

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: P1308761

Luminaire Tested: LDSQA3D02R309030DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308761  
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: LDSQA3D02R309030DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

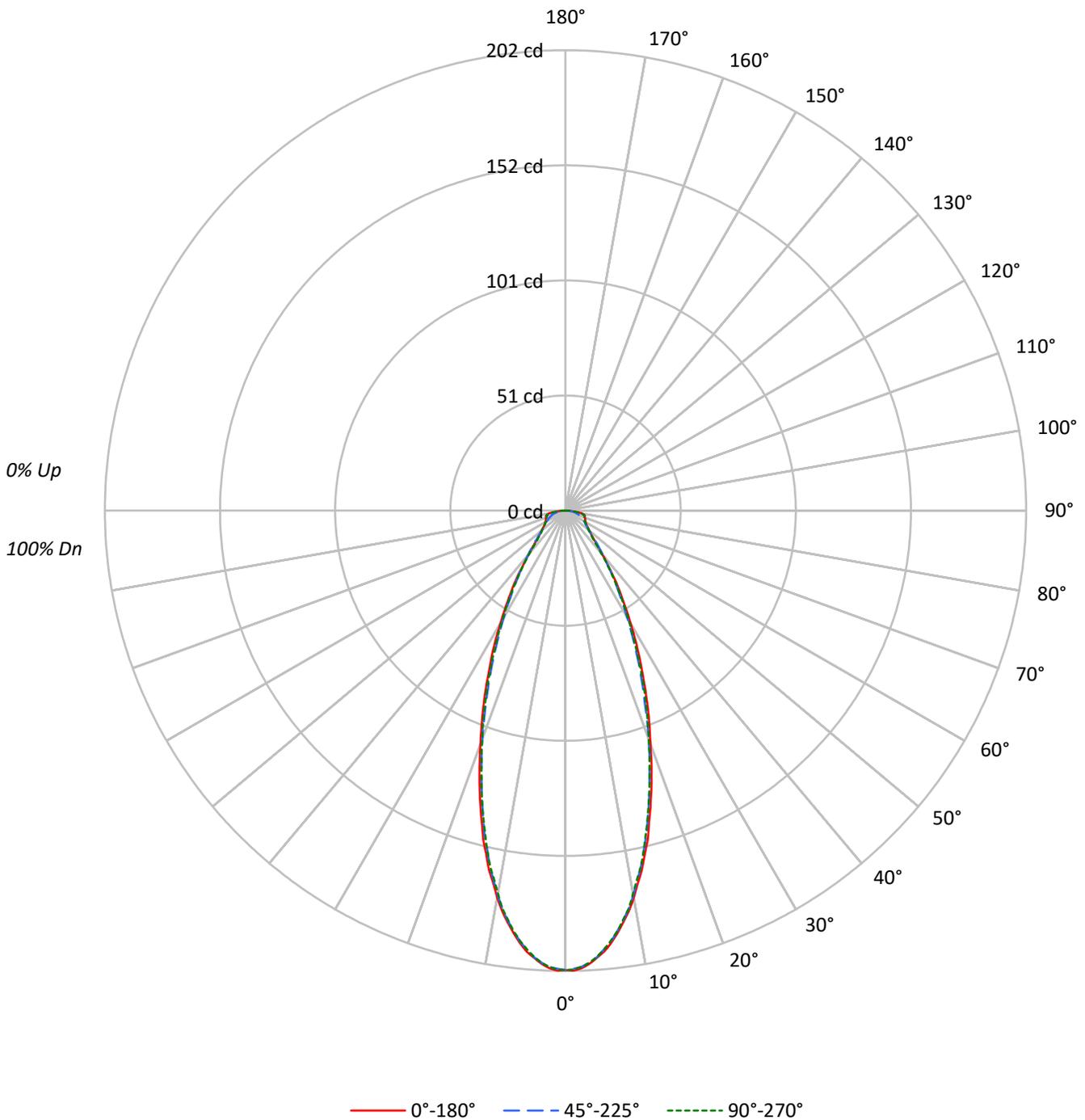
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 159.0 lumens  
Efficiency: N/A  
Efficacy: 44.2 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): 3.6  
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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	91	91	91	89
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	81	81	81	79
3	97	89	83	78	95	88	82	77	85	80	76	83	78	75	80	77	74	74	74	74	72
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	67	67	67	66
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	62	62	62	61
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	58	58	58	56
7	77	67	60	55	76	66	60	55	65	59	55	63	58	54	62	57	54	54	54	54	52
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	51	51	51	49
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	48	48	48	46
10	67	56	50	45	66	56	49	45	55	49	45	54	49	45	53	48	45	45	45	45	43

