

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: P1312416

Luminaire Tested: LDSQA3D09R359050DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1312416  
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: LDSQA3D09R359050DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 5000K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

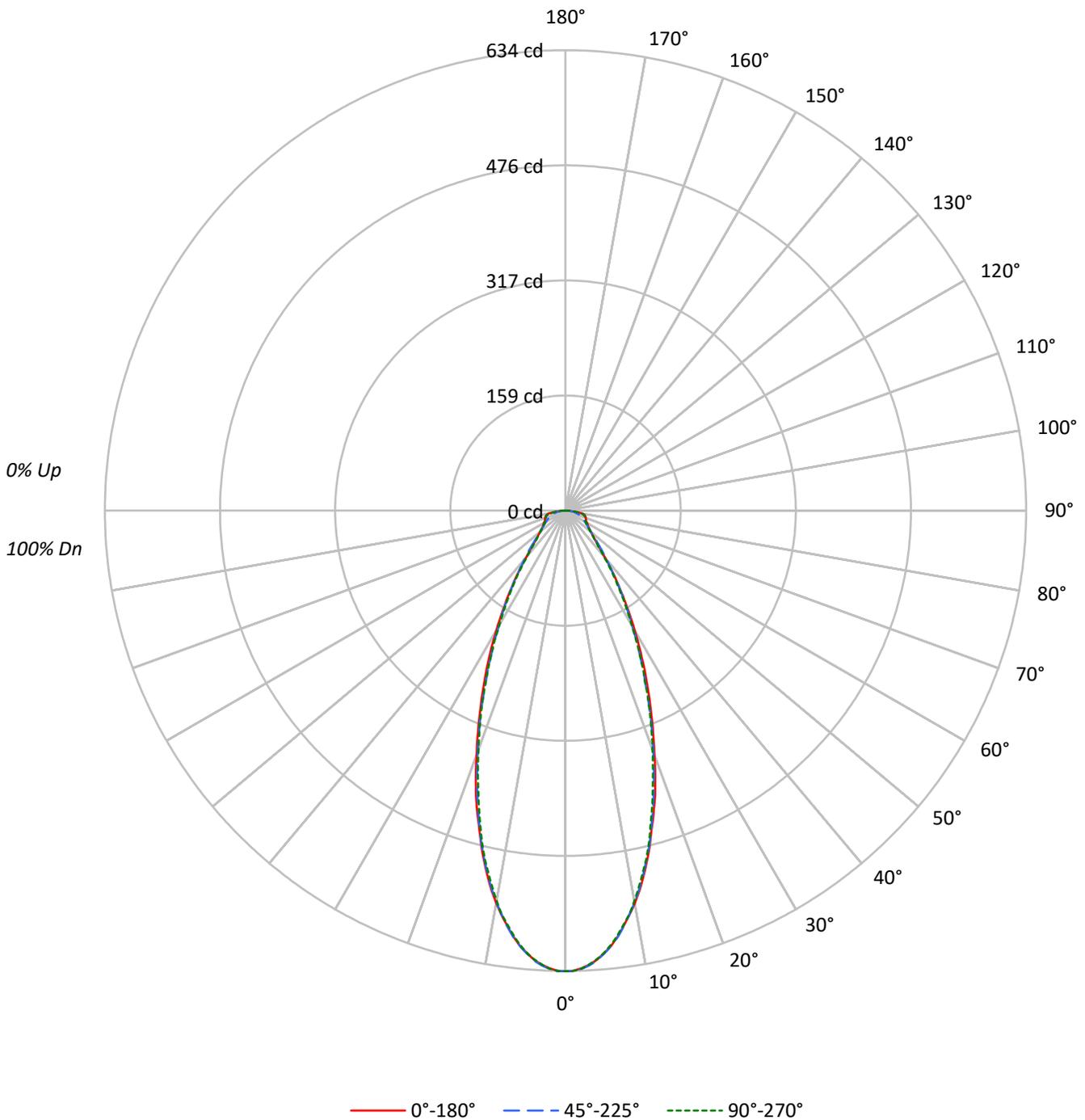
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 525.1 lumens  
Efficiency: N/A  
Efficacy: 47.3 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





