

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: P1314657

Luminaire Tested: LDSQA3D13R309730DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1314657  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R309730DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 97CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

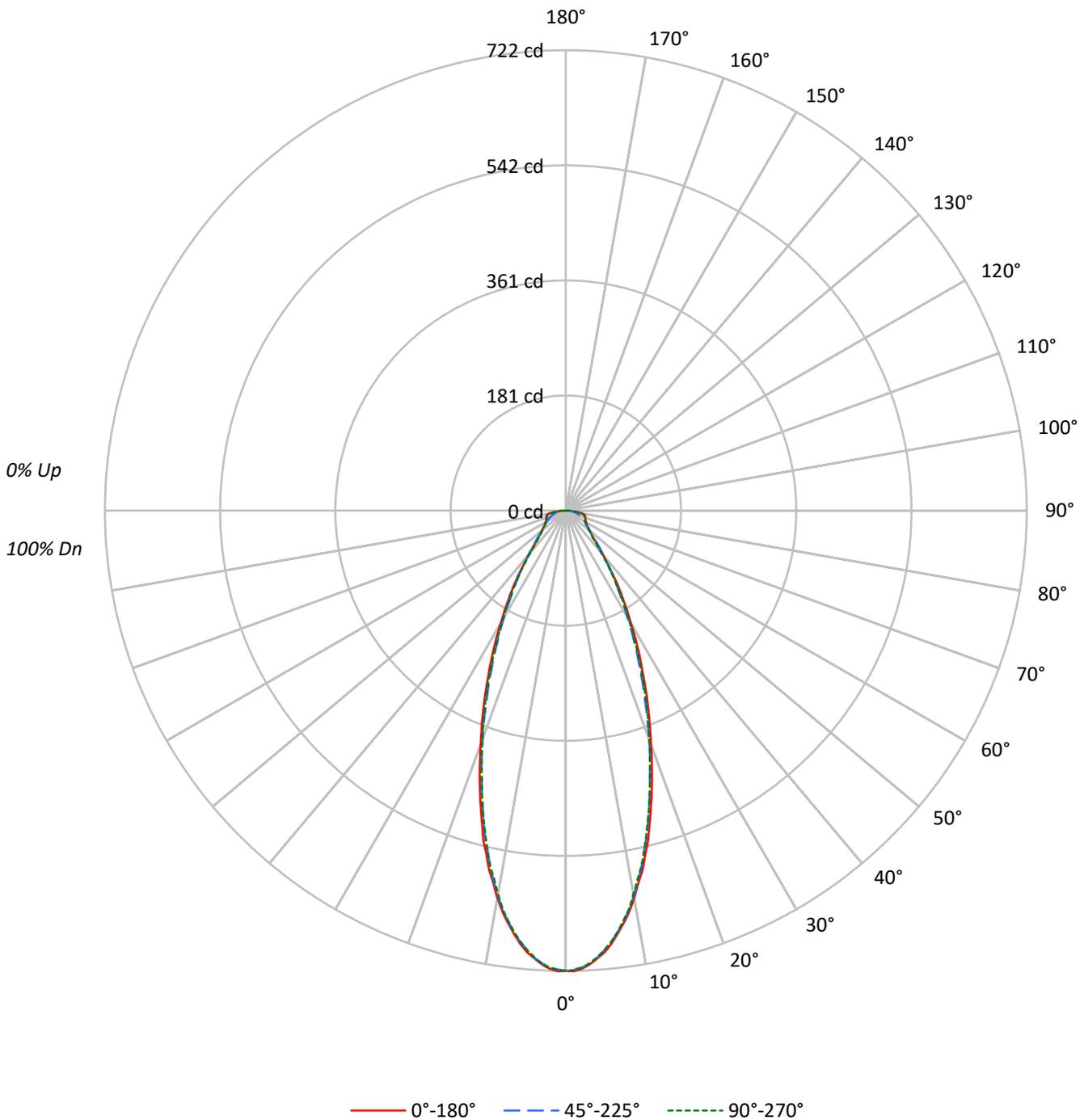
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 569.0 lumens  
Efficiency: N/A  
Efficacy: 39.0 lumens/watt  
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.6  
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79
3	97	89	83	78	95	88	82	77	85	80	76	83	78	75	80	77	74	72
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	56
7	77	67	60	55	76	66	60	55	65	59	55	63	58	54	62	57	54	52
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	49
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	46
10	67	56	50	45	66	56	49	45	55	49	45	54	49	45	53	48	45	43

