

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: P1312411

Luminaire Tested: LDSQA3D09R359050DE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312411
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R359050DE010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 5000K CCT AND, 90CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

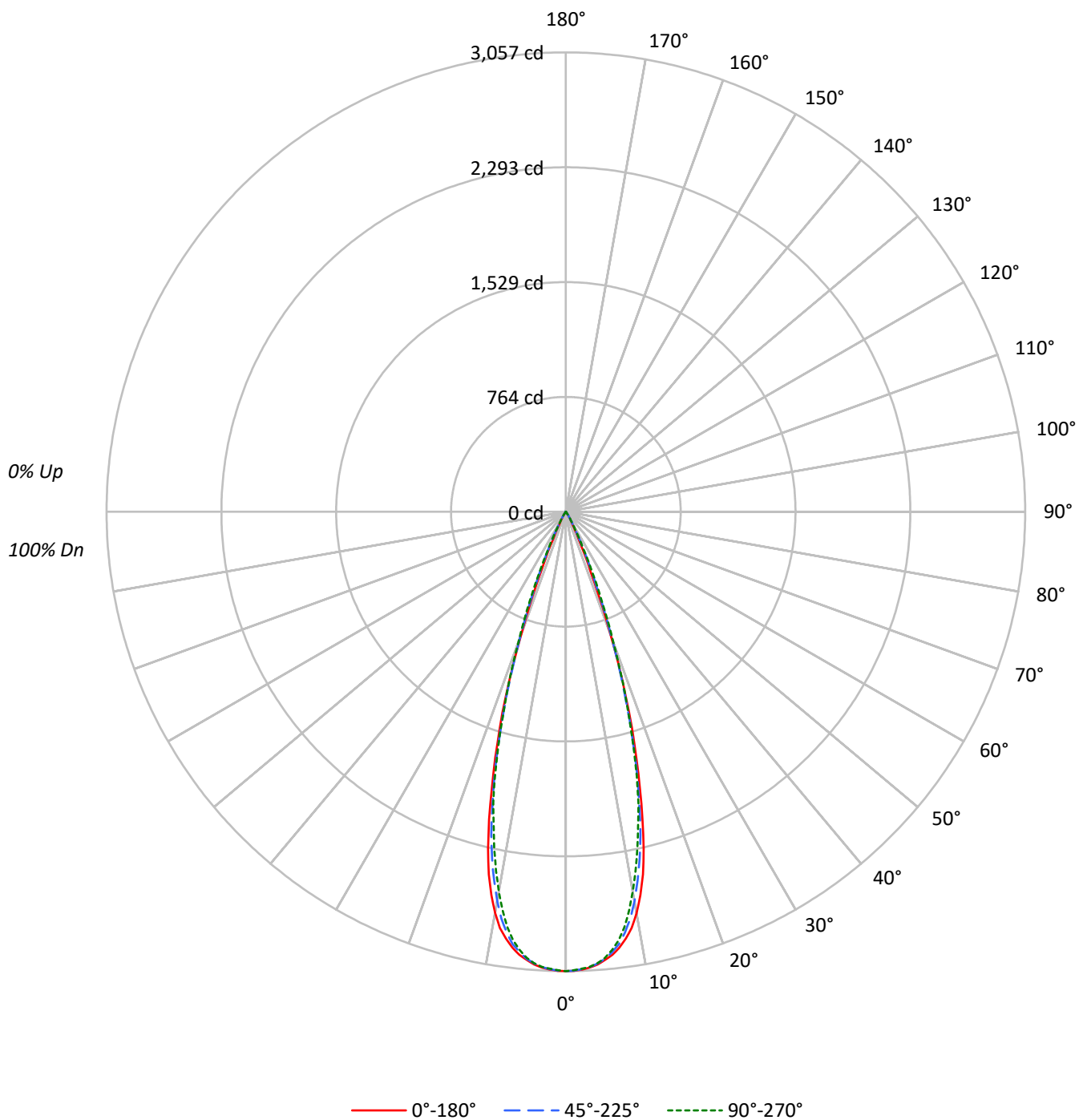
Lumens per Lamp: N/A
Luminaire Lumens: 928.0 lumens
Efficiency: N/A
Efficacy: 83.6 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	113	111	109	113	111	109	108	107	106	104		103	102	101		100
2	111	108	105	102	109	106	103	101	103	101	99		100	98	97		97
3	108	103	100	97	106	102	99	96	99	97	94		97	95	93		95
4	104	99	95	92	103	98	94	92	96	93	91		94	92	90		93
5	101	95	91	88	100	95	91	88	93	90	87		92	89	87		90
6	98	92	88	85	97	91	88	85	90	87	84		89	86	84		88
7	96	89	85	82	94	89	85	82	87	84	81		86	83	81		85
8	93	86	82	79	92	86	82	79	85	81	79		84	81	79		83
9	90	84	80	77	89	83	79	77	82	79	76		82	79	76		81
10	88	81	77	75	87	81	77	74	80	77	74		80	76	74		79

