

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: P1315572

Luminaire Tested: LDSQA3D13R159735DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315572  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R159735DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

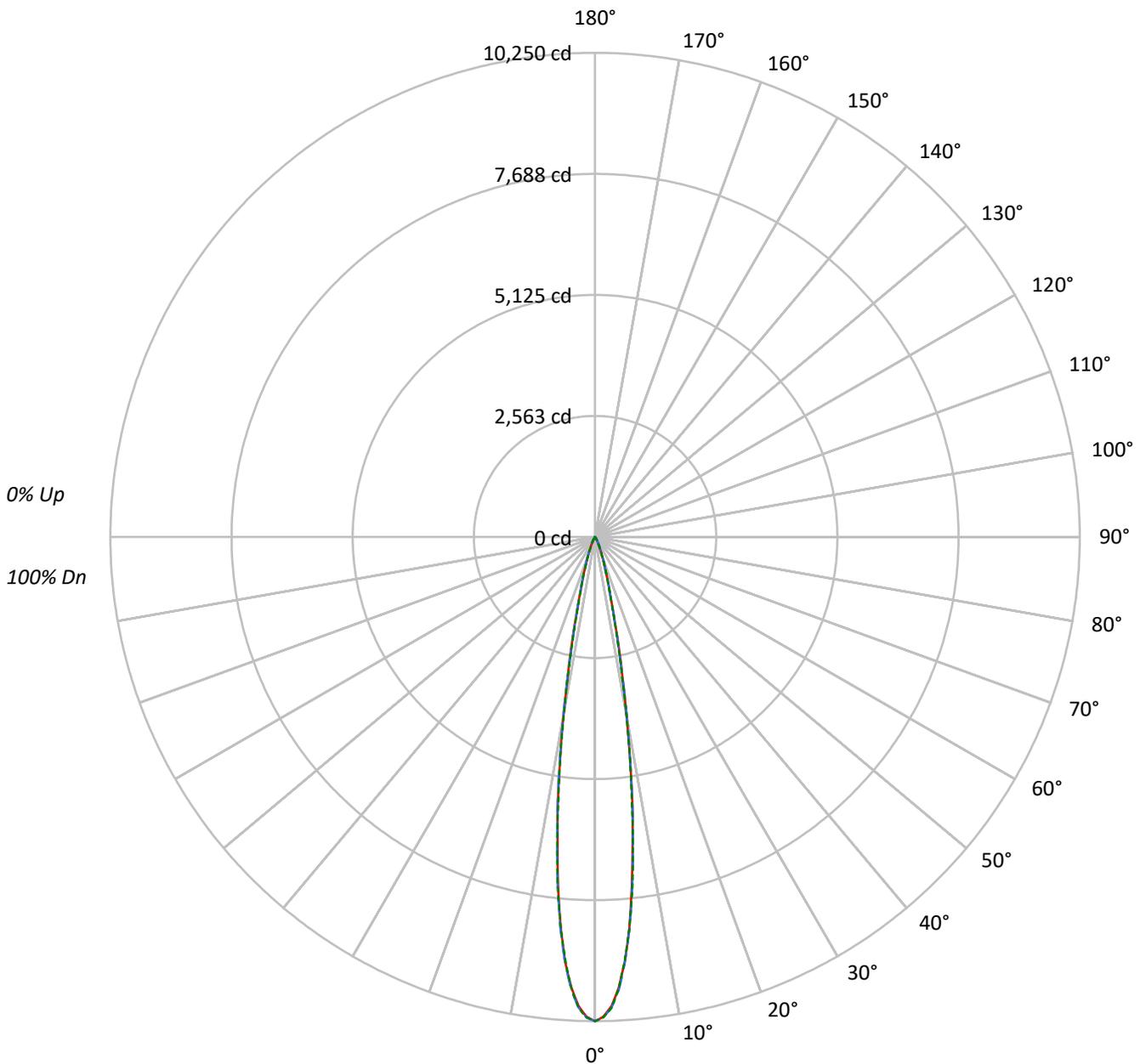
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1144.0 lumens  
Efficiency: N/A  
Efficacy: 78.4 lumens/watt  
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.6  
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	103	102	101	100	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	98	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	98	96	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	96	95	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	95	93	91	90
6	103	97	94	92	102	97	94	91	96	93	91	94	92	90	93	91	90	93	91	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	88	92	90	88	92	90	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	90	88	87	90	88	87	86
9	97	92	88	86	96	91	88	86	90	88	86	90	87	85	89	87	85	89	87	85	84
10	95	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	84	88	85	84	83

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

	0°	45°	90°
0°	1765317	1765317	1765317
5°	1437294	1441996	1439178
10°	670470	676486	667935
15°	210534	212317	211034
20°	83409	86726	80770
25°	33711	40761	32495
30°	13503	18534	12767
35°	3995	8179	3805
40°	1214	3058	1012
45°	219	658	219
50°	0	241	0
55°	0	0	0
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: 45°  
 Vertical Angle: 45°  
 Luminance: 658 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	641.8	56.1
10°-20°	383.8	33.6
20°-30°	96.8	8.5
30°-40°	19.8	1.7
40°-50°	1.8	0.2
50°-60°	0.0	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°	1122.4	98.1
0°-40°	1142.1	99.8
0°-60°	1144.0	100.0
0°-90°	1144.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1144.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	10250	10250	10250	10250	10250	
5°	8314	8298	8341	8320	8325	640
15°	1181	1191	1191	1174	1184	384
25°	177	194	214	190	171	91
35°	19	25	39	24	18	16
45°	1	2	3	2	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°	22.5°	45°	67.5°	90°
0°	10250.2	10250.2	10250.2	10250.2	10250.2
1°	10157.9	10192.3	10174.2	10188.7	10172.4
2°	9938.0	9984.2	9969.7	9965.2	9977.8
3°	9550.7	9604.1	9602.3	9588.7	9567.0
4°	9022.3	9000.6	9034.1	9030.5	8993.4
5°	8313.8	8298.4	8341.0	8320.1	8324.7
6°	7447.0	7513.9	7499.4	7501.2	7518.4
7°	6515.9	6552.1	6582.8	6608.2	6572.9
8°	5660.8	5651.7	5654.4	5683.4	5585.7
9°	4703.4	4759.5	4723.3	4665.4	4702.5
10°	3833.9	3868.3	3868.3	3817.6	3819.4
11°	3056.6	3084.7	3064.7	3077.4	2997.8
12°	2463.9	2394.2	2378.0	2390.6	2389.7
13°	1881.2	1885.7	1881.2	1880.3	1871.2
14°	1474.9	1498.4	1488.5	1464.1	1453.2
15°	1180.8	1190.8	1190.8	1173.6	1183.6
17.5°	709.4	721.2	723.9	712.1	712.1
20°	455.1	460.6	473.2	456.0	440.7
22.5°	280.5	292.3	314.0	288.6	276.0
25°	177.4	193.6	214.5	190.0	171.0
27.5°	111.3	124.9	143.0	119.4	107.7
30°	67.9	76.9	93.2	75.1	64.2
32.5°	38.0	45.2	58.8	43.4	36.2
35°	19.0	25.3	38.9	24.4	18.1
37.5°	10.9	13.6	24.4	11.8	10.0
40°	5.4	7.2	13.6	7.2	4.5
42.5°	1.8	3.6	5.4	3.6	1.8
45°	0.9	1.8	2.7	1.8	0.9
47.5°	0.0	0.0	0.9	0.0	0.0
50°	0.0	0.0	0.9	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)