

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: P1310478

Luminaire Tested: LDSQA3D17R159035DE010 3LSQPHRL1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310478  
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: LDSQA3D17R159035DE010 3LSQPHRL1MMS  
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 90CRI , 3LSQPHRL1MMS TRIM  
Light Source: -  
Ballast/Driver: -

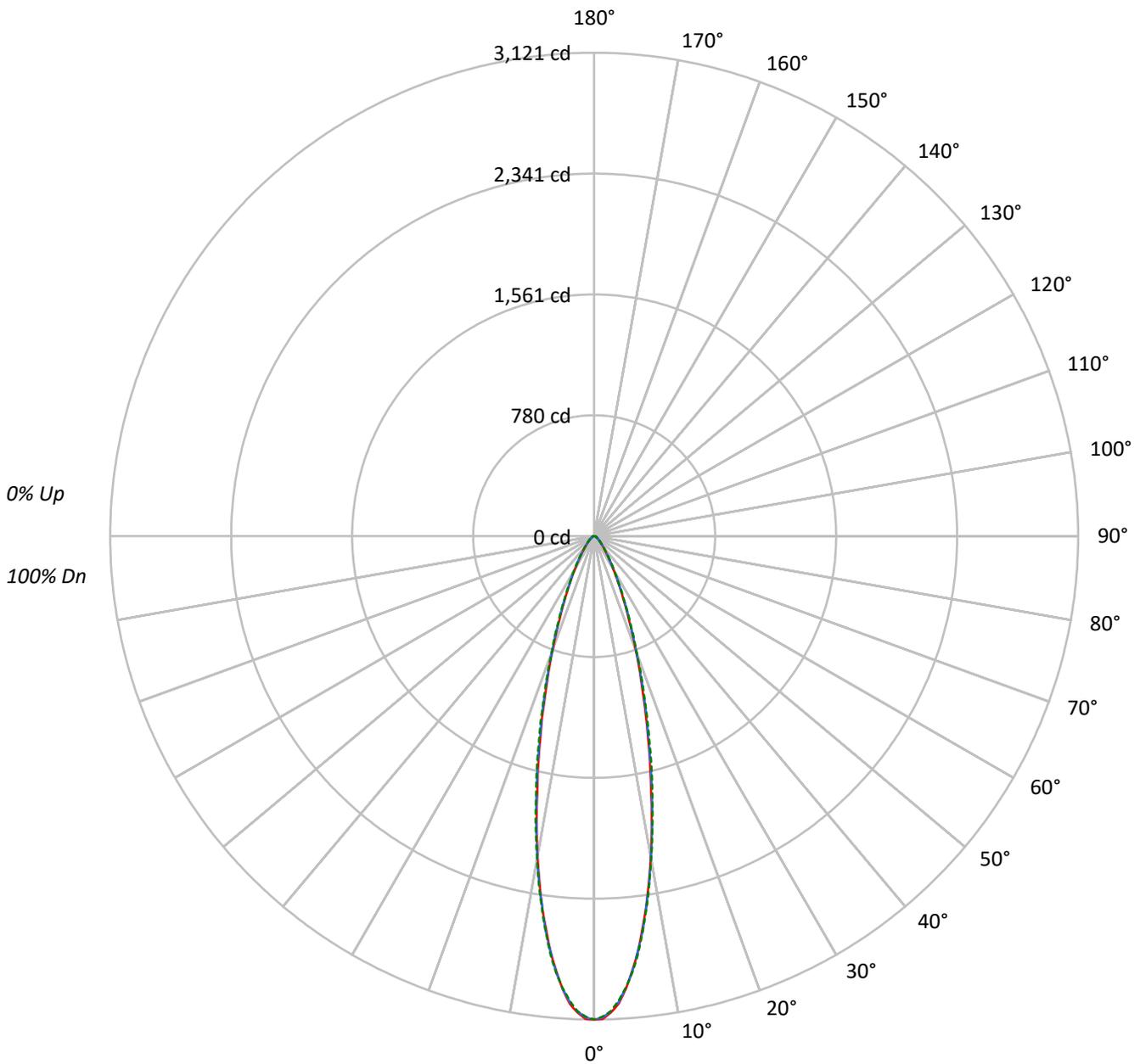
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1032.0 lumens  
Efficiency: N/A  
Efficacy: 48.7 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): 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

