

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: P1318460

Luminaire Tested: LDSQA3D17R159830DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1318460  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R159830DE010 3LSQPHRL1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 98CRI , 3LSQPHRL1MW TRIM  
Light Source: -  
Ballast/Driver: -

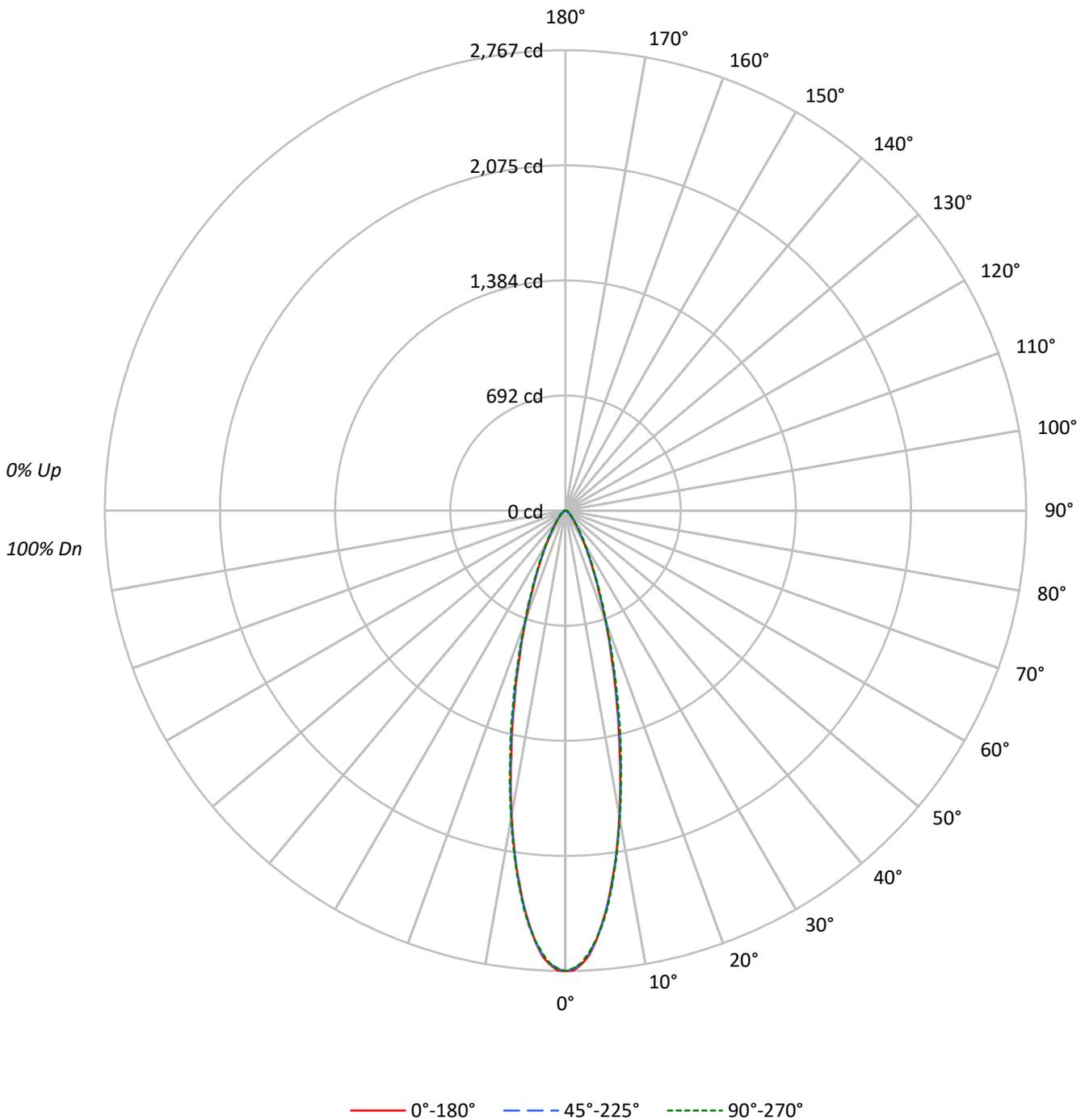
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 914.9 lumens  
Efficiency: N/A  
Efficacy: 44.9 lumens/watt  
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 20.4  
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

TEST NUMBER: P1318460  
CATALOG NUMBER: LDSQA3D17R159830DE010 3LSQPHRL1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1318460

