

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: P1317147

Luminaire Tested: LDSQA3D05R159827DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317147  
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: LDSQA3D05R159827DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 98CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

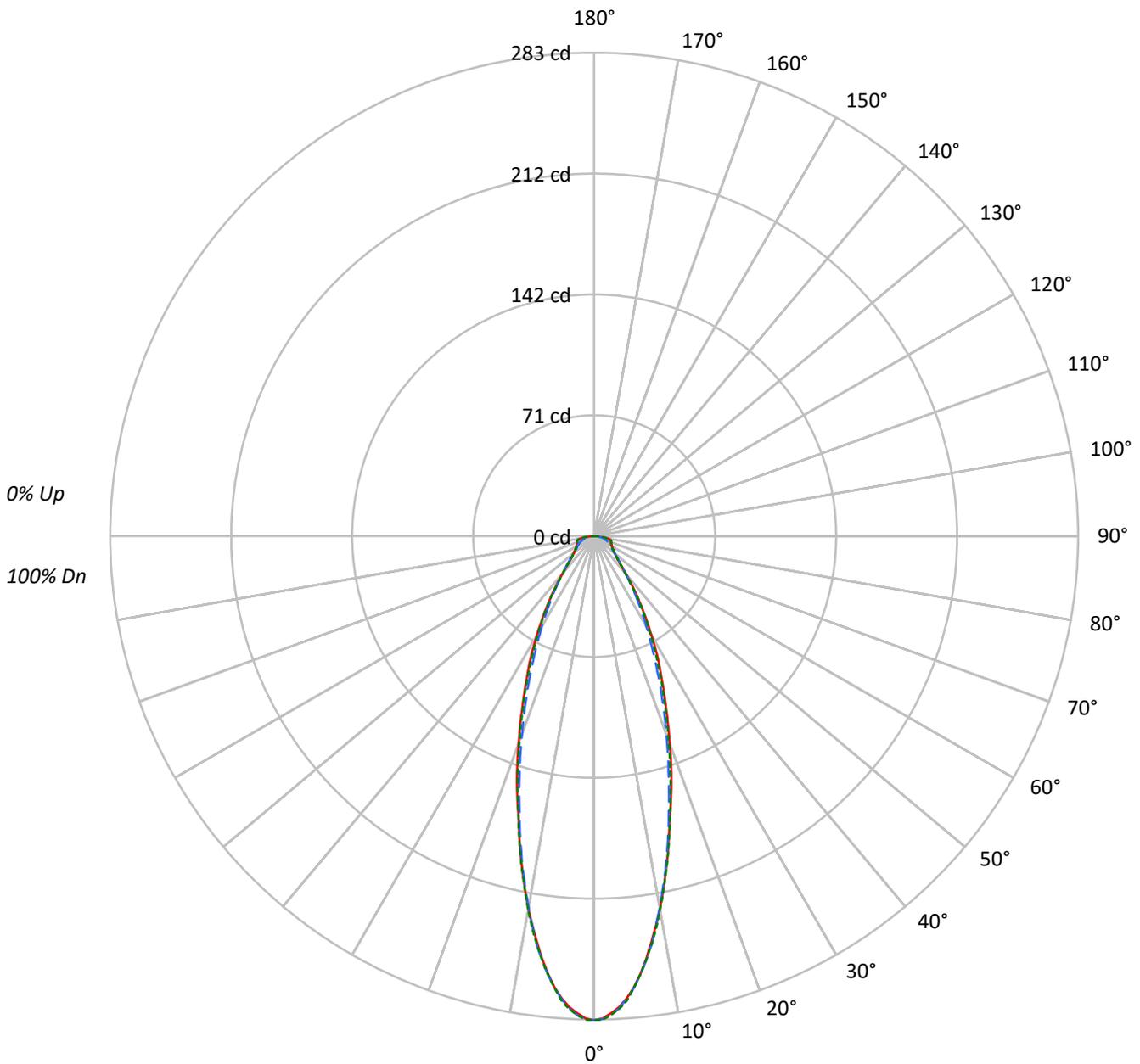
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 190.0 lumens  
Efficiency: N/A  
Efficacy: 26.4 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				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°	48808	48808	48808
5°	45848	45900	45900
10°	38718	38596	38841
15°	30453	30025	30525
20°	23661	22598	23349
25°	17863	16627	17596
30°	13284	12131	13006
35°	9482	8830	9335
40°	6430	6497	6340
45°	4774	5042	4774
50°	4153	4153	4153
55°	4023	3813	4023
60°	4168	3789	4030
65°	4483	3912	4483
70°	5388	3978	5388
75°	6854	4126	6854
80°	8529	4463	8232
85°	6719	4150	7509