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	526554	526554	526554
5°	517518	516411	515305
10°	474291	460038	448846
15°	339622	328799	324805
20°	157489	162914	168613
25°	37359	53169	55450
30°	10977	12548	14139
35°	2523	4037	3700
40°	540	1079	719
45°	195	195	195
50°	214	0	214
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: 0°

Vertical Angle: 52.5°

Luminance: 226 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	274.5	29.6
10°-20°	490.7	52.9
20°-30°	147.6	15.9
30°-40°	14.1	1.5
40°-50°	1.0	0.1
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°	912.9	98.4
0°-40°	927.0	99.9
0°-60°	928.0	100.0
0°-90°	928.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	928.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3057	3057	3057	3057	3057	
5°	2994	2993	2987	2983	2981	278
15°	1905	1890	1844	1836	1822	503
25°	197	217	280	292	292	127
35°	12	16	19	21	18	11
45°	1	1	1	1	1	1
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°	3057.4	3057.4	3057.4	3057.4	3057.4
1°	3055.8	3055.8	3054.2	3054.2	3051.0
2°	3048.6	3049.4	3046.2	3045.4	3043.1
3°	3037.5	3035.1	3035.1	3033.5	3031.9
4°	3019.9	3015.1	3013.5	3014.3	3011.1
5°	2993.5	2992.7	2987.1	2983.1	2980.7
6°	2964.7	2959.1	2947.1	2936.7	2934.3
7°	2921.6	2909.6	2899.2	2877.6	2874.4
8°	2868.8	2849.6	2827.2	2796.9	2795.3
9°	2804.1	2772.9	2741.7	2700.9	2686.5
10°	2712.1	2683.4	2630.6	2594.6	2566.6
11°	2597.8	2561.9	2500.3	2457.1	2434.0
12°	2468.3	2434.8	2362.8	2323.7	2290.9
13°	2302.1	2274.1	2207.0	2163.8	2138.2
14°	2109.4	2088.7	2024.7	2005.5	1996.7
15°	1904.8	1890.4	1844.1	1836.1	1821.7
17.5°	1402.0	1378.0	1351.7	1356.5	1361.3
20°	859.3	892.9	888.9	906.4	920.0
22.5°	428.4	471.6	522.0	552.3	567.5
25°	196.6	216.6	279.8	291.8	291.8
27.5°	99.1	103.9	131.9	134.3	140.7
30°	55.2	59.2	63.1	70.3	71.1
32.5°	28.0	32.8	34.4	38.4	36.8
35°	12.0	16.0	19.2	20.8	17.6
37.5°	5.6	7.2	10.4	9.6	7.2
40°	2.4	3.2	4.8	4.0	3.2
42.5°	1.6	1.6	2.4	1.6	1.6
45°	0.8	0.8	0.8	0.8	0.8
47.5°	0.8	0.8	0.0	0.8	0.8
50°	0.8	0.0	0.0	0.0	0.8
52.5°	0.8	0.0	0.0	0.0	0.8
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)