

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: P1308550

Luminaire Tested: LDSQA3D24R209027D010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308550  
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: LDSQA3D24R209027D010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

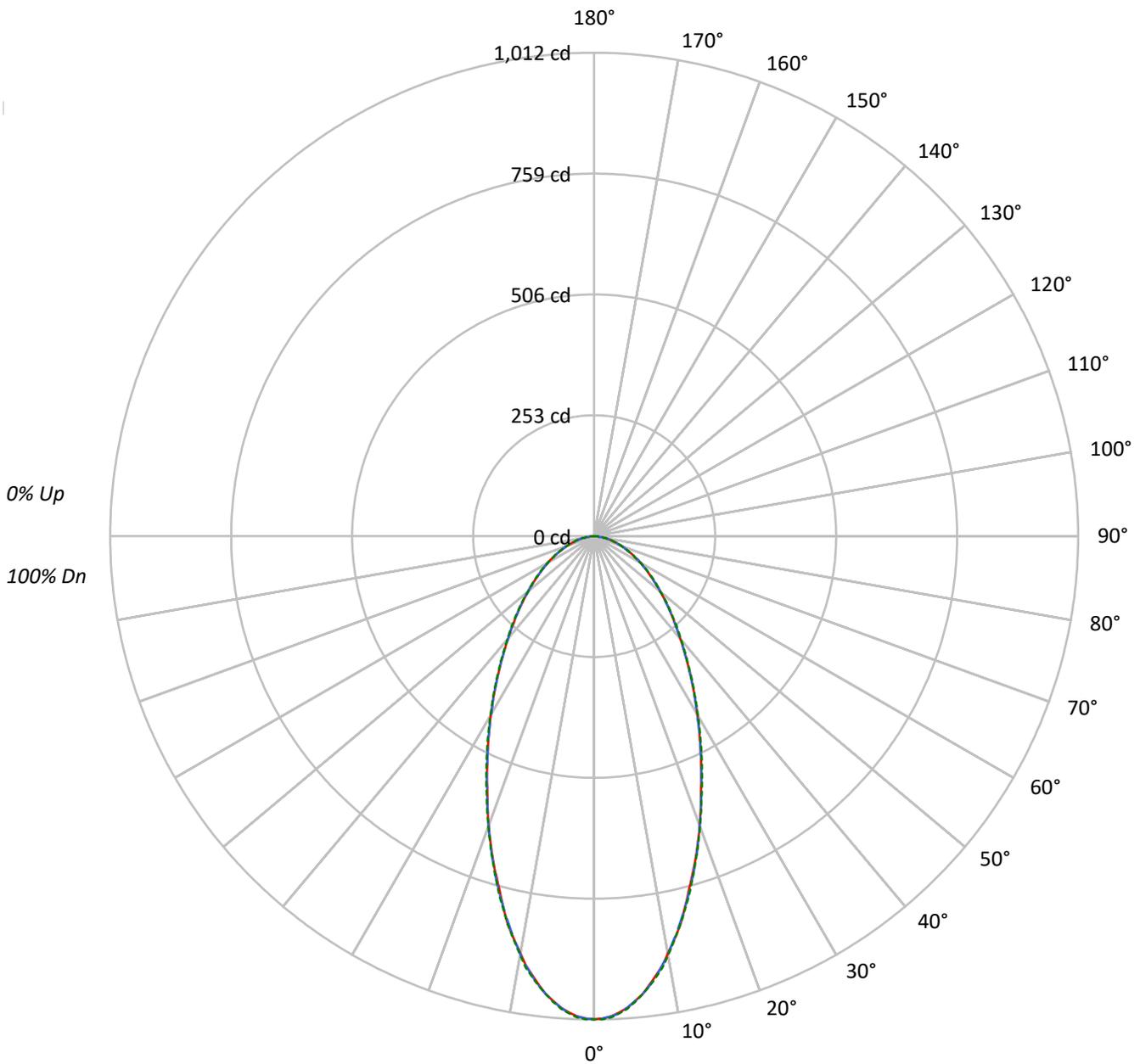
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1210.0 lumens  
Efficiency: N/A  
Efficacy: 42.0 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): 28.8  
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



