

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: P1316152

Luminaire Tested: LDSQA3D02R509740DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316152
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R509740DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

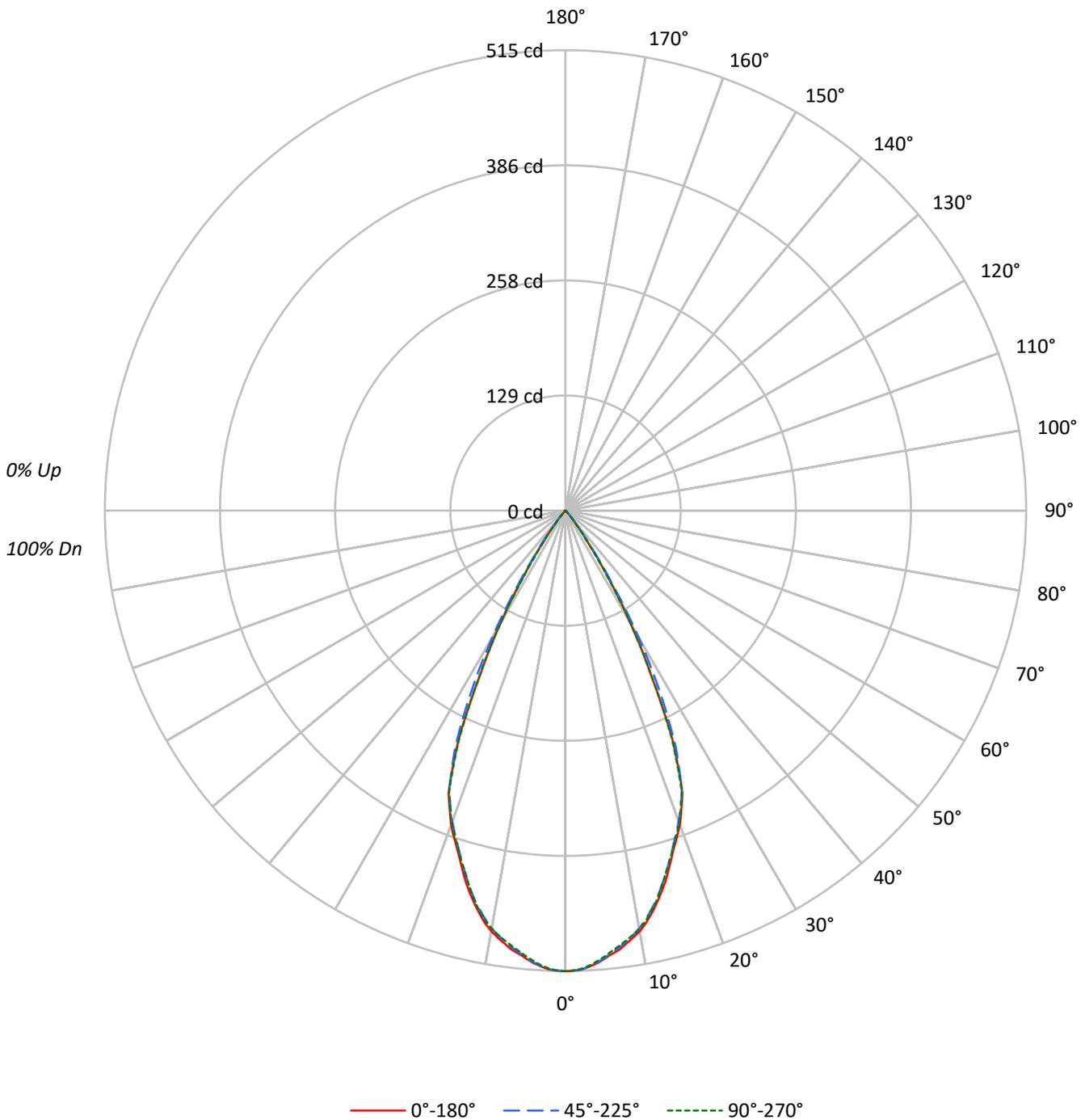
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 332.0 lumens
Efficiency: N/A
Efficacy: 92.2 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
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	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	91	90
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	86	86	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	81	81	81	81	80
5	96	88	83	80	94	88	83	79	86	82	78	84	81	78	83	80	77	77	77	77	76
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	73	72
7	88	80	74	71	87	79	74	71	78	73	70	77	73	70	76	72	69	69	69	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	66	66	66	65
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	63	63	63	62
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	88729	88729	88729
5°	86993	86821	86579
10°	83575	82998	83050
15°	76722	76008	75937
20°	68545	67812	68160
25°	53873	55450	53435
30°	28816	32296	28915
35°	9419	10996	8872
40°	2338	2923	2226
45°	292	1023	292
50°	188	322	188
55°	210	210	210
60°	172	172	172
65°	204	204	204
70°	101	101	101
75°	133	133	133
80°	198	198	198
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1023 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.1	14.2
10°-20°	119.1	35.9
20°-30°	125.3	37.7
30°-40°	36.1	10.9
40°-50°	2.9	0.9
50°-60°	0.6	0.2
60°-70°	0.5	0.1
70°-80°	0.2	0.1
80°-90°	0.1	0.0
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°	291.6	87.8
0°-40°	327.7	98.7
0°-60°	331.2	99.8
