

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: P1318899

Luminaire Tested: LDSQA3D05R159835DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1318899  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R159835DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 98CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

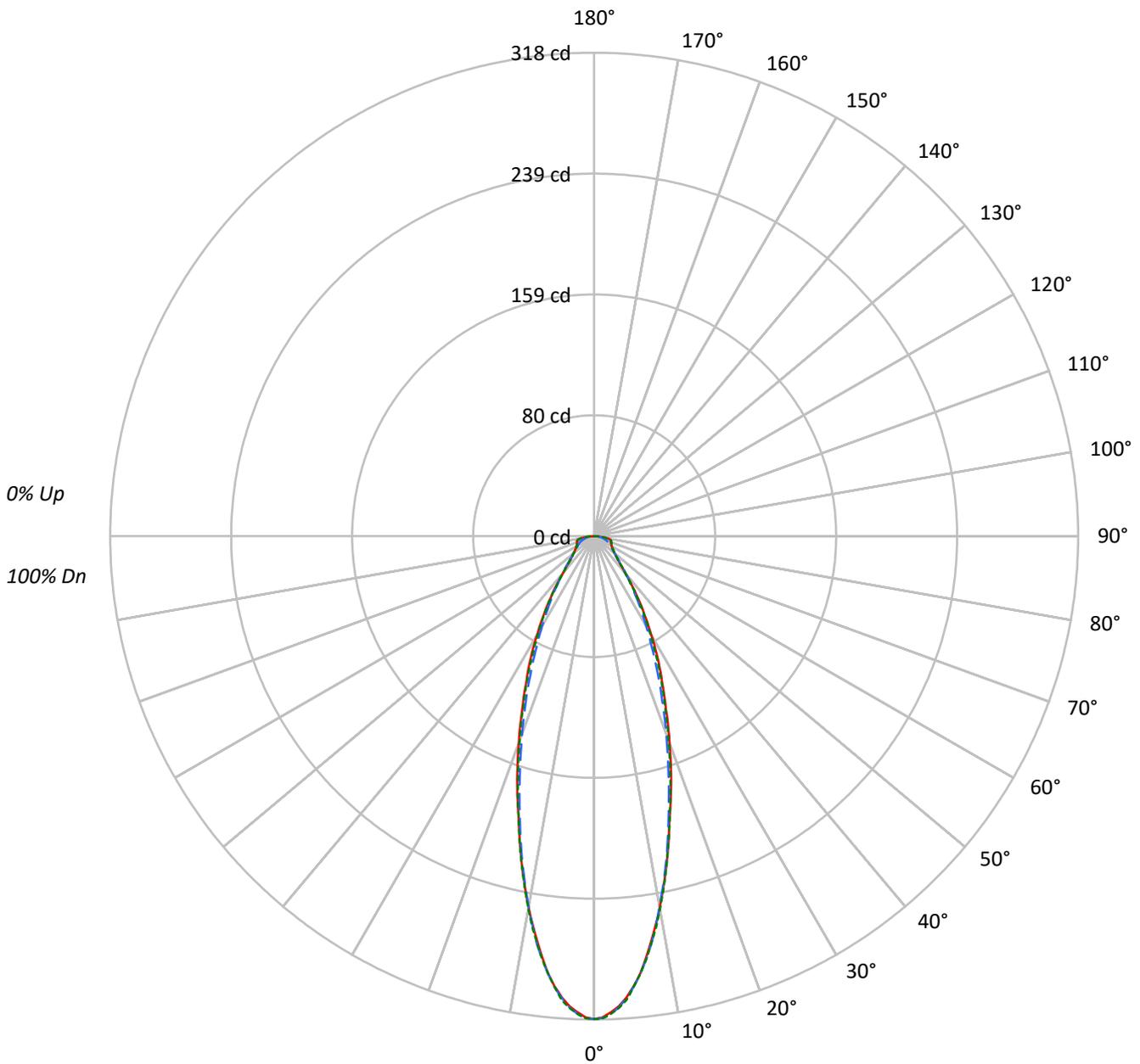
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 213.0 lumens  
Efficiency: N/A  
Efficacy: 29.6 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63  
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 (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