— 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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100	100
1	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	88	88
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	79	77	77
3	96	87	80	75	93	85	79	74	82	77	73	80	75	72	77	74	70	70	68	68
4	89	79	71	66	87	78	71	65	75	69	65	73	68	64	71	67	63	63	61	61
5	83	72	64	59	81	71	64	58	69	63	58	67	62	57	65	61	57	57	55	55
6	78	66	59	53	76	65	58	53	64	57	52	62	56	52	61	56	52	52	50	50
7	73	61	54	48	71	60	53	48	59	53	48	58	52	48	56	51	47	47	46	46
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	43	42	42
9	65	53	46	41	63	52	46	41	51	45	41	50	45	40	49	44	40	40	39	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	37	36	36

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

	0°	45°	90°
0°	174220	174220	174220
5°	168956	168956	169267
10°	155118	155433	155748
15°	136558	137218	137539
20°	118194	118194	118524
25°	100581	100581	101265
30°	85850	85492	86208
35°	73291	73291	73691
40°	62950	62950	63354
45°	54996	54996	55434
50°	48388	48388	48388
55°	42847	42847	43388
60°	38578	38578	38578
65°	34598	34598	34598
70°	30918	30918	30918
75°	27615	26417	27615
80°	23307	23307	23307
85°	14227	14227	17784

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 55434 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	90.5	7.5
10°-20°	214.2	17.7
20°-30°	243.9	20.2
30°-40°	219.0	18.1
40°-50°	175.5	14.5
50°-60°	128.9	10.7
60°-70°	84.3	7.0
70°-80°	43.7	3.6
80°-90°	10.1	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°	548.5	45.3
0°-40°	767.5	63.4
0°-60°	1071.9	88.6
0°-90°	1210.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1210.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1012	1012	1012	1012	1012	
5°	977	977	977	977	979	90
15°	766	766	770	770	771	214
25°	529	529	529	531	533	244
35°	349	349	349	349	350	219
45°	226	226	226	226	228	175
55°	143	143	143	143	144	129
65°	85	83	85	85	85	84
75°	42	40	40	42	42	44
85°	7	7	7	9	9	10
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1011.6	1011.6	1011.6	1011.6	1011.6
1°	1009.8	1008.0	1009.8	1009.8	1011.6
2°	1006.2	1006.2	1006.2	1004.4	1008.0
3°	999.0	999.0	1000.8	999.0	1000.8
4°	989.9	989.9	989.9	988.1	991.7
5°	977.3	977.3	977.3	977.3	979.1
6°	964.6	962.8	964.6	962.8	964.6
7°	946.6	946.6	948.4	946.6	948.4
8°	928.5	926.7	930.3	928.5	932.1
9°	910.5	908.6	910.5	908.6	914.1
10°	887.0	888.8	888.8	888.8	890.6
12.5°	832.8	829.2	829.2	829.2	832.8
15°	765.9	765.9	769.6	769.6	771.4
17.5°	706.3	704.5	708.1	708.1	708.1
20°	644.9	643.1	644.9	644.9	646.7
22.5°	583.5	585.3	585.3	585.3	587.1
25°	529.3	529.3	529.3	531.1	532.9
27.5°	478.7	476.9	478.7	480.5	482.3
30°	431.7	429.9	429.9	431.7	433.5
32.5°	388.4	386.6	388.4	388.4	390.2
35°	348.6	348.6	348.6	348.6	350.5
37.5°	312.5	312.5	312.5	314.3	314.3
40°	280.0	280.0	280.0	281.8	281.8
42.5°	251.1	251.1	251.1	252.9	254.7
45°	225.8	225.8	225.8	225.8	227.6
47.5°	202.3	202.3	202.3	204.1	204.1
50°	180.6	178.8	180.6	182.5	180.6
52.5°	160.8	160.8	160.8	160.8	162.6
55°	142.7	142.7	142.7	142.7	144.5
57.5°	126.5	126.5	126.5	128.3	128.3
60°	112.0	112.0	112.0	112.0	112.0
62.5°	97.5	97.5	97.5	97.5	97.5
65°	84.9	83.1	84.9	84.9	84.9
67.5°	72.3	72.3	72.3	72.3	72.3
70°	61.4	61.4	61.4	61.4	61.4
72.5°	50.6	50.6	50.6	50.6	50.6
75°	41.5	39.7	39.7	41.5	41.5
77.5°	32.5	30.7	32.5	32.5	32.5
80°	23.5	23.5	23.5	23.5	23.5
82.5°	14.5	14.5	14.5	16.3	16.3
85°	7.2	7.2	7.2	9.0	9.0
87.5°	1.8	1.8	1.8	3.6	3.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)