

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: P1319430

Luminaire Tested: LDSQA3D17R509835DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319430
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: LDSQA3D17R509835DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

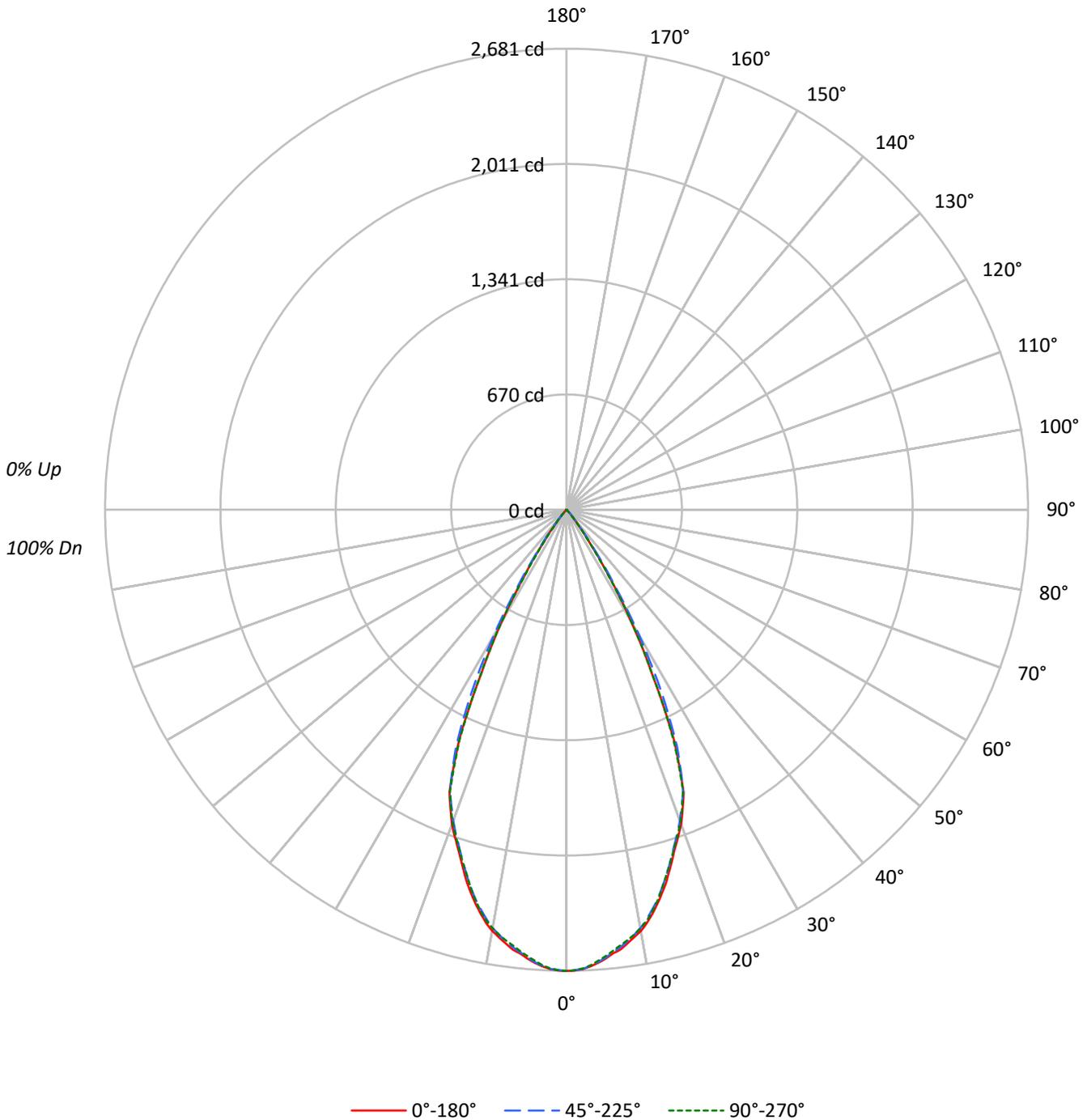
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1728.0 lumens
Efficiency: N/A
Efficacy: 84.7 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): 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	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°	461798	461798	461798
5°	452739	451892	450630
10°	435030	432022	432232
15°	399352	395625	395198
20°	356764	352952	354748
25°	280403	288574	278085
30°	150024	168061	150501
35°	49008	57250	46170
40°	12140	15175	11578
45°	1486	5383	1486
50°	991	1634	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: 5383 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	245.2	14.2
10°-20°	620.1	35.9
20°-30°	652.2	37.7
30°-40°	188.0	10.9
40°-50°	15.3	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°	1517.5	87.8
0°-40°	1705.5	98.7
0°-60°	1724.0	99.8
0°-90°	1728.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1728.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2681	2681	2681	2681	2681	
5°	2619	2618	2614	2616	2607	246
15°	2240	2225	2219	2219	2216	624
25°	1476	1512	1519	1501	1463	639
35°	233	242	272	233	220	180
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°	2681.4	2681.4	2681.4	2681.4	2681.4
1°	2680.2	2682.6	2677.7	2686.3	2678.9
2°	2674.0	2675.2	2672.8	2678.9	2669.1
3°	2659.3	2661.8	2656.8	2661.8	2653.2
4°	2642.1	2642.1	2637.2	2640.9	2629.9
5°	2618.8	2617.6	2613.9	2616.4	2606.6
6°	2594.3	2593.1	2586.9	2586.9	2579.6
7°	2575.9	2567.3	2562.4	2561.2	2553.8
8°	2546.5	2544.0	2534.2	2534.2	2529.3
9°	2517.0	2514.6	2503.5	2506.0	2502.3
10°	2487.6	2479.0	2470.4	2471.6	2471.6
11°	2448.3	2441.0	2428.7	2433.6	2436.1
12°	2401.7	2393.1	2382.1	2391.9	2390.7
13°	2350.2	2342.8	2334.2	2341.6	2339.2
14°	2296.2	2285.2	2277.8	2282.7	2280.3
15°	2239.8	2225.1	2218.9	2218.9	2216.5
17.5°	2081.6	2073.0	2066.8	2063.2	2071.8
20°	1946.6	1939.3	1925.8	1929.5	1935.6
22.5°	1777.4	1776.1	1768.8	1762.6	1770.0
25°	1475.6	1512.4	1518.6	1501.4	1463.4
27.5°	1072.1	1157.9	1188.6	1148.1	1078.2
30°	754.4	794.8	845.1	765.4	756.8
32.5°	455.1	466.1	512.7	457.5	445.3
35°	233.1	241.6	272.3	233.1	219.6
37.5°	109.2	114.1	126.3	109.2	101.8
40°	54.0	60.1	67.5	56.4	51.5
42.5°	23.3	30.7	39.3	29.4	20.9
45°	6.1	12.3	22.1	12.3	6.1
47.5°	3.7	4.9	12.3	4.9	3.7
50°	3.7	3.7	6.1	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)