

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: P1311330

Luminaire Tested: LDSQA3D09R359040DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311330
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R359040DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

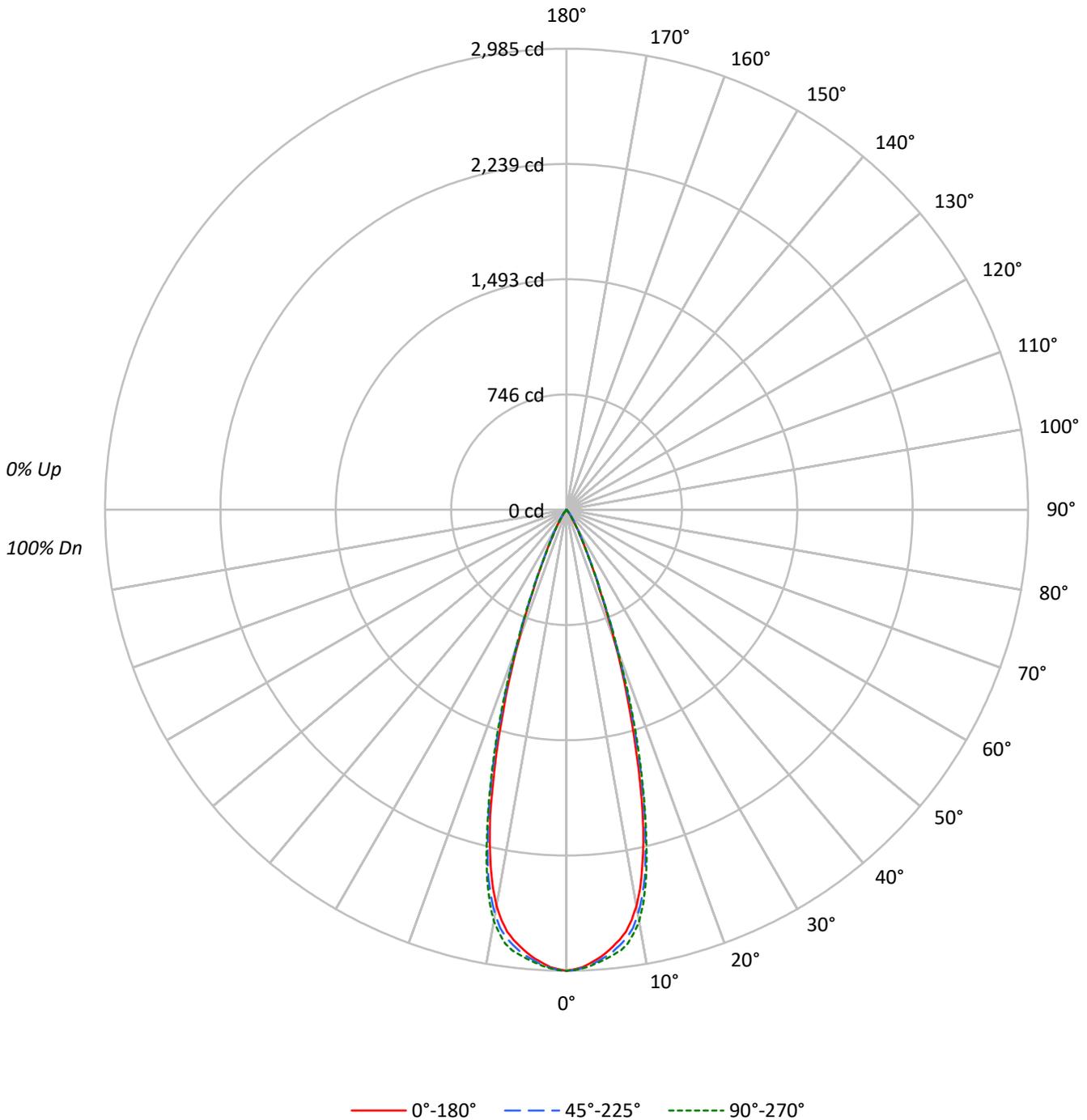
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 994.0 lumens
Efficiency: N/A
Efficacy: 89.5 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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	0
RW	70	50	30	10	70	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	100
1	115	113	111	109	113	111	109	107	107	105	104	103	102	101	100	99	98	96
2	111	107	104	102	109	106	103	100	102	100	98	100	98	96	97	96	94	93
3	107	102	99	96	105	101	98	95	99	96	94	96	94	92	94	92	91	89
4	104	98	94	91	102	97	93	90	95	92	89	93	91	88	92	89	87	86
5	100	94	90	87	99	93	90	87	92	88	86	90	87	85	89	86	84	83
6	97	91	86	83	96	90	86	83	89	85	83	88	84	82	86	84	82	80
7	94	88	83	80	93	87	83	80	86	82	80	85	82	79	84	81	79	78
8	91	85	80	77	91	84	80	77	83	80	77	82	79	77	81	79	76	75
9	89	82	78	75	88	81	77	75	81	77	74	80	77	74	79	76	74	73
10	86	79	75	72	85	79	75	72	78	75	72	78	74	72	77	74	72	71

