

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: P1308259

Luminaire Tested: LDSQA3D17R209027DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308259  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R209027DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

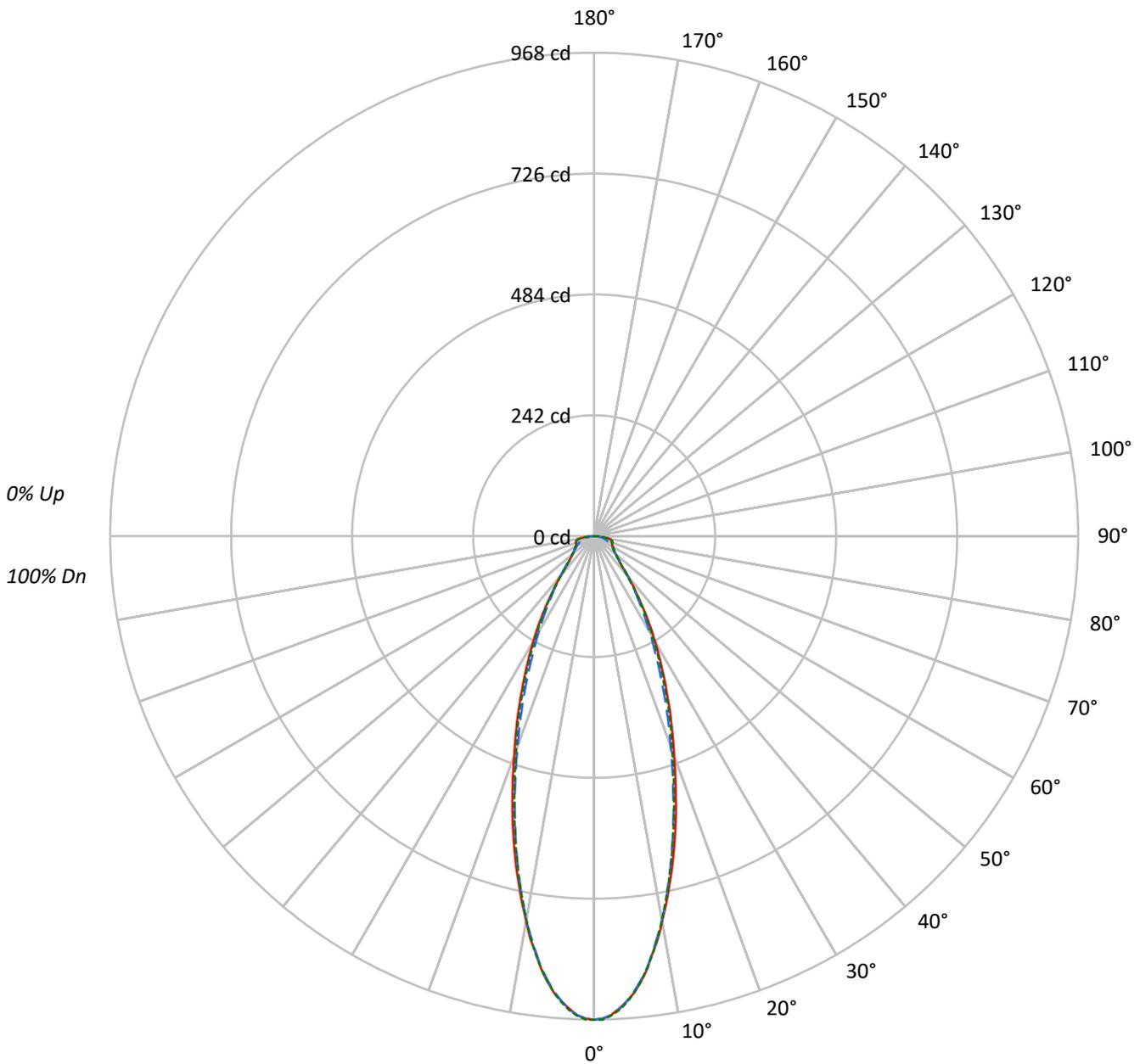
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 683.0 lumens  
Efficiency: N/A  
Efficacy: 32.2 lumens/watt  
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65  
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 (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	85	81	77	83	79	75	81	77	74	74	74	74	72
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	68	68	68	66
5	87	77	70	65	85	76	70	65	74	68	64	72	67	64	71	66	63	63	63	63	61
6	82	72	65	60	81	71	65	60	69	64	59	68	63	59	67	62	59	59	59	59	57
7	78	67	61	56	77	67	60	56	65	60	55	64	59	55	63	58	55	55	55	55	53
8	74	63	57	52	73	63	57	52	62	56	52	61	55	52	60	55	51	51	51	51	50
9	71	60	53	49	69	59	53	49	58	53	49	58	52	49	57	52	48	48	48	48	47
10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46	46	46	46	44

