

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: P1319239

Luminaire Tested: LDSQA3D13R309835DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319239  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R309835DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

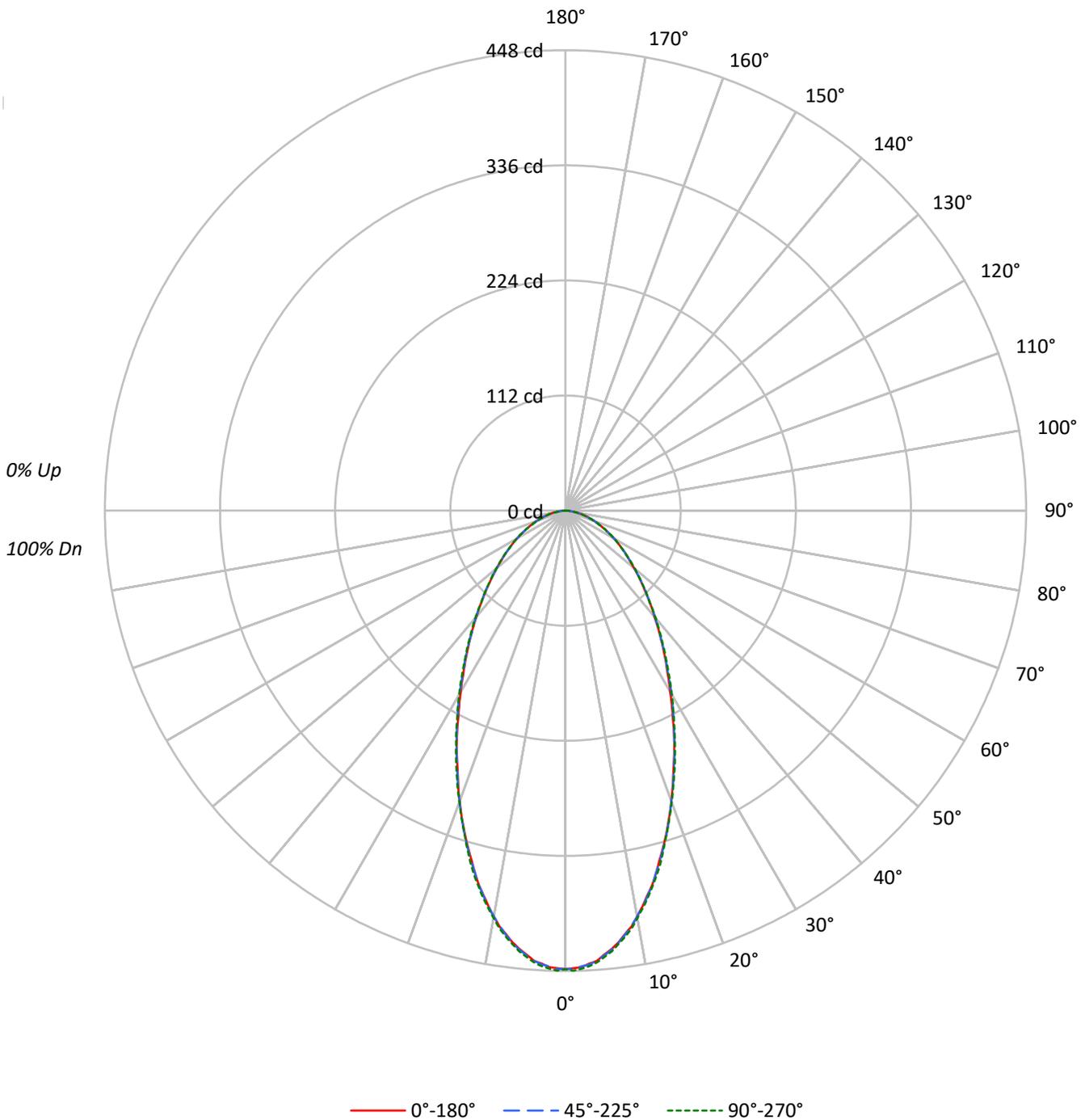
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 573.1 lumens  
Efficiency: N/A  
Efficacy: 39.5 lumens/watt  
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9  
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	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	90	90	88
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	79	79	79	77
3	95	86	80	74	93	85	79	73	82	77	72	79	75	71	77	73	70	70	70	70	68
4	89	78	71	65	86	77	70	65	75	69	64	73	67	63	71	66	62	62	62	62	60
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	56	56	56	54
6	77	66	58	52	76	65	58	52	63	57	52	62	56	51	60	55	51	51	51	51	49
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	47	47	47	45
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	43	43	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	40	40	40	38
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	37	37	37	35

