

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: P1316791

Luminaire Tested: LDSQA3D17R509740DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316791
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: LDSQA3D17R509740DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

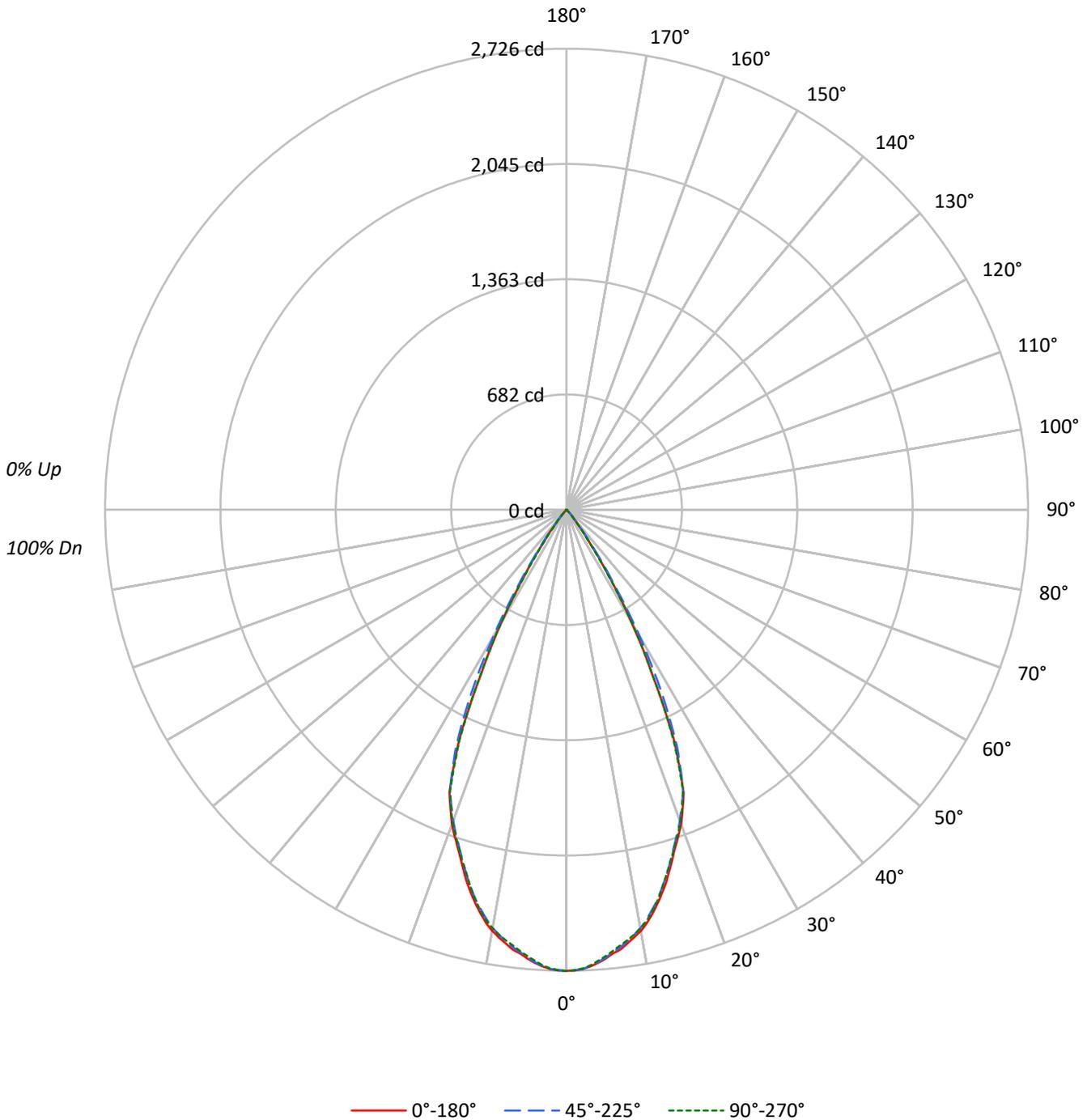
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1756.9 lumens
Efficiency: N/A
Efficacy: 82.9 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	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°	469548	469548	469548
5°	460346	459482	458185
10°	442323	439280	439490
15°	406056	402276	401830
20°	362757	358872	360705
25°	285116	293401	282741
30°	152530	170885	153027
35°	49828	58217	46927
40°	12343	15423	11781
45°	1510	5456	1510
50°	991	1661	991
55°	1111	1111	1111
60°	861	861	861
65°	1019	1019	1019
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: 5456 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	249.3	14.2
10°-20°	630.5	35.9
20°-30°	663.2	37.7
30°-40°	191.1	10.9
40°-50°	15.5	0.9
50°-60°	3.3	0.2
60°-70°	2.4	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°	1543.0	87.8
0°-40°	1734.1	98.7
0°-60°	1752.9	99.8
0°-90°	1756.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1756.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2726	2726	2726	2726	2726	
5°	2663	2662	2658	2660	2650	250
15°	2277	2262	2256	2256	2254	634
25°	1500	1538	1544	1527	1488	650
35°	237	246	277	237	223	183
45°	6	12	22	12	6	12
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°	2726.4	2726.4	2726.4	2726.4	2726.4
1°	2725.1	2727.6	2722.6	2731.4	2723.9
2°	2718.9	2720.1	2717.7	2723.9	2713.9
3°	2703.9	2706.4	2701.4	2706.4	2697.7
4°	2686.5	2686.5	2681.5	2685.2	2674.0
5°	2662.8	2661.5	2657.8	2660.3	2650.3
6°	2637.8	2636.6	2630.3	2630.3	2622.9
7°	2619.1	2610.4	2605.4	2604.2	2596.7
8°	2589.2	2586.7	2576.7	2576.7	2571.7
9°	2559.3	2556.8	2545.5	2548.0	2544.3
10°	2529.3	2520.6	2511.9	2513.1	2513.1
11°	2489.4	2481.9	2469.5	2474.4	2476.9
12°	2442.0	2433.3	2422.1	2432.0	2430.8
13°	2389.6	2382.2	2373.4	2380.9	2378.4
14°	2334.8	2323.5	2316.1	2321.0	2318.5
15°	2277.4	2262.4	2256.2	2256.2	2253.7
17.5°	2116.5	2107.8	2101.5	2097.8	2106.5
20°	1979.3	1971.8	1958.1	1961.8	1968.1
22.5°	1807.2	1805.9	1798.5	1792.2	1799.7
25°	1500.4	1537.8	1544.0	1526.6	1487.9
27.5°	1090.1	1177.4	1208.5	1167.4	1096.3
30°	767.0	808.2	859.3	778.3	769.5
32.5°	462.7	473.9	521.3	465.2	452.7
35°	237.0	245.7	276.9	237.0	223.2
37.5°	111.0	116.0	128.5	111.0	103.5
40°	54.9	61.1	68.6	57.4	52.4
42.5°	23.7	31.2	39.9	29.9	21.2
45°	6.2	12.5	22.4	12.5	6.2
47.5°	3.7	5.0	12.5	5.0	3.7
50°	3.7	3.7	6.2	3.7	3.7
52.5°	3.7	3.7	3.7	3.7	3.7
55°	3.7	3.7	3.7	3.7	3.7
57.5°	3.7	3.7	3.7	3.7	3.7
60°	2.5	3.7	2.5	3.7	2.5
62.5°	2.5	2.5	2.5	2.5	2.5
65°	2.5	2.5	2.5	2.5	2.5
67.5°	2.5	2.5	2.5	2.5	2.5
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)