

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: P1315726

Luminaire Tested: LDSQA3D17R159735DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315726  
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: LDSQA3D17R159735DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 97CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

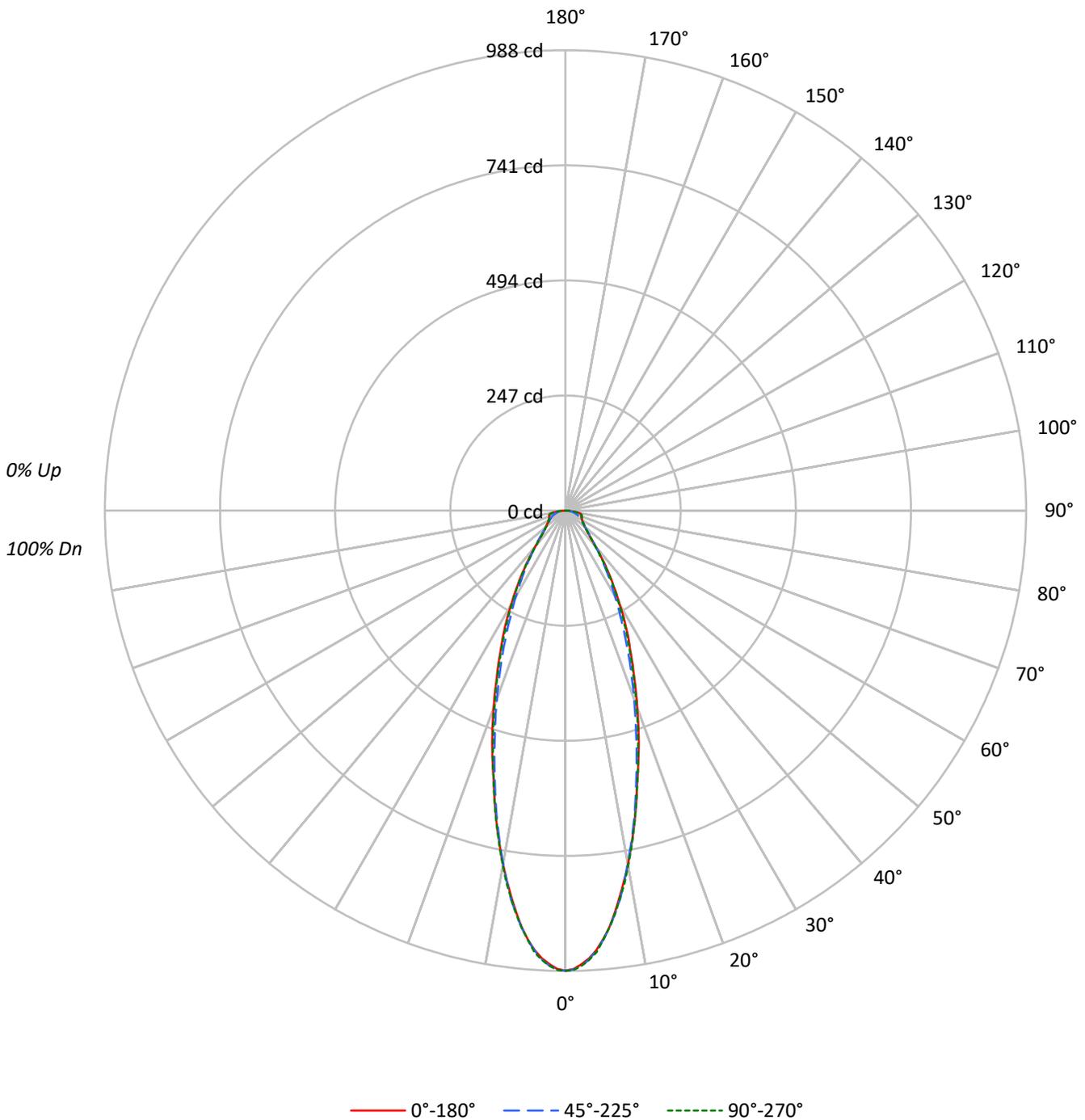
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 662.0 lumens  
Efficiency: N/A  
Efficacy: 31.2 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				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°	170070	170070	170070
5°	159724	159932	159932
10°	134919	134500	135339
15°	106105	104607	106319
20°	82474	78735	81374
25°	62253	57920	61341
30°	46296	42239	45341
35°	33051	30780	32546
40°	22392	22662	22122
45°	16659	17536	16659
50°	14468	14468	14468
55°	14052	13332	14052
60°	14467	13227	14053
65°	15649	13692	15649
70°	18732	13898	18732
75°	23955	14373	23955
80°	29754	15472	28564
85°	23712	14227	26084

