

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: P1319935

Luminaire Tested: LDSQA3D09R209840DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319935  
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: LDSQA3D09R209840DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

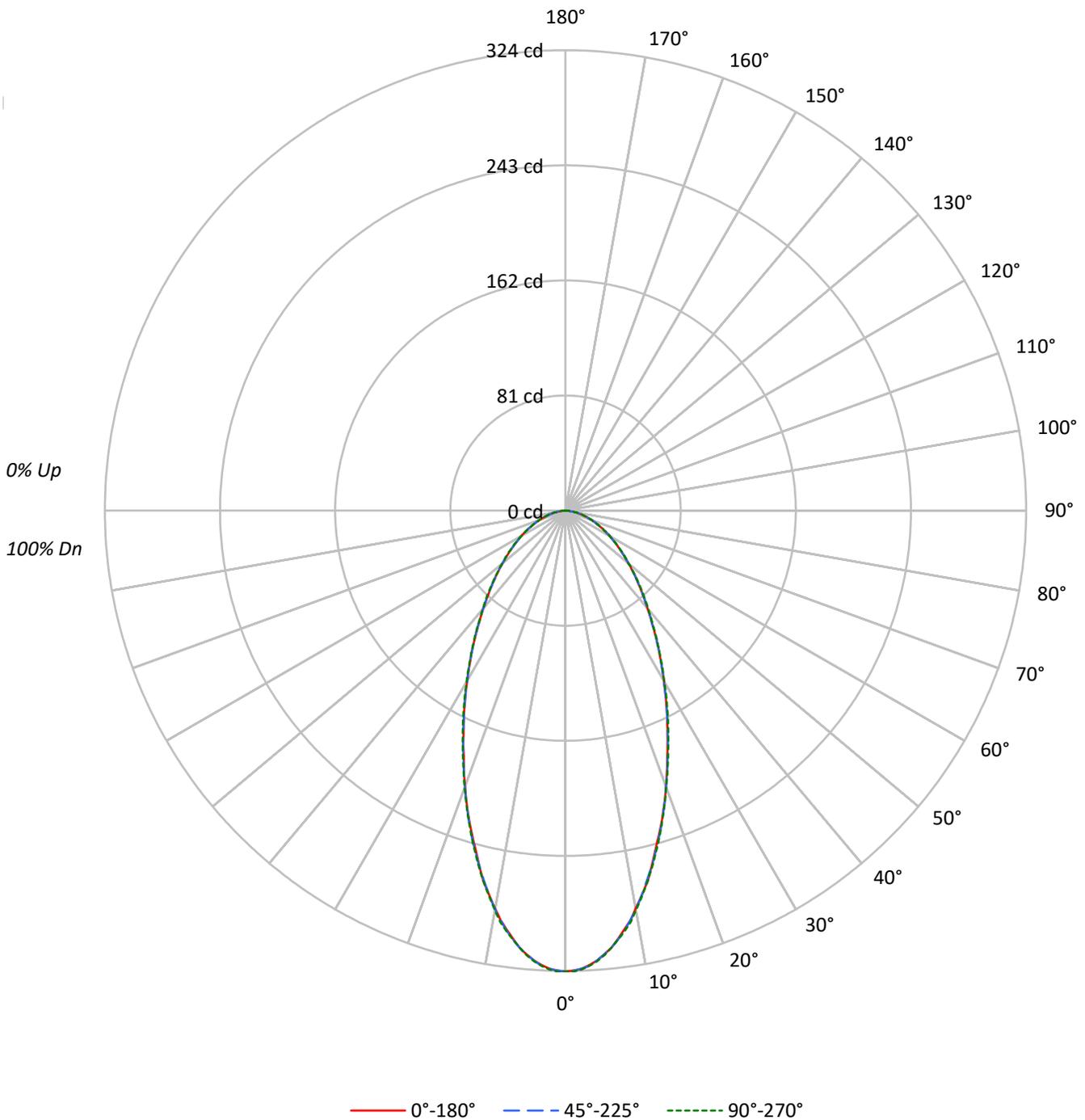
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 388.0 lumens  
Efficiency: N/A  
Efficacy: 35.3 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): 11  
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