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 8529 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	23.9	12.6
10°-20°	47.3	24.9
20°-30°	41.8	22.0
30°-40°	27.4	14.4
40°-50°	16.0	8.4
50°-60°	11.8	6.2
60°-70°	10.1	5.3
70°-80°	8.3	4.4
80°-90°	3.4	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°	112.9	59.4
0°-40°	140.4	73.9
0°-60°	168.2	88.5
0°-90°	190.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	190.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	283	283	283	283	283	
5°	265	265	266	266	266	24
15°	171	171	168	170	171	48
25°	94	91	88	90	93	43
35°	45	43	42	43	44	28
45°	20	20	21	20	20	16
55°	13	13	13	13	13	12
65°	11	10	10	10	11	11
75°	10	8	6	8	10	11
85°	3	4	2	3	4	4
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	283.4	283.4	283.4	283.4	283.4
1°	282.4	282.7	282.7	283.1	283.1
2°	279.6	280.3	280.7	280.7	280.7
3°	276.2	276.5	276.9	277.2	277.2
4°	271.4	271.7	271.7	272.4	272.7
5°	265.2	265.2	265.5	265.9	265.5
6°	257.9	257.9	258.3	258.3	258.3
7°	249.3	249.7	250.0	250.4	250.0
8°	240.0	240.4	241.4	241.4	241.1
9°	230.7	231.1	231.1	232.1	232.1
10°	221.4	221.4	220.7	221.4	222.1
12.5°	196.3	196.0	194.9	196.0	196.6
15°	170.8	170.8	168.4	170.5	171.2
17.5°	150.1	147.0	144.6	146.7	148.4
20°	129.1	126.0	123.3	125.4	127.4
22.5°	110.2	107.8	104.3	106.4	108.8
25°	94.0	90.9	87.5	89.9	92.6
27.5°	80.6	76.5	73.0	75.8	78.2
30°	66.8	64.1	61.0	63.0	65.4
32.5°	55.1	53.0	50.6	52.3	54.4
35°	45.1	43.4	42.0	43.0	44.4
37.5°	36.2	35.5	34.8	35.1	35.1
40°	28.6	28.9	28.9	28.9	28.2
42.5°	23.4	23.8	24.5	23.8	23.4
45°	19.6	20.0	20.7	20.0	19.6
47.5°	17.2	17.6	17.9	17.2	17.2
50°	15.5	15.5	15.5	15.5	15.5
52.5°	14.5	14.1	14.1	14.1	14.5
55°	13.4	13.1	12.7	13.1	13.4
57.5°	12.4	12.1	11.7	12.1	12.4
60°	12.1	11.4	11.0	11.4	11.7
62.5°	11.4	10.7	10.3	10.7	11.4
65°	11.0	10.0	9.6	10.0	11.0
67.5°	10.7	9.3	8.6	9.3	10.7
70°	10.7	8.6	7.9	9.0	10.7
72.5°	10.3	8.3	6.9	8.3	10.3
75°	10.3	7.6	6.2	7.9	10.3
77.5°	9.6	6.9	5.2	7.2	9.6
80°	8.6	6.2	4.5	6.5	8.3
82.5°	6.2	5.2	3.4	5.2	6.2
85°	3.4	3.8	2.1	3.4	3.8
87.5°	0.3	1.0	0.7	2.1	1.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)