

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: P1307511

Luminaire Tested: LDSQA3D20R509024D010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307511
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: LDSQA3D20R509024D010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

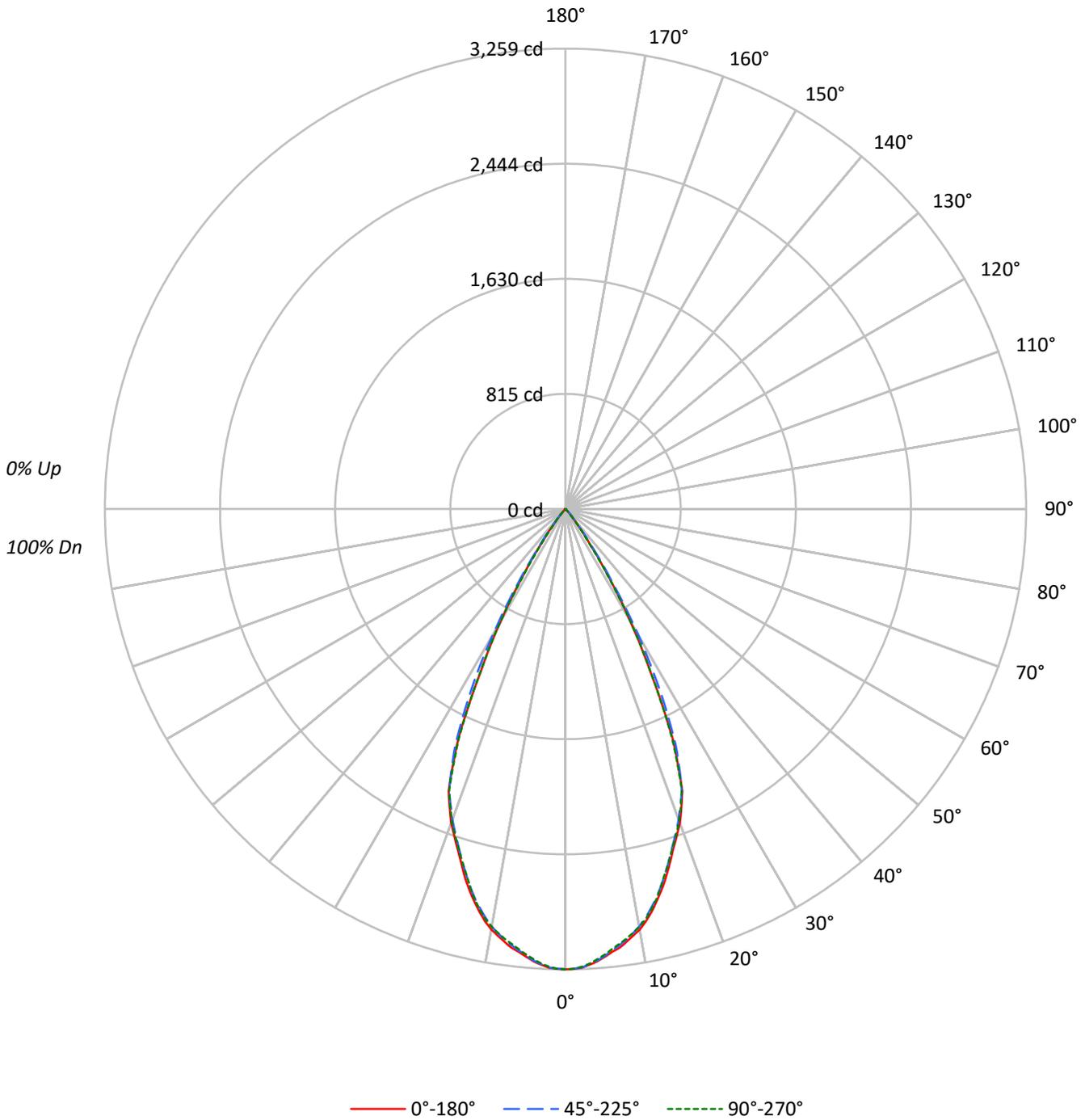
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2100.1 lumens
Efficiency: N/A
Efficacy: 72.9 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): 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	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°	561205	561205	561205
5°	550209	549172	547634
10°	528678	525023	525285
15°	485327	480798	480281
20°	433575	428938	431119
25°	340775	350694	337943
30°	182320	204255	182897
35°	59541	69570	56093
40°	14748	18435	14074
45°	1827	6527	1827
50°	1206	2009	1206
55°	1351	1351	1351
60°	1033	1033	1033
65°	1223	1223	1223
70°	755	755	755
75°	998	998	998
80°	1488	1488	1488
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 6527 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	298.0	14.2
10°-20°	753.6	35.9
20°-30°	792.6	37.7
30°-40°	228.4	10.9
40°-50°	18.6	0.9
50°-60°	4.0	0.2
60°-70°	2.9	0.1
70°-80°	1.6	0.1
80°-90°	0.4	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°	1844.2	87.8
0°-40°	2072.6	98.7
0°-60°	2095.2	99.8
0°-90°	2100.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2100.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3259	3259	3259	3259	3259	
5°	3183	3181	3177	3180	3168	299
15°	2722	2704	2697	2697	2694	758
25°	1793	1838	1846	1825	1778	777
35°	283	294	331	283	267	219
