

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: P1307432

Luminaire Tested: LDSQA3D20R209024D010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307432  
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: LDSQA3D20R209024D010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 2400K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

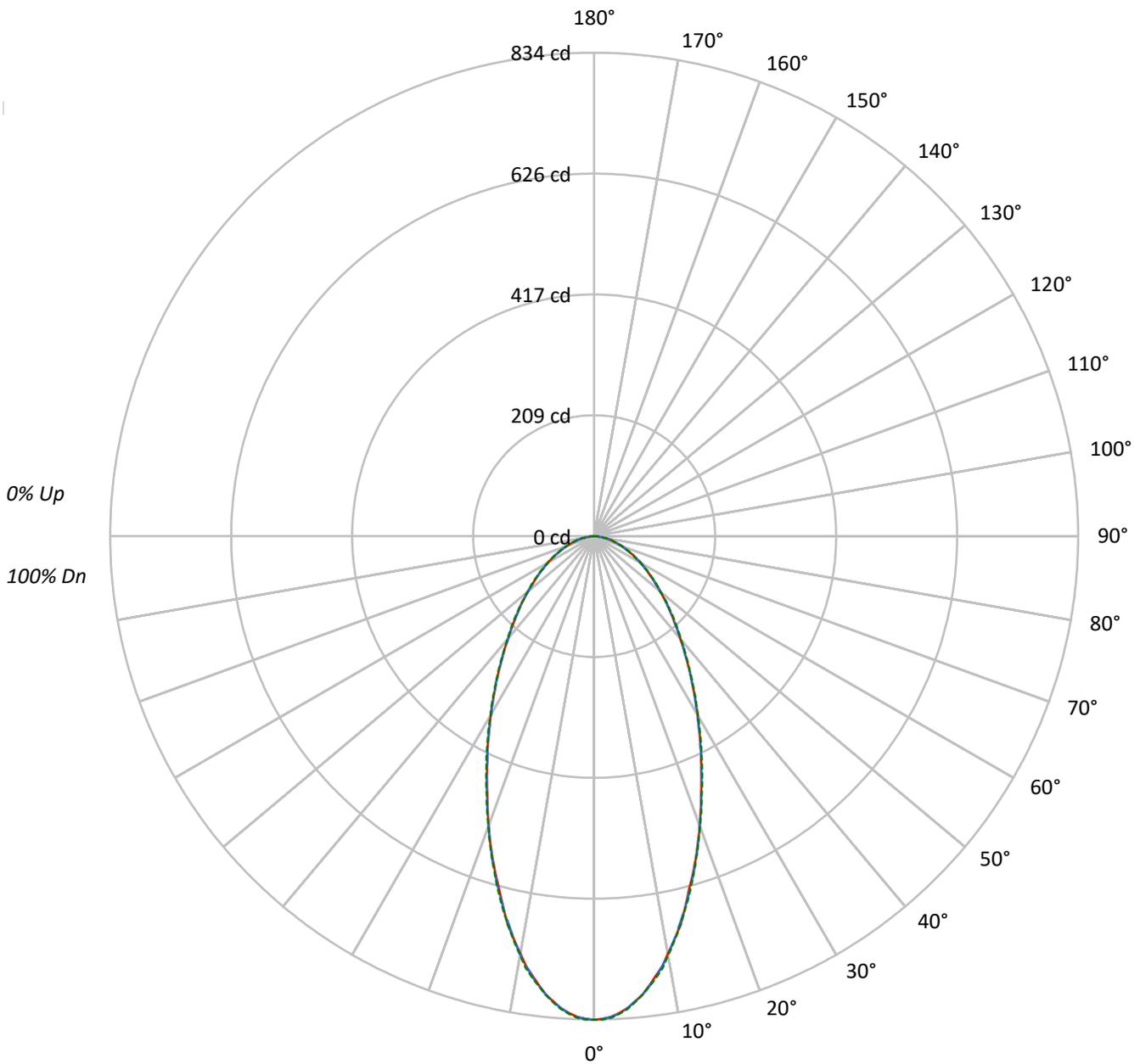
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 998.0 lumens  
Efficiency: N/A  
Efficacy: 34.7 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	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	72	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	46	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°	143703	143703	143703
5°	139359	139359	139618
10°	127942	128204	128449
15°	112631	113166	113433
20°	97484	97484	97759
25°	82966	82966	83517
30°	70816	70518	71114
35°	60466	60466	60782
40°	51911	51911	52248
45°	45351	45351	45716
50°	39922	39922	39922
55°	35341	35341	35791
60°	31827	31827	31827
65°	28526	28526	28526
70°	25530	25530	25530
75°	22824	21826	22824
80°	19241	19241	19241
85°	11856	11856	14623

