

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: P1320081

Luminaire Tested: LDSQA3D13R209840DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1320081  
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: LDSQA3D13R209840DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

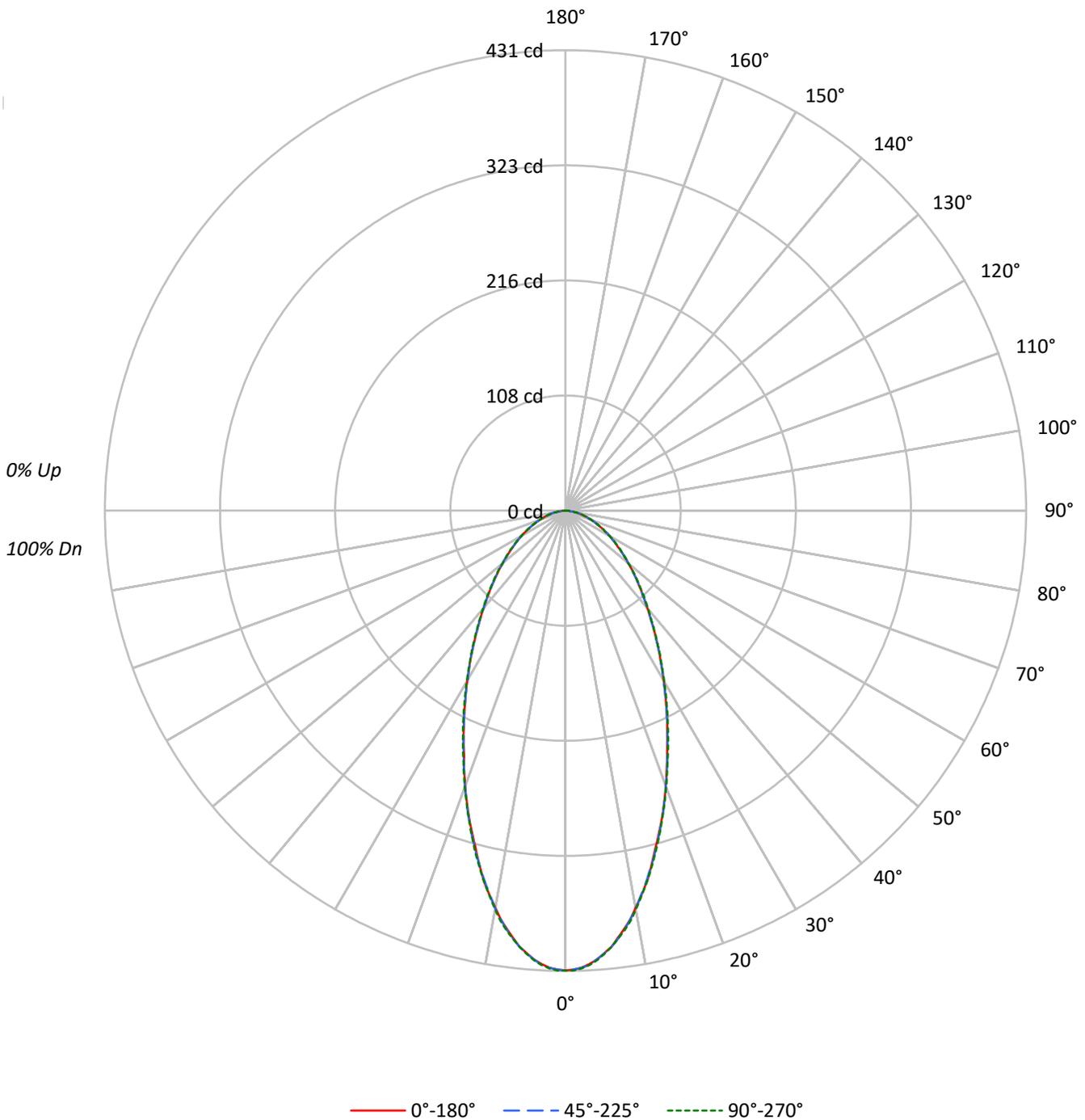
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 515.0 lumens  
Efficiency: N/A  
Efficacy: 35.5 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): 14.5  
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





