

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: P1308244

Luminaire Tested: LDSQA3D17R159027DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308244  
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: LDSQA3D17R159027DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

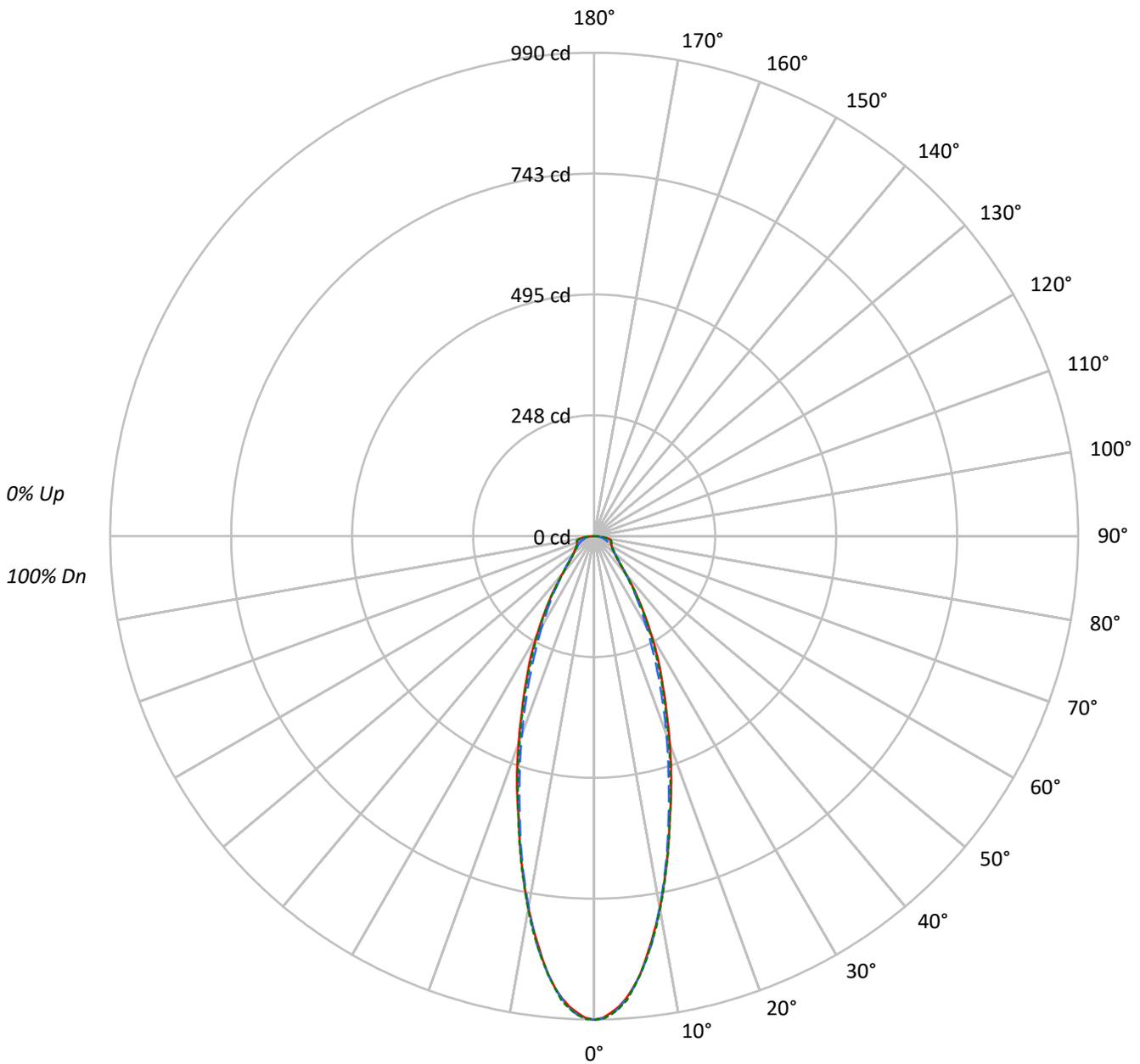
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 664.0 lumens  
Efficiency: N/A  
Efficacy: 31.3 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): 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

