

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: P1311855

Luminaire Tested: LDSQA3D20R609040D010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311855
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-41)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R609040D010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

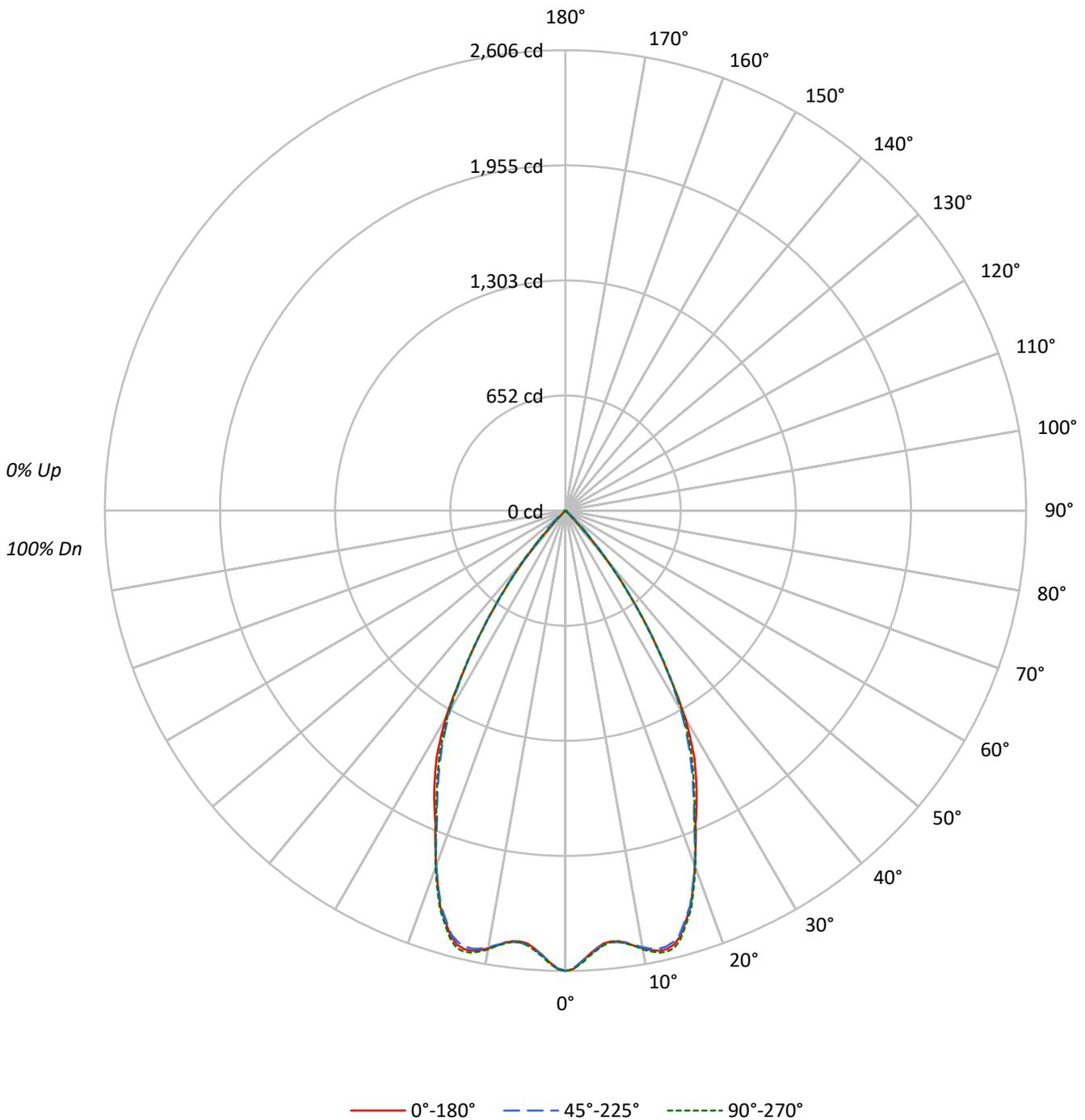
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2324.0 lumens
Efficiency: N/A
Efficacy: 80.7 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.92 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	111	108	106	111	109	107	105	105	103	101	101	100	98	98	96	95	95	96	95	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	93	91	89	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	88	85	83	82
4	98	90	85	81	96	89	84	80	87	83	79	85	81	79	83	80	78	83	80	78	76
5	93	85	79	75	91	84	79	75	82	77	74	80	76	73	79	75	73	79	75	73	71
6	88	80	74	70	87	79	73	69	77	73	69	76	72	68	75	71	68	75	71	68	67
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	71	67	64	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	67	63	60	59
9	76	67	61	57	75	66	61	57	65	60	57	65	60	57	64	60	56	64	60	56	55
10	73	63	58	54	72	63	57	54	62	57	54	61	57	53	61	56	53	61	56	53	52

