

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: P1319428

Luminaire Tested: LDSQA3D17R509835DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319428
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: LDSQA3D17R509835DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

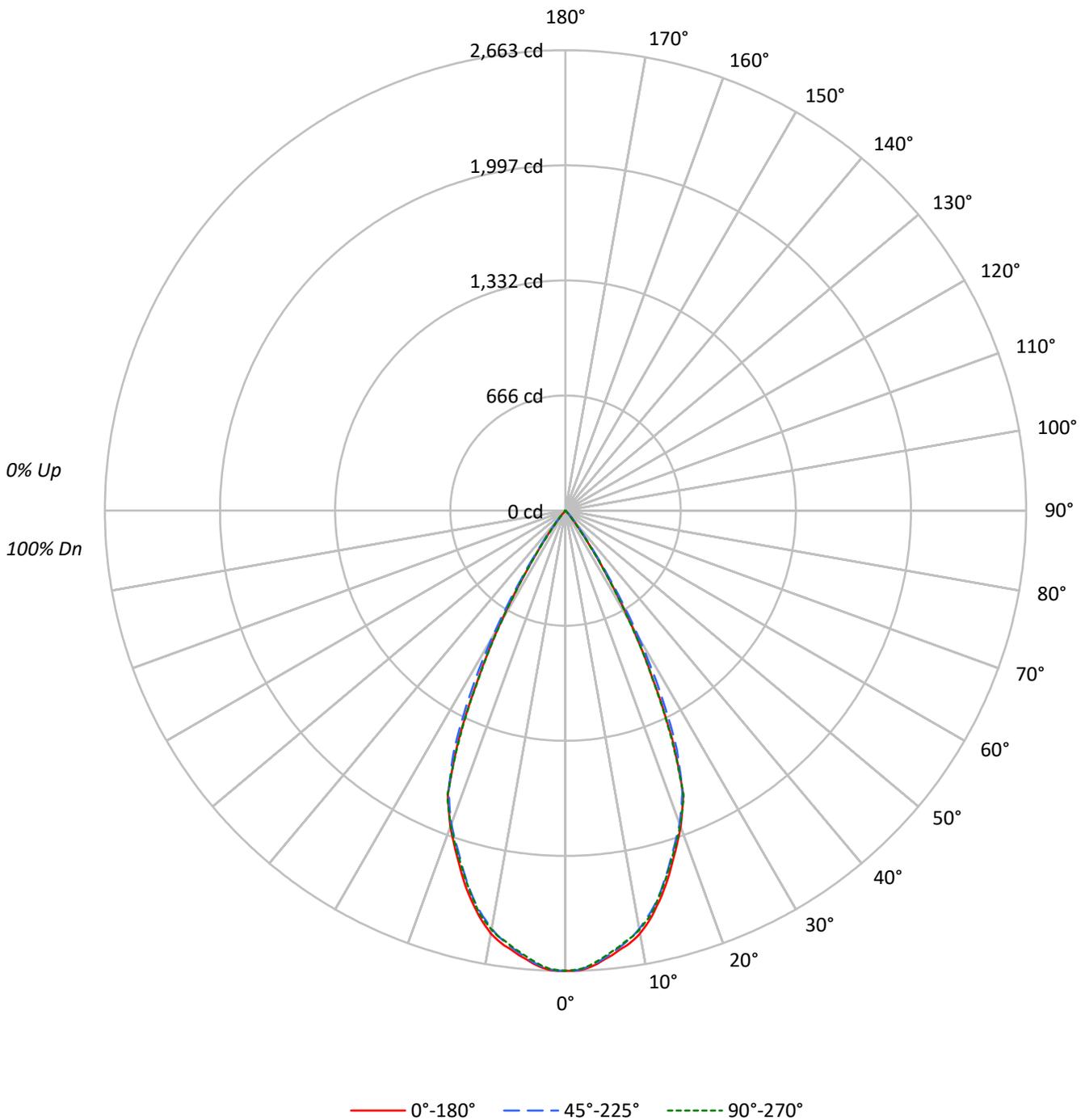
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1714.0 lumens
Efficiency: N/A
Efficacy: 84.0 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 (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: P1319428
CATALOG NUMBER: LDSQA3D17R509835DE010 3LSQCDR1MB

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°	458405	458405	458405
5°	450406	449126	447864
10°	434383	429661	430536
15°	399601	394573	395661
20°	356819	353447	355481
25°	277705	289354	274684
30°	150442	167982	147757
35°	47431	56451	46401
40°	10477	14613	9915
45°	292	4481	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: 4481 cd/sqm



TEST NUMBER: P1319428

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.9	14.2
10°-20°	619.6	36.1
20°-30°	652.6	38.1
30°-40°	186.4	10.9
40°-50°	11.5	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°	1516.0	88.4
0°-40°	1702.4	99.3
0°-60°	1714.0	100.0
0°-90°	1714.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1714.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2662	2662	2662	2662	2662	
5°	2605	2603	2598	2596	2591	245
15°	2241	2226	2213	2217	2219	624
25°	1461	1515	1523	1506	1446	639
35°	226	242	268	228	221	176
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°	2661.7	2661.7	2661.7	2661.7	2661.7
1°	2662.9	2664.1	2661.7	2664.1	2658.0
2°	2659.2	2656.8	2654.3	2655.6	2651.9
3°	2645.8	2644.5	2639.6	2640.8	2635.9
4°	2628.6	2624.9	2621.2	2618.8	2613.9
5°	2605.3	2602.8	2597.9	2595.5	2590.6
6°	2585.7	2580.8	2572.2	2569.7	2564.8
7°	2559.9	2557.5	2546.4	2544.0	2541.5
8°	2540.3	2533.0	2519.5	2520.7	2514.6
9°	2514.6	2504.8	2491.3	2491.3	2492.5
10°	2483.9	2469.2	2456.9	2460.6	2461.9
11°	2443.5	2433.7	2415.3	2423.8	2423.8
12°	2399.3	2387.1	2373.6	2380.9	2385.8
13°	2347.8	2338.0	2325.8	2333.1	2330.7
14°	2297.6	2279.2	2270.6	2280.4	2276.7
15°	2241.2	2226.5	2213.0	2216.6	2219.1
17.5°	2090.4	2074.4	2064.6	2065.8	2076.9
20°	1946.9	1940.8	1928.5	1933.4	1939.6
22.5°	1777.7	1780.2	1765.5	1769.1	1783.9
25°	1461.4	1515.4	1522.7	1505.6	1445.5
27.5°	1082.6	1163.5	1188.0	1148.8	1075.2
30°	756.5	778.5	844.7	769.9	743.0
32.5°	443.8	476.9	512.5	461.0	442.6
35°	225.6	241.5	268.5	228.0	220.7
37.5°	104.2	111.6	122.6	104.2	98.1
40°	46.6	55.2	65.0	52.7	44.1
42.5°	14.7	25.7	34.3	23.3	13.5
45°	1.2	6.1	18.4	6.1	1.2
47.5°	0.0	1.2	7.4	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



TEST NUMBER: P1319428
CATALOG NUMBER: LDSQA3D17R509835DE010 3LSQCDR1MB

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)