

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: P1319072

Luminaire Tested: LDSQA3D09R259835DE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319072
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R259835DE010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 98CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

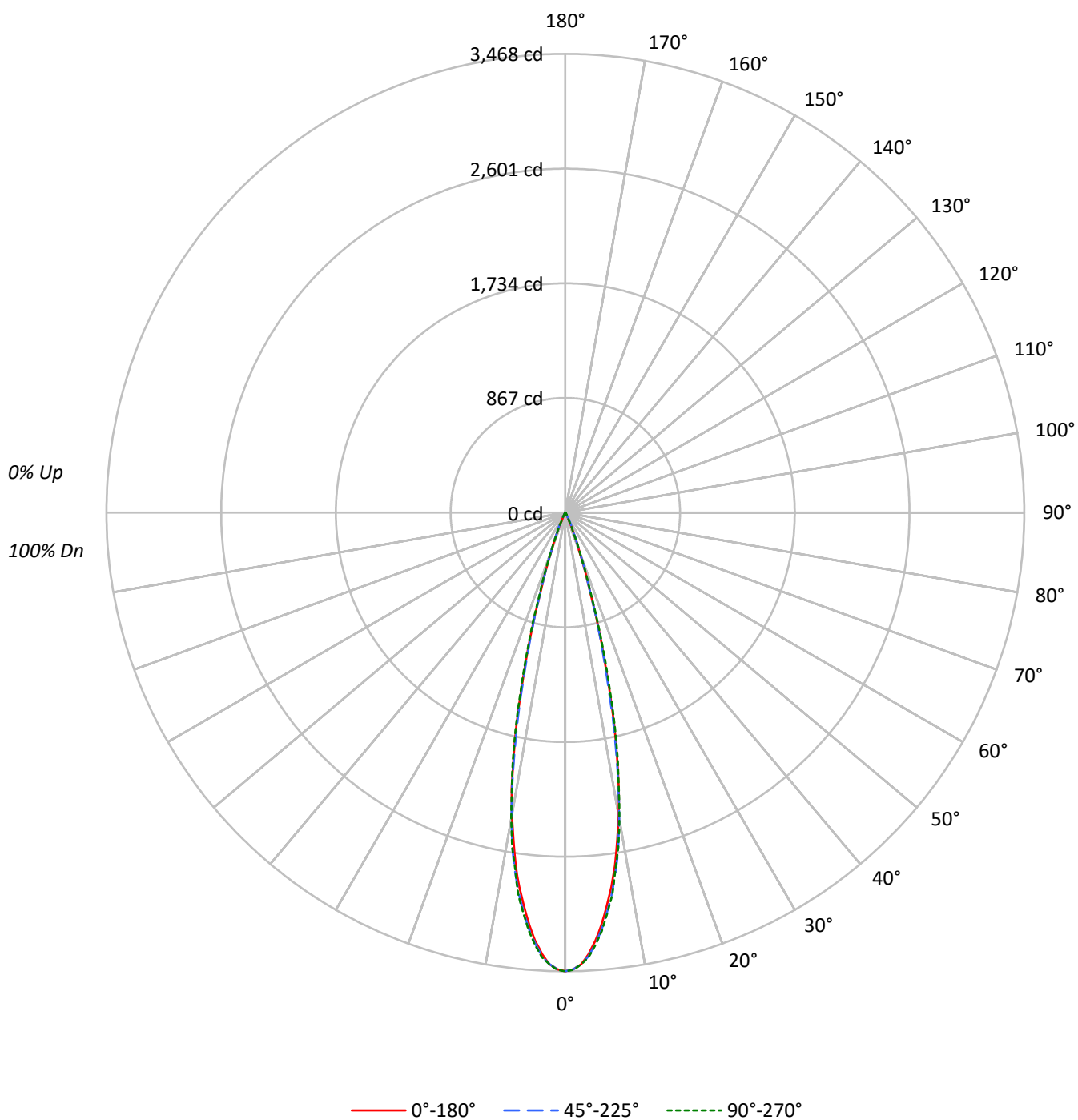
Lumens per Lamp: N/A
Luminaire Lumens: 640.0 lumens
Efficiency: N/A
Efficacy: 58.2 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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	100	100	100
1	115	113	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97	97	97
2	112	109	106	104	110	107	105	103	104	102	101	101	100	98	99	97	96	95	95	95
3	109	105	102	99	107	104	101	98	101	99	97	99	97	95	97	95	94	93	93	93
4	106	101	98	95	105	100	97	95	99	96	94	97	94	93	95	93	92	91	91	91
5	104	98	95	92	102	98	94	92	96	93	91	95	92	90	93	91	89	88	88	88
6	101	96	92	89	100	95	92	89	94	91	89	93	90	88	91	89	87	86	86	86
7	99	93	89	87	98	93	89	87	92	89	86	91	88	86	90	87	86	85	85	85
8	97	91	87	85	96	90	87	85	90	86	84	89	86	84	88	85	84	83	83	83
9	95	89	85	83	94	88	85	83	88	85	82	87	84	82	86	84	82	81	81	81
10	93	87	83	81	92	86	83	81	86	83	81	85	82	80	85	82	80	80	80	80