45°	8	15	27	15	8	14
55°	4	4	4	4	4	4
65°	3	3	3	3	3	3
75°	2	2	2	2	2	2
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°	3258.6	3258.6	3258.6	3258.6	3258.6
1°	3257.1	3260.1	3254.2	3264.6	3255.6
2°	3249.7	3251.2	3248.2	3255.6	3243.7
3°	3231.8	3234.8	3228.8	3234.8	3224.3
4°	3210.9	3210.9	3205.0	3209.4	3196.0
5°	3182.6	3181.1	3176.6	3179.6	3167.7
6°	3152.8	3151.3	3143.8	3143.8	3134.9
7°	3130.4	3120.0	3114.0	3112.5	3103.6
8°	3094.6	3091.7	3079.7	3079.7	3073.8
9°	3058.9	3055.9	3042.5	3045.5	3041.0
10°	3023.1	3012.7	3002.2	3003.7	3003.7
11°	2975.4	2966.5	2951.5	2957.5	2960.5
12°	2918.7	2908.3	2894.9	2906.8	2905.3
13°	2856.1	2847.2	2836.8	2845.7	2842.7
14°	2790.6	2777.1	2768.2	2774.2	2771.2
15°	2722.0	2704.1	2696.6	2696.6	2693.7
17.5°	2529.7	2519.2	2511.8	2507.3	2517.8
20°	2365.7	2356.8	2340.4	2344.8	2352.3
22.5°	2160.0	2158.5	2149.6	2142.1	2151.0
25°	1793.3	1838.0	1845.5	1824.6	1778.4
27.5°	1302.9	1407.2	1444.5	1395.3	1310.3
30°	916.8	966.0	1027.1	930.2	919.7
32.5°	553.0	566.5	623.1	556.0	541.1
35°	283.2	293.7	330.9	283.2	266.8
37.5°	132.7	138.6	153.5	132.7	123.7
40°	65.6	73.0	82.0	68.6	62.6
42.5°	28.3	37.3	47.7	35.8	25.3
45°	7.5	14.9	26.8	14.9	7.5
47.5°	4.5	6.0	14.9	6.0	4.5
50°	4.5	4.5	7.5	4.5	4.5
52.5°	4.5	4.5	4.5	4.5	4.5
55°	4.5	4.5	4.5	4.5	4.5
57.5°	4.5	4.5	4.5	4.5	4.5
60°	3.0	4.5	3.0	4.5	3.0
62.5°	3.0	3.0	3.0	3.0	3.0
65°	3.0	3.0	3.0	3.0	3.0
67.5°	3.0	3.0	3.0	3.0	3.0
70°	1.5	1.5	1.5	1.5	1.5
72.5°	1.5	1.5	1.5	1.5	1.5
75°	1.5	1.5	1.5	1.5	1.5
77.5°	1.5	1.5	1.5	1.5	1.5
80°	1.5	1.5	1.5	1.5	1.5
82.5°	0.0	1.5	0.0	1.5	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)