

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: P1306839

Luminaire Tested: LDSQA3D05R309024DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1306839  
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: LDSQA3D05R309024DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

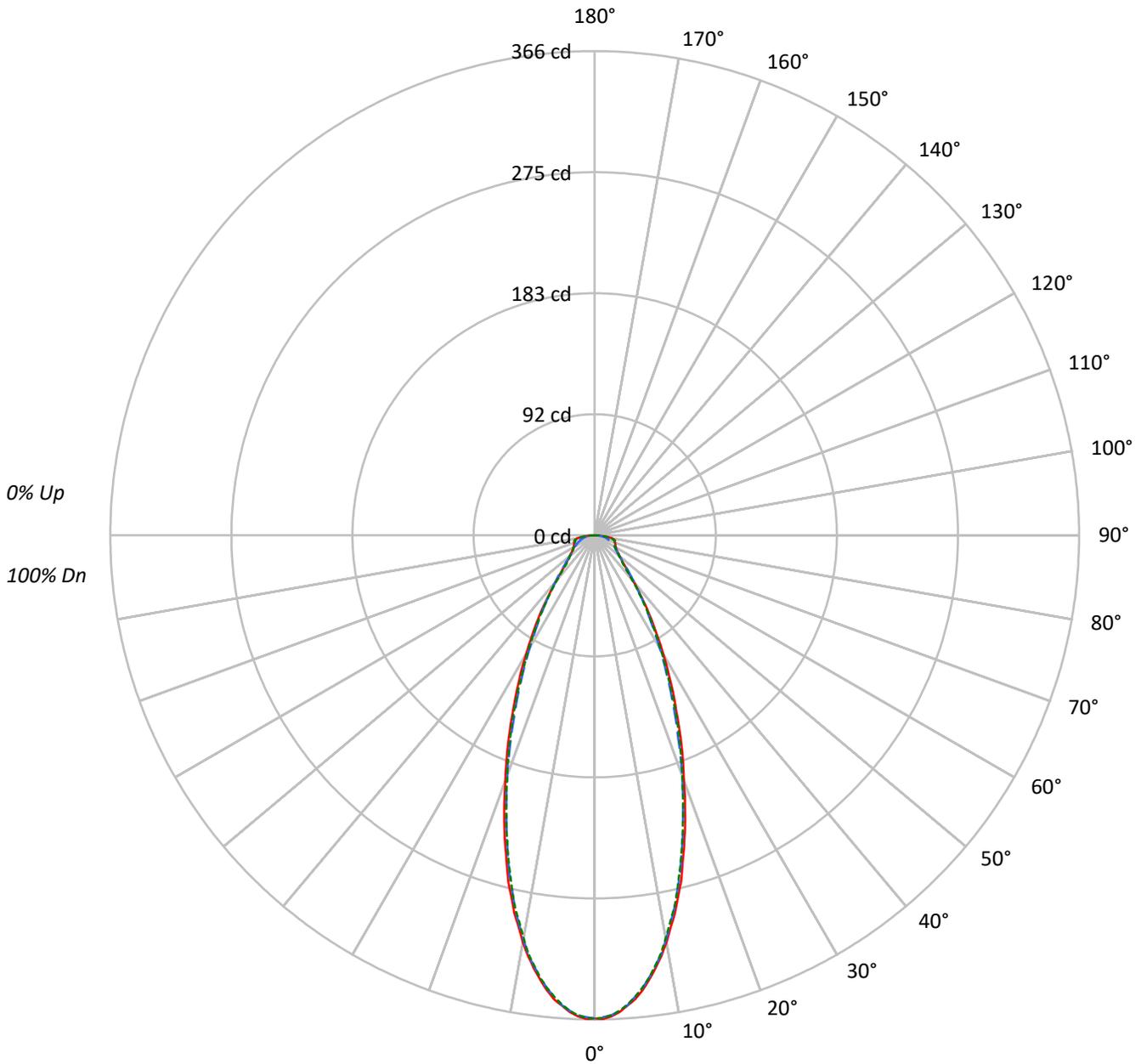
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 288.0 lumens  
Efficiency: N/A  
Efficacy: 40.0 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): 7.2  
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