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

	0°	45°	90°
0°	34720	34720	34720
5°	33591	33418	33418
10°	30149	29974	29852
15°	25265	24873	24837
20°	19959	19555	19555
25°	15278	14670	14955
30°	11335	10759	10997
35°	8200	7842	7884
40°	5643	5755	5486
45°	4214	4384	4043
50°	3644	3590	3590
55°	3423	3303	3363
60°	3513	3272	3444
65°	3871	3260	3790
70°	4532	3323	4431
75°	5856	3593	5656
80°	7240	3868	6744
85°	5730	3754	5335

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 7240 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	17.8	11.2
10°-20°	38.7	24.3
20°-30°	36.0	22.7
30°-40°	23.9	15.0
40°-50°	13.9	8.8
50°-60°	10.1	6.4
60°-70°	8.5	5.4
70°-80°	7.1	4.5
80°-90°	2.9	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
<b>0°-30°</b>	<b>92.5</b>	<b>58.2</b>
<b>0°-40°</b>	<b>116.4</b>	<b>73.2</b>
<b>0°-60°</b>	<b>140.4</b>	<b>88.3</b>
<b>0°-90°</b>	<b>159.0</b>	<b>100.0</b>
90°-120°	0.0	0.0
90°-150°	0.0	0.0
<b>90°-180°</b>	<b>0.0</b>	<b>0.0</b>
<b>0°-180°</b>	<b>159.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	202	202	202	202	202	
5°	194	194	193	193	193	18
15°	142	140	140	139	139	39
25°	80	79	77	77	79	37
35°	39	38	37	38	38	24
45°	17	18	18	17	17	14
55°	11	11	11	11	11	10
65°	10	8	8	8	9	9
75°	9	7	5	7	8	9
85°	3	3	2	3	3	3
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	201.6	201.6	201.6	201.6	201.6
1°	201.9	201.6	201.1	201.4	201.4
2°	200.9	200.7	200.4	200.4	200.4
3°	199.2	198.9	198.7	198.7	198.7
4°	196.8	196.5	196.5	196.3	196.3
5°	194.3	194.1	193.3	193.3	193.3
6°	190.9	190.7	190.2	189.9	189.9
7°	186.8	186.8	186.0	185.8	186.0
8°	182.4	182.1	181.7	181.4	181.4
9°	177.8	177.0	177.0	176.3	176.8
10°	172.4	171.9	171.4	170.9	170.7
11°	166.3	166.1	165.3	164.9	164.6
12°	161.2	160.0	159.5	158.8	159.3
13°	154.6	153.9	152.7	152.4	152.7
14°	149.0	147.6	146.6	146.1	145.9
15°	141.7	140.3	139.5	139.3	139.3
17.5°	125.4	124.4	122.5	122.5	122.5
20°	108.9	107.9	106.7	106.4	106.7
22.5°	94.5	92.8	90.8	91.1	92.5
25°	80.4	78.9	77.2	77.4	78.7
27.5°	68.4	66.5	64.8	65.3	66.0
30°	57.0	55.8	54.1	54.5	55.3
32.5°	47.2	46.5	44.6	45.0	45.8
35°	39.0	38.2	37.3	37.5	37.5
37.5°	31.2	31.2	30.9	30.7	30.4
40°	25.1	25.6	25.6	24.8	24.4
42.5°	20.5	20.9	21.4	20.5	19.7
45°	17.3	17.5	18.0	17.0	16.6
47.5°	15.1	15.1	15.6	14.9	14.6
50°	13.6	13.6	13.4	13.1	13.4
52.5°	12.4	12.2	11.9	12.2	12.2
55°	11.4	11.2	11.0	11.2	11.2
57.5°	10.7	10.5	10.2	10.2	10.5
60°	10.2	9.7	9.5	9.7	10.0
62.5°	9.7	9.0	8.8	9.0	9.5
65°	9.5	8.5	8.0	8.5	9.3
67.5°	9.3	8.0	7.3	8.0	9.0
70°	9.0	7.5	6.6	7.5	8.8
72.5°	8.8	7.1	6.1	7.1	8.8
75°	8.8	6.6	5.4	6.6	8.5
77.5°	8.3	6.1	4.6	6.1	8.0
80°	7.3	5.6	3.9	5.4	6.8
82.5°	5.4	4.9	2.9	4.6	5.1
85°	2.9	3.4	1.9	3.2	2.7
87.5°	0.5	0.7	0.5	1.5	1.0



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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)