

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: P1316559

Luminaire Tested: LDSQA3D13R209740DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316559  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R209740DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

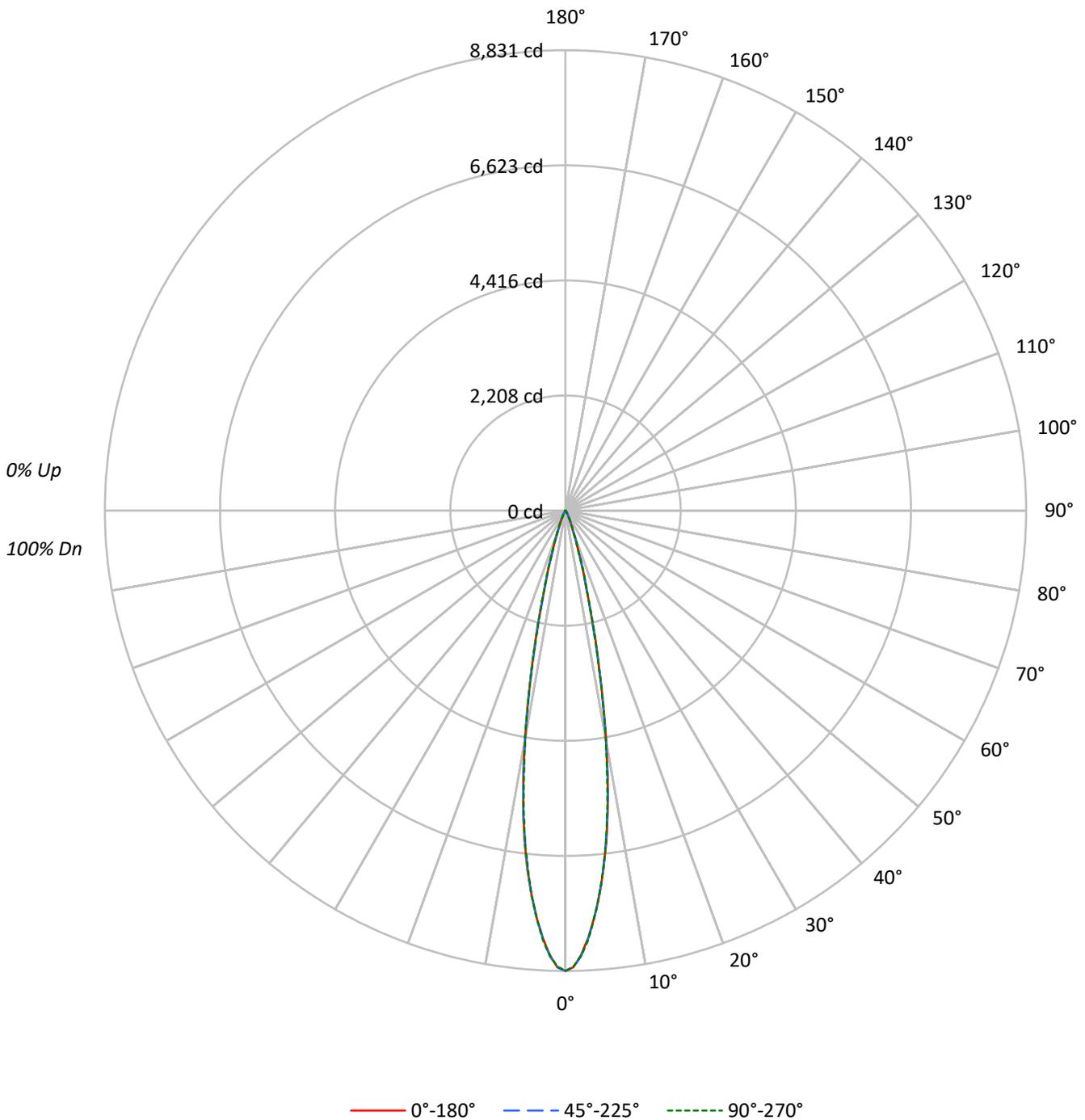
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1216.9 lumens  
Efficiency: N/A  
Efficacy: 83.4 lumens/watt  
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33  
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 (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

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### Luminous Intensity Polar Plot





