

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: P1308929

Luminaire Tested: LDSQA3D05R309030DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308929  
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: LDSQA3D05R309030DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

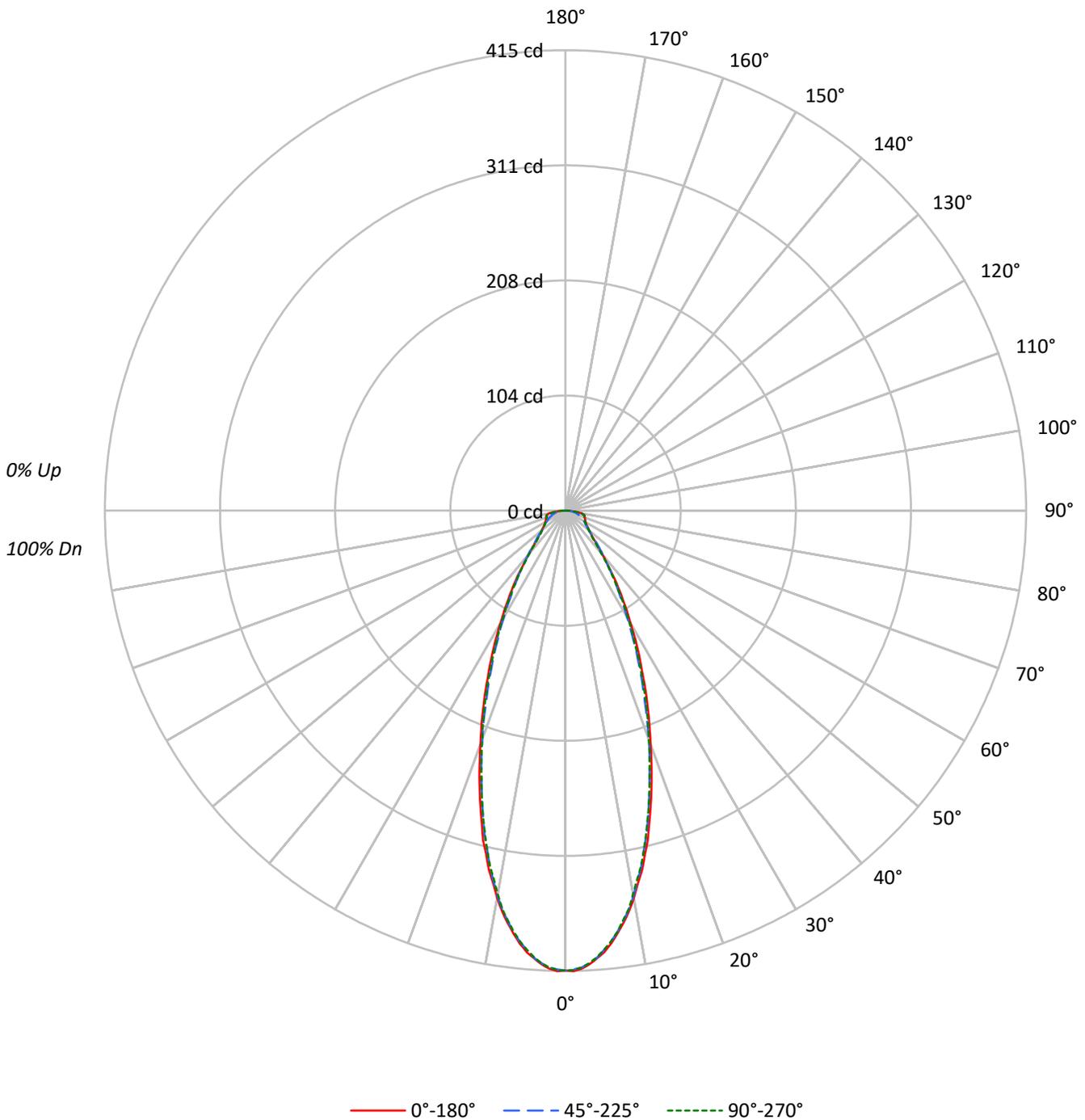
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 326.9 lumens  
Efficiency: N/A  
Efficacy: 45.4 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





