

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: P1317143

Luminaire Tested: LDSQA3D05R159827DE010 3LSQPHR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317143  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R159827DE010 3LSQPHR1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 98CRI , 3LSQPHR1MW TRIM  
Light Source: -  
Ballast/Driver: -

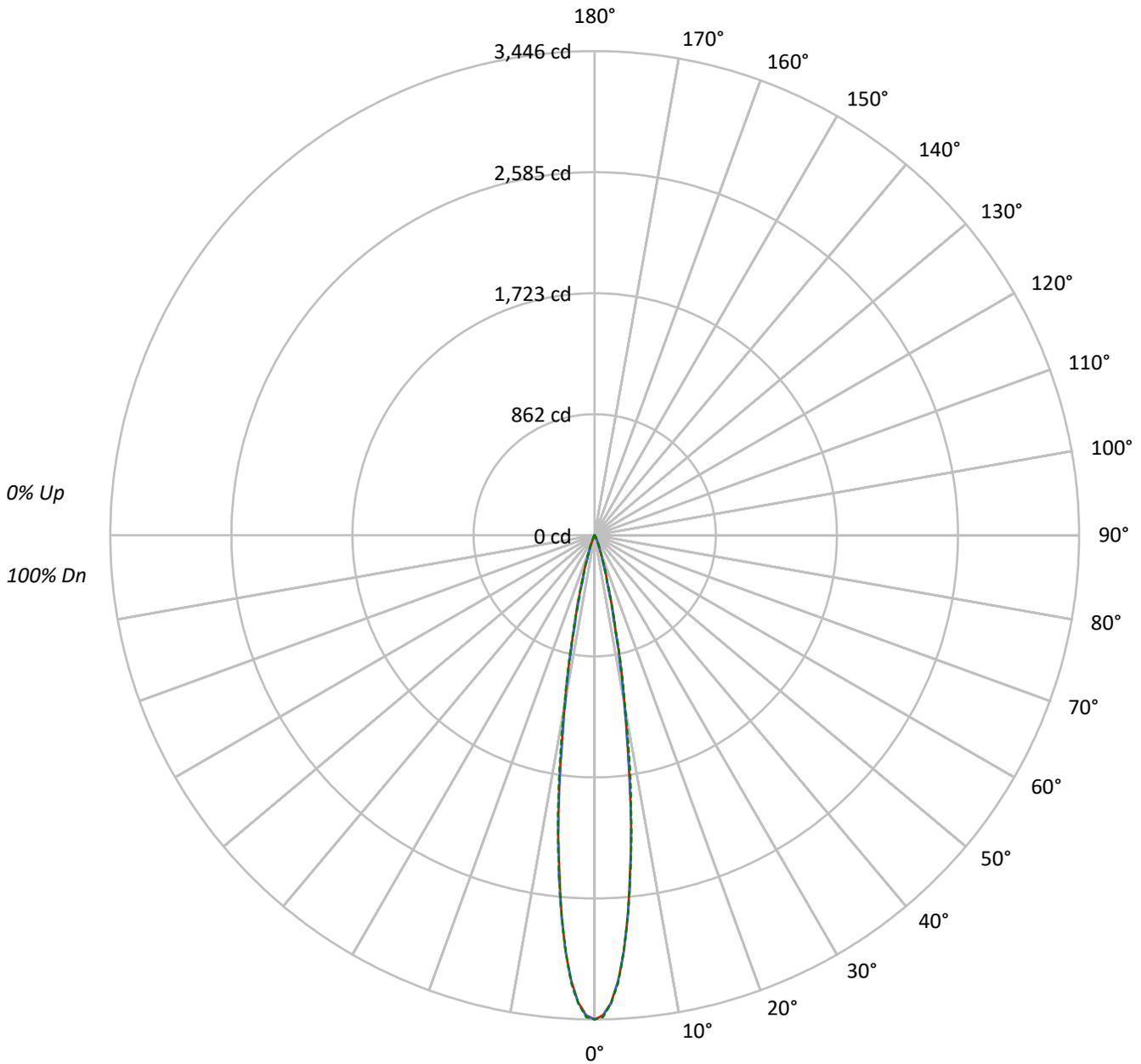
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 345.0 lumens  
Efficiency: N/A  
Efficacy: 47.9 lumens/watt  
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.2  
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				
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	116	114	112	111	113	112	110	109	108	107	106	104	104	103	101	100	100	100	100	100	98
2	113	110	107	105	111	108	106	104	105	104	102	102	101	100	100	99	98	98	98	98	97
3	110	107	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96	96	96	96	95
4	108	104	100	98	106	103	100	98	101	98	96	99	97	95	97	96	94	94	94	94	93
5	106	101	98	95	104	100	97	95	99	96	94	97	95	94	96	94	93	93	93	93	92
6	104	99	96	93	103	98	95	93	97	94	92	96	94	92	95	93	91	91	91	91	91
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	94	92	90	90	90	90	89
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	89	89	89	88
9	98	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	87	87	87	87
10	97	92	89	87	96	92	89	87	91	88	87	90	88	86	90	88	86	86	86	86	86