CATALOG NUMBER: LDSQA3D17R159830DE010 3LSQPHRL1MW

**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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	96	94
2	109	104	101	97	107	103	99	96	99	97	94	97	94	92	94	92	90	90	90	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	85	85	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	81	80
5	96	88	83	79	94	87	83	79	86	82	78	84	80	78	83	79	77	77	77	77	76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	73	73	73	72
7	88	80	75	71	87	80	75	71	79	74	71	77	74	71	76	73	70	70	70	70	69
8	85	77	72	68	84	76	72	68	75	71	68	74	70	68	74	70	67	67	67	67	66
9	82	74	69	65	81	73	69	65	73	68	65	72	68	65	71	67	65	65	65	65	64
10	79	71	66	63	78	71	66	63	70	66	63	69	65	62	69	65	62	62	62	62	61

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

	0°	45°	90°
0°	476523	476523	476523
5°	431631	432443	433048
10°	325870	326692	328336
15°	211372	213672	217862
20°	127267	128769	130492
25°	74338	75916	77018
30°	43691	45103	45799
35°	26932	27921	28404
40°	17693	18233	18480
45°	12300	12592	12884
50°	9136	9431	9753
55°	7416	7747	7747
60°	6476	6476	6476
65°	5746	5746	5746
70°	4733	5338	5338
75°	4658	4658	4658
80°	3471	4661	4661
85°	2371	2371	2371

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°  
 Vertical Angle: 45°  
 Luminance: 12884 cd/sqm



TEST NUMBER: P1318460

CATALOG NUMBER: LDSQA3D17R159830DE010 3LSQPHRL1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	217.9	23.8
10°-20°	333.2	36.4
20°-30°	189.4	20.7
30°-40°	86.4	9.4
40°-50°	41.4	4.5
50°-60°	23.2	2.5
60°-70°	14.2	1.5
70°-80°	7.5	0.8
80°-90°	1.6	0.2
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°	740.6	80.9
0°-40°	827.0	90.4
0°-60°	891.6	97.5
0°-90°	914.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	914.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2767	2767	2767	2767	2767	
5°	2497	2496	2501	2501	2505	218
15°	1186	1191	1198	1215	1222	329
25°	391	391	400	403	405	186
35°	128	130	133	135	135	84
45°	50	50	52	53	53	40
55°	25	25	26	26	26	23
65°	14	14	14	14	14	14
75°	7	7	7	7	7	7
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



TEST NUMBER: P1318460  
 CATALOG NUMBER: LDSQA3D17R159830DE010 3LSQPHRL1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2766.9	2766.9	2766.9	2766.9	2766.9
1°	2764.6	2757.5	2755.2	2754.0	2751.6
2°	2729.3	2723.4	2722.3	2722.3	2721.1
3°	2680.0	2669.4	2670.6	2667.0	2663.5
4°	2596.5	2591.8	2594.2	2596.5	2591.8
5°	2496.7	2495.5	2501.4	2501.4	2504.9
6°	2393.3	2392.1	2388.6	2398.0	2402.7
7°	2261.7	2268.7	2278.1	2273.4	2277.0
8°	2141.9	2133.6	2137.2	2148.9	2150.1
9°	2000.9	1995.0	2010.3	2015.0	2016.1
10°	1863.4	1869.3	1868.1	1884.5	1877.5
12.5°	1505.1	1514.5	1525.0	1532.1	1539.1
15°	1185.5	1191.4	1198.4	1214.9	1221.9
17.5°	911.7	918.8	925.8	939.9	942.3
20°	694.4	697.9	702.6	715.5	712.0
22.5°	519.3	525.2	529.9	535.8	539.3
25°	391.2	391.2	399.5	403.0	405.3
27.5°	291.4	293.7	299.6	304.3	303.1
30°	219.7	223.2	226.8	229.1	230.3
32.5°	169.2	169.2	172.7	176.2	177.4
35°	128.1	130.4	132.8	135.1	135.1
37.5°	99.9	101.0	103.4	104.6	104.6
40°	78.7	78.7	81.1	82.2	82.2
42.5°	62.3	63.4	64.6	65.8	65.8
45°	50.5	50.5	51.7	52.9	52.9
47.5°	41.1	41.1	42.3	43.5	43.5
50°	34.1	35.2	35.2	36.4	36.4
52.5°	29.4	29.4	29.4	30.5	30.5
55°	24.7	24.7	25.8	25.8	25.8
57.5°	21.1	21.1	21.1	22.3	22.3
60°	18.8	18.8	18.8	18.8	18.8
62.5°	16.4	16.4	16.4	16.4	16.4
65°	14.1	14.1	14.1	14.1	14.1
67.5°	11.7	11.7	11.7	12.9	12.9
70°	9.4	10.6	10.6	10.6	10.6
72.5°	8.2	8.2	8.2	8.2	8.2
75°	7.0	7.0	7.0	7.0	7.0
77.5°	5.9	5.9	5.9	5.9	5.9
80°	3.5	4.7	4.7	4.7	4.7
82.5°	2.3	2.3	2.3	2.3	2.3
85°	1.2	1.2	1.2	1.2	1.2
87.5°	0.0	0.0	0.0	0.0	1.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)