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	448726	448726	448726
5°	425303	426565	427188
10°	440067	438808	441028
15°	445442	443498	448027
20°	392228	391880	393896
25°	333763	324090	326865
30°	269383	259977	264312
35°	170488	172022	170109
40°	79721	82981	80935
45°	4871	29227	5748
50°	2438	6832	2438
55°	2732	2732	2732
60°	2514	2514	2514
65°	2241	2975	2241
70°	2769	2769	2769
75°	2396	2396	2396
80°	1785	1785	1785
85°	3557	3557	3557

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 29227 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.4	10.2
10°-20°	684.0	29.4
20°-30°	788.4	33.9
30°-40°	506.3	21.8
40°-50°	88.1	3.8
50°-60°	8.4	0.4
60°-70°	6.4	0.3
70°-80°	3.8	0.2
80°-90°	1.2	0.1
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°	1709.8	73.6
0°-40°	2216.1	95.4
0°-60°	2312.5	99.5
0°-90°	2324.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2324.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2606	2606	2606	2606	2606	
5°	2460	2466	2467	2473	2471	237
15°	2498	2489	2487	2504	2513	685
25°	1756	1736	1706	1707	1720	801
35°	811	806	818	802	809	506
45°	20	60	120	71	24	66
55°	9	9	9	9	9	8
65°	6	7	7	7	6	6
75°	4	4	4	4	4	4
85°	2	2	2	2	2	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2605.5	2605.5	2605.5	2605.5	2605.5
1°	2594.6	2592.8	2591.0	2592.8	2594.6
2°	2558.3	2556.4	2554.6	2561.9	2565.5
3°	2518.3	2520.1	2521.9	2525.5	2527.4
4°	2485.5	2489.2	2491.0	2494.6	2496.4
5°	2460.1	2465.5	2467.4	2472.8	2471.0
6°	2452.8	2456.4	2458.3	2460.1	2456.4
7°	2456.4	2458.3	2460.1	2463.7	2460.1
8°	2469.2	2471.0	2472.8	2474.6	2474.6
9°	2494.6	2491.0	2489.2	2496.4	2494.6
10°	2516.4	2511.0	2509.2	2520.1	2521.9
11°	2534.6	2527.4	2525.5	2538.3	2541.9
12°	2547.4	2536.4	2534.6	2551.0	2558.3
13°	2547.4	2532.8	2532.8	2551.0	2561.9
14°	2532.8	2516.4	2516.4	2536.4	2549.2
15°	2498.3	2489.2	2487.4	2503.7	2512.8
17.5°	2352.8	2341.9	2343.7	2361.9	2363.7
20°	2140.1	2134.6	2138.2	2141.9	2149.2
22.5°	1923.7	1920.1	1900.1	1905.5	1909.2
25°	1756.4	1736.4	1705.5	1707.3	1720.1
27.5°	1580.0	1560.0	1516.4	1525.5	1538.2
30°	1354.6	1338.2	1307.3	1312.8	1329.1
32.5°	1063.7	1096.4	1067.3	1076.4	1070.9
35°	810.9	805.5	818.2	801.8	809.1
37.5°	570.9	572.7	578.2	563.7	563.7
40°	354.6	363.6	369.1	361.8	360.0
42.5°	149.1	203.6	214.6	203.6	150.9
45°	20.0	60.0	120.0	70.9	23.6
47.5°	9.1	12.7	63.6	12.7	9.1
50°	9.1	9.1	25.5	9.1	9.1
52.5°	9.1	9.1	9.1	9.1	9.1
55°	9.1	9.1	9.1	9.1	9.1
57.5°	9.1	9.1	9.1	9.1	9.1
60°	7.3	7.3	7.3	7.3	7.3
62.5°	7.3	7.3	7.3	7.3	7.3
65°	5.5	7.3	7.3	7.3	5.5
67.5°	5.5	5.5	5.5	5.5	5.5
70°	5.5	5.5	5.5	5.5	5.5
72.5°	3.6	3.6	3.6	3.6	3.6
75°	3.6	3.6	3.6	3.6	3.6
77.5°	3.6	3.6	3.6	3.6	3.6
80°	1.8	1.8	1.8	1.8	1.8
82.5°	1.8	1.8	1.8	1.8	1.8
85°	1.8	1.8	1.8	1.8	1.8
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)