

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: P1318621

Luminaire Tested: LDSQA3D20R209830D010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1318621  
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: LDSQA3D20R209830D010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

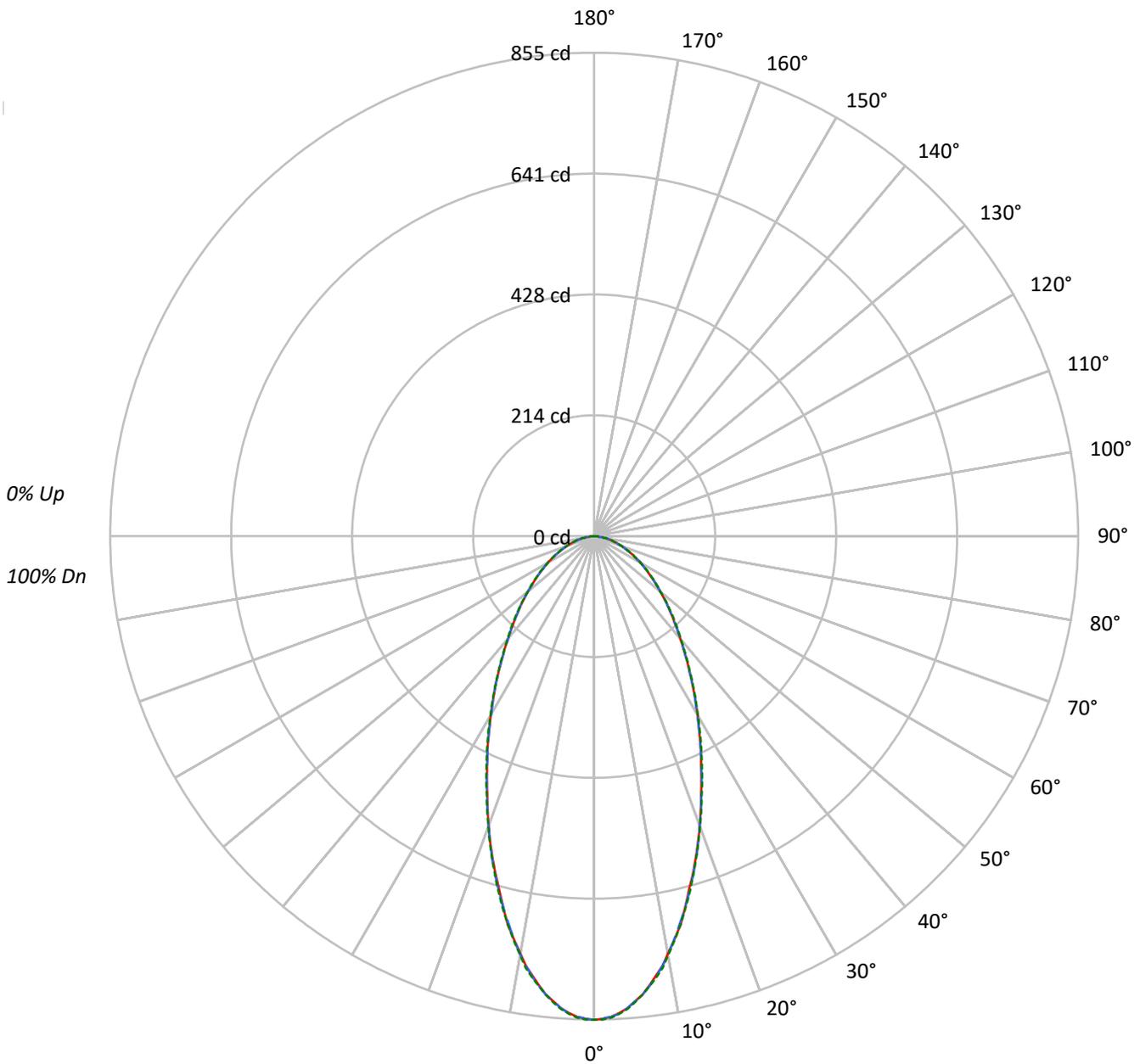
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1023.0 lumens  
Efficiency: N/A  
Efficacy: 37.3 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): 27.4  
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	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100	
1	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	90	90	88	
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	79	79	79	77	
3	96	87	80	75	93	85	79	74	82	77	73	80	75	72	77	74	70	70	70	70	68	
4	89	79	71	66	87	78	71	65	75	69	65	73	68	64	71	67	63	63	63	63	61	
5	83	72	64	59	81	71	64	58	69	63	58	67	62	57	65	61	57	57	57	57	55	
6	78	66	59	53	76	65	58	53	64	57	52	62	56	52	61	56	52	52	52	52	50	
7	73	61	54	48	71	60	53	48	59	53	48	58	52	48	56	51	47	47	47	47	45	
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	43	43	43	42	
9	65	53	46	41	63	52	46	41	51	45	41	50	45	40	49	44	40	40	40	40	39	
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	37	37	37	36	

