

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: P1314847

Luminaire Tested: LDSQA3D17R509730DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314847
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: LDSQA3D17R509730DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

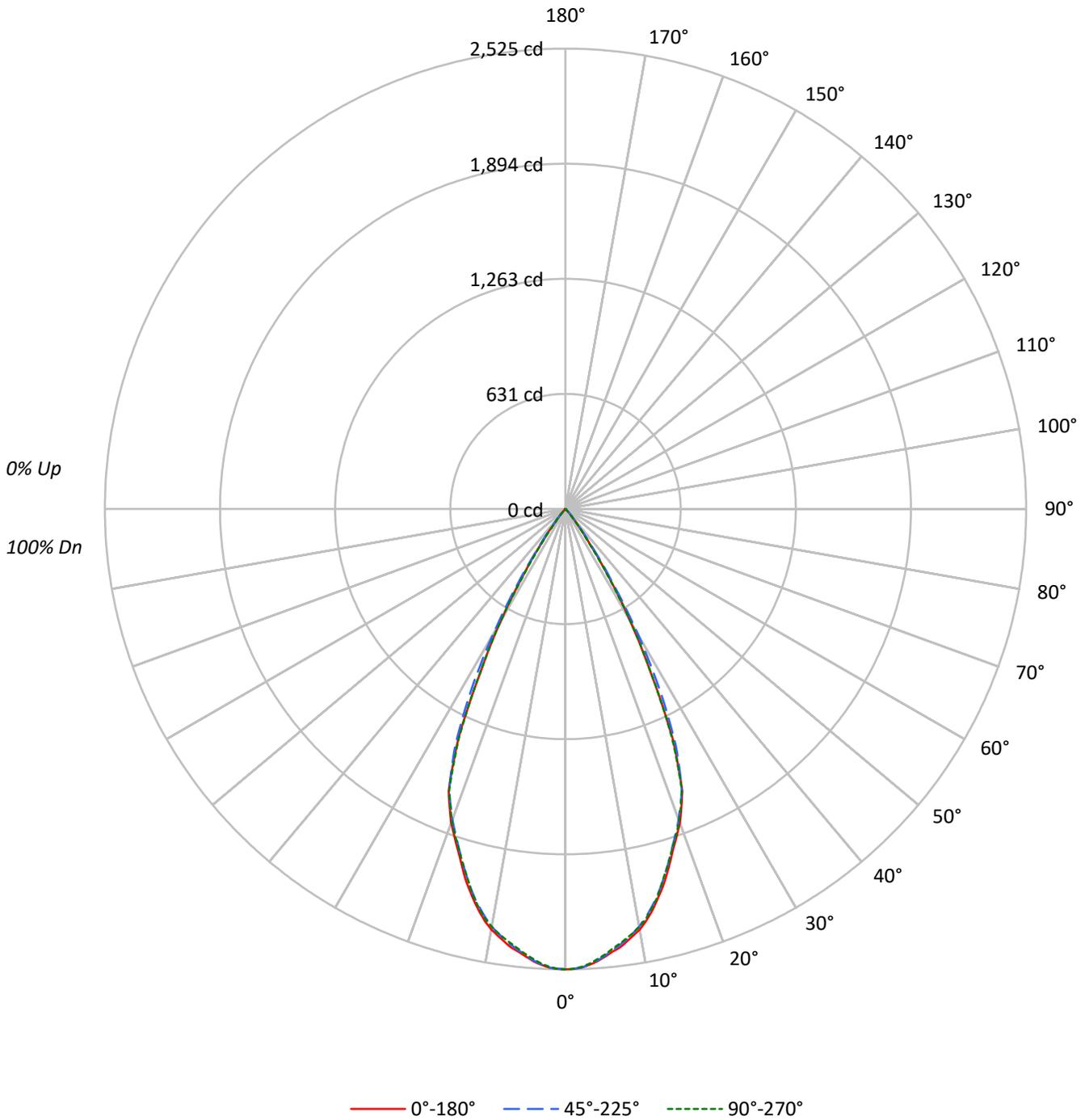
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1627.1 lumens
Efficiency: N/A
Efficacy: 76.7 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 (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				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	79	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	70	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°	434811	434811	434811
5°	426289	425476	424283
10°	409603	406770	406979
15°	376013	372518	372090
20°	335926	332315	334020
25°	264023	271700	261819
30°	141254	158237	141712
35°	46128	53907	43458
40°	11421	14276	10904
45°	1413	5066	1413
50°	938	1554	938
55°	1051	1051	1051
60°	792	792	792
65°	937	937	937
70°	604	604	604
75°	799	799	799
80°	1190	1190	1190
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 5066 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.8	14.2
10°-20°	583.9	35.9
20°-30°	614.1	37.7
30°-40°	177.0	10.9
40°-50°	14.4	0.9
50°-60°	3.1	0.2
60°-70°	2.2	0.1
70°-80°	1.3	0.1
80°-90°	0.3	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°	1428.8	87.8
0°-40°	1605.8	98.7
0°-60°	1623.3	99.8
0°-90°	1627.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1627.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2525	2525	2525	2525	2525	
5°	2466	2465	2461	2463	2454	231
15°	2109	2095	2089	2089	2087	587
25°	1389	1424	1430	1414	1378	602