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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	101	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	82	78	75	80	77	74	74	74	74	72
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	67	67	67	65
5	86	76	69	64	84	75	69	64	73	68	63	72	67	63	70	65	62	62	62	62	60
6	82	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	57	57	57	57	56
7	77	66	60	55	76	66	59	54	64	58	54	63	58	54	62	57	54	54	54	54	52
8	73	62	56	51	72	62	55	51	61	55	51	60	54	50	59	54	50	50	50	50	49
9	70	59	52	48	68	58	52	48	57	52	47	56	51	47	55	51	47	47	47	47	46
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	44	44	44	43

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

	0°	45°	90°
0°	109275	109275	109275
5°	105699	105837	105699
10°	96009	95869	95449
15°	81500	81215	80502
20°	65613	64733	64146
25°	50718	49198	49198
30°	37824	36551	36233
35°	27227	26890	26218
40°	19042	19582	18323
45°	14200	14979	13810
50°	12218	12218	12003
55°	11530	11050	11290
60°	11849	10747	11298
65°	12714	10758	12388
70°	14905	11279	14502
75°	18632	11711	18099
80°	23803	12695	21423
85°	18970	12647	18970

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 23803 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	56.4	10.7
10°-20°	125.8	24.0
20°-30°	120.1	22.9
30°-40°	80.7	15.4
40°-50°	47.3	9.0
50°-60°	33.9	6.5
60°-70°	28.2	5.4
70°-80°	23.1	4.4
80°-90°	9.5	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°	302.2	57.6
0°-40°	382.9	72.9
0°-60°	464.2	88.4
0°-90°	525.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	525.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	634	634	634	634	634	
5°	611	613	612	611	611	56
15°	457	458	456	452	452	127
25°	267	264	259	259	259	122
35°	130	130	128	126	125	82
45°	58	60	62	58	57	47
55°	38	38	37	37	38	35
65°	31	28	26	28	30	31
75°	28	22	18	22	27	29
85°	10	10	6	10	10	11
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	634.5	634.5	634.5	634.5	634.5
1°	633.7	634.5	634.5	633.7	633.7
2°	630.5	632.1	631.3	630.5	631.3
3°	626.5	628.1	627.3	626.5	625.8
4°	620.2	621.8	621.0	619.4	619.4
5°	611.4	613.0	612.2	611.4	611.4
6°	602.6	604.2	602.6	601.0	601.0
7°	590.6	593.0	591.4	589.8	589.0
8°	577.0	579.4	577.8	577.0	575.4
9°	563.4	565.0	562.6	562.6	562.6
10°	549.0	549.8	548.2	545.8	545.8
11°	533.0	532.2	531.4	529.8	528.3
12°	515.5	515.5	513.1	511.5	510.7
13°	497.1	496.3	494.7	493.1	493.1
14°	477.9	477.9	476.3	473.1	473.9
15°	457.1	457.9	455.5	452.3	451.5
17.5°	410.0	408.4	404.4	402.0	399.6
20°	358.0	357.2	353.2	350.8	350.0
22.5°	310.1	309.3	305.3	302.9	304.5
25°	266.9	263.7	258.9	258.9	258.9
27.5°	227.0	223.0	219.8	218.2	219.8
30°	190.2	187.0	183.8	183.0	182.2
32.5°	157.4	155.8	154.2	151.8	151.8
35°	129.5	129.5	127.9	125.5	124.7
37.5°	105.5	106.3	105.5	103.1	102.3
40°	84.7	86.3	87.1	84.7	81.5
42.5°	69.5	71.9	73.5	69.5	67.1
45°	58.3	59.9	61.5	58.3	56.7
47.5°	51.1	51.9	52.7	50.3	49.5
50°	45.6	45.6	45.6	44.8	44.8
52.5°	41.6	41.6	40.8	40.0	40.0
55°	38.4	37.6	36.8	36.8	37.6
57.5°	36.0	35.2	33.6	34.4	35.2
60°	34.4	32.8	31.2	32.0	32.8
62.5°	32.0	30.4	28.8	29.6	31.2
65°	31.2	28.0	26.4	28.0	30.4
67.5°	30.4	26.4	24.0	26.4	29.6
70°	29.6	24.8	22.4	24.8	28.8
72.5°	28.8	23.2	20.0	23.2	28.0
75°	28.0	21.6	17.6	21.6	27.2
77.5°	26.4	20.0	15.2	20.0	24.8
80°	24.0	18.4	12.8	17.6	21.6
82.5°	17.6	15.2	10.4	15.2	16.0
85°	9.6	10.4	6.4	10.4	9.6
87.5°	0.8	1.6	1.6	4.8	3.2



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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)