

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: P1320211

Luminaire Tested: LDSQA3D17R159840DE010 3LSQPHRL1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1320211  
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: LDSQA3D17R159840DE010 3LSQPHRL1MMS  
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 98CRI , 3LSQPHRL1MMS TRIM  
Light Source: -  
Ballast/Driver: -

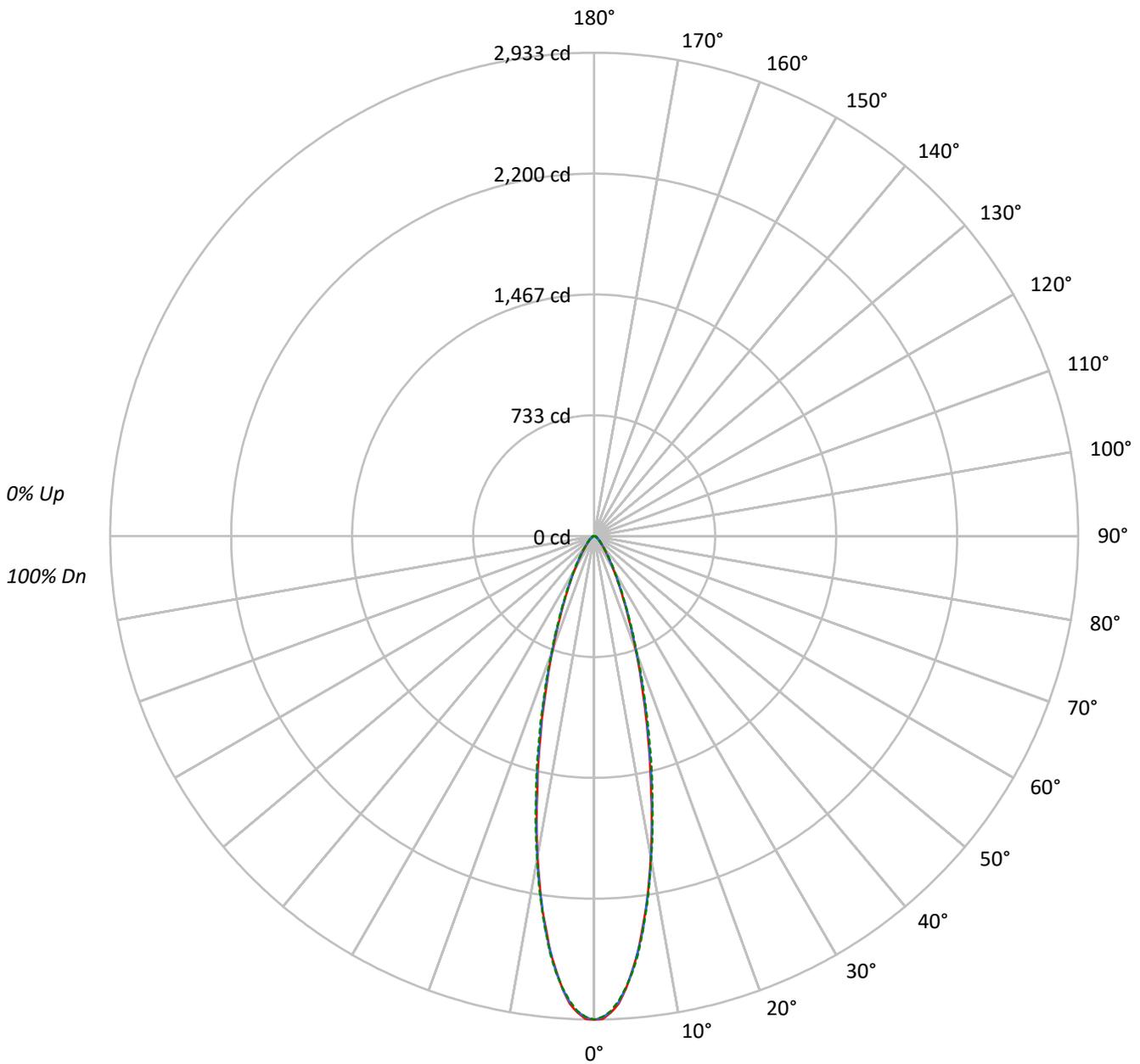
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 970.0 lumens  
Efficiency: N/A  
Efficacy: 47.5 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 (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% Up  
100% Dn

