

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: P1307919

Luminaire Tested: LDSQA3D09R159027DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307919  
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: LDSQA3D09R159027DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

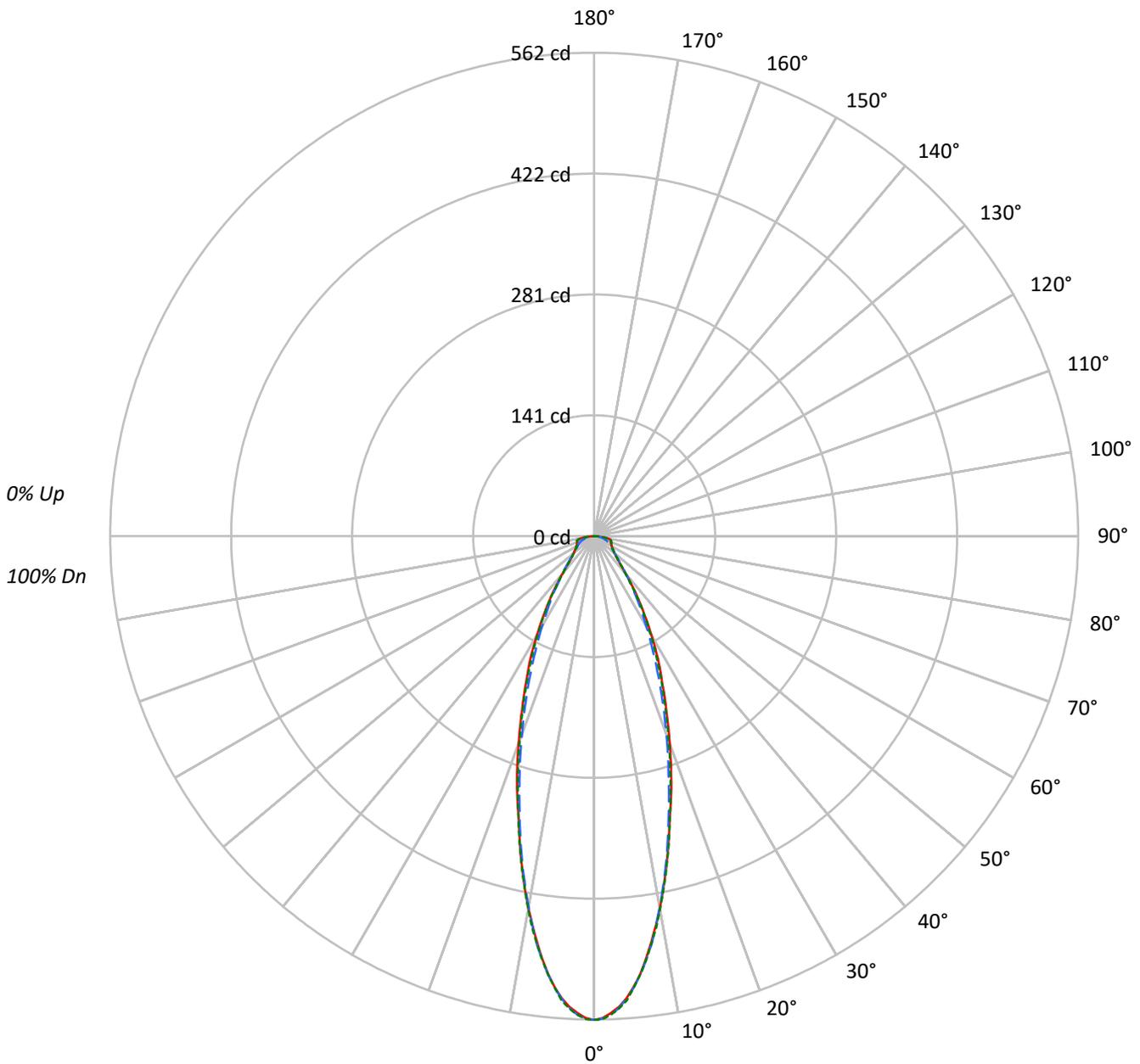
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 376.9 lumens  
Efficiency: N/A  
Efficacy: 34.0 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): 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				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	73	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	61	56	66	60	56	64	59	55	63	59	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	54	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°	96858	96858	96858
5°	90970	91073	91073
10°	76842	76597	77069
15°	60425	59569	60550
20°	46955	44829	46332
25°	35440	32989	34927
30°	26370	24043	25813
35°	18817	17534	18523
40°	12747	12905	12590
45°	9474	9986	9474
50°	8225	8225	8225
55°	7987	7597	7987
60°	8232	7543	7991
65°	8925	7784	8925
70°	10675	7906	10675
75°	13641	8185	13641
80°	16960	8827	16265
85°	13437	8102	14820