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

	0°	45°	90°
0°	147302	147302	147302
5°	142851	142851	143110
10°	131142	131404	131667
15°	115466	116001	116268
20°	99922	99922	100215
25°	85037	85037	85607
30°	72586	72288	72884
35°	61980	61980	62296
40°	53215	53215	53575
45°	46496	46496	46861
50°	40913	40913	40913
55°	36242	36242	36692
60°	32619	32619	32619
65°	29259	29259	29259
70°	26134	26134	26134
75°	23356	22358	23356
80°	19737	19737	19737
85°	12054	12054	15018

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 46861 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.5	7.5
10°-20°	181.1	17.7
20°-30°	206.2	20.2
30°-40°	185.1	18.1
40°-50°	148.4	14.5
50°-60°	109.0	10.7
60°-70°	71.3	7.0
70°-80°	37.0	3.6
80°-90°	8.6	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°	463.7	45.3
0°-40°	648.9	63.4
0°-60°	906.2	88.6
0°-90°	1023.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1023.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	855	855	855	855	855	
5°	826	826	826	826	828	76
15°	648	648	651	651	652	181
25°	448	448	448	449	450	206
35°	295	295	295	295	296	185
45°	191	191	191	191	192	148
55°	121	121	121	121	122	109
65°	72	70	72	72	72	71
75°	35	34	34	35	35	37
85°	6	6	6	8	8	8
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	855.3	855.3	855.3	855.3	855.3
1°	853.7	852.2	853.7	853.7	855.3
2°	850.7	850.7	850.7	849.2	852.2
3°	844.6	844.6	846.1	844.6	846.1
4°	836.9	836.9	836.9	835.4	838.5
5°	826.3	826.3	826.3	826.3	827.8
6°	815.6	814.0	815.6	814.0	815.6
7°	800.3	800.3	801.8	800.3	801.8
8°	785.0	783.5	786.5	785.0	788.1
9°	769.7	768.2	769.7	768.2	772.8
10°	749.9	751.4	751.4	751.4	752.9
12.5°	704.1	701.0	701.0	701.0	704.1
15°	647.6	647.6	650.6	650.6	652.1
17.5°	597.2	595.6	598.7	598.7	598.7
20°	545.2	543.7	545.2	545.2	546.8
22.5°	493.3	494.8	494.8	494.8	496.4
25°	447.5	447.5	447.5	449.0	450.5
27.5°	404.7	403.2	404.7	406.3	407.8
30°	365.0	363.5	363.5	365.0	366.5
32.5°	328.4	326.8	328.4	328.4	329.9
35°	294.8	294.8	294.8	294.8	296.3
37.5°	264.2	264.2	264.2	265.7	265.7
40°	236.7	236.7	236.7	238.3	238.3
42.5°	212.3	212.3	212.3	213.8	215.3
45°	190.9	190.9	190.9	190.9	192.4
47.5°	171.1	171.1	171.1	172.6	172.6
50°	152.7	151.2	152.7	154.3	152.7
52.5°	135.9	135.9	135.9	135.9	137.5
55°	120.7	120.7	120.7	120.7	122.2
57.5°	106.9	106.9	106.9	108.4	108.4
60°	94.7	94.7	94.7	94.7	94.7
62.5°	82.5	82.5	82.5	82.5	82.5
65°	71.8	70.3	71.8	71.8	71.8
67.5°	61.1	61.1	61.1	61.1	61.1
70°	51.9	51.9	51.9	51.9	51.9
72.5°	42.8	42.8	42.8	42.8	42.8
75°	35.1	33.6	33.6	35.1	35.1
77.5°	27.5	26.0	27.5	27.5	27.5
80°	19.9	19.9	19.9	19.9	19.9
82.5°	12.2	12.2	12.2	13.7	13.7
85°	6.1	6.1	6.1	7.6	7.6
87.5°	1.5	1.5	1.5	3.1	3.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)