

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: P1319583

Luminaire Tested: LDSQA3D20R559835D010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319583
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R559835D010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

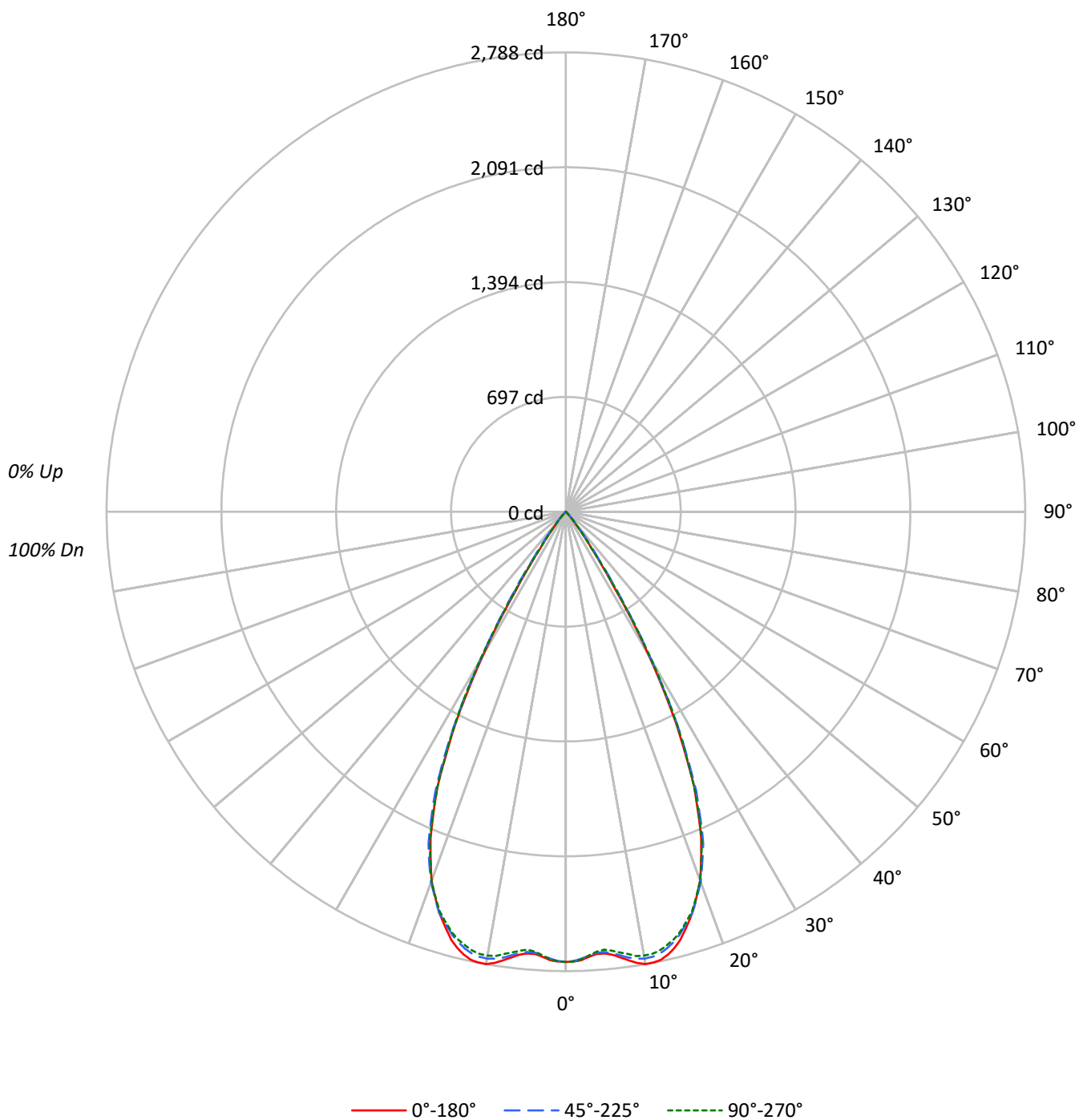
Lumens per Lamp: N/A
Luminaire Lumens: 2077.0 lumens
Efficiency: N/A
Efficacy: 75.8 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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

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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	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	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	89
3	104	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	80
5	96	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	77	77	77	75
6	91	83	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	73	73	71
7	87	79	74	70	86	79	73	70	77	73	69	76	72	69	75	72	69	69	69	67
8	84	75	70	66	83	75	70	66	74	69	66	73	69	65	72	68	65	65	65	64
9	80	72	66	63	79	71	66	63	70	66	62	69	65	62	69	65	62	62	62	61
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	66	62	59	59	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	470512	470512	470512
5°	465135	463752	461280
10°	487529	481670	478330
15°	479425	474308	472597
20°	436691	438450	436984
25°	350333	355787	350333
30°	201073	206164	207735
35°	57334	69065	59016
40°	14703	21156	15063
45°	1559	7380	1169
50°	0	1286	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: 7380 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.4	12.5
10°-20°	740.2	35.6
20°-30°	815.3	39.3
30°-40°	243.4	11.7
40°-50°	18.7	0.9
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°	1814.8	87.4
0°-40°	2058.2	99.1
0°-60°	2077.0	100.0
0°-90°	2077.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2077.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2732	2732	2732	2732	2732	
5°	2690	2686	2682	2671	2668	261
15°	2689	2670	2660	2649	2651	745
25°	1844	1844	1872	1869	1844	807
35°	273	290	328	300	281	225
45°	6	16	30	16	5	12
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2732.0	2732.0	2732.0	2732.0	2732.0
1°	2730.4	2730.4	2727.2	2725.6	2730.4
2°	2722.4	2722.4	2714.4	2712.8	2717.6
3°	2704.9	2703.3	2696.9	2692.1	2695.3
4°	2690.5	2687.3	2682.5	2674.6	2676.2
5°	2690.5	2685.7	2682.5	2671.4	2668.2
6°	2703.3	2700.1	2693.7	2682.5	2679.3
7°	2725.6	2719.2	2712.8	2698.5	2695.3
8°	2749.5	2744.7	2732.0	2717.6	2711.2
9°	2773.4	2762.3	2746.3	2732.0	2730.4
10°	2787.8	2771.8	2754.3	2736.8	2735.2
11°	2786.2	2771.8	2751.1	2735.2	2733.6
12°	2779.8	2759.1	2741.5	2722.4	2724.0
13°	2757.5	2738.4	2720.8	2706.5	2703.3
14°	2727.2	2709.6	2693.7	2679.3	2680.9
15°	2688.9	2669.8	2660.2	2649.0	2650.6
17.5°	2553.3	2548.6	2553.3	2540.6	2545.4
20°	2382.7	2377.9	2392.3	2385.9	2384.3
22.5°	2145.1	2151.4	2178.6	2170.6	2156.2
25°	1843.6	1843.6	1872.3	1869.2	1843.6
27.5°	1451.3	1462.5	1480.0	1488.0	1468.9
30°	1011.1	1036.7	1036.7	1052.6	1044.6
32.5°	564.6	618.8	631.6	639.5	607.6
35°	272.7	290.3	328.5	299.8	280.7
37.5°	130.8	138.8	177.0	143.5	134.0
40°	65.4	75.0	94.1	78.1	67.0
42.5°	27.1	39.9	49.4	39.9	27.1
45°	6.4	15.9	30.3	15.9	4.8
47.5°	0.0	1.6	14.4	3.2	0.0
50°	0.0	0.0	4.8	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)