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

	0°	45°	90°
0°	124276	124276	124276
5°	120221	119616	119616
10°	107901	107289	106834
15°	90433	89024	88882
20°	71386	69956	69956
25°	54652	52485	53493
30°	40549	38480	39336
35°	29308	28026	28215
40°	20189	20571	19582
45°	15076	15710	14443
50°	13075	12834	12834
55°	12311	11770	12040
60°	12607	11711	12297
65°	13855	11736	13489
70°	16214	11833	15811
75°	20894	12776	20295
80°	25886	13786	24200
85°	20748	13832	18970

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 25886 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	63.6	11.2
10°-20°	138.4	24.3
20°-30°	128.9	22.7
30°-40°	85.5	15.0
40°-50°	49.8	8.8
50°-60°	36.3	6.4
60°-70°	30.6	5.4
70°-80°	25.4	4.5
80°-90°	10.5	1.9
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°	330.9	58.1
0°-40°	416.4	73.2
0°-60°	502.4	88.3
0°-90°	569.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	569.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	722	722	722	722	722	
5°	695	694	692	692	692	64
15°	507	502	499	498	498	140
25°	288	282	276	277	282	133
35°	139	137	133	134	134	88
45°	62	63	64	61	59	50
55°	41	40	39	40	40	37
65°	34	30	29	30	33	34
75°	31	24	19	24	30	32
85°	10	12	7	11	10	12
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	721.6	721.6	721.6	721.6	721.6
1°	722.4	721.6	719.8	720.7	720.7
2°	718.9	718.1	717.2	717.2	717.2
3°	712.8	712.0	711.1	711.1	711.1
4°	704.1	703.3	703.3	702.4	702.4
5°	695.4	694.5	691.9	691.9	691.9
6°	683.2	682.3	680.6	679.7	679.7
7°	668.4	668.4	665.8	664.9	665.8
8°	652.7	651.8	650.1	649.2	649.2
9°	636.2	633.5	633.5	630.9	632.7
10°	617.0	615.2	613.5	611.7	610.9
11°	595.2	594.3	591.7	590.0	589.1
12°	576.9	572.5	570.8	568.2	569.9
13°	553.4	550.7	546.4	545.5	546.4
14°	533.3	528.1	524.6	522.9	522.0
15°	507.2	501.9	499.3	498.5	498.5
17.5°	448.8	445.3	438.3	438.3	438.3
20°	389.5	386.0	381.7	380.8	381.7
22.5°	338.1	332.0	325.0	325.9	331.1
25°	287.6	282.3	276.2	277.1	281.5
27.5°	244.9	237.9	231.8	233.5	236.2
30°	203.9	199.6	193.5	195.2	197.8
32.5°	169.1	166.4	159.5	161.2	163.8
35°	139.4	136.8	133.3	134.2	134.2
37.5°	111.5	111.5	110.7	109.8	108.9
40°	89.8	91.5	91.5	88.9	87.1
42.5°	73.2	74.9	76.7	73.2	70.6
45°	61.9	62.7	64.5	61.0	59.3
47.5°	54.0	54.0	55.8	53.2	52.3
50°	48.8	48.8	47.9	47.1	47.9
52.5°	44.4	43.6	42.7	43.6	43.6
55°	41.0	40.1	39.2	40.1	40.1
57.5°	38.3	37.5	36.6	36.6	37.5
60°	36.6	34.9	34.0	34.9	35.7
62.5°	34.9	32.2	31.4	32.2	34.0
65°	34.0	30.5	28.8	30.5	33.1
67.5°	33.1	28.8	26.1	28.8	32.2
70°	32.2	27.0	23.5	27.0	31.4
72.5°	31.4	25.3	21.8	25.3	31.4
75°	31.4	23.5	19.2	23.5	30.5
77.5°	29.6	21.8	16.6	21.8	28.8
80°	26.1	20.0	13.9	19.2	24.4
82.5°	19.2	17.4	10.5	16.6	18.3
85°	10.5	12.2	7.0	11.3	9.6
87.5°	1.7	2.6	1.7	5.2	3.5



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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)