TEST NUMBER: P1308244  
CATALOG NUMBER: LDSQA3D17R159027DE010 3LSQPHRLP1MW

### Luminous Intensity Polar Plot



0% Up  
100% Dn

— 0°-180°    - - 45°-225°    - - - 90°-270°



TEST NUMBER: P1308244

CATALOG NUMBER: LDSQA3D17R159027DE010 3LSQPHRLP1MW

**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°	170587	170587	170587
5°	160208	160416	160416
10°	135339	134902	135759
15°	106426	104928	106640
20°	82712	78973	81613
25°	62443	58091	61512
30°	46435	42358	45481
35°	33156	30864	32651
40°	22460	22729	22190
45°	16708	17585	16708
50°	14522	14522	14522
55°	14082	13362	14082
60°	14501	13261	14088
65°	15689	13733	15689
70°	18782	13948	18782
75°	24022	14440	24022
80°	29853	15472	28663
85°	23712	14227	26084

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 29853 cd/sqm



TEST NUMBER: P1308244

CATALOG NUMBER: LDSQA3D17R159027DE010 3LSQPHRLP1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	83.5	12.6
10°-20°	165.1	24.9
20°-30°	146.0	22.0
30°-40°	95.9	14.4
40°-50°	56.0	8.4
50°-60°	41.2	6.2
60°-70°	35.2	5.3
70°-80°	29.0	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°	394.6	59.4
0°-40°	490.5	73.9
0°-60°	587.8	88.5
0°-90°	664.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	664.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	990	990	990	990	990	
5°	927	927	928	929	928	83
15°	597	597	588	596	598	167
25°	329	318	306	314	324	152
35°	158	152	147	150	155	99
45°	69	70	72	70	69	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	



TEST NUMBER: P1308244

CATALOG NUMBER: LDSQA3D17R159027DE010 3LSQPHRLP1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	990.5	990.5	990.5	990.5	990.5
1°	986.9	988.1	988.1	989.3	989.3
2°	977.2	979.7	980.9	980.9	980.9
3°	965.2	966.4	967.6	968.8	968.8
4°	948.4	949.6	949.6	952.0	953.2
5°	926.7	926.7	927.9	929.1	927.9
6°	901.4	901.4	902.6	902.6	902.6
7°	871.3	872.5	873.7	875.0	873.7
8°	838.8	840.0	843.7	843.7	842.5
9°	806.4	807.6	807.6	811.2	811.2
10°	773.9	773.9	771.4	773.9	776.3
12.5°	686.0	684.8	681.2	684.8	687.2
15°	596.9	596.9	588.5	595.7	598.1
17.5°	524.7	513.9	505.5	512.7	518.7
20°	451.3	440.5	430.9	438.1	445.3
22.5°	385.1	376.7	364.7	371.9	380.3
25°	328.6	317.7	305.7	314.1	323.7
27.5°	281.6	267.2	255.1	264.8	273.2
30°	233.5	223.9	213.0	220.2	228.7
32.5°	192.6	185.3	176.9	182.9	190.2
35°	157.7	151.6	146.8	150.4	155.3
37.5°	126.4	124.0	121.6	122.8	122.8
40°	99.9	101.1	101.1	101.1	98.7
42.5°	81.8	83.0	85.4	83.0	81.8
45°	68.6	69.8	72.2	69.8	68.6
47.5°	60.2	61.4	62.6	60.2	60.2
50°	54.2	54.2	54.2	54.2	54.2
52.5°	50.5	49.3	49.3	49.3	50.5
55°	46.9	45.7	44.5	45.7	46.9
57.5°	43.3	42.1	40.9	42.1	43.3
60°	42.1	39.7	38.5	39.7	40.9
62.5°	39.7	37.3	36.1	37.3	39.7
65°	38.5	34.9	33.7	34.9	38.5
67.5°	37.3	32.5	30.1	32.5	37.3
70°	37.3	30.1	27.7	31.3	37.3
72.5°	36.1	28.9	24.1	28.9	36.1
75°	36.1	26.5	21.7	27.7	36.1
77.5°	33.7	24.1	18.1	25.3	33.7
80°	30.1	21.7	15.6	22.9	28.9
82.5°	21.7	18.1	12.0	18.1	21.7
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)