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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	110	113	111	110	109	108	106	105	104	103	102	101	100	99	99	98	97	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	97	96	94	95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	97	96	94	93
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	96	94	92	91
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	94	92	90	89
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	92	90	88	87
7	100	94	90	88	99	94	90	88	92	90	87	92	89	87	91	88	87	91	88	87	86
8	97	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	89	87	85	84
9	96	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	83	88	85	83	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	86	84	82	81

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

	0°	45°	90°
0°	1520950	1520950	1520950
5°	1281926	1282410	1281771
10°	781169	777549	779368
15°	275167	276344	284902
20°	86451	88870	86983
25°	32381	35421	33274
30°	12548	17798	13105
35°	4752	7926	5151
40°	2540	3395	2540
45°	926	1607	1145
50°	509	750	509
55°	570	570	570
60°	310	310	310
65°	367	367	367
70°	453	453	453
75°	0	0	599
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1607 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	613.0	50.4
10°-20°	480.7	39.5
20°-30°	94.4	7.8
30°-40°	21.2	1.7
40°-50°	4.8	0.4
50°-60°	1.5	0.1
60°-70°	0.9	0.1
70°-80°	0.4	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°	1188.1	97.6
0°-40°	1209.3	99.4
0°-60°	1215.7	99.9
0°-90°	1216.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1216.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	8831	8831	8831	8831	8831	
5°	7415	7422	7418	7443	7414	614
15°	1543	1550	1550	1584	1598	480
25°	170	182	186	184	175	90
35°	23	27	38	27	24	17
45°	4	6	7	6	5	4
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
75°	0	0	0	0	1	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	8831.3	8831.3	8831.3	8831.3	8831.3
1°	8759.7	8740.9	8762.5	8745.6	8749.3
2°	8532.8	8522.4	8550.7	8532.8	8542.2
3°	8217.3	8204.2	8224.9	8225.8	8252.2
4°	7840.7	7815.3	7846.3	7847.3	7852.0
5°	7415.1	7421.7	7417.9	7443.3	7414.2
6°	6936.8	6958.4	6930.2	6944.3	6903.8
7°	6401.9	6374.6	6360.5	6365.2	6393.5
8°	5811.6	5792.7	5813.4	5784.2	5764.5
9°	5155.3	5122.3	5144.9	5116.7	5088.4
10°	4466.9	4451.9	4446.2	4414.2	4456.6
11°	3776.8	3731.6	3754.2	3738.2	3784.3
12°	3130.8	3134.6	3090.3	3104.5	3110.1
13°	2548.0	2487.7	2495.2	2533.8	2540.4
14°	1976.4	1984.9	1987.7	2015.0	2031.0
15°	1543.3	1549.9	1549.9	1583.8	1597.9
17.5°	827.7	827.7	845.6	849.3	851.2
20°	471.7	474.6	484.9	484.0	474.6
22.5°	282.5	288.1	293.8	288.1	282.5
25°	170.4	181.7	186.4	183.6	175.1
27.5°	101.7	113.9	127.1	116.8	100.8
30°	63.1	69.7	89.5	71.6	65.9
32.5°	34.8	45.2	61.2	47.1	35.8
35°	22.6	27.3	37.7	27.3	24.5
37.5°	16.0	18.8	23.5	19.8	16.9
40°	11.3	13.2	15.1	14.1	11.3
42.5°	7.5	9.4	10.4	9.4	7.5
45°	3.8	5.6	6.6	5.6	4.7
47.5°	1.9	2.8	4.7	2.8	1.9
50°	1.9	1.9	2.8	1.9	1.9
52.5°	1.9	1.9	1.9	1.9	1.9
55°	1.9	1.9	1.9	1.9	1.9
57.5°	1.9	1.9	0.9	1.9	0.9
60°	0.9	0.9	0.9	0.9	0.9
62.5°	0.9	0.9	0.9	0.9	0.9
65°	0.9	0.9	0.9	0.9	0.9
67.5°	0.9	0.9	0.9	0.9	0.9
70°	0.9	0.9	0.9	0.9	0.9
72.5°	0.9	0.9	0.9	0.9	0.9
75°	0.0	0.0	0.0	0.0	0.9
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)