

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: P1320305

Luminaire Tested: LDSQA3D17R509840DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320305
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: LDSQA3D17R509840DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

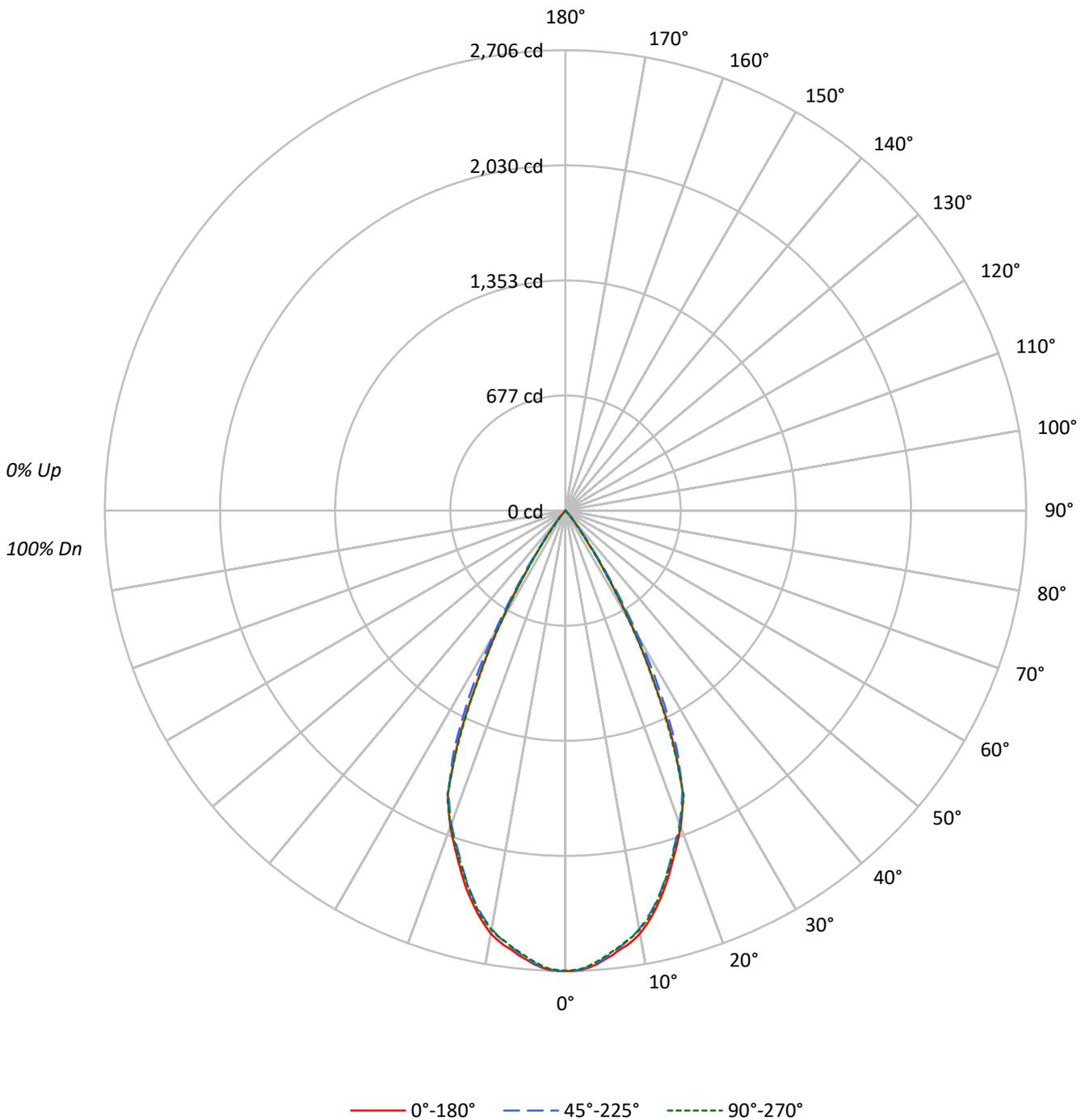
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1742.0 lumens
Efficiency: N/A
Efficacy: 85.4 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): 20.4
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	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°	465897	465897	465897
5°	457770	456474	455177
10°	441483	436691	437566
15°	406127	401010	402115
20°	362647	359220	361291
25°	282247	294085	279168
30°	152888	170726	150163
35°	48209	57376	47158
40°	10634	14838	10094
45°	292	4555	292
50°	0	670	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: 4555 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.8	14.2
10°-20°	629.7	36.1
20°-30°	663.2	38.1
30°-40°	189.4	10.9
40°-50°	11.7	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°	1540.8	88.4
0°-40°	1730.2	99.3
0°-60°	1742.0	100.0
0°-90°	1742.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1742.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2705	2705	2705	2705	2705	
5°	2648	2645	2640	2638	2633	249
15°	2278	2263	2249	2253	2255	634
25°	1485	1540	1548	1530	1469	650
35°	229	246	273	232	224	179
45°	1	6	19	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°	2705.2	2705.2	2705.2	2705.2	2705.2
1°	2706.4	2707.7	2705.2	2707.7	2701.4
2°	2702.7	2700.2	2697.7	2698.9	2695.2
3°	2689.0	2687.7	2682.7	2684.0	2679.0
4°	2671.5	2667.8	2664.1	2661.6	2656.6
5°	2647.9	2645.4	2640.4	2637.9	2632.9
6°	2627.9	2622.9	2614.2	2611.7	2606.7
7°	2601.8	2599.3	2588.0	2585.6	2583.1
8°	2581.8	2574.3	2560.6	2561.9	2555.6
9°	2555.6	2545.7	2532.0	2532.0	2533.2
10°	2524.5	2509.5	2497.1	2500.8	2502.1
11°	2483.4	2473.4	2454.7	2463.4	2463.4
12°	2438.5	2426.1	2412.4	2419.8	2424.8
13°	2386.2	2376.2	2363.8	2371.2	2368.7
14°	2335.1	2316.4	2307.7	2317.7	2313.9
15°	2277.8	2262.8	2249.1	2252.9	2255.3
17.5°	2124.5	2108.3	2098.3	2099.6	2110.8
20°	1978.7	1972.5	1960.0	1965.0	1971.3
22.5°	1806.8	1809.3	1794.3	1798.0	1813.0
25°	1485.3	1540.1	1547.6	1530.1	1469.1
27.5°	1100.3	1182.5	1207.4	1167.5	1092.8
30°	768.8	791.2	858.5	782.5	755.1
32.5°	451.1	484.7	520.8	468.5	449.8
35°	229.3	245.5	272.9	231.8	224.3
37.5°	105.9	113.4	124.6	105.9	99.7
40°	47.3	56.1	66.0	53.6	44.9
42.5°	15.0	26.2	34.9	23.7	13.7
45°	1.2	6.2	18.7	6.2	1.2
47.5°	0.0	1.2	7.5	1.2	0.0
50°	0.0	0.0	2.5	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)