

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: P1312689

Luminaire Tested: LDSQA3D17R209050DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1312689  
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: LDSQA3D17R209050DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 5000K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

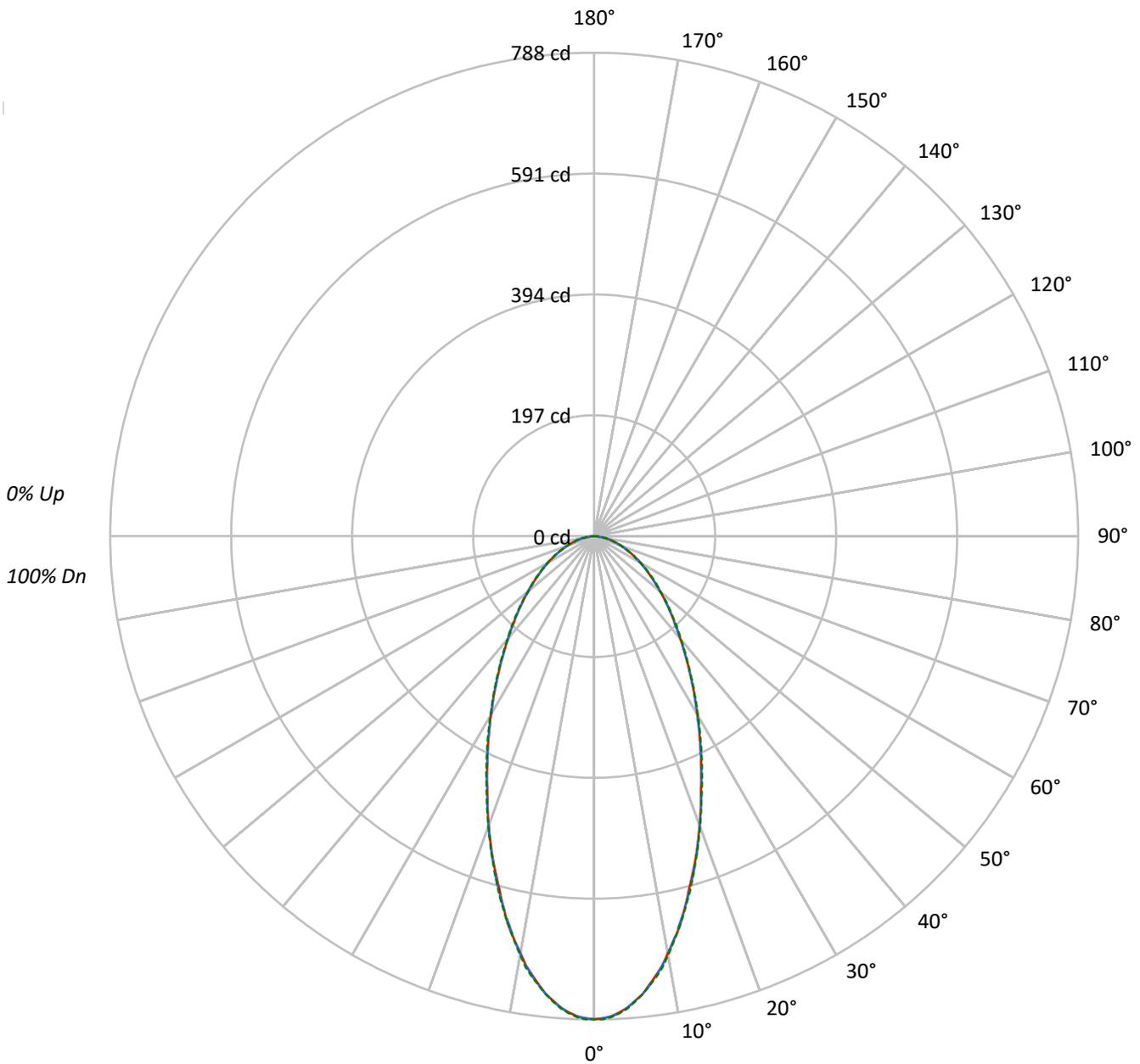
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 942.0 lumens  
Efficiency: N/A  
Efficacy: 44.4 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): 21.2  
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	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	46
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°	135643	135643	135643
5°	131527	131527	131770
10°	120754	120999	121244
15°	106319	106818	107068
20°	92023	92023	92279
25°	78310	78310	78842
30°	66839	66560	67117
35°	57060	57060	57355
40°	49011	49011	49326
45°	42818	42818	43159
50°	37671	37671	37671
55°	33359	33359	33779
60°	30036	30036	30036
65°	26937	26937	26937
70°	24069	24069	24069
75°	21493	20561	21493
80°	18150	18150	18150
85°	11066	11066	13832