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	597251	597251	597251
5°	541220	546147	548809
10°	406857	409760	411649
15°	201459	195450	208484
20°	56889	57842	58465
25°	9862	18661	11706
30°	3858	3977	4077
35°	1198	1325	1325
40°	382	517	382
45°	268	146	268
50°	161	0	161
55°	180	0	180
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: 45°

Luminance: 268 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	275.5	43.0
10°-20°	310.7	48.5
20°-30°	48.2	7.5
30°-40°	4.9	0.8
40°-50°	0.7	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°	634.3	99.1
0°-40°	639.2	99.9
0°-60°	640.0	100.0
0°-90°	640.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	640.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3468	3468	3468	3468	3468	
5°	3131	3136	3159	3172	3174	273
15°	1130	1122	1096	1145	1169	309
25°	52	77	98	75	62	44
35°	6	6	6	7	6	5
45°	1	1	1	1	1	1
55°	1	0	0	0	1	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°	3467.9	3467.9	3467.9	3467.9	3467.9
1°	3453.6	3458.2	3453.0	3458.7	3458.2
2°	3417.6	3422.2	3415.9	3419.3	3419.3
3°	3344.0	3353.7	3359.4	3363.4	3366.8
4°	3247.0	3257.9	3266.4	3276.7	3276.7
5°	3130.6	3136.3	3159.1	3171.7	3174.5
6°	2991.9	3014.8	3031.9	3057.0	3041.6
7°	2853.3	2872.1	2896.1	2900.1	2910.9
8°	2695.8	2715.7	2738.0	2734.0	2724.9
9°	2504.0	2533.1	2559.4	2550.8	2562.2
10°	2326.5	2344.2	2343.1	2334.5	2353.9
11°	2120.5	2124.5	2102.3	2137.1	2116.0
12°	1876.3	1879.7	1851.2	1885.4	1907.1
13°	1642.3	1634.3	1595.0	1640.1	1667.4
14°	1373.0	1375.8	1325.6	1412.9	1406.1
15°	1129.9	1121.9	1096.2	1145.3	1169.3
17.5°	602.0	607.2	600.9	625.4	640.8
20°	310.4	319.0	315.6	325.8	319.0
22.5°	160.9	172.9	176.3	168.3	146.7
25°	51.9	77.0	98.2	74.8	61.6
27.5°	31.4	30.8	47.9	33.1	33.7
30°	19.4	18.8	20.0	20.0	20.5
32.5°	10.8	11.4	10.8	12.0	11.4
35°	5.7	6.3	6.3	6.8	6.3
37.5°	3.4	4.0	4.0	4.0	3.4
40°	1.7	2.3	2.3	1.7	1.7
42.5°	1.1	1.1	1.1	1.1	1.1
45°	1.1	0.6	0.6	0.6	1.1
47.5°	0.6	0.6	0.0	0.6	0.6
50°	0.6	0.6	0.0	0.6	0.6
52.5°	0.6	0.0	0.0	0.0	0.6
55°	0.6	0.0	0.0	0.0	0.6
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)