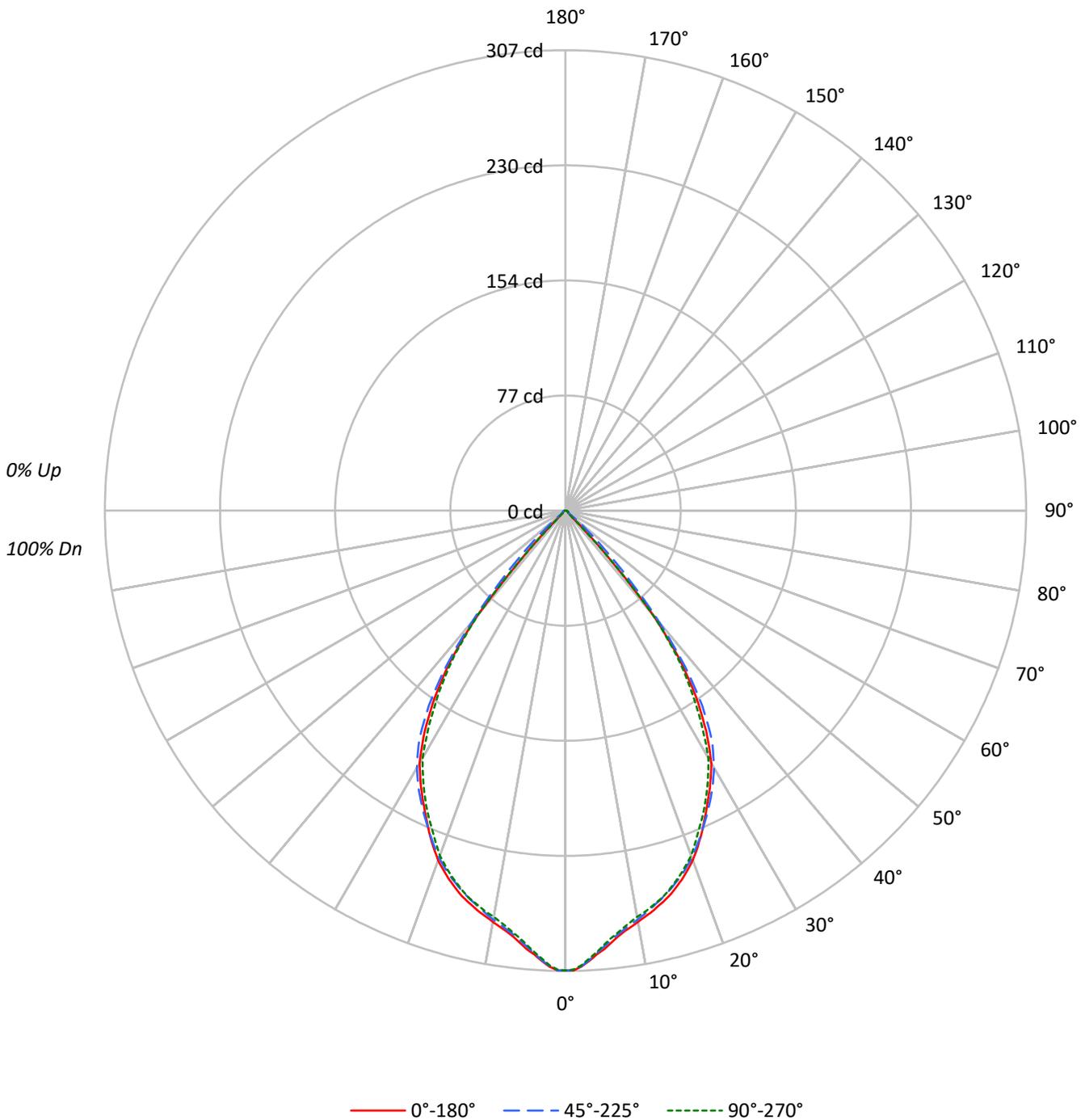
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 327.0 lumens
Efficiency: N/A
Efficacy: 90.8 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): 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





