

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: P1309051

Luminaire Tested: LDSQA3D09R209030DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309051  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R209030DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

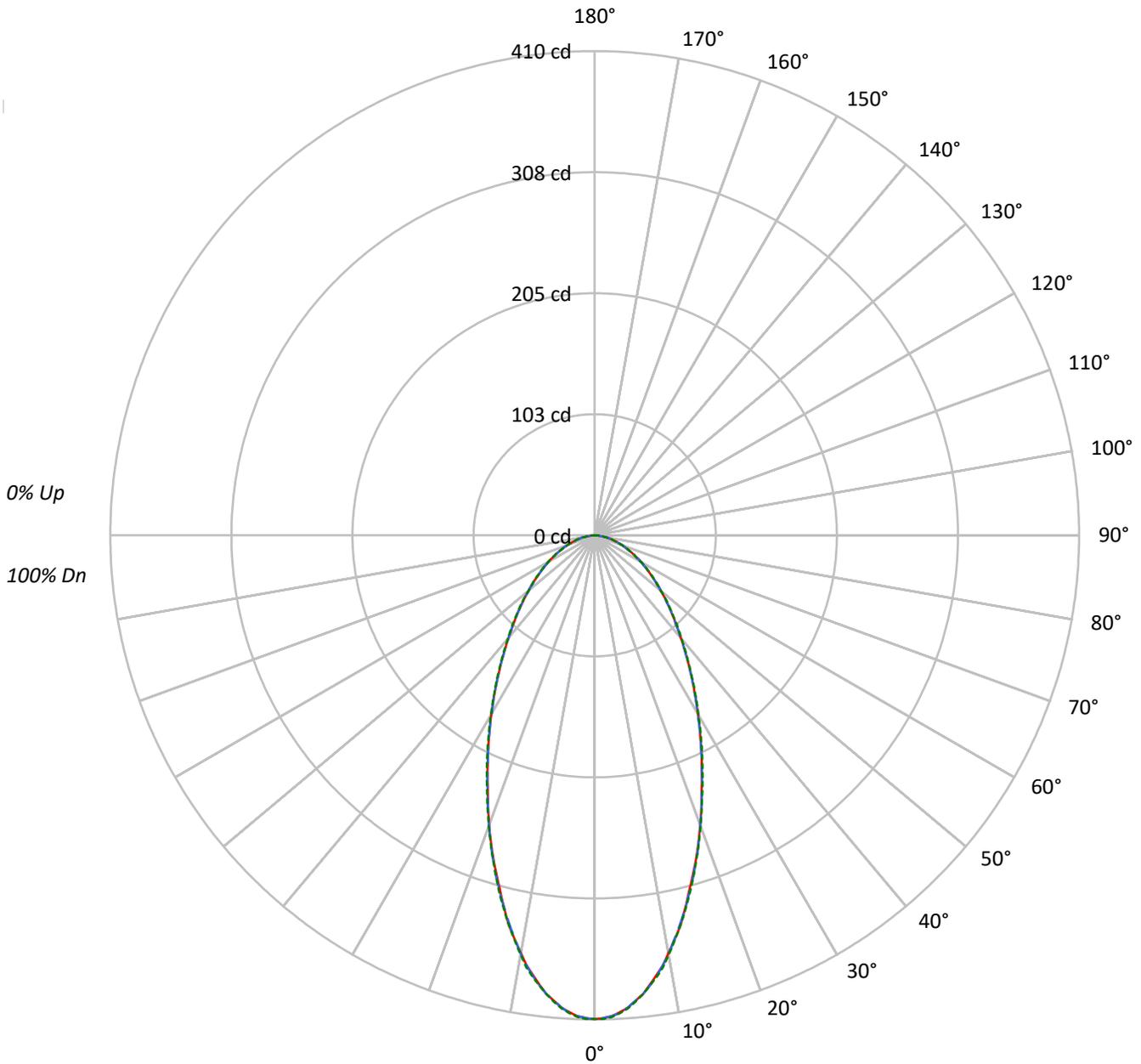
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 490.0 lumens  
Efficiency: N/A  
Efficacy: 44.1 lumens/watt  
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86  
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<sub>in</sub>): 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



