

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: P1316698

Luminaire Tested: LDSQA3D17R159740DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316698  
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: LDSQA3D17R159740DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 97CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

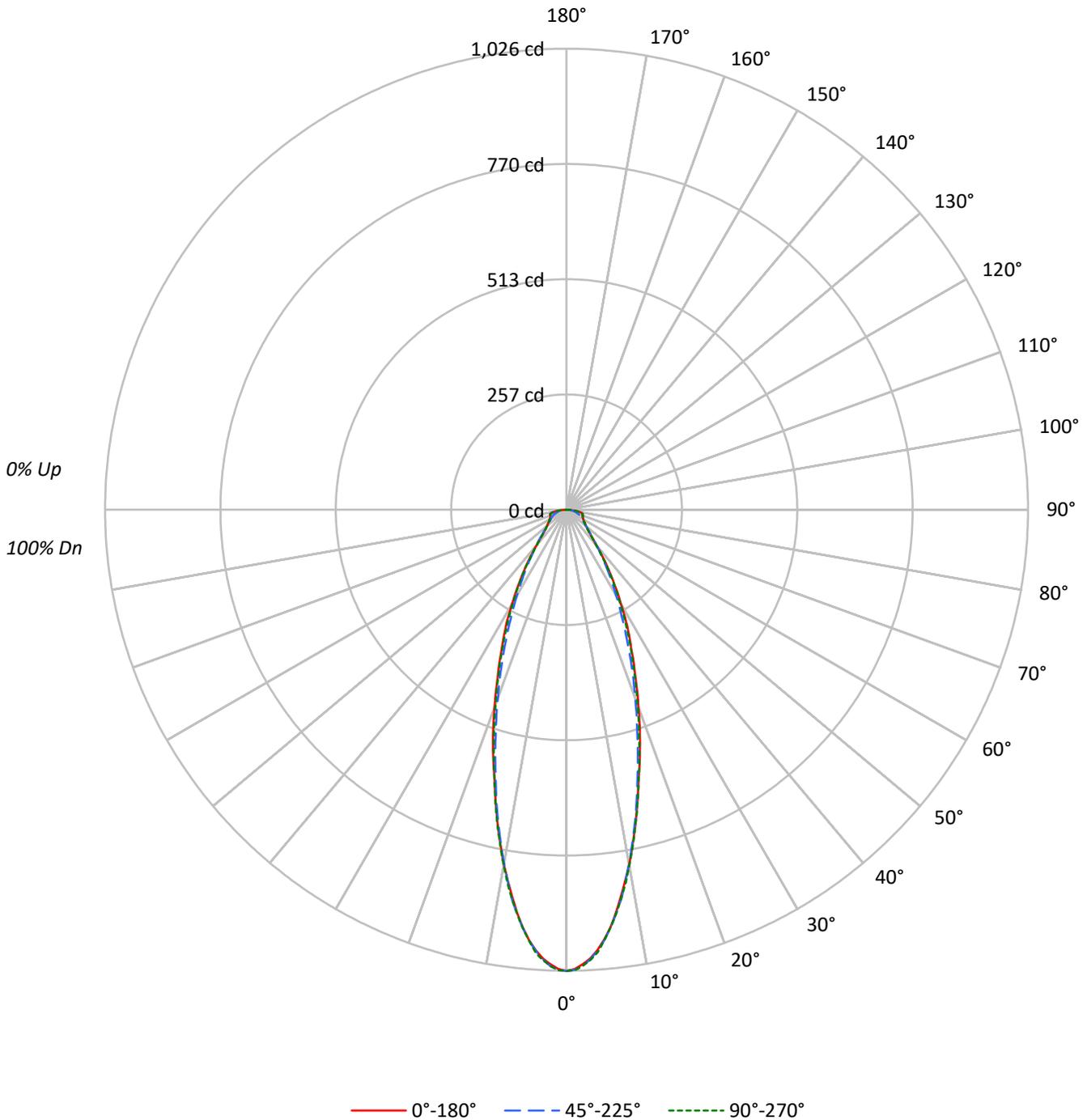
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 688.0 lumens  
Efficiency: N/A  
Efficacy: 32.5 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): 21.2  
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