— 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	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°	505163	505163	505163
5°	457563	458427	459084
10°	345457	346331	348080
15°	224067	226510	230949
20°	134909	136504	138336
25°	78823	80476	81654
30°	46316	47807	48543
35°	28551	29581	30107
40°	18773	19312	19604
45°	13055	13347	13639
50°	9672	10021	10342
55°	7867	8227	8227
60°	6854	6854	6854
65°	6072	6072	6072
70°	5035	5640	5640
75°	4991	4991	4991
80°	3670	4959	4959
85°	2371	2371	2371

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°  
 Vertical Angle: 45°  
 Luminance: 13639 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	231.0	23.8
10°-20°	353.3	36.4
20°-30°	200.8	20.7
30°-40°	91.6	9.4
40°-50°	43.9	4.5
50°-60°	24.6	2.5
60°-70°	15.0	1.5
70°-80°	8.0	0.8
80°-90°	1.7	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°	785.1	80.9
0°-40°	876.7	90.4
0°-60°	945.3	97.5
0°-90°	970.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	970.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2933	2933	2933	2933	2933	
5°	2647	2646	2652	2652	2656	231
15°	1257	1263	1270	1288	1295	349
25°	415	415	424	427	430	197
35°	136	138	141	143	143	89
45°	54	54	55	56	56	43
55°	26	26	27	27	27	24
65°	15	15	15	15	15	15
75°	8	8	8	8	8	8
85°	1	1	1	1	1	2
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2933.2	2933.2	2933.2	2933.2	2933.2
1°	2930.7	2923.3	2920.8	2919.5	2917.0
2°	2893.4	2887.1	2885.9	2885.9	2884.6
3°	2841.0	2829.8	2831.1	2827.3	2823.6
4°	2752.6	2747.6	2750.1	2752.6	2747.6
5°	2646.7	2645.5	2651.7	2651.7	2655.5
6°	2537.1	2535.9	2532.2	2542.1	2547.1
7°	2397.6	2405.1	2415.1	2410.1	2413.8
8°	2270.6	2261.9	2265.6	2278.1	2279.3
9°	2121.1	2114.9	2131.1	2136.1	2137.3
10°	1975.4	1981.6	1980.4	1997.8	1990.4
12.5°	1595.5	1605.5	1616.7	1624.2	1631.6
15°	1256.7	1263.0	1270.4	1287.9	1295.3
17.5°	966.5	974.0	981.5	996.4	998.9
20°	736.1	739.8	744.8	758.5	754.8
22.5°	550.5	556.8	561.7	568.0	571.7
25°	414.8	414.8	423.5	427.2	429.7
27.5°	308.9	311.4	317.6	322.6	321.3
30°	232.9	236.7	240.4	242.9	244.1
32.5°	179.4	179.4	183.1	186.8	188.1
35°	135.8	138.3	140.7	143.2	143.2
37.5°	105.9	107.1	109.6	110.9	110.9
40°	83.5	83.5	85.9	87.2	87.2
42.5°	66.0	67.3	68.5	69.7	69.7
45°	53.6	53.6	54.8	56.0	56.0
47.5°	43.6	43.6	44.8	46.1	46.1
50°	36.1	37.4	37.4	38.6	38.6
52.5°	31.1	31.1	31.1	32.4	32.4
55°	26.2	26.2	27.4	27.4	27.4
57.5°	22.4	22.4	22.4	23.7	23.7
60°	19.9	19.9	19.9	19.9	19.9
62.5°	17.4	17.4	17.4	17.4	17.4
65°	14.9	14.9	14.9	14.9	14.9
67.5°	12.5	12.5	12.5	13.7	13.7
70°	10.0	11.2	11.2	11.2	11.2
72.5°	8.7	8.7	8.7	8.7	8.7
75°	7.5	7.5	7.5	7.5	7.5
77.5°	6.2	6.2	6.2	6.2	6.2
80°	3.7	5.0	5.0	5.0	5.0
82.5°	2.5	2.5	2.5	2.5	2.5
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)