0°-90°	332.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	332.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	515	515	515	515	515	
5°	503	503	502	503	501	47
15°	430	428	426	426	426	120
25°	284	291	292	288	281	123
35°	45	46	52	45	42	35
45°	1	2	4	2	1	2
55°	1	1	1	1	1	1
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	515.2	515.2	515.2	515.2	515.2
1°	514.9	515.4	514.5	516.1	514.7
2°	513.8	514.0	513.5	514.7	512.8
3°	510.9	511.4	510.5	511.4	509.8
4°	507.6	507.6	506.7	507.4	505.3
5°	503.2	502.9	502.2	502.7	500.8
6°	498.4	498.2	497.0	497.0	495.6
7°	494.9	493.3	492.3	492.1	490.7
8°	489.2	488.8	486.9	486.9	485.9
9°	483.6	483.1	481.0	481.5	480.8
10°	477.9	476.3	474.6	474.9	474.9
11°	470.4	469.0	466.6	467.6	468.0
12°	461.4	459.8	457.7	459.6	459.3
13°	451.5	450.1	448.5	449.9	449.4
14°	441.2	439.1	437.6	438.6	438.1
15°	430.3	427.5	426.3	426.3	425.9
17.5°	399.9	398.3	397.1	396.4	398.0
20°	374.0	372.6	370.0	370.7	371.9
22.5°	341.5	341.2	339.8	338.7	340.1
25°	283.5	290.6	291.8	288.5	281.2
27.5°	206.0	222.5	228.4	220.6	207.2
30°	144.9	152.7	162.4	147.1	145.4
32.5°	87.4	89.6	98.5	87.9	85.5
35°	44.8	46.4	52.3	44.8	42.2
37.5°	21.0	21.9	24.3	21.0	19.6
40°	10.4	11.5	13.0	10.8	9.9
42.5°	4.5	5.9	7.5	5.7	4.0
45°	1.2	2.4	4.2	2.4	1.2
47.5°	0.7	0.9	2.4	0.9	0.7
50°	0.7	0.7	1.2	0.7	0.7
52.5°	0.7	0.7	0.7	0.7	0.7
55°	0.7	0.7	0.7	0.7	0.7
57.5°	0.7	0.7	0.7	0.7	0.7
60°	0.5	0.7	0.5	0.7	0.5
62.5°	0.5	0.5	0.5	0.5	0.5
65°	0.5	0.5	0.5	0.5	0.5
67.5°	0.5	0.5	0.5	0.5	0.5
70°	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2
77.5°	0.2	0.2	0.2	0.2	0.2
80°	0.2	0.2	0.2	0.2	0.2
82.5°	0.0	0.2	0.0	0.2	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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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)