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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	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	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°	176752	176752	176752
5°	166000	166207	166207
10°	140218	139781	140656
15°	110277	108726	110509
20°	85700	81814	84563
25°	64685	60181	63735
30°	48106	43890	47111
35°	34354	31978	33828
40°	23269	23539	22999
45°	17317	18218	17317
50°	15031	15031	15031
55°	14593	13842	14593
60°	15018	13743	14604
65°	16260	14222	16260
70°	19487	14452	19487
75°	24887	14905	24887
80°	30944	16067	29655
85°	24700	14820	27072

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 30944 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.6	12.6
10°-20°	171.1	24.9
20°-30°	151.2	22.0
30°-40°	99.3	14.4
40°-50°	58.1	8.4
50°-60°	42.7	6.2
60°-70°	36.5	5.3
70°-80°	30.0	4.4
80°-90°	12.4	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
<b>0°-30°</b>	<b>408.9</b>	<b>59.4</b>
<b>0°-40°</b>	<b>508.2</b>	<b>73.9</b>
<b>0°-60°</b>	<b>609.0</b>	<b>88.5</b>
<b>0°-90°</b>	<b>688.0</b>	<b>100.0</b>
90°-120°	0.0	0.0
90°-150°	0.0	0.0
<b>90°-180°</b>	<b>0.0</b>	<b>0.0</b>
<b>0°-180°</b>	<b>688.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1026	1026	1026	1026	1026	
5°	960	960	961	963	961	86
15°	618	618	610	617	620	173
25°	340	329	317	326	335	157
35°	163	157	152	156	161	103
45°	71	72	75	72	71	57
55°	49	47	46	47	49	44
65°	40	36	35	36	40	40
75°	37	27	22	29	37	38
85°	12	14	8	12	14	14
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1026.3	1026.3	1026.3	1026.3	1026.3
1°	1022.5	1023.8	1023.8	1025.0	1025.0
2°	1012.6	1015.1	1016.3	1016.3	1016.3
3°	1000.1	1001.3	1002.6	1003.8	1003.8
4°	982.6	983.9	983.9	986.4	987.6
5°	960.2	960.2	961.4	962.7	961.4
6°	934.0	934.0	935.3	935.3	935.3
7°	902.8	904.1	905.3	906.6	905.3
8°	869.2	870.4	874.2	874.2	872.9
9°	835.5	836.7	836.7	840.5	840.5
10°	801.8	801.8	799.3	801.8	804.3
12.5°	710.8	709.5	705.8	709.5	712.0
15°	618.5	618.5	609.8	617.3	619.8
17.5°	543.7	532.5	523.7	531.2	537.5
20°	467.6	456.4	446.4	453.9	461.4
22.5°	399.0	390.3	377.8	385.3	394.1
25°	340.4	329.2	316.7	325.5	335.4
27.5°	291.8	276.8	264.4	274.3	283.1
30°	241.9	231.9	220.7	228.2	236.9
32.5°	199.5	192.0	183.3	189.5	197.0
35°	163.4	157.1	152.1	155.9	160.9
37.5°	130.9	128.4	125.9	127.2	127.2
40°	103.5	104.7	104.7	104.7	102.3
42.5°	84.8	86.0	88.5	86.0	84.8
45°	71.1	72.3	74.8	72.3	71.1
47.5°	62.4	63.6	64.8	62.4	62.4
50°	56.1	56.1	56.1	56.1	56.1
52.5°	52.4	51.1	51.1	51.1	52.4
55°	48.6	47.4	46.1	47.4	48.6
57.5°	44.9	43.6	42.4	43.6	44.9
60°	43.6	41.2	39.9	41.2	42.4
62.5°	41.2	38.7	37.4	38.7	41.2
65°	39.9	36.2	34.9	36.2	39.9
67.5°	38.7	33.7	31.2	33.7	38.7
70°	38.7	31.2	28.7	32.4	38.7
72.5°	37.4	29.9	24.9	29.9	37.4
75°	37.4	27.4	22.4	28.7	37.4
77.5°	34.9	24.9	18.7	26.2	34.9
80°	31.2	22.4	16.2	23.7	29.9
82.5°	22.4	18.7	12.5	18.7	22.4
85°	12.5	13.7	7.5	12.5	13.7
87.5°	1.2	3.7	2.5	7.5	6.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)