

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: P1320067

Luminaire Tested: LDSQA3D13R159840DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1320067  
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: LDSQA3D13R159840DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 98CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

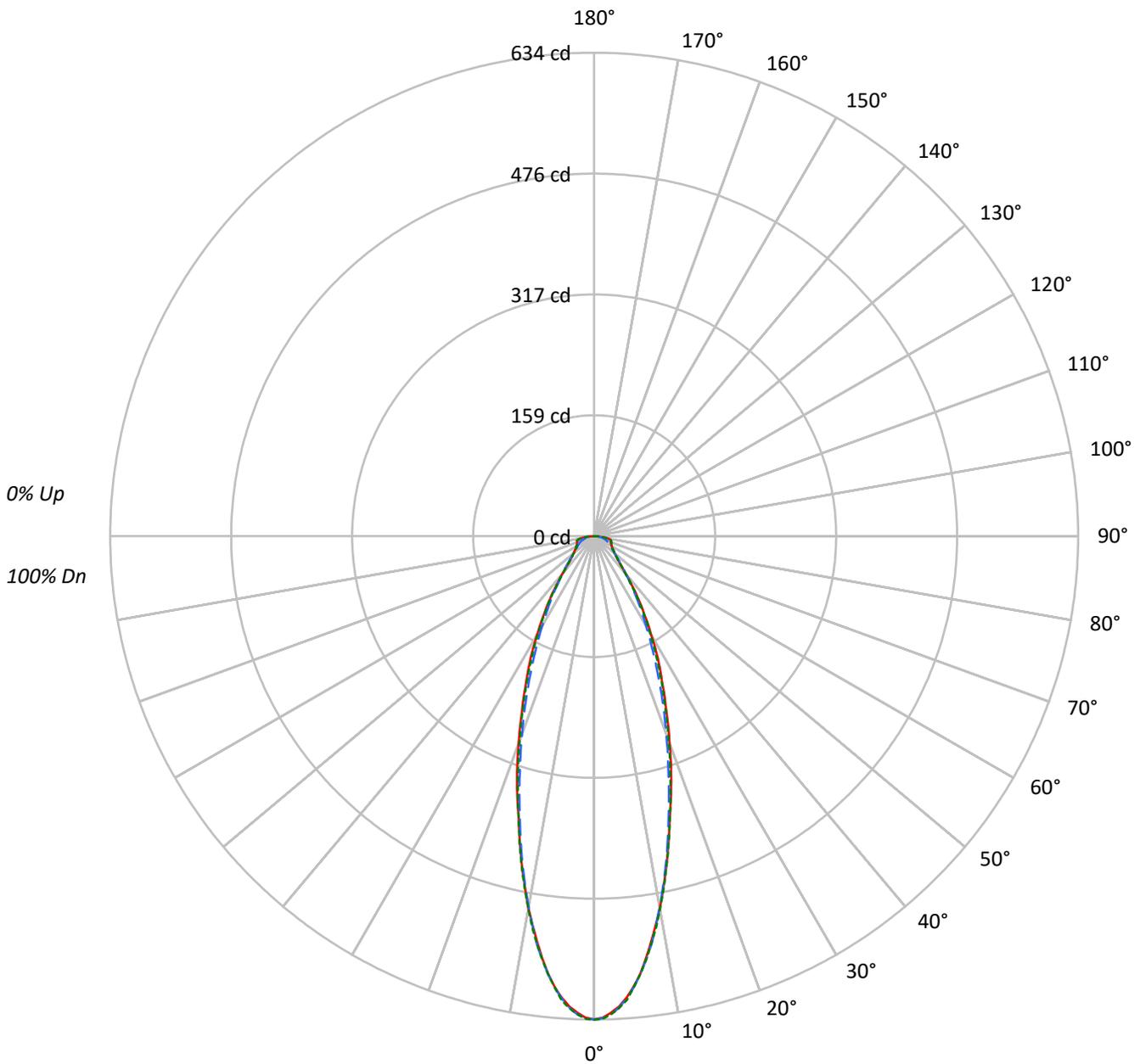
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 425.0 lumens  
Efficiency: N/A  
Efficacy: 29.3 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): 14.5  
Input Voltage (V): NR  
Input Current (Ain): 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				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°	109189	109189	109189
5°	102535	102674	102674
10°	86618	86355	86898
15°	68128	67165	68252
20°	52948	50547	52234
25°	39963	37188	39374
30°	29711	27105	29114
35°	21214	19763	20898
40°	14366	14546	14209
45°	10692	11252	10692
50°	9297	9297	9297
55°	9008	8557	9008
60°	9300	8508	9024
65°	10066	8802	10066
70°	12035	8913	12035
75°	15371	9249	15371
80°	19142	9918	18348
85°	15215	9090	16796

