

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: P1319970

Luminaire Tested: LDSQA3D09R309840DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319970  
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: LDSQA3D09R309840DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 98CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

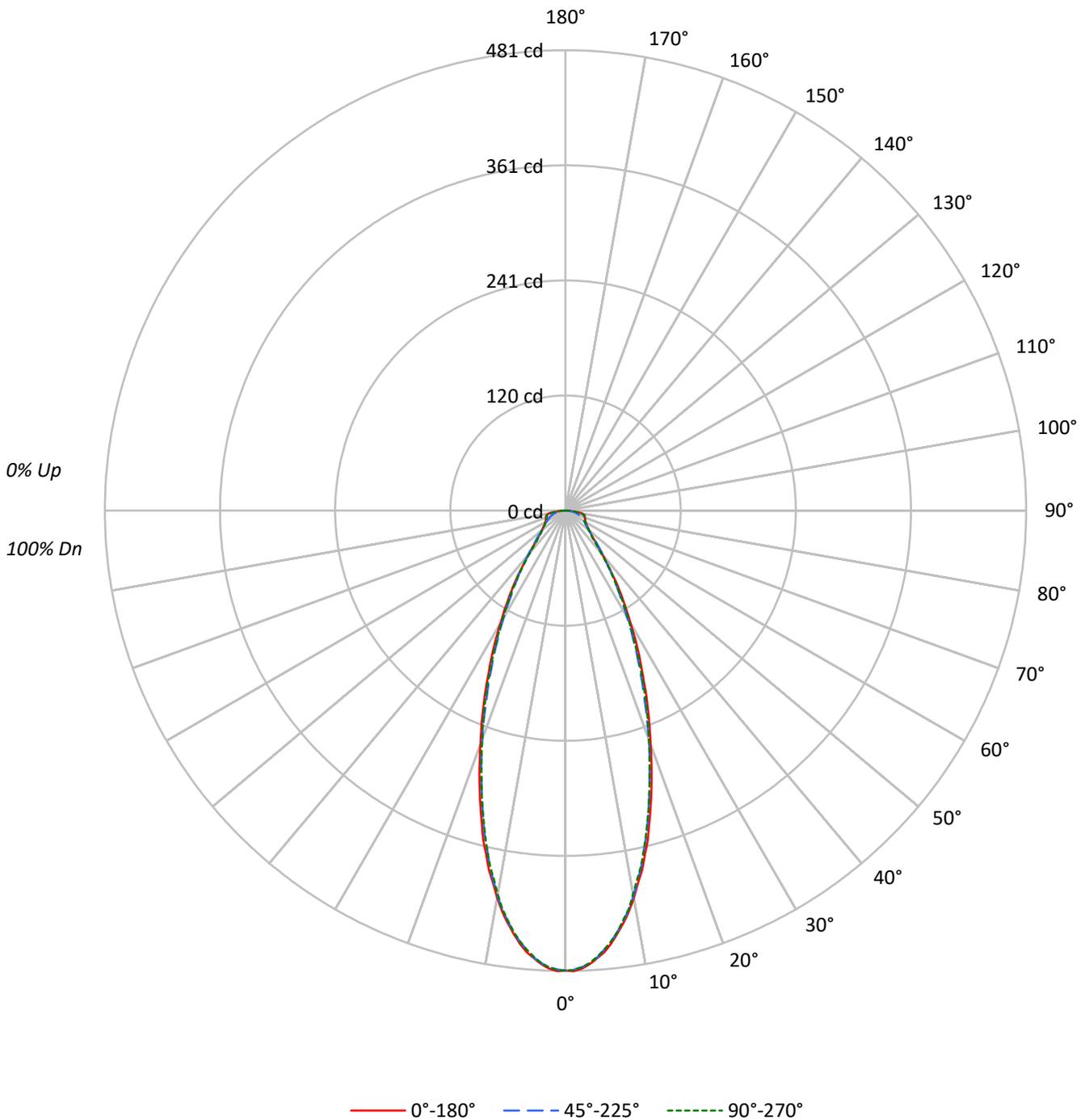
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 379.0 lumens  
Efficiency: N/A  
Efficacy: 34.5 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): 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
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°	82770	82770	82770
5°	80078	79681	79681
10°	71875	71456	71158
15°	60229	59302	59195
20°	47560	46589	46589
25°	36390	34965	35630
30°	27006	25634	26210
35°	19532	18670	18796
40°	13444	13692	13040
45°	10035	10473	9621
50°	8708	8547	8547
55°	8197	7837	8017
60°	8404	7784	8198
65°	9210	7824	9006
70°	10826	7906	10524
75°	13907	8517	13508
80°	17257	9224	16166
85°	13832	9090	12647