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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	70	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	58	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°	71421	71421	71421
5°	69083	68737	68737
10°	62012	61662	61400
15°	51974	51172	51082
20°	41035	40211	40211
25°	31411	30176	30746
30°	23307	22114	22611
35°	16841	16105	16210
40°	11601	11826	11264
45°	8671	9036	8305
50°	7502	7368	7368
55°	7056	6756	6906
60°	7233	6717	7061
65°	7947	6724	7743
70°	9316	6798	9064
75°	11978	7320	11645
80°	14877	7934	13885
85°	11856	7904	10868

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 14877 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	36.6	11.2
10°-20°	79.5	24.3
20°-30°	74.1	22.7
30°-40°	49.2	15.0
40°-50°	28.6	8.8
50°-60°	20.8	6.4
60°-70°	17.6	5.4
70°-80°	14.6	4.5
80°-90°	6.1	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°	190.2	58.2
0°-40°	239.3	73.2
0°-60°	288.7	88.3
0°-90°	326.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	326.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	415	415	415	415	415	
5°	400	399	398	398	398	37
15°	292	288	287	286	286	81
25°	165	162	159	159	162	76
35°	80	79	77	77	77	50
45°	36	36	37	35	34	29
55°	24	23	22	23	23	21
65°	20	18	16	18	19	19
75°	18	14	11	14	18	18
85°	6	7	4	6	6	7
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	414.7	414.7	414.7	414.7	414.7
1°	415.2	414.7	413.7	414.2	414.2
2°	413.2	412.7	412.2	412.2	412.2
3°	409.7	409.2	408.7	408.7	408.7
4°	404.7	404.2	404.2	403.7	403.7
5°	399.6	399.1	397.6	397.6	397.6
6°	392.6	392.1	391.1	390.6	390.6
7°	384.1	384.1	382.6	382.1	382.6
8°	375.1	374.6	373.6	373.1	373.1
9°	365.6	364.1	364.1	362.6	363.6
10°	354.6	353.6	352.6	351.6	351.1
11°	342.1	341.6	340.0	339.0	338.5
12°	331.5	329.0	328.0	326.5	327.5
13°	318.0	316.5	314.0	313.5	314.0
14°	306.5	303.5	301.5	300.5	300.0
15°	291.5	288.5	287.0	286.5	286.5
17.5°	257.9	255.9	251.9	251.9	251.9
20°	223.9	221.9	219.4	218.9	219.4
22.5°	194.3	190.8	186.8	187.3	190.3
25°	165.3	162.3	158.8	159.3	161.8
27.5°	140.7	136.7	133.2	134.2	135.7
30°	117.2	114.7	111.2	112.2	113.7
32.5°	97.2	95.7	91.6	92.6	94.2
35°	80.1	78.6	76.6	77.1	77.1
37.5°	64.1	64.1	63.6	63.1	62.6
40°	51.6	52.6	52.6	51.1	50.1
42.5°	42.1	43.1	44.1	42.1	40.6
45°	35.6	36.1	37.1	35.1	34.1
47.5°	31.1	31.1	32.1	30.5	30.0
50°	28.0	28.0	27.5	27.0	27.5
52.5°	25.5	25.0	24.5	25.0	25.0
55°	23.5	23.0	22.5	23.0	23.0
57.5°	22.0	21.5	21.0	21.0	21.5
60°	21.0	20.0	19.5	20.0	20.5
62.5°	20.0	18.5	18.0	18.5	19.5
65°	19.5	17.5	16.5	17.5	19.0
67.5°	19.0	16.5	15.0	16.5	18.5
70°	18.5	15.5	13.5	15.5	18.0
72.5°	18.0	14.5	12.5	14.5	18.0
75°	18.0	13.5	11.0	13.5	17.5
77.5°	17.0	12.5	9.5	12.5	16.5
80°	15.0	11.5	8.0	11.0	14.0
82.5°	11.0	10.0	6.0	9.5	10.5
85°	6.0	7.0	4.0	6.5	5.5
87.5°	1.0	1.5	1.0	3.0	2.0



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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)