

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: P1318196

Luminaire Tested: LDSQA3D09R259830DE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318196
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: LDSQA3D09R259830DE010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 98CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

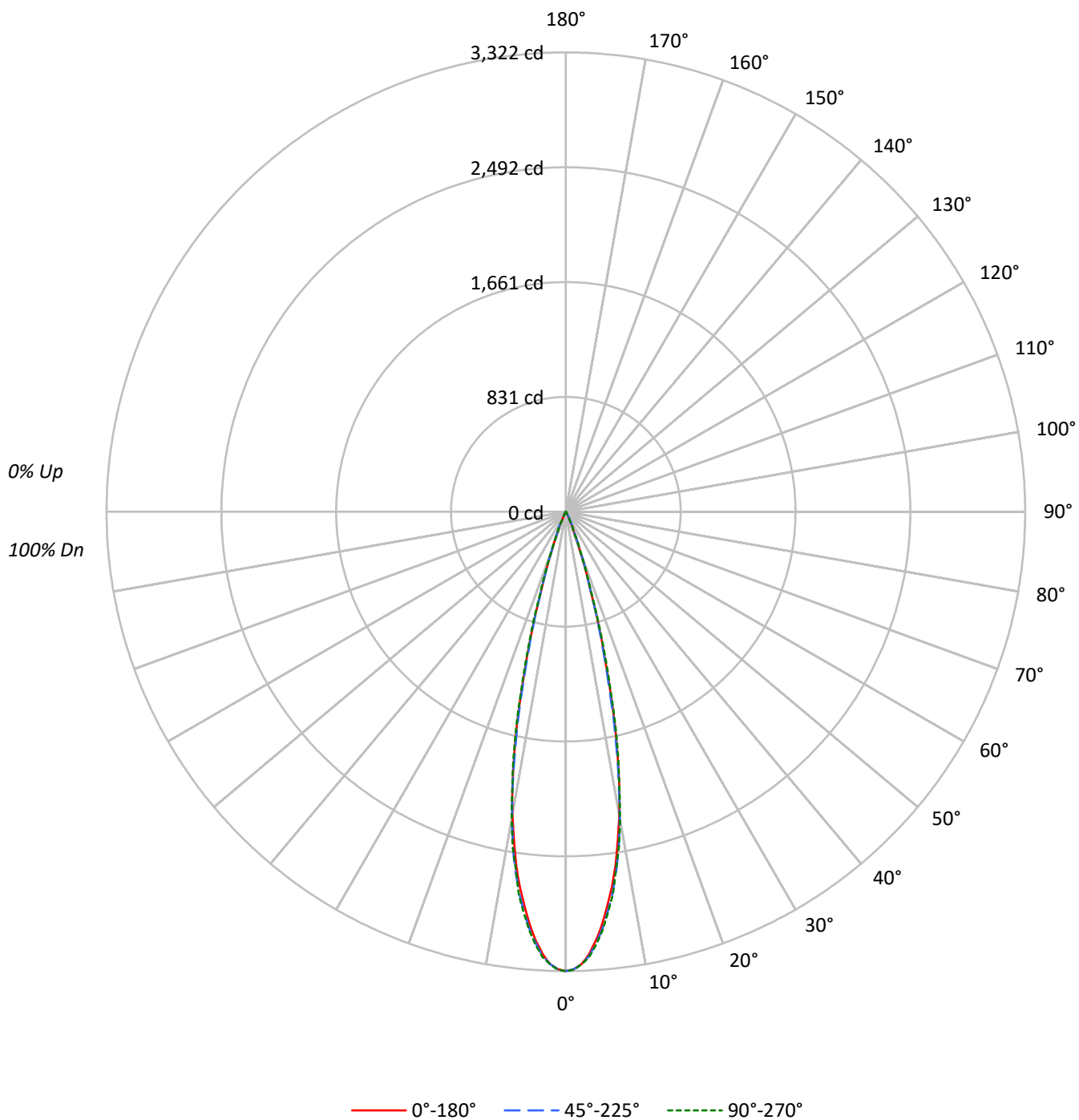
Lumens per Lamp: N/A
Luminaire Lumens: 613.0 lumens
Efficiency: N/A
Efficacy: 55.7 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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					0
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	86	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°	572055	572055	572055
5°	518382	523119	525660
10°	389701	392464	394283
15°	192954	187213	199676
20°	54488	55404	55991
25°	9444	17863	11212
30°	3699	3798	3918
35°	1156	1261	1261
40°	360	495	360
45°	268	122	268
50°	134	0	134
55°	150	0	150
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°	263.9	43.0
10°-20°	297.6	48.5
20°-30°	46.1	7.5
30°-40°	4.7	0.8
40°-50°	0.6	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°	607.6	99.1
0°-40°	612.3	99.9
0°-60°	613.0	100.0
0°-90°	613.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	613.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3322	3322	3322	3322	3322	
5°	2998	3004	3026	3038	3041	261
15°	1082	1075	1050	1097	1120	296
25°	50	74	94	72	59	42
35°	6	6	6	7	6	4
45°	1	0	0	0	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°	3321.6	3321.6	3321.6	3321.6	3321.6
1°	3307.9	3312.3	3307.3	3312.8	3312.3
2°	3273.5	3277.8	3271.8	3275.1	3275.1
3°	3202.9	3212.2	3217.7	3221.5	3224.8
4°	3110.0	3120.4	3128.6	3138.4	3138.4
5°	2998.5	3004.0	3025.9	3037.9	3040.6
6°	2865.7	2887.6	2904.0	2928.0	2913.3
7°	2732.9	2750.9	2773.9	2777.7	2788.1
8°	2582.0	2601.2	2622.5	2618.7	2609.9
9°	2398.4	2426.3	2451.4	2443.2	2454.1
10°	2228.4	2245.3	2244.2	2236.0	2254.6
11°	2031.1	2034.9	2013.6	2046.9	2026.7
12°	1797.1	1800.4	1773.1	1805.9	1826.7
13°	1573.1	1565.4	1527.7	1570.9	1597.1
14°	1315.1	1317.8	1269.7	1353.3	1346.8
15°	1082.2	1074.6	1050.0	1097.0	1119.9
17.5°	576.6	581.6	575.5	599.0	613.8
20°	297.3	305.5	302.3	312.1	305.5
22.5°	154.1	165.6	168.9	161.2	140.5
25°	49.7	73.8	94.0	71.6	59.0
27.5°	30.1	29.5	45.9	31.7	32.2
30°	18.6	18.0	19.1	19.1	19.7
32.5°	10.4	10.9	10.4	11.5	10.9
35°	5.5	6.0	6.0	6.6	6.0
37.5°	3.3	3.8	3.8	3.8	3.3
40°	1.6	2.2	2.2	1.6	1.6
42.5°	1.1	1.1	1.1	1.1	1.1
45°	1.1	0.5	0.5	0.5	1.1
47.5°	0.5	0.5	0.0	0.5	0.5
50°	0.5	0.5	0.0	0.5	0.5
52.5°	0.5	0.0	0.0	0.0	0.5
55°	0.5	0.0	0.0	0.0	0.5
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)