

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: P1312408

Luminaire Tested: LDSQA3D09R359050DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312408
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-37)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R359050DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

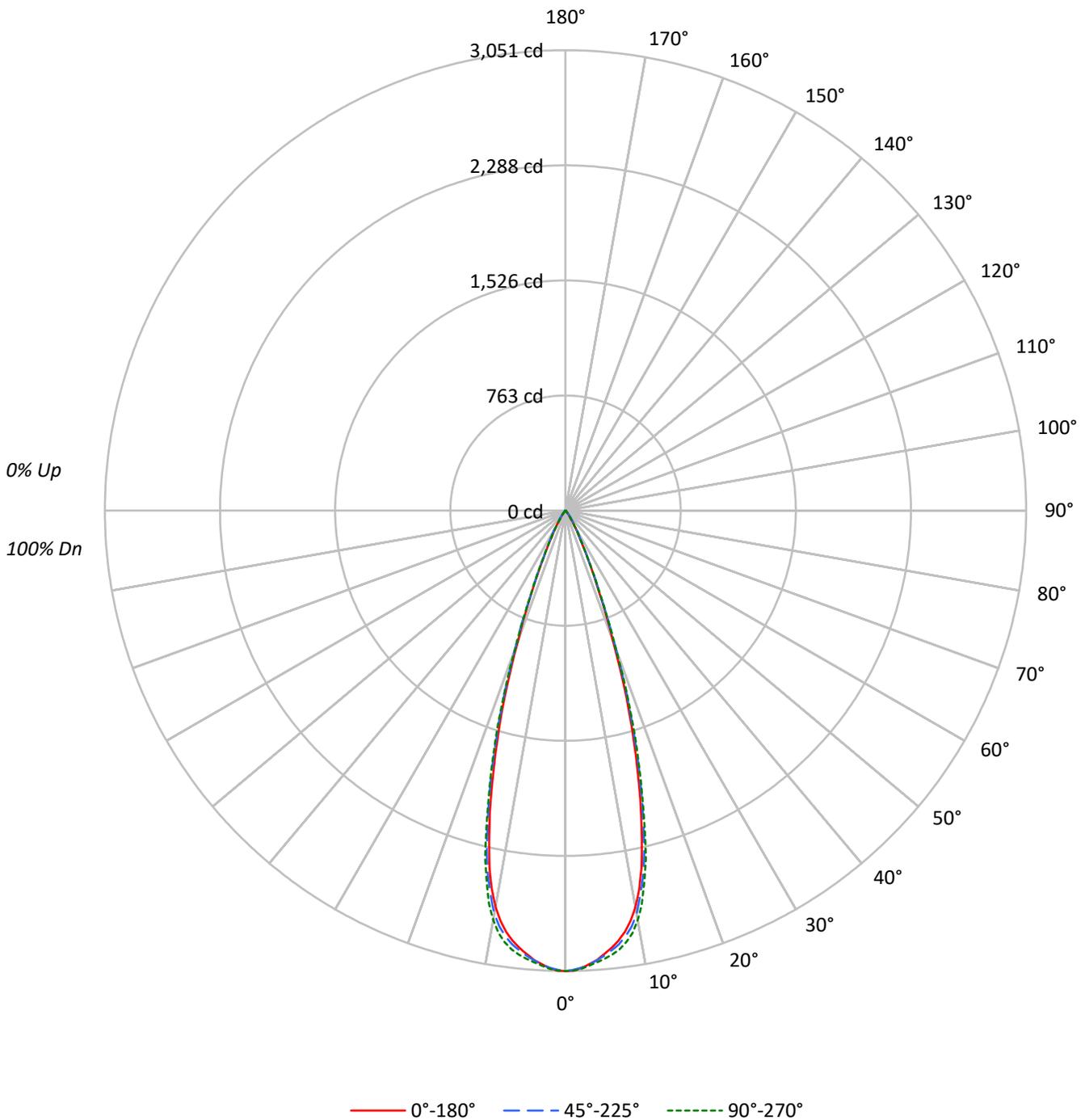
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1025.0 lumens
Efficiency: N/A
Efficacy: 92.3 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 (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				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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	98	96
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	94	94	94	93
3	107	102	98	95	105	101	97	95	98	96	93	96	94	92	94	92	90	94	92	90	89
4	103	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	91	89	87	86
5	100	94	90	86	99	93	89	86	91	88	85	90	87	85	89	86	84	89	86	84	83
6	97	90	86	83	96	90	86	83	88	85	82	87	84	82	86	83	81	86	83	81	80
7	94	87	83	80	93	87	82	79	85	82	79	84	81	79	83	81	78	83	81	78	77
8	91	84	80	77	90	84	79	77	83	79	76	82	78	76	81	78	76	81	78	76	75
9	88	81	77	74	88	81	77	74	80	76	74	79	76	74	79	76	73	79	76	73	72
10	86	79	75	72	85	78	74	72	78	74	71	77	74	71	76	73	71	76	73	71	70