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 43159 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	70.4	7.5
10°-20°	166.7	17.7
20°-30°	189.9	20.2
30°-40°	170.5	18.1
40°-50°	136.6	14.5
50°-60°	100.4	10.7
60°-70°	65.6	7.0
70°-80°	34.0	3.6
80°-90°	7.9	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°	427.0	45.3
0°-40°	597.5	63.4
0°-60°	834.5	88.6
0°-90°	942.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	942.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	788	788	788	788	788	
5°	761	761	761	761	762	70
15°	596	596	599	599	600	167
25°	412	412	412	414	415	190
35°	271	271	271	271	273	170
45°	176	176	176	176	177	136
55°	111	111	111	111	112	100
65°	66	65	66	66	66	66
75°	32	31	31	32	32	34
85°	6	6	6	7	7	7
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	787.6	787.6	787.6	787.6	787.6
1°	786.1	784.7	786.1	786.1	787.6
2°	783.3	783.3	783.3	781.9	784.7
3°	777.7	777.7	779.1	777.7	779.1
4°	770.7	770.7	770.7	769.3	772.1
5°	760.8	760.8	760.8	760.8	762.2
6°	751.0	749.6	751.0	749.6	751.0
7°	736.9	736.9	738.3	736.9	738.3
8°	722.9	721.5	724.3	722.9	725.7
9°	708.8	707.4	708.8	707.4	711.6
10°	690.5	691.9	691.9	691.9	693.3
12.5°	648.3	645.5	645.5	645.5	648.3
15°	596.3	596.3	599.1	599.1	600.5
17.5°	549.9	548.5	551.3	551.3	551.3
20°	502.1	500.7	502.1	502.1	503.5
22.5°	454.3	455.7	455.7	455.7	457.1
25°	412.1	412.1	412.1	413.5	414.9
27.5°	372.7	371.3	372.7	374.1	375.5
30°	336.1	334.7	334.7	336.1	337.5
32.5°	302.4	301.0	302.4	302.4	303.8
35°	271.4	271.4	271.4	271.4	272.8
37.5°	243.3	243.3	243.3	244.7	244.7
40°	218.0	218.0	218.0	219.4	219.4
42.5°	195.5	195.5	195.5	196.9	198.3
45°	175.8	175.8	175.8	175.8	177.2
47.5°	157.5	157.5	157.5	158.9	158.9
50°	140.6	139.2	140.6	142.0	140.6
52.5°	125.2	125.2	125.2	125.2	126.6
55°	111.1	111.1	111.1	111.1	112.5
57.5°	98.4	98.4	98.4	99.9	99.9
60°	87.2	87.2	87.2	87.2	87.2
62.5°	75.9	75.9	75.9	75.9	75.9
65°	66.1	64.7	66.1	66.1	66.1
67.5°	56.3	56.3	56.3	56.3	56.3
70°	47.8	47.8	47.8	47.8	47.8
72.5°	39.4	39.4	39.4	39.4	39.4
75°	32.3	30.9	30.9	32.3	32.3
77.5°	25.3	23.9	25.3	25.3	25.3
80°	18.3	18.3	18.3	18.3	18.3
82.5°	11.3	11.3	11.3	12.7	12.7
85°	5.6	5.6	5.6	7.0	7.0
87.5°	1.4	1.4	1.4	2.8	2.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)