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

	0°	45°	90°
0°	76846	76846	76846
5°	74961	75099	75359
10°	70144	70144	70406
15°	62886	63028	63456
20°	55203	55203	55349
25°	47602	47602	47906
30°	40509	40986	41145
35°	34985	35153	35321
40°	30283	30463	30643
45°	26451	26645	26645
50°	23364	23364	23578
55°	20958	20958	20958
60°	18841	18841	18841
65°	16790	16790	16790
70°	15157	15157	15157
75°	13708	13175	13175
80°	11802	11009	11009
85°	7904	7904	7904

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 26645 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	40.4	7.1
10°-20°	98.5	17.2
20°-30°	115.1	20.1
30°-40°	104.7	18.3
40°-50°	84.6	14.8
50°-60°	62.5	10.9
60°-70°	41.1	7.2
70°-80°	21.3	3.7
80°-90°	4.8	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°	254.0	44.3
0°-40°	358.7	62.6
0°-60°	505.8	88.3
0°-90°	573.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	573.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	446	446	446	446	446	
5°	434	434	434	434	436	40
15°	353	354	354	354	356	98
25°	250	250	250	250	252	115
35°	166	166	167	167	168	104
45°	109	109	109	109	109	84
55°	70	69	70	69	70	63
65°	41	41	41	41	41	41
75°	21	20	20	20	20	22
85°	4	4	4	4	4	5
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	446.2	446.2	446.2	446.2	446.2
1°	445.4	445.4	446.2	445.4	447.8
2°	444.7	443.9	443.9	443.9	446.2
3°	441.5	441.5	442.3	441.5	443.9
4°	439.1	438.3	439.1	438.3	440.7
5°	433.6	433.6	434.4	434.4	435.9
6°	428.8	428.8	429.6	428.8	431.2
7°	423.3	423.3	423.3	423.3	424.8
8°	416.1	416.1	416.9	416.9	418.5
9°	409.8	409.0	409.0	409.0	411.4
10°	401.1	401.1	401.1	401.1	402.6
11°	392.3	392.3	392.3	392.3	393.9
12°	382.8	382.8	383.6	382.8	385.2
13°	374.1	374.1	374.1	374.1	375.7
14°	363.8	363.0	363.8	363.8	366.2
15°	352.7	353.5	353.5	353.5	355.9
17.5°	327.4	327.4	328.1	326.6	328.1
20°	301.2	300.4	301.2	301.2	302.0
22.5°	274.2	275.0	275.0	275.0	276.6
25°	250.5	249.7	250.5	250.5	252.1
27.5°	225.9	226.7	227.5	226.7	228.3
30°	203.7	205.3	206.1	204.5	206.9
32.5°	183.9	183.9	184.7	185.5	186.3
35°	166.4	165.7	167.2	167.2	168.0
37.5°	149.8	149.8	149.8	150.6	151.4
40°	134.7	134.7	135.5	135.5	136.3
42.5°	121.3	120.5	121.3	121.3	121.3
45°	108.6	109.4	109.4	109.4	109.4
47.5°	97.5	97.5	98.3	97.5	98.3
50°	87.2	87.2	87.2	87.2	88.0
52.5°	77.7	77.7	77.7	77.7	78.5
55°	69.8	69.0	69.8	69.0	69.8
57.5°	61.8	61.8	61.8	61.8	61.8
60°	54.7	53.9	54.7	53.9	54.7
62.5°	47.6	47.6	47.6	47.6	47.6
65°	41.2	41.2	41.2	41.2	41.2
67.5°	35.7	35.7	35.7	34.9	34.9
70°	30.1	30.1	30.1	30.1	30.1
72.5°	25.4	24.6	24.6	24.6	24.6
75°	20.6	19.8	19.8	19.8	19.8
77.5°	15.9	15.9	15.1	15.1	15.9
80°	11.9	11.1	11.1	11.1	11.1
82.5°	7.1	7.1	7.1	7.1	7.1
85°	4.0	4.0	4.0	4.0	4.0
87.5°	0.8	0.8	0.8	1.6	1.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)