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 17257 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	42.4	11.2
10°-20°	92.2	24.3
20°-30°	85.9	22.7
30°-40°	57.0	15.0
40°-50°	33.2	8.8
50°-60°	24.1	6.4
60°-70°	20.4	5.4
70°-80°	16.9	4.5
80°-90°	7.0	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°	220.4	58.2
0°-40°	277.4	73.2
0°-60°	334.7	88.3
0°-90°	379.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	379.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	481	481	481	481	481	
5°	463	463	461	461	461	43
15°	338	334	333	332	332	93
25°	192	188	184	185	188	88
35°	93	91	89	89	89	58
45°	41	42	43	41	40	33
55°	27	27	26	27	27	25
65°	23	20	19	20	22	23
75°	21	16	13	16	20	21
85°	7	8	5	8	6	8
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	480.6	480.6	480.6	480.6	480.6
1°	481.2	480.6	479.5	480.0	480.0
2°	478.9	478.3	477.7	477.7	477.7
3°	474.8	474.2	473.6	473.6	473.6
4°	469.0	468.4	468.4	467.8	467.8
5°	463.2	462.6	460.9	460.9	460.9
6°	455.1	454.5	453.3	452.7	452.7
7°	445.2	445.2	443.5	442.9	443.5
8°	434.8	434.2	433.0	432.4	432.4
9°	423.7	422.0	422.0	420.2	421.4
10°	411.0	409.8	408.6	407.5	406.9
11°	396.4	395.9	394.1	393.0	392.4
12°	384.3	381.4	380.2	378.5	379.6
13°	368.6	366.8	363.9	363.4	363.9
14°	355.2	351.8	349.4	348.3	347.7
15°	337.8	334.3	332.6	332.0	332.0
17.5°	298.9	296.6	292.0	292.0	292.0
20°	259.5	257.1	254.2	253.7	254.2
22.5°	225.2	221.2	216.5	217.1	220.6
25°	191.5	188.1	184.0	184.6	187.5
27.5°	163.1	158.5	154.4	155.6	157.3
30°	135.8	132.9	128.9	130.0	131.8
32.5°	112.6	110.9	106.2	107.4	109.1
35°	92.9	91.1	88.8	89.4	89.4
37.5°	74.3	74.3	73.7	73.1	72.6
40°	59.8	60.9	60.9	59.2	58.0
42.5°	48.8	49.9	51.1	48.8	47.0
45°	41.2	41.8	43.0	40.6	39.5
47.5°	36.0	36.0	37.1	35.4	34.8
50°	32.5	32.5	31.9	31.3	31.9
52.5°	29.6	29.0	28.4	29.0	29.0
55°	27.3	26.7	26.1	26.7	26.7
57.5°	25.5	25.0	24.4	24.4	25.0
60°	24.4	23.2	22.6	23.2	23.8
62.5°	23.2	21.5	20.9	21.5	22.6
65°	22.6	20.3	19.2	20.3	22.1
67.5°	22.1	19.2	17.4	19.2	21.5
70°	21.5	18.0	15.7	18.0	20.9
72.5°	20.9	16.8	14.5	16.8	20.9
75°	20.9	15.7	12.8	15.7	20.3
77.5°	19.7	14.5	11.0	14.5	19.2
80°	17.4	13.4	9.3	12.8	16.3
82.5°	12.8	11.6	7.0	11.0	12.2
85°	7.0	8.1	4.6	7.5	6.4
87.5°	1.2	1.7	1.2	3.5	2.3



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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)