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

	0°	45°	90°
0°	166798	166798	166798
5°	158704	158289	158704
10°	137001	136581	136371
15°	111187	108619	109047
20°	85663	81924	83464
25°	65084	60276	63241
30°	48265	43969	46833
35°	34102	31831	33597
40°	23494	23494	22954
45°	17268	18145	17268
50°	15138	15138	15138
55°	14443	14082	14443
60°	14914	13674	14914
65°	16178	13692	16178
70°	19386	13898	19386
75°	24754	15172	24754
80°	30944	15472	29754
85°	23712	14227	26084

**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°	83.1	12.2
10°-20°	169.6	24.8
20°-30°	151.5	22.2
30°-40°	99.4	14.6
40°-50°	57.8	8.5
50°-60°	42.9	6.3
60°-70°	36.2	5.3
70°-80°	29.9	4.4
80°-90°	12.5	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°	404.2	59.2
0°-40°	503.6	73.7
0°-60°	604.4	88.5
0°-90°	683.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	683.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	968	968	968	968	968	
5°	918	917	916	917	918	83
15°	624	618	609	610	612	172
25°	342	333	317	326	333	158
35°	162	157	151	156	160	103
45°	71	72	74	72	71	57
55°	48	47	47	47	48	44
65°	40	36	34	36	40	40
75°	37	28	23	28	37	38
85°	12	13	7	13	13	14
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	968.5	968.5	968.5	968.5	968.5
1°	966.1	967.3	966.1	967.3	968.5
2°	960.1	961.3	960.1	960.1	961.3
3°	948.1	949.3	949.3	949.3	950.5
4°	933.6	934.8	933.6	934.8	936.0
5°	918.0	916.8	915.6	916.8	918.0
6°	896.4	895.2	894.0	895.2	896.4
7°	872.4	871.2	870.0	870.0	871.2
8°	842.3	843.5	839.9	842.3	843.5
9°	815.9	813.5	811.1	811.1	813.5
10°	783.4	781.0	781.0	779.8	779.8
12.5°	704.1	699.3	695.7	695.7	696.9
15°	623.6	617.6	609.2	610.4	611.6
17.5°	543.1	535.9	525.1	527.5	529.9
20°	467.4	460.2	447.0	451.8	455.4
22.5°	402.5	391.7	379.7	383.3	395.3
25°	342.5	332.8	317.2	325.6	332.8
27.5°	289.6	278.8	265.6	274.0	281.2
30°	242.7	233.1	221.1	228.3	235.5
32.5°	200.7	192.3	183.8	188.7	194.7
35°	162.2	157.4	151.4	156.2	159.8
37.5°	131.0	128.6	126.2	128.6	127.4
40°	104.5	105.7	104.5	104.5	102.1
42.5°	82.9	86.5	87.7	85.3	82.9
45°	70.9	72.1	74.5	72.1	70.9
47.5°	62.5	62.5	63.7	62.5	61.3
50°	56.5	56.5	56.5	56.5	56.5
52.5°	51.7	51.7	50.5	51.7	51.7
55°	48.1	46.9	46.9	46.9	48.1
57.5°	45.7	44.5	43.3	44.5	45.7
60°	43.3	40.9	39.7	40.9	43.3
62.5°	40.9	38.5	37.2	38.5	40.9
65°	39.7	36.0	33.6	36.0	39.7
67.5°	38.5	33.6	31.2	33.6	39.7
70°	38.5	31.2	27.6	32.4	38.5
72.5°	37.2	30.0	25.2	30.0	37.2
75°	37.2	27.6	22.8	27.6	37.2
77.5°	34.8	25.2	19.2	25.2	34.8
80°	31.2	22.8	15.6	22.8	30.0
82.5°	22.8	19.2	12.0	19.2	22.8
85°	12.0	13.2	7.2	13.2	13.2
87.5°	1.2	4.8	2.4	7.2	6.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)