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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°	74159	74159	74159
5°	71918	71918	72039
10°	66017	66157	66279
15°	58125	58393	58535
20°	50309	50309	50456
25°	42813	42813	43098
30°	36551	36392	36691
35°	31200	31200	31369
40°	26799	26799	26956
45°	23406	23406	23601
50°	20604	20604	20604
55°	18226	18226	18466
60°	16430	16430	16430
65°	14711	14711	14711
70°	13143	13143	13143
75°	11778	11246	11778
80°	9918	9918	9918
85°	6126	6126	7509

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 23601 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	38.5	7.5
10°-20°	91.2	17.7
20°-30°	103.8	20.2
30°-40°	93.2	18.1
40°-50°	74.7	14.5
50°-60°	54.9	10.7
60°-70°	35.9	7.0
70°-80°	18.6	3.6
80°-90°	4.3	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°	233.5	45.3
0°-40°	326.7	63.4
0°-60°	456.2	88.6
0°-90°	515.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	515.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	431	431	431	431	431	
5°	416	416	416	416	417	38
15°	326	326	328	328	328	91
25°	225	225	225	226	227	104
35°	148	148	148	148	149	93
45°	96	96	96	96	97	75
55°	61	61	61	61	62	55
65°	36	35	36	36	36	36
75°	18	17	17	18	18	19
85°	3	3	3	4	4	4
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	430.6	430.6	430.6	430.6	430.6
1°	429.8	429.0	429.8	429.8	430.6
2°	428.3	428.3	428.3	427.5	429.0
3°	425.2	425.2	426.0	425.2	426.0
4°	421.3	421.3	421.3	420.6	422.1
5°	416.0	416.0	416.0	416.0	416.7
6°	410.6	409.8	410.6	409.8	410.6
7°	402.9	402.9	403.7	402.9	403.7
8°	395.2	394.4	396.0	395.2	396.7
9°	387.5	386.7	387.5	386.7	389.0
10°	377.5	378.3	378.3	378.3	379.0
12.5°	354.4	352.9	352.9	352.9	354.4
15°	326.0	326.0	327.5	327.5	328.3
17.5°	300.6	299.9	301.4	301.4	301.4
20°	274.5	273.7	274.5	274.5	275.3
22.5°	248.3	249.1	249.1	249.1	249.9
25°	225.3	225.3	225.3	226.0	226.8
27.5°	203.7	203.0	203.7	204.5	205.3
30°	183.8	183.0	183.0	183.8	184.5
32.5°	165.3	164.5	165.3	165.3	166.1
35°	148.4	148.4	148.4	148.4	149.2
37.5°	133.0	133.0	133.0	133.8	133.8
40°	119.2	119.2	119.2	119.9	119.9
42.5°	106.9	106.9	106.9	107.6	108.4
45°	96.1	96.1	96.1	96.1	96.9
47.5°	86.1	86.1	86.1	86.9	86.9
50°	76.9	76.1	76.9	77.7	76.9
52.5°	68.4	68.4	68.4	68.4	69.2
55°	60.7	60.7	60.7	60.7	61.5
57.5°	53.8	53.8	53.8	54.6	54.6
60°	47.7	47.7	47.7	47.7	47.7
62.5°	41.5	41.5	41.5	41.5	41.5
65°	36.1	35.4	36.1	36.1	36.1
67.5°	30.8	30.8	30.8	30.8	30.8
70°	26.1	26.1	26.1	26.1	26.1
72.5°	21.5	21.5	21.5	21.5	21.5
75°	17.7	16.9	16.9	17.7	17.7
77.5°	13.8	13.1	13.8	13.8	13.8
80°	10.0	10.0	10.0	10.0	10.0
82.5°	6.2	6.2	6.2	6.9	6.9
85°	3.1	3.1	3.1	3.8	3.8
87.5°	0.8	0.8	0.8	1.5	1.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)