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

	0°	45°	90°
0°	593393	593393	593393
5°	468074	469319	467659
10°	214140	208526	218669
15°	63670	56841	62386
20°	18914	18346	19849
25°	5378	6955	6233
30°	1929	2068	1849
35°	736	652	652
40°	315	157	225
45°	170	73	170
50°	80	0	80
55°	90	0	90
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 47.5°  
 Luminance: 178 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	208.2	60.3
10°-20°	115.6	33.5
20°-30°	18.4	5.3
30°-40°	2.4	0.7
40°-50°	0.3	0.1
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	342.1	99.2
0°-40°	344.6	99.9
0°-60°	345.0	100.0
0°-90°	345.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	345.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3446	3446	3446	3446	3446	
5°	2708	2730	2715	2703	2705	208
15°	357	353	319	339	350	118
25°	28	32	37	36	33	17
35°	4	4	3	4	3	3
45°	1	0	0	0	1	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3445.5	3445.5	3445.5	3445.5	3445.5	3445.5	3445.5	3445.5	3445.5	3445.5	3445.5
1°	3415.8	3419.6	3424.5	3420.0	3415.8	3419.6	3414.4	3415.1	3411.0	3420.0	3430.0
2°	3328.9	3333.7	3331.0	3324.7	3334.4	3335.1	3324.4	3319.2	3318.5	3327.5	3331.0
3°	3175.0	3186.0	3186.4	3184.3	3181.2	3175.0	3164.0	3171.2	3161.2	3155.0	3190.2
4°	2970.4	2980.1	2991.4	2983.8	2961.1	2963.1	2970.4	2945.9	2947.3	2961.4	2962.5
5°	2707.5	2736.8	2738.2	2727.5	2709.5	2714.7	2709.5	2702.6	2705.1	2714.0	2705.1
6°	2398.0	2431.1	2406.6	2430.1	2424.9	2431.4	2433.2	2425.9	2431.1	2425.6	2423.9
7°	2130.6	2105.4	2108.8	2099.2	2109.5	2116.4	2120.6	2108.2	2118.2	2134.0	2138.5
8°	1799.0	1791.8	1784.5	1801.8	1796.9	1805.2	1810.4	1824.2	1823.5	1828.3	1844.2
9°	1483.3	1494.0	1500.5	1485.4	1498.5	1472.9	1481.9	1518.8	1509.2	1518.8	1547.1
10°	1224.5	1233.1	1223.5	1223.1	1209.3	1192.4	1191.4	1205.2	1234.2	1257.0	1250.4
12.5°	675.6	683.2	684.2	683.5	658.7	630.7	635.9	646.9	664.9	672.5	684.9
15°	357.1	356.8	360.6	349.9	336.8	318.8	320.2	335.4	348.8	352.3	349.9
17.5°	183.2	183.9	186.7	183.9	170.1	171.8	175.6	177.3	185.3	188.4	186.7
20°	103.2	103.5	103.2	104.2	98.7	100.1	104.9	105.2	107.0	108.7	108.3
22.5°	59.0	59.3	61.4	60.7	59.3	61.1	62.1	63.8	64.5	63.8	65.9
25°	28.3	28.6	28.6	32.8	34.8	36.6	37.3	36.6	35.9	33.1	32.8
27.5°	16.2	16.2	16.9	17.3	17.9	21.0	20.7	17.3	14.5	14.5	14.8
30°	9.7	9.3	9.3	9.7	10.0	10.4	9.7	9.3	9.3	9.7	9.3
32.5°	5.9	5.9	5.9	5.5	5.5	5.2	5.2	5.9	5.9	5.9	5.9
35°	3.5	3.5	3.5	3.5	3.1	3.1	3.1	3.5	3.5	3.1	3.1
37.5°	2.1	2.1	2.1	1.7	1.7	1.4	1.7	1.7	1.7	1.7	1.7
40°	1.4	1.4	1.0	1.0	0.7	0.7	0.7	1.0	1.0	1.0	1.0
42.5°	1.0	1.0	0.7	0.7	0.3	0.3	0.3	0.7	0.7	0.7	0.7
45°	0.7	0.7	0.7	0.3	0.3	0.3	0.3	0.3	0.3	0.7	0.7
47.5°	0.7	0.7	0.3	0.3	0.0	0.0	0.0	0.3	0.3	0.3	0.3
50°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
52.5°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
55°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)