— 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	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	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	91	91	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	82	82	82	80
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	74	74	74	73
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	68	68	68	66
5	87	77	70	65	85	76	70	65	74	69	64	72	68	64	71	67	63	63	63	63	61
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	59	59	59	57
7	78	68	61	56	77	67	60	56	66	60	56	64	59	55	63	58	55	55	55	55	53
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	52	52	52	50
9	71	60	54	49	70	60	53	49	59	53	49	58	53	49	57	52	49	49	49	49	47
10	68	57	51	47	67	57	51	47	56	50	46	55	50	46	54	49	46	46	46	46	45

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

	0°	45°	90°
0°	54715	54715	54715
5°	51397	51467	51467
10°	43405	43283	43545
15°	34144	33663	34215
20°	26538	25329	26172
25°	20029	18642	19744
30°	14895	13583	14597
35°	10638	9903	10470
40°	7194	7284	7127
45°	5358	5651	5358
50°	4662	4662	4662
55°	4534	4294	4534
60°	4650	4271	4512
65°	5053	4401	5053
70°	6043	4482	6043
75°	7719	4591	7719
80°	9620	4959	9224
85°	7707	4545	8299

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 9620 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	26.8	12.6
10°-20°	53.0	24.9
20°-30°	46.8	22.0
30°-40°	30.8	14.4
40°-50°	18.0	8.4
50°-60°	13.2	6.2
60°-70°	11.3	5.3
70°-80°	9.3	4.4
80°-90°	3.9	1.8
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°	126.6	59.4
0°-40°	157.4	73.9
0°-60°	188.6	88.5
0°-90°	213.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	213.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	318	318	318	318	318	
5°	297	297	298	298	298	27
15°	192	192	189	191	192	54
25°	105	102	98	101	104	49
35°	51	49	47	48	50	32
45°	22	22	23	22	22	18
55°	15	15	14	15	15	14
65°	12	11	11	11	12	12
75°	12	8	7	9	12	12
85°	4	4	2	4	4	4
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	317.7	317.7	317.7	317.7	317.7
1°	316.6	317.0	317.0	317.3	317.3
2°	313.5	314.3	314.6	314.6	314.6
3°	309.6	310.0	310.4	310.8	310.8
4°	304.2	304.6	304.6	305.4	305.8
5°	297.3	297.3	297.7	298.0	297.7
6°	289.2	289.2	289.5	289.5	289.5
7°	279.5	279.9	280.3	280.7	280.3
8°	269.1	269.5	270.6	270.6	270.2
9°	258.7	259.0	259.0	260.2	260.2
10°	248.2	248.2	247.5	248.2	249.0
12.5°	220.1	219.7	218.5	219.7	220.4
15°	191.5	191.5	188.8	191.1	191.9
17.5°	168.3	164.8	162.1	164.5	166.4
20°	144.8	141.3	138.2	140.5	142.8
22.5°	123.5	120.8	117.0	119.3	122.0
25°	105.4	101.9	98.1	100.8	103.9
27.5°	90.3	85.7	81.8	84.9	87.6
30°	74.9	71.8	68.3	70.6	73.4
32.5°	61.8	59.5	56.8	58.7	61.0
35°	50.6	48.6	47.1	48.3	49.8
37.5°	40.5	39.8	39.0	39.4	39.4
40°	32.0	32.4	32.4	32.4	31.7
42.5°	26.3	26.6	27.4	26.6	26.3
45°	22.0	22.4	23.2	22.4	22.0
47.5°	19.3	19.7	20.1	19.3	19.3
50°	17.4	17.4	17.4	17.4	17.4
52.5°	16.2	15.8	15.8	15.8	16.2
55°	15.1	14.7	14.3	14.7	15.1
57.5°	13.9	13.5	13.1	13.5	13.9
60°	13.5	12.7	12.4	12.7	13.1
62.5°	12.7	12.0	11.6	12.0	12.7
65°	12.4	11.2	10.8	11.2	12.4
67.5°	12.0	10.4	9.7	10.4	12.0
70°	12.0	9.7	8.9	10.0	12.0
72.5°	11.6	9.3	7.7	9.3	11.6
75°	11.6	8.5	6.9	8.9	11.6
77.5°	10.8	7.7	5.8	8.1	10.8
80°	9.7	6.9	5.0	7.3	9.3
82.5°	6.9	5.8	3.9	5.8	6.9
85°	3.9	4.2	2.3	3.9	4.2
87.5°	0.4	1.2	0.8	2.3	1.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)