

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: P1310221

Luminaire Tested: LDSQA3D09R359035DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310221  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R359035DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

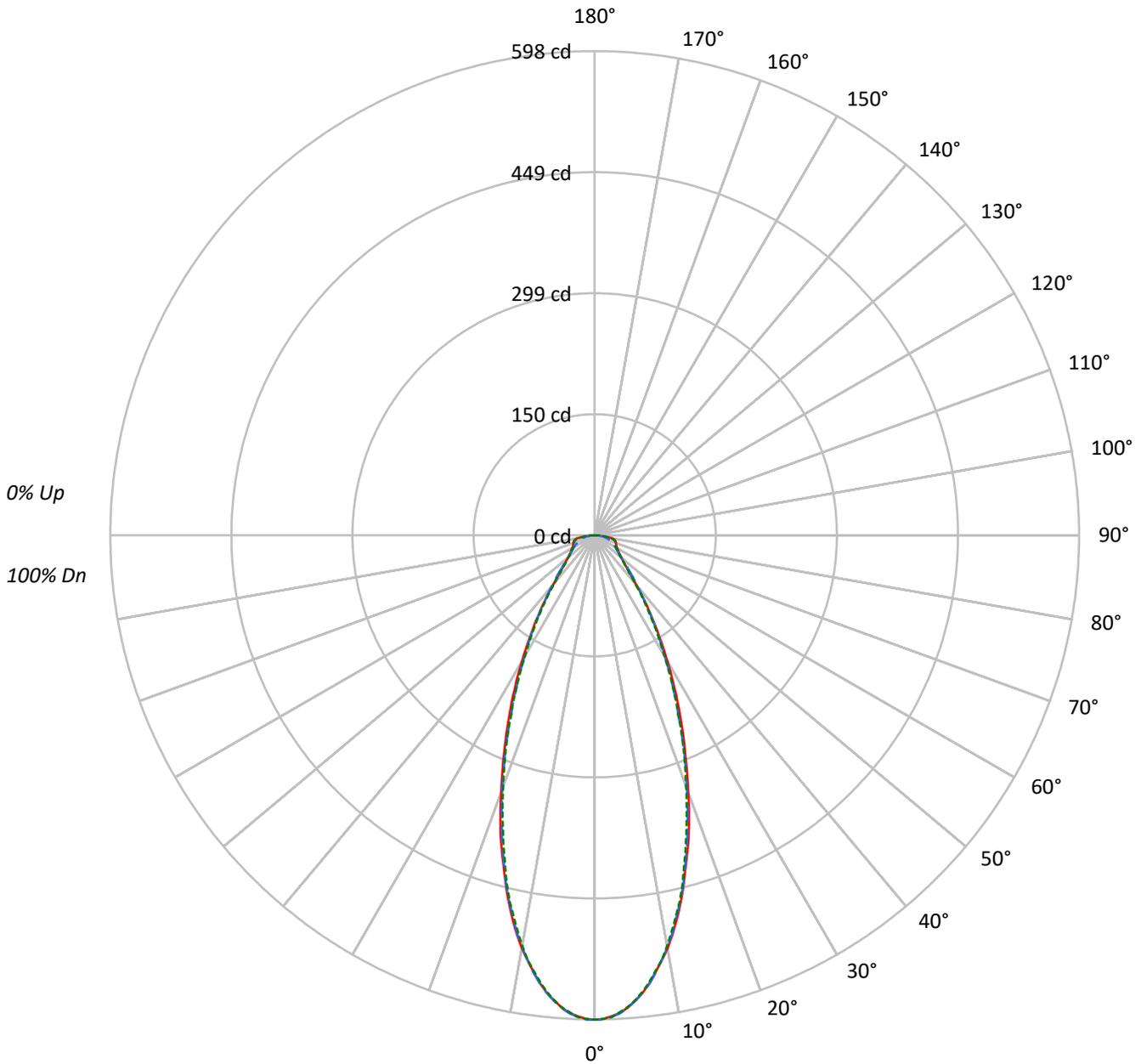
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 495.0 lumens  
Efficiency: N/A  
Efficacy: 44.6 lumens/watt  
Spacing Criteria (0/90/45): 0.69 / 0.68 / 0.73  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
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% Up  
100% Dn