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 45716 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	74.6	7.5
10°-20°	176.7	17.7
20°-30°	201.1	20.2
30°-40°	180.6	18.1
40°-50°	144.7	14.5
50°-60°	106.3	10.7
60°-70°	69.5	7.0
70°-80°	36.0	3.6
80°-90°	8.4	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°	452.4	45.3
0°-40°	633.0	63.4
0°-60°	884.1	88.6
0°-90°	998.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	998.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	834	834	834	834	834	
5°	806	806	806	806	808	75
15°	632	632	635	635	636	177
25°	437	437	437	438	440	201
35°	288	288	288	288	289	181
45°	186	186	186	186	188	144
55°	118	118	118	118	119	106
65°	70	68	70	70	70	70
75°	34	33	33	34	34	36
85°	6	6	6	7	7	8
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	834.4	834.4	834.4	834.4	834.4
1°	832.9	831.4	832.9	832.9	834.4
2°	829.9	829.9	829.9	828.4	831.4
3°	823.9	823.9	825.4	823.9	825.4
4°	816.5	816.5	816.5	815.0	818.0
5°	806.1	806.1	806.1	806.1	807.6
6°	795.6	794.1	795.6	794.1	795.6
7°	780.7	780.7	782.2	780.7	782.2
8°	765.8	764.3	767.3	765.8	768.8
9°	750.9	749.4	750.9	749.4	753.9
10°	731.6	733.1	733.1	733.1	734.5
12.5°	686.9	683.9	683.9	683.9	686.9
15°	631.7	631.7	634.7	634.7	636.2
17.5°	582.6	581.1	584.1	584.1	584.1
20°	531.9	530.4	531.9	531.9	533.4
22.5°	481.3	482.7	482.7	482.7	484.2
25°	436.6	436.6	436.6	438.0	439.5
27.5°	394.8	393.3	394.8	396.3	397.8
30°	356.1	354.6	354.6	356.1	357.6
32.5°	320.3	318.9	320.3	320.3	321.8
35°	287.6	287.6	287.6	287.6	289.1
37.5°	257.8	257.8	257.8	259.3	259.3
40°	230.9	230.9	230.9	232.4	232.4
42.5°	207.1	207.1	207.1	208.6	210.1
45°	186.2	186.2	186.2	186.2	187.7
47.5°	166.9	166.9	166.9	168.4	168.4
50°	149.0	147.5	149.0	150.5	149.0
52.5°	132.6	132.6	132.6	132.6	134.1
55°	117.7	117.7	117.7	117.7	119.2
57.5°	104.3	104.3	104.3	105.8	105.8
60°	92.4	92.4	92.4	92.4	92.4
62.5°	80.5	80.5	80.5	80.5	80.5
65°	70.0	68.5	70.0	70.0	70.0
67.5°	59.6	59.6	59.6	59.6	59.6
70°	50.7	50.7	50.7	50.7	50.7
72.5°	41.7	41.7	41.7	41.7	41.7
75°	34.3	32.8	32.8	34.3	34.3
77.5°	26.8	25.3	26.8	26.8	26.8
80°	19.4	19.4	19.4	19.4	19.4
82.5°	11.9	11.9	11.9	13.4	13.4
85°	6.0	6.0	6.0	7.4	7.4
87.5°	1.5	1.5	1.5	3.0	3.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)