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 16960 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	47.4	12.6
10°-20°	93.8	24.9
20°-30°	82.9	22.0
30°-40°	54.4	14.4
40°-50°	31.8	8.4
50°-60°	23.4	6.2
60°-70°	20.0	5.3
70°-80°	16.5	4.4
80°-90°	6.8	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°	224.1	59.4
0°-40°	278.5	73.9
0°-60°	333.7	88.5
0°-90°	376.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	376.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	562	562	562	562	562	
5°	526	526	527	528	527	47
15°	339	339	334	338	340	95
25°	186	180	174	178	184	86
35°	90	86	83	85	88	56
45°	39	40	41	40	39	31
55°	27	26	25	26	27	24
65°	22	20	19	20	22	22
75°	20	15	12	16	20	21
85°	7	8	4	7	8	8
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	562.4	562.4	562.4	562.4	562.4
1°	560.3	561.0	561.0	561.7	561.7
2°	554.9	556.2	556.9	556.9	556.9
3°	548.0	548.7	549.4	550.1	550.1
4°	538.5	539.1	539.1	540.5	541.2
5°	526.2	526.2	526.8	527.5	526.8
6°	511.8	511.8	512.5	512.5	512.5
7°	494.7	495.4	496.1	496.8	496.1
8°	476.3	477.0	479.0	479.0	478.3
9°	457.8	458.5	458.5	460.6	460.6
10°	439.4	439.4	438.0	439.4	440.7
12.5°	389.5	388.8	386.8	388.8	390.2
15°	338.9	338.9	334.1	338.2	339.6
17.5°	297.9	291.8	287.0	291.1	294.5
20°	256.2	250.1	244.6	248.7	252.8
22.5°	218.7	213.9	207.0	211.1	215.9
25°	186.5	180.4	173.6	178.3	183.8
27.5°	159.9	151.7	144.9	150.3	155.1
30°	132.6	127.1	120.9	125.0	129.8
32.5°	109.3	105.2	100.4	103.9	108.0
35°	89.5	86.1	83.4	85.4	88.1
37.5°	71.7	70.4	69.0	69.7	69.7
40°	56.7	57.4	57.4	57.4	56.0
42.5°	46.5	47.1	48.5	47.1	46.5
45°	38.9	39.6	41.0	39.6	38.9
47.5°	34.2	34.8	35.5	34.2	34.2
50°	30.7	30.7	30.7	30.7	30.7
52.5°	28.7	28.0	28.0	28.0	28.7
55°	26.6	26.0	25.3	26.0	26.6
57.5°	24.6	23.9	23.2	23.9	24.6
60°	23.9	22.5	21.9	22.5	23.2
62.5°	22.5	21.2	20.5	21.2	22.5
65°	21.9	19.8	19.1	19.8	21.9
67.5°	21.2	18.4	17.1	18.4	21.2
70°	21.2	17.1	15.7	17.8	21.2
72.5°	20.5	16.4	13.7	16.4	20.5
75°	20.5	15.0	12.3	15.7	20.5
77.5°	19.1	13.7	10.2	14.3	19.1
80°	17.1	12.3	8.9	13.0	16.4
82.5°	12.3	10.2	6.8	10.2	12.3
85°	6.8	7.5	4.1	6.8	7.5
87.5°	0.7	2.0	1.4	4.1	3.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)