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 19142 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	53.5	12.6
10°-20°	105.7	24.9
20°-30°	93.4	22.0
30°-40°	61.4	14.4
40°-50°	35.9	8.4
50°-60°	26.4	6.2
60°-70°	22.5	5.3
70°-80°	18.6	4.4
80°-90°	7.7	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°	252.6	59.4
0°-40°	314.0	73.9
0°-60°	376.3	88.5
0°-90°	425.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	425.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	634	634	634	634	634	
5°	593	593	594	595	594	53
15°	382	382	377	381	383	107
25°	210	203	196	201	207	97
35°	101	97	94	96	99	64
45°	44	45	46	45	44	35
55°	30	29	28	29	30	27
65°	25	22	22	22	25	25
75°	23	17	14	18	23	24
85°	8	8	5	8	8	9
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	634.0	634.0	634.0	634.0	634.0
1°	631.7	632.4	632.4	633.2	633.2
2°	625.5	627.0	627.8	627.8	627.8
3°	617.8	618.6	619.3	620.1	620.1
4°	607.0	607.8	607.8	609.3	610.1
5°	593.1	593.1	593.9	594.7	593.9
6°	577.0	577.0	577.7	577.7	577.7
7°	557.7	558.5	559.3	560.0	559.3
8°	536.9	537.7	540.0	540.0	539.2
9°	516.1	516.9	516.9	519.2	519.2
10°	495.3	495.3	493.8	495.3	496.9
12.5°	439.1	438.3	436.0	438.3	439.9
15°	382.1	382.1	376.7	381.3	382.8
17.5°	335.9	328.9	323.5	328.2	332.0
20°	288.9	281.9	275.8	280.4	285.0
22.5°	246.5	241.1	233.4	238.0	243.4
25°	210.3	203.4	195.7	201.1	207.2
27.5°	180.3	171.0	163.3	169.5	174.9
30°	149.4	143.3	136.3	141.0	146.4
32.5°	123.3	118.6	113.2	117.1	121.7
35°	100.9	97.1	94.0	96.3	99.4
37.5°	80.9	79.3	77.8	78.6	78.6
40°	63.9	64.7	64.7	64.7	63.2
42.5°	52.4	53.2	54.7	53.2	52.4
45°	43.9	44.7	46.2	44.7	43.9
47.5°	38.5	39.3	40.1	38.5	38.5
50°	34.7	34.7	34.7	34.7	34.7
52.5°	32.4	31.6	31.6	31.6	32.4
55°	30.0	29.3	28.5	29.3	30.0
57.5°	27.7	27.0	26.2	27.0	27.7
60°	27.0	25.4	24.7	25.4	26.2
62.5°	25.4	23.9	23.1	23.9	25.4
65°	24.7	22.3	21.6	22.3	24.7
67.5°	23.9	20.8	19.3	20.8	23.9
70°	23.9	19.3	17.7	20.0	23.9
72.5°	23.1	18.5	15.4	18.5	23.1
75°	23.1	16.9	13.9	17.7	23.1
77.5°	21.6	15.4	11.6	16.2	21.6
80°	19.3	13.9	10.0	14.6	18.5
82.5°	13.9	11.6	7.7	11.6	13.9
85°	7.7	8.5	4.6	7.7	8.5
87.5°	0.8	2.3	1.5	4.6	3.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)