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	514153	514153	514153
5°	498553	502097	504828
10°	455578	465232	473206
15°	327623	341940	344757
20°	166799	175175	175596
25°	63279	64628	62842
30°	24580	28497	23963
35°	8452	13245	7947
40°	2833	5126	2653
45°	195	1729	195
50°	0	214	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: 1729 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	270.2	27.2
10°-20°	503.5	50.7
20°-30°	181.0	18.2
30°-40°	35.3	3.6
40°-50°	3.9	0.4
50°-60°	0.0	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°	954.7	96.0
0°-40°	990.0	99.6
0°-60°	994.0	100.0
0°-90°	994.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	994.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2985	2985	2985	2985	2985	
5°	2884	2892	2904	2918	2920	267
15°	1838	1868	1918	1931	1934	488
25°	333	336	340	338	331	175
35°	40	46	63	46	38	30
45°	1	2	7	2	1	2
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°	2985.4	2985.4	2985.4	2985.4	2985.4
1°	2976.7	2980.7	2981.5	2987.0	2980.7
2°	2964.2	2966.5	2969.7	2974.4	2971.2
3°	2939.7	2944.5	2951.6	2957.9	2957.9
4°	2913.8	2920.1	2928.7	2939.7	2939.0
5°	2883.8	2891.7	2904.3	2917.7	2920.1
6°	2846.1	2855.5	2876.0	2894.9	2898.0
7°	2805.9	2820.1	2839.8	2867.3	2874.4
8°	2758.7	2769.7	2798.0	2830.3	2838.2
9°	2689.4	2705.9	2742.1	2772.1	2776.8
10°	2605.1	2617.0	2660.3	2691.8	2705.9
11°	2496.5	2513.8	2556.3	2588.6	2598.1
12°	2357.9	2383.1	2432.7	2456.3	2464.2
13°	2208.4	2229.6	2268.2	2297.3	2303.6
14°	2039.9	2060.3	2100.5	2124.1	2118.6
15°	1837.5	1868.2	1917.8	1931.2	1933.6
17.5°	1357.3	1377.0	1421.1	1442.3	1457.3
20°	910.1	929.0	955.8	969.9	958.1
22.5°	553.5	569.2	583.4	582.6	578.7
25°	333.0	336.2	340.1	337.7	330.7
27.5°	194.5	203.1	214.9	207.1	195.2
30°	123.6	130.7	143.3	129.9	120.5
32.5°	65.3	82.7	96.0	77.9	68.5
35°	40.2	45.7	63.0	46.5	37.8
37.5°	24.4	28.3	39.4	27.6	22.0
40°	12.6	18.1	22.8	16.5	11.8
42.5°	3.9	8.7	12.6	7.9	3.9
45°	0.8	2.4	7.1	2.4	0.8
47.5°	0.0	0.0	3.1	0.8	0.0
50°	0.0	0.0	0.8	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)