

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: P1315171

Luminaire Tested: LDSQA3D02R459735DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315171
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R459735DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

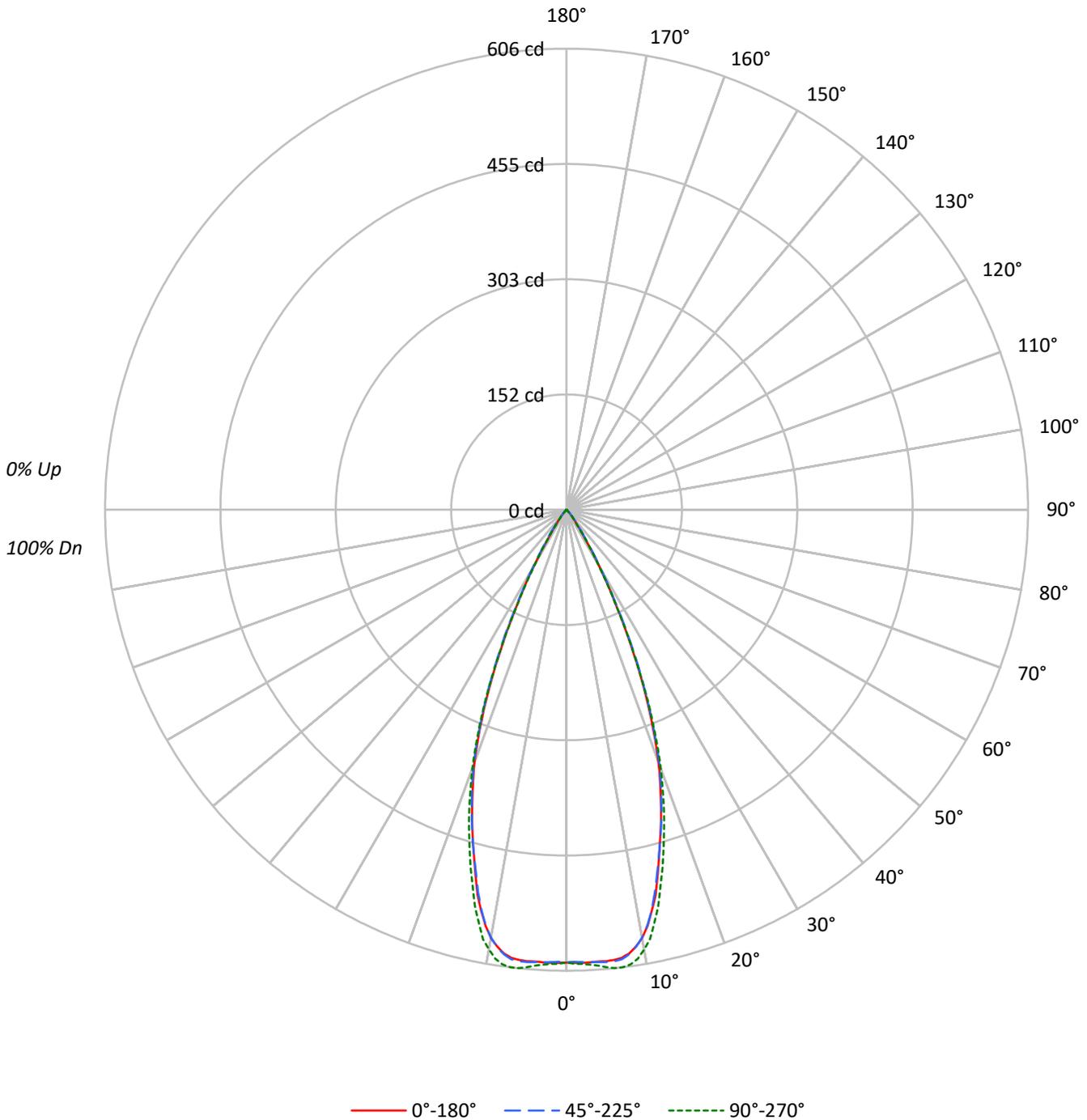
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 308.0 lumens
Efficiency: N/A
Efficacy: 85.6 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67
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	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	88	88	88	86
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	88	86	84	82
5	98	91	86	82	96	90	85	82	88	84	81	86	83	81	85	82	80	85	82	80	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	82	79	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	79	75	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	76	72	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	69	67	73	69	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	70	67	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	102490	102490	102490
5°	103002	103192	104368
10°	99944	99856	102637
15°	83764	83711	86795
20°	64751	65411	66327
25°	39697	40514	39773
30°	17023	17798	16486
35°	5340	6455	5193
40°	1844	2338	1776
45°	341	999	268
50°	188	375	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: 999 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.6	18.4
10°-20°	130.7	42.4
20°-30°	95.7	31.1
30°-40°	21.1	6.9
40°-50°	2.6	0.8
50°-60°	0.6	0.2
60°-70°	0.5	0.2
70°-80°	0.2	0.1
80°-90°	0.0	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°	282.9	91.9
0°-40°	304.1	98.7
0°-60°	307.3	99.8
0°-90°	308.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	308.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	595	595	595	595	595	
5°	596	595	597	601	604	56
15°	470	467	470	481	487	130
25°	209	209	213	212	209	95
35°	25	27	31	27	25	20
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°	595.1	595.1	595.1	595.1	595.1
1°	595.6	594.6	594.4	596.0	597.1
2°	596.0	594.9	595.1	596.7	597.4
3°	595.6	594.4	595.6	597.8	598.7
4°	595.3	594.9	596.0	599.2	600.8
5°	595.8	595.3	596.9	601.2	603.7
6°	595.1	594.4	596.7	602.1	605.8
7°	593.5	592.8	595.3	601.9	606.0
8°	589.2	587.8	590.3	598.5	603.5
9°	581.5	579.7	582.2	591.7	597.6
10°	571.5	569.4	571.0	580.3	586.9
11°	557.2	554.5	556.3	566.3	574.9
12°	539.0	535.2	537.4	548.8	554.9
13°	519.3	515.6	516.1	526.3	534.9
14°	494.7	490.0	492.0	502.7	509.5
15°	469.8	467.3	469.5	480.9	486.8
17.5°	412.5	412.3	414.4	422.8	425.9
20°	353.3	354.0	356.9	361.5	361.9
22.5°	283.1	283.4	286.5	289.7	289.0
25°	208.9	208.7	213.2	211.6	209.3
27.5°	138.5	139.4	143.5	140.5	138.3
30°	85.6	87.4	89.5	85.8	82.9
32.5°	46.3	49.3	52.2	49.0	46.1
35°	25.4	26.8	30.7	26.8	24.7
37.5°	14.8	15.4	17.9	15.4	14.1
40°	8.2	9.3	10.4	9.3	7.9
42.5°	3.4	5.2	6.4	5.2	3.4
45°	1.4	2.3	4.1	2.3	1.1
47.5°	0.7	0.9	2.5	0.9	0.7
50°	0.7	0.7	1.4	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	0.5	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	0.5	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	0.0	0.0	0.0	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)