

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: P1315817

Luminaire Tested: LDSQA3D17R509735DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315817
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-27)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R509735DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

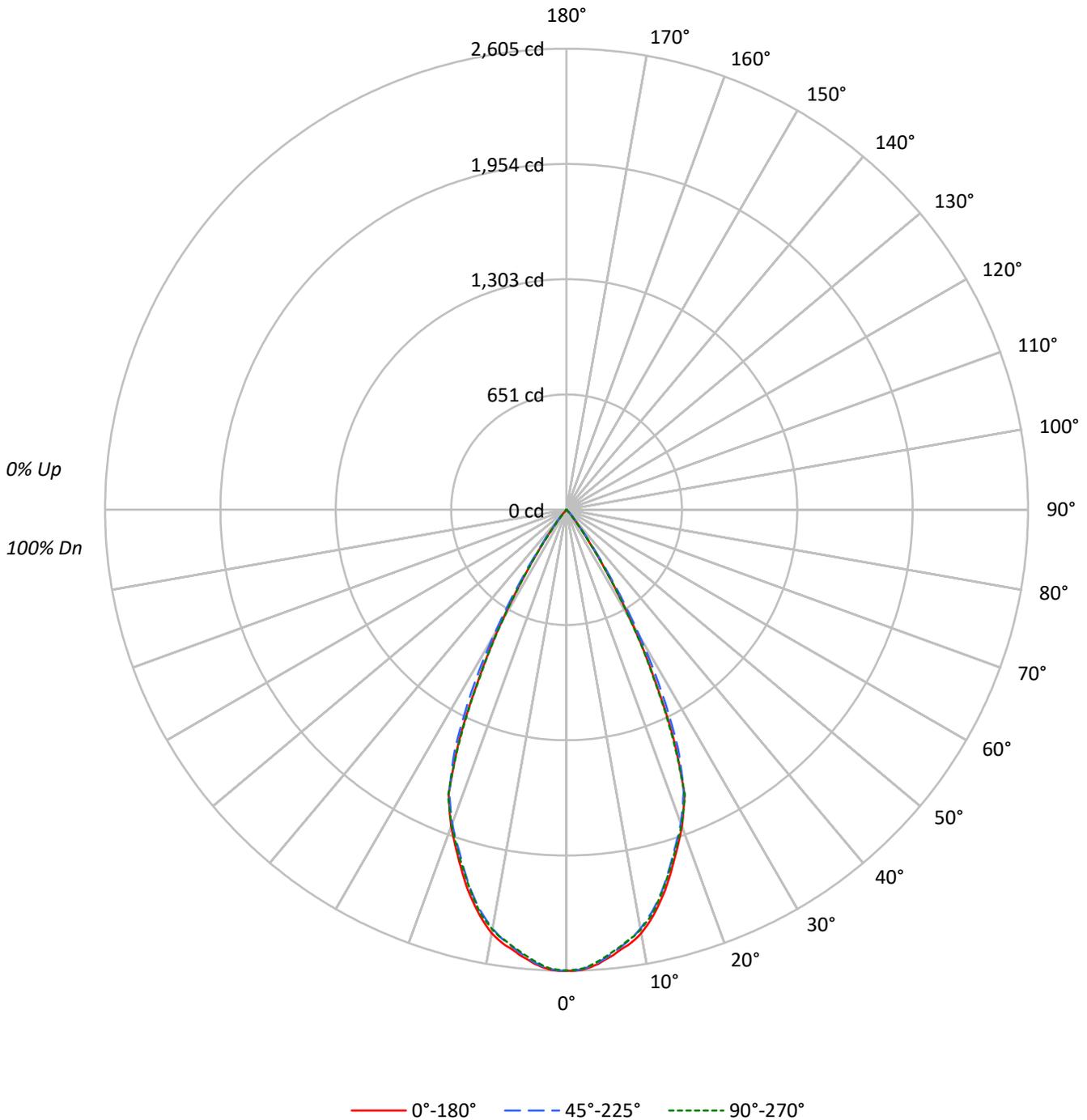
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1677.0 lumens
Efficiency: N/A
Efficacy: 79.1 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): 21.2
Input Voltage (V): NR
Input Current (Ain): 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

TEST NUMBER: P1315817
CATALOG NUMBER: LDSQA3D17R509735DE010 3LSQCDR1MB

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	110	108	106	106	104	102	102	101	99	98	97	97	97	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	91	91	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	86	86	86	85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	82	82	82	80
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	77	77	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	73	73	73	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	70	70	70	69
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	66	66	66	65
9	81	73	67	64	80	72	67	64	71	67	64	70	66	63	70	66	63	63	63	63	62
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	448502	448502	448502
5°	440690	439445	438200
10°	425010	420393	421232
15°	390972	386051	387121
20°	349122	345823	347802
25°	271719	283102	268755
30°	147180	164362	144555
35°	46401	55231	45392
40°	10252	14299	9712
45°	292	4384	292
50°	0	643	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 4384 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	238.6	14.2
10°-20°	606.2	36.1
20°-30°	638.5	38.1
30°-40°	182.3	10.9
40°-50°	11.3	0.7
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
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°	1483.3	88.4
0°-40°	1665.7	99.3
0°-60°	1677.0	100.0
0°-90°	1677.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1677.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2604	2604	2604	2604	2604	
5°	2549	2547	2542	2540	2535	240
15°	2193	2178	2165	2169	2171	611
25°	1430	1483	1490	1473	1414	626
35°	221	236	263	223	216	172
45°	1	6	18	6	1	7
55°	0	0	0	0	0	0
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°	2604.2	2604.2	2604.2	2604.2	2604.2
1°	2605.4	2606.6	2604.2	2606.6	2600.6
2°	2601.8	2599.4	2597.0	2598.2	2594.6
3°	2588.6	2587.4	2582.6	2583.8	2579.0
4°	2571.8	2568.2	2564.6	2562.2	2557.5
5°	2549.1	2546.7	2541.9	2539.5	2534.7
6°	2529.9	2525.1	2516.7	2514.3	2509.5
7°	2504.7	2502.3	2491.5	2489.1	2486.7
8°	2485.5	2478.3	2465.1	2466.3	2460.3
9°	2460.3	2450.7	2437.5	2437.5	2438.7
10°	2430.3	2415.9	2403.9	2407.5	2408.7
11°	2390.7	2381.1	2363.1	2371.5	2371.5
12°	2347.5	2335.5	2322.3	2329.5	2334.3
13°	2297.1	2287.6	2275.6	2282.8	2280.4
14°	2248.0	2230.0	2221.6	2231.2	2227.6
15°	2192.8	2178.4	2165.2	2168.8	2171.2
17.5°	2045.2	2029.6	2020.1	2021.3	2032.0
20°	1904.9	1898.9	1886.9	1891.7	1897.7
22.5°	1739.4	1741.8	1727.4	1731.0	1745.4
25°	1429.9	1482.7	1489.8	1473.1	1414.3
27.5°	1059.2	1138.4	1162.4	1124.0	1052.0
30°	740.1	761.7	826.5	753.3	726.9
32.5°	434.2	466.6	501.4	451.0	433.0
35°	220.7	236.3	262.7	223.1	215.9
37.5°	102.0	109.2	120.0	102.0	96.0
40°	45.6	54.0	63.6	51.6	43.2
42.5°	14.4	25.2	33.6	22.8	13.2
45°	1.2	6.0	18.0	6.0	1.2
47.5°	0.0	1.2	7.2	1.2	0.0
50°	0.0	0.0	2.4	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
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)