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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	100	100	100	100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94	94	94	94
2	109	104	101	97	107	103	99	96	99	97	94	97	94	92	94	92	90	89	89	89	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	84	84	84	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	80	80	80	80
5	96	88	83	79	94	87	83	79	86	82	78	84	80	78	83	79	77	76	76	76	76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	72	72	72	72
7	88	80	75	71	87	80	75	71	79	74	71	77	74	71	76	73	70	69	69	69	69
8	85	77	72	68	84	76	72	68	75	71	68	74	70	68	74	70	67	66	66	66	66
9	82	74	69	65	81	73	69	65	73	68	65	72	68	65	71	67	65	64	64	64	64
10	79	71	66	63	78	71	66	63	70	66	63	69	65	62	69	65	62	61	61	61	61

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

	0°	45°	90°
0°	537455	537455	537455
5°	486814	487730	488422
10°	367544	368471	370325
15°	238402	240988	245712
20°	143541	145228	147170
25°	83859	85607	86880
30°	49279	50870	51645
35°	30359	31474	32041
40°	19964	20549	20863
45°	13883	14200	14516
50°	10289	10664	11012
55°	8347	8768	8768
60°	7302	7302	7302
65°	6479	6479	6479
70°	5338	5992	5992
75°	5323	5323	5323
80°	3967	5256	5256
85°	2569	2569	2569

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°  
 Vertical Angle: 45°  
 Luminance: 14516 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	245.8	23.8
10°-20°	375.9	36.4
20°-30°	213.6	20.7
30°-40°	97.5	9.4
40°-50°	46.8	4.5
50°-60°	26.2	2.5
60°-70°	16.0	1.6
70°-80°	8.5	0.8
80°-90°	1.8	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°	835.3	80.9
0°-40°	932.8	90.4
0°-60°	1005.7	97.4
0°-90°	1032.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1032.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3121	3121	3121	3121	3121	
5°	2816	2815	2821	2821	2825	246
15°	1337	1344	1352	1370	1378	371
25°	441	441	450	454	457	209
35°	144	147	150	152	152	95
45°	57	57	58	60	60	45
55°	28	28	29	29	29	26
65°	16	16	16	16	16	16
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°	3120.7	3120.7	3120.7	3120.7	3120.7
1°	3118.1	3110.1	3107.4	3106.1	3103.5
2°	3078.3	3071.7	3070.3	3070.3	3069.0
3°	3022.6	3010.7	3012.0	3008.1	3004.1
4°	2928.6	2923.3	2925.9	2928.6	2923.3
5°	2815.9	2814.6	2821.2	2821.2	2825.2
6°	2699.3	2698.0	2694.0	2704.6	2709.9
7°	2550.9	2558.8	2569.4	2564.1	2568.1
8°	2415.7	2406.5	2410.4	2423.7	2425.0
9°	2256.7	2250.1	2267.3	2272.6	2273.9
10°	2101.7	2108.3	2107.0	2125.5	2117.6
12.5°	1697.5	1708.1	1720.0	1728.0	1735.9
15°	1337.1	1343.7	1351.6	1370.2	1378.1
17.5°	1028.3	1036.3	1044.2	1060.1	1062.8
20°	783.2	787.1	792.4	807.0	803.0
22.5°	585.7	592.3	597.6	604.3	608.2
25°	441.3	441.3	450.5	454.5	457.2
27.5°	328.6	331.3	337.9	343.2	341.9
30°	247.8	251.8	255.8	258.4	259.7
32.5°	190.8	190.8	194.8	198.8	200.1
35°	144.4	147.1	149.7	152.4	152.4
37.5°	112.6	114.0	116.6	117.9	117.9
40°	88.8	88.8	91.4	92.8	92.8
42.5°	70.2	71.6	72.9	74.2	74.2
45°	57.0	57.0	58.3	59.6	59.6
47.5°	46.4	46.4	47.7	49.0	49.0
50°	38.4	39.8	39.8	41.1	41.1
52.5°	33.1	33.1	33.1	34.5	34.5
55°	27.8	27.8	29.2	29.2	29.2
57.5°	23.9	23.9	23.9	25.2	25.2
60°	21.2	21.2	21.2	21.2	21.2
62.5°	18.6	18.6	18.6	18.6	18.6
65°	15.9	15.9	15.9	15.9	15.9
67.5°	13.3	13.3	13.3	14.6	14.6
70°	10.6	11.9	11.9	11.9	11.9
72.5°	9.3	9.3	9.3	9.3	9.3
75°	8.0	8.0	8.0	8.0	8.0
77.5°	6.6	6.6	6.6	6.6	6.6
80°	4.0	5.3	5.3	5.3	5.3
82.5°	2.7	2.7	2.7	2.7	2.7
85°	1.3	1.3	1.3	1.3	1.3
87.5°	0.0	0.0	0.0	0.0	1.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)