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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°	52821	52821	52821
5°	50775	50498	50308
10°	48704	48424	48109
15°	47481	46964	46910
20°	45489	45159	44866
25°	42110	42414	41616
30°	38679	39375	37884
35°	31894	33408	30675
40°	20324	21875	20324
45°	1413	9450	1559
50°	643	1929	643
55°	721	721	721
60°	723	723	723
65°	652	774	652
70°	655	806	655
75°	732	732	732
80°	793	793	793
85°	593	988	593

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 9450 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.4	8.4
10°-20°	74.1	22.7
20°-30°	101.8	31.1
30°-40°	93.3	28.5
40°-50°	24.8	7.6
50°-60°	2.2	0.7
60°-70°	1.8	0.6
70°-80°	1.2	0.4
80°-90°	0.4	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°	203.3	62.2
0°-40°	296.6	90.7
0°-60°	323.5	98.9
0°-90°	327.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	327.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	307	307	307	307	307	
5°	294	292	292	292	291	28
15°	266	264	263	263	263	75
25°	222	222	223	221	219	102
35°	152	154	159	152	146	92
45°	6	20	39	20	6	18
55°	2	2	2	2	2	2
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	306.7	306.7	306.7	306.7	306.7
1°	306.7	306.1	306.7	306.7	306.1
2°	304.3	303.8	304.0	303.8	303.5
3°	300.8	300.0	300.3	299.8	299.2
4°	296.8	296.0	296.0	295.8	295.3
5°	293.7	292.3	292.1	291.5	291.0
6°	289.9	288.6	288.3	287.5	287.0
7°	286.2	285.2	284.9	283.8	283.8
8°	283.3	282.0	282.0	280.6	280.6
9°	280.9	279.3	279.3	278.2	277.7
10°	278.5	276.9	276.9	275.6	275.1
11°	276.1	274.8	274.3	273.5	273.2
12°	274.0	272.1	271.6	271.3	270.8
13°	271.3	269.5	268.9	268.7	268.4
14°	268.9	266.6	266.3	265.8	266.0
15°	266.3	263.9	263.4	263.4	263.1
17.5°	258.0	256.5	255.7	255.1	254.6
20°	248.2	246.9	246.4	245.3	244.8
22.5°	235.5	235.2	234.9	233.6	231.5
25°	221.6	222.4	223.2	220.6	219.0
27.5°	208.4	210.5	211.3	208.6	205.2
30°	194.5	196.4	198.0	194.3	190.5
32.5°	174.6	179.1	181.5	177.3	168.8
35°	151.7	154.1	158.9	151.7	145.9
37.5°	125.2	126.5	130.2	125.4	121.4
40°	90.4	94.3	97.3	94.3	90.4
42.5°	40.7	56.9	64.3	60.1	42.5
45°	5.8	19.9	38.8	20.2	6.4
47.5°	2.4	3.2	20.2	2.9	2.4
50°	2.4	2.4	7.2	2.4	2.4
52.5°	2.4	2.4	2.7	2.4	2.4
55°	2.4	2.4	2.4	2.4	2.4
57.5°	2.1	2.1	2.4	2.1	2.1
60°	2.1	2.1	2.1	2.1	2.1
62.5°	1.9	2.1	2.1	2.1	1.9
65°	1.6	1.9	1.9	1.9	1.6
67.5°	1.6	1.6	1.6	1.6	1.6
70°	1.3	1.6	1.6	1.6	1.3
72.5°	1.3	1.3	1.3	1.3	1.3
75°	1.1	1.1	1.1	1.1	1.1
77.5°	0.8	1.1	1.1	1.1	0.8
80°	0.8	0.8	0.8	0.8	0.8
82.5°	0.5	0.5	0.5	0.5	0.5
85°	0.3	0.5	0.5	0.5	0.3
87.5°	0.3	0.3	0.3	0.3	0.3



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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)