— 0°-180°    - - 45°-225°    - - - 90°-270°



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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°	62896	62896	62896
5°	60854	60543	60543
10°	54615	54300	54073
15°	45769	45056	44985
20°	36142	35409	35409
25°	27668	26566	27079
30°	20523	19469	19906
35°	14843	14192	14276
40°	10207	10409	9915
45°	7623	7940	7307
50°	6618	6511	6511
55°	6215	5945	6095
60°	6372	5924	6234
65°	7009	5950	6846
70°	8208	5992	8006
75°	10580	6455	10247
80°	13092	7042	12298
85°	10473	6916	9683

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 13092 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	32.2	11.2
10°-20°	70.0	24.3
20°-30°	65.2	22.7
30°-40°	43.3	15.0
40°-50°	25.2	8.8
50°-60°	18.3	6.4
60°-70°	15.5	5.4
70°-80°	12.8	4.5
80°-90°	5.3	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°	167.5	58.2
0°-40°	210.8	73.2
0°-60°	254.3	88.3
0°-90°	288.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	288.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	365	365	365	365	365	
5°	352	352	350	350	350	32
15°	257	254	253	252	252	71
25°	146	143	140	140	142	67
35°	71	69	68	68	68	44
45°	31	32	33	31	30	25
55°	21	20	20	20	20	19
65°	17	15	15	15	17	17
75°	16	12	10	12	15	16
85°	5	6	4	6	5	6
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	365.2	365.2	365.2	365.2	365.2
1°	365.7	365.2	364.3	364.8	364.8
2°	363.9	363.4	363.0	363.0	363.0
3°	360.8	360.4	359.9	359.9	359.9
4°	356.4	356.0	356.0	355.5	355.5
5°	352.0	351.5	350.2	350.2	350.2
6°	345.8	345.4	344.5	344.0	344.0
7°	338.3	338.3	337.0	336.5	337.0
8°	330.4	329.9	329.0	328.6	328.6
9°	322.0	320.7	320.7	319.3	320.2
10°	312.3	311.4	310.5	309.6	309.2
11°	301.3	300.8	299.5	298.6	298.2
12°	292.0	289.8	288.9	287.6	288.5
13°	280.1	278.8	276.6	276.1	276.6
14°	269.9	267.3	265.5	264.6	264.2
15°	256.7	254.1	252.7	252.3	252.3
17.5°	227.2	225.4	221.9	221.9	221.9
20°	197.2	195.4	193.2	192.8	193.2
22.5°	171.1	168.1	164.5	165.0	167.6
25°	145.6	142.9	139.8	140.3	142.5
27.5°	123.9	120.4	117.3	118.2	119.5
30°	103.2	101.0	97.9	98.8	100.1
32.5°	85.6	84.2	80.7	81.6	82.9
35°	70.6	69.2	67.5	67.9	67.9
37.5°	56.5	56.5	56.0	55.6	55.1
40°	45.4	46.3	46.3	45.0	44.1
42.5°	37.1	37.9	38.8	37.1	35.7
45°	31.3	31.8	32.6	30.9	30.0
47.5°	27.3	27.3	28.2	26.9	26.5
50°	24.7	24.7	24.3	23.8	24.3
52.5°	22.5	22.1	21.6	22.1	22.1
55°	20.7	20.3	19.8	20.3	20.3
57.5°	19.4	19.0	18.5	18.5	19.0
60°	18.5	17.6	17.2	17.6	18.1
62.5°	17.6	16.3	15.9	16.3	17.2
65°	17.2	15.4	14.6	15.4	16.8
67.5°	16.8	14.6	13.2	14.6	16.3
70°	16.3	13.7	11.9	13.7	15.9
72.5°	15.9	12.8	11.0	12.8	15.9
75°	15.9	11.9	9.7	11.9	15.4
77.5°	15.0	11.0	8.4	11.0	14.6
80°	13.2	10.1	7.1	9.7	12.4
82.5°	9.7	8.8	5.3	8.4	9.3
85°	5.3	6.2	3.5	5.7	4.9
87.5°	0.9	1.3	0.9	2.6	1.8



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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)