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 29754 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	83.3	12.6
10°-20°	164.6	24.9
20°-30°	145.5	22.0
30°-40°	95.6	14.4
40°-50°	55.9	8.4
50°-60°	41.1	6.2
60°-70°	35.1	5.3
70°-80°	28.9	4.4
80°-90°	12.0	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°	393.5	59.4
0°-40°	489.1	73.9
0°-60°	586.1	88.5
0°-90°	662.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	662.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	988	988	988	988	988	
5°	924	924	925	926	925	83
15°	595	595	587	594	596	166
25°	328	317	305	313	323	151
35°	157	151	146	150	155	99
45°	68	70	72	70	68	55
55°	47	46	44	46	47	42
65°	38	35	34	35	38	38
75°	36	26	22	28	36	37
85°	12	13	7	12	13	14
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	987.5	987.5	987.5	987.5	987.5
1°	983.9	985.1	985.1	986.3	986.3
2°	974.3	976.7	977.9	977.9	977.9
3°	962.3	963.5	964.7	965.9	965.9
4°	945.5	946.7	946.7	949.1	950.3
5°	923.9	923.9	925.1	926.3	925.1
6°	898.7	898.7	899.9	899.9	899.9
7°	868.7	869.9	871.1	872.3	871.1
8°	836.3	837.5	841.1	841.1	839.9
9°	803.9	805.1	805.1	808.7	808.7
10°	771.5	771.5	769.1	771.5	773.9
12.5°	683.9	682.7	679.1	682.7	685.1
15°	595.1	595.1	586.7	593.9	596.3
17.5°	523.1	512.3	504.0	511.2	517.1
20°	450.0	439.2	429.6	436.8	444.0
22.5°	384.0	375.6	363.6	370.8	379.2
25°	327.6	316.8	304.8	313.2	322.8
27.5°	280.8	266.4	254.4	264.0	272.4
30°	232.8	223.2	212.4	219.6	228.0
32.5°	192.0	184.8	176.4	182.4	189.6
35°	157.2	151.2	146.4	150.0	154.8
37.5°	126.0	123.6	121.2	122.4	122.4
40°	99.6	100.8	100.8	100.8	98.4
42.5°	81.6	82.8	85.2	82.8	81.6
45°	68.4	69.6	72.0	69.6	68.4
47.5°	60.0	61.2	62.4	60.0	60.0
50°	54.0	54.0	54.0	54.0	54.0
52.5°	50.4	49.2	49.2	49.2	50.4
55°	46.8	45.6	44.4	45.6	46.8
57.5°	43.2	42.0	40.8	42.0	43.2
60°	42.0	39.6	38.4	39.6	40.8
62.5°	39.6	37.2	36.0	37.2	39.6
65°	38.4	34.8	33.6	34.8	38.4
67.5°	37.2	32.4	30.0	32.4	37.2
70°	37.2	30.0	27.6	31.2	37.2
72.5°	36.0	28.8	24.0	28.8	36.0
75°	36.0	26.4	21.6	27.6	36.0
77.5°	33.6	24.0	18.0	25.2	33.6
80°	30.0	21.6	15.6	22.8	28.8
82.5°	21.6	18.0	12.0	18.0	21.6
85°	12.0	13.2	7.2	12.0	13.2
87.5°	1.2	3.6	2.4	7.2	6.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)