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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°	55869	55869	55869
5°	54181	54181	54284
10°	49736	49841	49946
15°	43790	44004	44093
20°	37901	37901	38011
25°	32248	32248	32476
30°	27523	27424	27642
35°	23505	23505	23632
40°	20189	20189	20324
45°	17634	17634	17780
50°	15513	15513	15513
55°	13752	13752	13902
60°	12366	12366	12366
65°	11084	11084	11084
70°	9920	9920	9920
75°	8850	8451	8850
80°	7438	7438	7438
85°	4545	4545	5730

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 17780 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	29.0	7.5
10°-20°	68.7	17.7
20°-30°	78.2	20.2
30°-40°	70.2	18.1
40°-50°	56.3	14.5
50°-60°	41.3	10.7
60°-70°	27.0	7.0
70°-80°	14.0	3.6
80°-90°	3.2	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°	175.9	45.3
0°-40°	246.1	63.4
0°-60°	343.7	88.6
0°-90°	388.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	388.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	324	324	324	324	324	
5°	313	313	313	313	314	29
15°	246	246	247	247	247	69
25°	170	170	170	170	171	78
35°	112	112	112	112	112	70
45°	72	72	72	72	73	56
55°	46	46	46	46	46	41
65°	27	27	27	27	27	27
75°	13	13	13	13	13	14
85°	2	2	2	3	3	3
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	324.4	324.4	324.4	324.4	324.4
1°	323.8	323.2	323.8	323.8	324.4
2°	322.6	322.6	322.6	322.1	323.2
3°	320.3	320.3	320.9	320.3	320.9
4°	317.4	317.4	317.4	316.9	318.0
5°	313.4	313.4	313.4	313.4	314.0
6°	309.3	308.7	309.3	308.7	309.3
7°	303.5	303.5	304.1	303.5	304.1
8°	297.7	297.2	298.3	297.7	298.9
9°	291.9	291.4	291.9	291.4	293.1
10°	284.4	285.0	285.0	285.0	285.6
12.5°	267.0	265.9	265.9	265.9	267.0
15°	245.6	245.6	246.8	246.8	247.3
17.5°	226.5	225.9	227.1	227.1	227.1
20°	206.8	206.2	206.8	206.8	207.4
22.5°	187.1	187.7	187.7	187.7	188.3
25°	169.7	169.7	169.7	170.3	170.9
27.5°	153.5	152.9	153.5	154.1	154.7
30°	138.4	137.9	137.9	138.4	139.0
32.5°	124.5	124.0	124.5	124.5	125.1
35°	111.8	111.8	111.8	111.8	112.4
37.5°	100.2	100.2	100.2	100.8	100.8
40°	89.8	89.8	89.8	90.4	90.4
42.5°	80.5	80.5	80.5	81.1	81.7
45°	72.4	72.4	72.4	72.4	73.0
47.5°	64.9	64.9	64.9	65.5	65.5
50°	57.9	57.3	57.9	58.5	57.9
52.5°	51.6	51.6	51.6	51.6	52.1
55°	45.8	45.8	45.8	45.8	46.3
57.5°	40.5	40.5	40.5	41.1	41.1
60°	35.9	35.9	35.9	35.9	35.9
62.5°	31.3	31.3	31.3	31.3	31.3
65°	27.2	26.6	27.2	27.2	27.2
67.5°	23.2	23.2	23.2	23.2	23.2
70°	19.7	19.7	19.7	19.7	19.7
72.5°	16.2	16.2	16.2	16.2	16.2
75°	13.3	12.7	12.7	13.3	13.3
77.5°	10.4	9.8	10.4	10.4	10.4
80°	7.5	7.5	7.5	7.5	7.5
82.5°	4.6	4.6	4.6	5.2	5.2
85°	2.3	2.3	2.3	2.9	2.9
87.5°	0.6	0.6	0.6	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)