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	525520	525520	525520
5°	509980	511778	515236
10°	466491	474605	481880
15°	334861	347111	350677
20°	168430	178254	178694
25°	63830	65806	66110
30°	25932	29750	25455
35°	9419	14297	9083
40°	3957	6115	3777
45°	974	2533	974
50°	643	1072	643
55°	721	721	721
60°	827	827	827
65°	652	652	652
70°	403	403	403
75°	532	532	532
80°	793	793	793
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2533 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	275.9	26.9
10°-20°	514.0	50.1
20°-30°	184.9	18.0
30°-40°	38.8	3.8
40°-50°	6.7	0.7
50°-60°	2.2	0.2
60°-70°	1.6	0.2
70°-80°	0.8	0.1
80°-90°	0.1	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°	974.7	95.1
0°-40°	1013.6	98.9
0°-60°	1022.4	99.7
0°-90°	1025.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1025.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3051	3051	3051	3051	3051	
5°	2950	2956	2960	2980	2980	273
15°	1878	1911	1947	1968	1967	500
25°	336	341	346	350	348	179
35°	45	53	68	52	43	34
45°	4	6	10	6	4	5
55°	2	2	2	2	2	2
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°	3051.4	3051.4	3051.4	3051.4	3051.4
1°	3049.8	3049.8	3043.4	3050.6	3048.2
2°	3033.0	3034.6	3030.6	3039.4	3038.6
3°	3009.8	3013.8	3010.6	3023.4	3019.4
4°	2985.1	2988.3	2986.7	3002.6	3001.0
5°	2949.9	2955.5	2960.3	2980.3	2980.3
6°	2913.9	2919.5	2929.9	2951.5	2958.7
7°	2872.3	2879.5	2896.3	2925.1	2929.9
8°	2819.5	2827.5	2850.7	2881.9	2888.3
9°	2753.9	2765.9	2792.3	2829.9	2833.9
10°	2667.5	2677.1	2713.9	2745.1	2755.5
11°	2555.5	2563.5	2596.3	2646.7	2653.1
12°	2419.6	2429.2	2471.5	2504.3	2510.7
13°	2247.6	2266.0	2317.2	2349.2	2366.8
14°	2070.8	2095.6	2132.4	2178.0	2166.8
15°	1878.1	1910.8	1946.8	1967.6	1966.8
17.5°	1405.3	1424.5	1456.5	1468.5	1484.5
20°	919.0	943.8	972.6	983.8	975.0
22.5°	570.3	576.7	585.5	590.3	588.7
25°	335.9	340.7	346.3	349.5	347.9
27.5°	202.4	213.6	221.6	212.0	206.4
30°	130.4	135.2	149.6	136.8	128.0
32.5°	77.6	88.8	100.8	85.6	74.4
35°	44.8	52.8	68.0	52.0	43.2
37.5°	28.8	32.8	44.0	32.0	28.0
40°	17.6	22.4	27.2	20.8	16.8
42.5°	8.8	13.6	16.0	12.0	8.8
45°	4.0	6.4	10.4	6.4	4.0
47.5°	2.4	3.2	6.4	3.2	2.4
50°	2.4	2.4	4.0	2.4	2.4
52.5°	2.4	2.4	2.4	2.4	2.4
55°	2.4	2.4	2.4	2.4	2.4
57.5°	2.4	2.4	2.4	2.4	2.4
60°	2.4	2.4	2.4	2.4	2.4
62.5°	1.6	1.6	1.6	1.6	1.6
65°	1.6	1.6	1.6	1.6	1.6
67.5°	1.6	1.6	1.6	1.6	1.6
70°	0.8	0.8	0.8	0.8	0.8
72.5°	0.8	0.8	0.8	0.8	0.8
75°	0.8	0.8	0.8	0.8	0.8
77.5°	0.8	0.8	0.8	0.8	0.8
80°	0.8	0.8	0.8	0.8	0.8
82.5°	0.8	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)