

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: P1316601

Luminaire Tested: LDSQA3D13R309740DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316601  
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: LDSQA3D13R309740DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

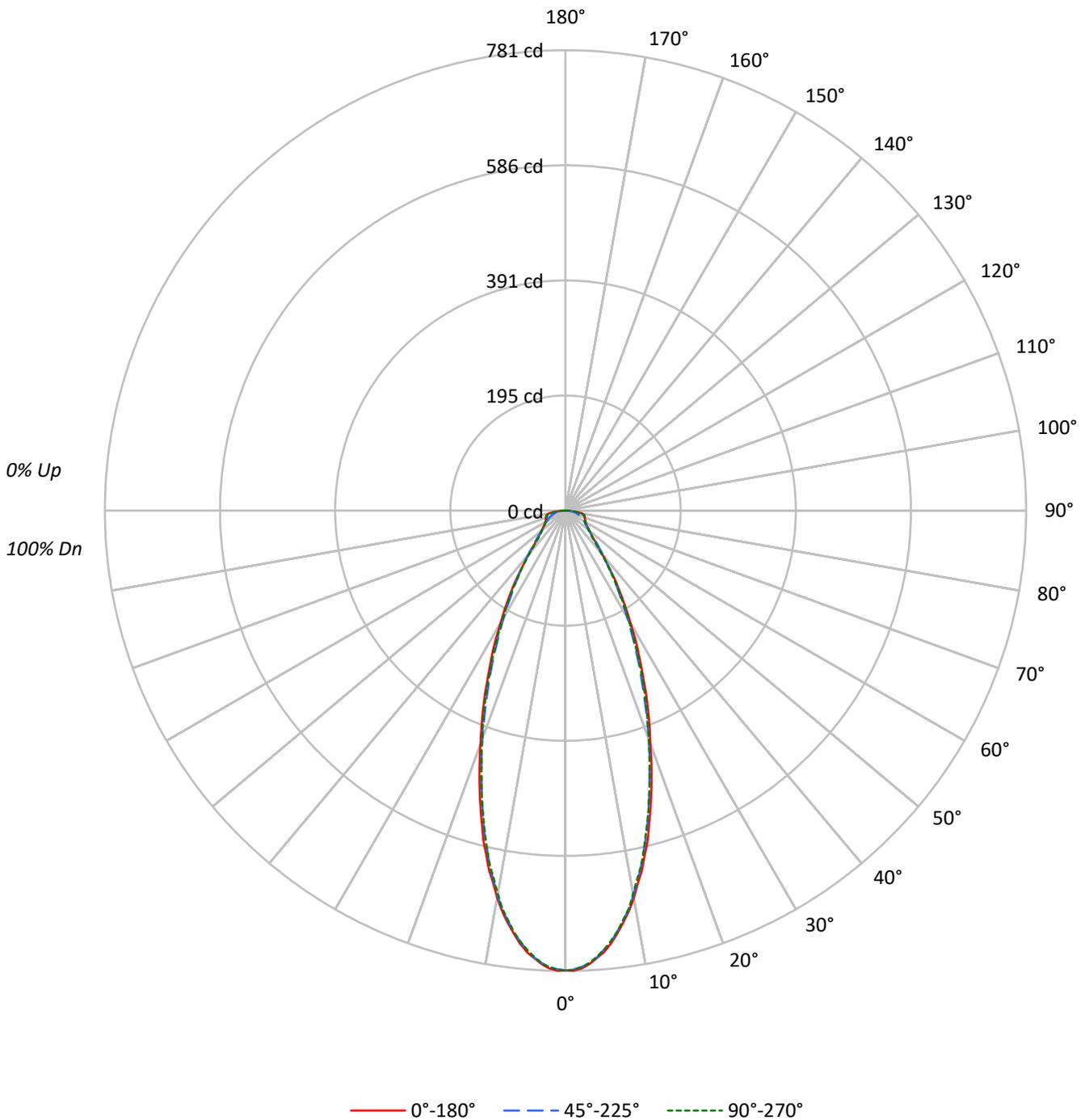
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 615.0 lumens  
Efficiency: N/A  
Efficacy: 42.1 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 (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
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°	134316	134316	134316
5°	129937	129297	129297
10°	116627	115963	115473
15°	97743	96227	96067
20°	77159	75601	75601
25°	59060	56742	57806
30°	43830	41583	42517
35°	31684	30296	30507
40°	21808	22235	21178
45°	16294	16976	15588
50°	14120	13879	13879
55°	13302	12731	13001
60°	13640	12641	13296
65°	14956	12674	14589
70°	17523	12790	17070
75°	22558	13774	21959
80°	28068	14976	26183
85°	22329	14820	20551