— 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	102	102	100
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	91	91	89
2	104	98	92	88	101	96	91	87	92	88	85	89	86	83	86	84	81	81	81	79
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	74	74	72
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	67	67	65
5	86	76	69	64	84	75	69	64	73	68	63	72	67	63	70	65	62	62	62	60
6	82	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	57	57	57	56
7	77	66	60	55	76	66	59	54	64	58	54	63	58	54	62	57	54	54	54	52
8	73	62	56	51	72	62	55	51	61	55	51	60	54	50	59	54	50	50	50	49
9	70	59	52	48	68	58	52	48	57	52	47	56	51	47	55	51	47	47	47	46
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	44	44	43

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

	0°	45°	90°
0°	103041	103041	103041
5°	99648	99787	99648
10°	90535	90395	89993
15°	76846	76579	75901
20°	61874	61031	60481
25°	47830	46386	46386
30°	35657	34463	34165
35°	25671	25356	24704
40°	17963	18458	17289
45°	13396	14126	13030
50°	11494	11494	11307
55°	10869	10419	10629
60°	11160	10127	10643
65°	11981	10147	11655
70°	14049	10625	13646
75°	17567	11046	17035
80°	22414	12001	20133
85°	17784	11856	17784

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 22414 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	53.1	10.7
10°-20°	118.6	24.0
20°-30°	113.2	22.9
30°-40°	76.1	15.4
40°-50°	44.7	9.0
50°-60°	31.9	6.5
60°-70°	26.6	5.4
70°-80°	21.8	4.4
80°-90°	9.0	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°	285.0	57.6
0°-40°	361.0	72.9
0°-60°	437.6	88.4
0°-90°	495.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	495.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	598	598	598	598	598	
5°	576	578	577	576	576	53
15°	431	432	430	426	426	119
25°	252	249	244	244	244	115
35°	122	122	121	118	118	77
45°	55	56	58	55	54	44
55°	36	35	35	35	35	33
65°	29	26	25	26	29	29
75°	26	20	17	20	26	27
85°	9	10	6	10	9	10
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	598.3	598.3	598.3	598.3	598.3
1°	597.5	598.3	598.3	597.5	597.5
2°	594.5	596.0	595.3	594.5	595.3
3°	590.7	592.3	591.5	590.7	590.0
4°	584.7	586.2	585.5	584.0	584.0
5°	576.4	577.9	577.2	576.4	576.4
6°	568.1	569.6	568.1	566.6	566.6
7°	556.8	559.1	557.6	556.1	555.3
8°	544.0	546.3	544.8	544.0	542.5
9°	531.2	532.7	530.5	530.5	530.5
10°	517.7	518.4	516.9	514.6	514.6
11°	502.6	501.8	501.1	499.6	498.1
12°	486.0	486.0	483.7	482.2	481.5
13°	468.7	467.9	466.4	464.9	464.9
14°	450.6	450.6	449.1	446.1	446.8
15°	431.0	431.8	429.5	426.5	425.7
17.5°	386.5	385.0	381.3	379.0	376.8
20°	337.6	336.8	333.0	330.8	330.0
22.5°	292.4	291.6	287.8	285.6	287.1
25°	251.7	248.7	244.1	244.1	244.1
27.5°	214.0	210.2	207.2	205.7	207.2
30°	179.3	176.3	173.3	172.6	171.8
32.5°	148.4	146.9	145.4	143.2	143.2
35°	122.1	122.1	120.6	118.3	117.5
37.5°	99.5	100.2	99.5	97.2	96.4
40°	79.9	81.4	82.1	79.9	76.9
42.5°	65.6	67.8	69.3	65.6	63.3
45°	55.0	56.5	58.0	55.0	53.5
47.5°	48.2	49.0	49.7	47.5	46.7
50°	42.9	42.9	42.9	42.2	42.2
52.5°	39.2	39.2	38.4	37.7	37.7
55°	36.2	35.4	34.7	34.7	35.4
57.5°	33.9	33.2	31.6	32.4	33.2
60°	32.4	30.9	29.4	30.1	30.9
62.5°	30.1	28.6	27.1	27.9	29.4
65°	29.4	26.4	24.9	26.4	28.6
67.5°	28.6	24.9	22.6	24.9	27.9
70°	27.9	23.4	21.1	23.4	27.1
72.5°	27.1	21.9	18.8	21.9	26.4
75°	26.4	20.3	16.6	20.3	25.6
77.5°	24.9	18.8	14.3	18.8	23.4
80°	22.6	17.3	12.1	16.6	20.3
82.5°	16.6	14.3	9.8	14.3	15.1
85°	9.0	9.8	6.0	9.8	9.0
87.5°	0.8	1.5	1.5	4.5	3.0



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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)