— 0°-180°    - - - 45°-225°    ····· 90°-270°



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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	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	77
3	96	87	80	75	93	85	79	74	82	77	73	80	75	71	77	74	70	68
4	89	79	71	66	87	78	71	65	75	69	65	73	68	64	71	67	63	61
5	83	72	64	59	81	71	64	58	69	63	58	67	62	57	65	61	57	55
6	78	66	59	53	76	65	58	53	64	57	52	62	56	52	61	56	52	50
7	73	61	54	48	71	60	53	48	59	53	48	58	52	48	56	51	47	45
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	42
9	65	53	46	41	63	52	45	41	51	45	41	50	45	40	49	44	40	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	36

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	70560	70560	70560
5°	68426	68426	68547
10°	62817	62939	63062
15°	55308	55558	55700
20°	47872	47872	48000
25°	40723	40723	41008
30°	34762	34622	34921
35°	29687	29687	29834
40°	25495	25495	25652
45°	22261	22261	22456
50°	19613	19613	19613
55°	17355	17355	17565
60°	15638	15638	15638
65°	14018	14018	14018
70°	12538	12538	12538
75°	11179	10713	11179
80°	9422	9422	9422
85°	5730	5730	7311

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 22456 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	36.6	7.5
10°-20°	86.7	17.7
20°-30°	98.8	20.2
30°-40°	88.7	18.1
40°-50°	71.1	14.5
50°-60°	52.2	10.7
60°-70°	34.2	7.0
70°-80°	17.7	3.6
80°-90°	4.1	0.8
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°	222.1	45.3
0°-40°	310.8	63.4
0°-60°	434.1	88.6
0°-90°	490.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	490.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	410	410	410	410	410	
5°	396	396	396	396	396	37
15°	310	310	312	312	312	87
25°	214	214	214	215	216	99
35°	141	141	141	141	142	89
45°	91	91	91	91	92	71
55°	58	58	58	58	58	52
65°	34	34	34	34	34	34
75°	17	16	16	17	17	18
85°	3	3	3	4	4	4
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	409.7	409.7	409.7	409.7	409.7
1°	408.9	408.2	408.9	408.9	409.7
2°	407.5	407.5	407.5	406.7	408.2
3°	404.5	404.5	405.3	404.5	405.3
4°	400.9	400.9	400.9	400.2	401.6
5°	395.8	395.8	395.8	395.8	396.5
6°	390.6	389.9	390.6	389.9	390.6
7°	383.3	383.3	384.1	383.3	384.1
8°	376.0	375.3	376.7	376.0	377.5
9°	368.7	368.0	368.7	368.0	370.2
10°	359.2	359.9	359.9	359.9	360.6
12.5°	337.2	335.8	335.8	335.8	337.2
15°	310.2	310.2	311.6	311.6	312.4
17.5°	286.0	285.3	286.8	286.8	286.8
20°	261.2	260.4	261.2	261.2	261.9
22.5°	236.3	237.0	237.0	237.0	237.8
25°	214.3	214.3	214.3	215.1	215.8
27.5°	193.9	193.1	193.9	194.6	195.3
30°	174.8	174.1	174.1	174.8	175.6
32.5°	157.3	156.5	157.3	157.3	158.0
35°	141.2	141.2	141.2	141.2	141.9
37.5°	126.6	126.6	126.6	127.3	127.3
40°	113.4	113.4	113.4	114.1	114.1
42.5°	101.7	101.7	101.7	102.4	103.1
45°	91.4	91.4	91.4	91.4	92.2
47.5°	81.9	81.9	81.9	82.7	82.7
50°	73.2	72.4	73.2	73.9	73.2
52.5°	65.1	65.1	65.1	65.1	65.8
55°	57.8	57.8	57.8	57.8	58.5
57.5°	51.2	51.2	51.2	51.9	51.9
60°	45.4	45.4	45.4	45.4	45.4
62.5°	39.5	39.5	39.5	39.5	39.5
65°	34.4	33.7	34.4	34.4	34.4
67.5°	29.3	29.3	29.3	29.3	29.3
70°	24.9	24.9	24.9	24.9	24.9
72.5°	20.5	20.5	20.5	20.5	20.5
75°	16.8	16.1	16.1	16.8	16.8
77.5°	13.2	12.4	13.2	13.2	13.2
80°	9.5	9.5	9.5	9.5	9.5
82.5°	5.9	5.9	5.9	6.6	6.6
85°	2.9	2.9	2.9	3.7	3.7
87.5°	0.7	0.7	0.7	1.5	1.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)