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 28068 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	68.8	11.2
10°-20°	149.5	24.3
20°-30°	139.3	22.7
30°-40°	92.5	15.0
40°-50°	53.8	8.8
50°-60°	39.2	6.4
60°-70°	33.1	5.4
70°-80°	27.4	4.5
80°-90°	11.4	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°	357.6	58.2
0°-40°	450.1	73.2
0°-60°	543.1	88.3
0°-90°	615.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	615.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	780	780	780	780	780	
5°	752	751	748	748	748	69
15°	548	542	540	539	539	151
25°	311	305	299	300	304	143
35°	151	148	144	145	145	95
45°	67	68	70	66	64	54
55°	44	43	42	43	43	40
65°	37	33	31	33	36	37
75°	34	25	21	25	33	35
85°	11	13	8	12	10	13
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	779.9	779.9	779.9	779.9	779.9
1°	780.8	779.9	778.0	778.9	778.9
2°	777.1	776.1	775.2	775.2	775.2
3°	770.5	769.5	768.6	768.6	768.6
4°	761.0	760.1	760.1	759.2	759.2
5°	751.6	750.7	747.9	747.9	747.9
6°	738.4	737.5	735.6	734.7	734.7
7°	722.4	722.4	719.6	718.7	719.6
8°	705.5	704.5	702.6	701.7	701.7
9°	687.6	684.8	684.8	681.9	683.8
10°	666.9	665.0	663.1	661.2	660.3
11°	643.3	642.4	639.5	637.7	636.7
12°	623.5	618.8	616.9	614.1	616.0
13°	598.1	595.3	590.6	589.6	590.6
14°	576.4	570.8	567.0	565.1	564.2
15°	548.2	542.5	539.7	538.8	538.8
17.5°	485.1	481.3	473.8	473.8	473.8
20°	421.0	417.3	412.5	411.6	412.5
22.5°	365.5	358.9	351.3	352.3	357.9
25°	310.8	305.2	298.6	299.5	304.2
27.5°	264.7	257.1	250.5	252.4	255.3
30°	220.4	215.7	209.1	211.0	213.8
32.5°	182.7	179.9	172.4	174.2	177.1
35°	150.7	147.9	144.1	145.1	145.1
37.5°	120.6	120.6	119.6	118.7	117.7
40°	97.0	98.9	98.9	96.1	94.2
42.5°	79.1	81.0	82.9	79.1	76.3
45°	66.9	67.8	69.7	65.9	64.0
47.5°	58.4	58.4	60.3	57.5	56.5
50°	52.7	52.7	51.8	50.9	51.8
52.5°	48.0	47.1	46.2	47.1	47.1
55°	44.3	43.3	42.4	43.3	43.3
57.5°	41.4	40.5	39.6	39.6	40.5
60°	39.6	37.7	36.7	37.7	38.6
62.5°	37.7	34.8	33.9	34.8	36.7
65°	36.7	33.0	31.1	33.0	35.8
67.5°	35.8	31.1	28.3	31.1	34.8
70°	34.8	29.2	25.4	29.2	33.9
72.5°	33.9	27.3	23.5	27.3	33.9
75°	33.9	25.4	20.7	25.4	33.0
77.5°	32.0	23.5	17.9	23.5	31.1
80°	28.3	21.7	15.1	20.7	26.4
82.5°	20.7	18.8	11.3	17.9	19.8
85°	11.3	13.2	7.5	12.2	10.4
87.5°	1.9	2.8	1.9	5.7	3.8



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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)