35°	219	228	256	219	207	170
45°	6	12	21	12	6	11
55°	4	4	4	4	4	3
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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2524.7	2524.7	2524.7	2524.7	2524.7
1°	2523.5	2525.8	2521.2	2529.3	2522.3
2°	2517.7	2518.9	2516.6	2522.3	2513.1
3°	2503.9	2506.2	2501.6	2506.2	2498.1
4°	2487.7	2487.7	2483.1	2486.5	2476.2
5°	2465.8	2464.6	2461.1	2463.4	2454.2
6°	2442.7	2441.5	2435.7	2435.7	2428.8
7°	2425.3	2417.2	2412.6	2411.5	2404.5
8°	2397.6	2395.3	2386.1	2386.1	2381.4
9°	2369.9	2367.6	2357.2	2359.5	2356.0
10°	2342.2	2334.1	2326.0	2327.2	2327.2
11°	2305.2	2298.3	2286.7	2291.4	2293.7
12°	2261.3	2253.3	2242.9	2252.1	2250.9
13°	2212.8	2205.9	2197.8	2204.7	2202.4
14°	2162.0	2151.6	2144.7	2149.3	2147.0
15°	2108.9	2095.0	2089.3	2089.3	2086.9
17.5°	1959.9	1951.8	1946.0	1942.6	1950.7
20°	1832.9	1825.9	1813.2	1816.7	1822.5
22.5°	1673.5	1672.3	1665.4	1659.6	1666.6
25°	1389.4	1424.0	1429.8	1413.6	1377.8
27.5°	1009.4	1090.2	1119.1	1081.0	1015.2
30°	710.3	748.4	795.7	720.7	712.6
32.5°	428.5	438.9	482.8	430.8	419.2
35°	219.4	227.5	256.4	219.4	206.7
37.5°	102.8	107.4	119.0	102.8	95.9
40°	50.8	56.6	63.5	53.1	48.5
42.5°	21.9	28.9	37.0	27.7	19.6
45°	5.8	11.5	20.8	11.5	5.8
47.5°	3.5	4.6	11.5	4.6	3.5
50°	3.5	3.5	5.8	3.5	3.5
52.5°	3.5	3.5	3.5	3.5	3.5
55°	3.5	3.5	3.5	3.5	3.5
57.5°	3.5	3.5	3.5	3.5	3.5
60°	2.3	3.5	2.3	3.5	2.3
62.5°	2.3	2.3	2.3	2.3	2.3
65°	2.3	2.3	2.3	2.3	2.3
67.5°	2.3	2.3	2.3	2.3	2.3
70°	1.2	1.2	1.2	1.2	1.2
72.5°	1.2	1.2	1.2	1.2	1.2
75°	1.2	1.2	1.2	1.2	1.2
77.5°	1.2	1.2	1.2	1.2	1.2
80°	1.2	1.2	1.2	1.2	1.2
82.5°	0.0	1.2	0.0	1.2	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)