

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: P1320060

Luminaire Tested: LDSQA3D13R159840DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1320060  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R159840DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

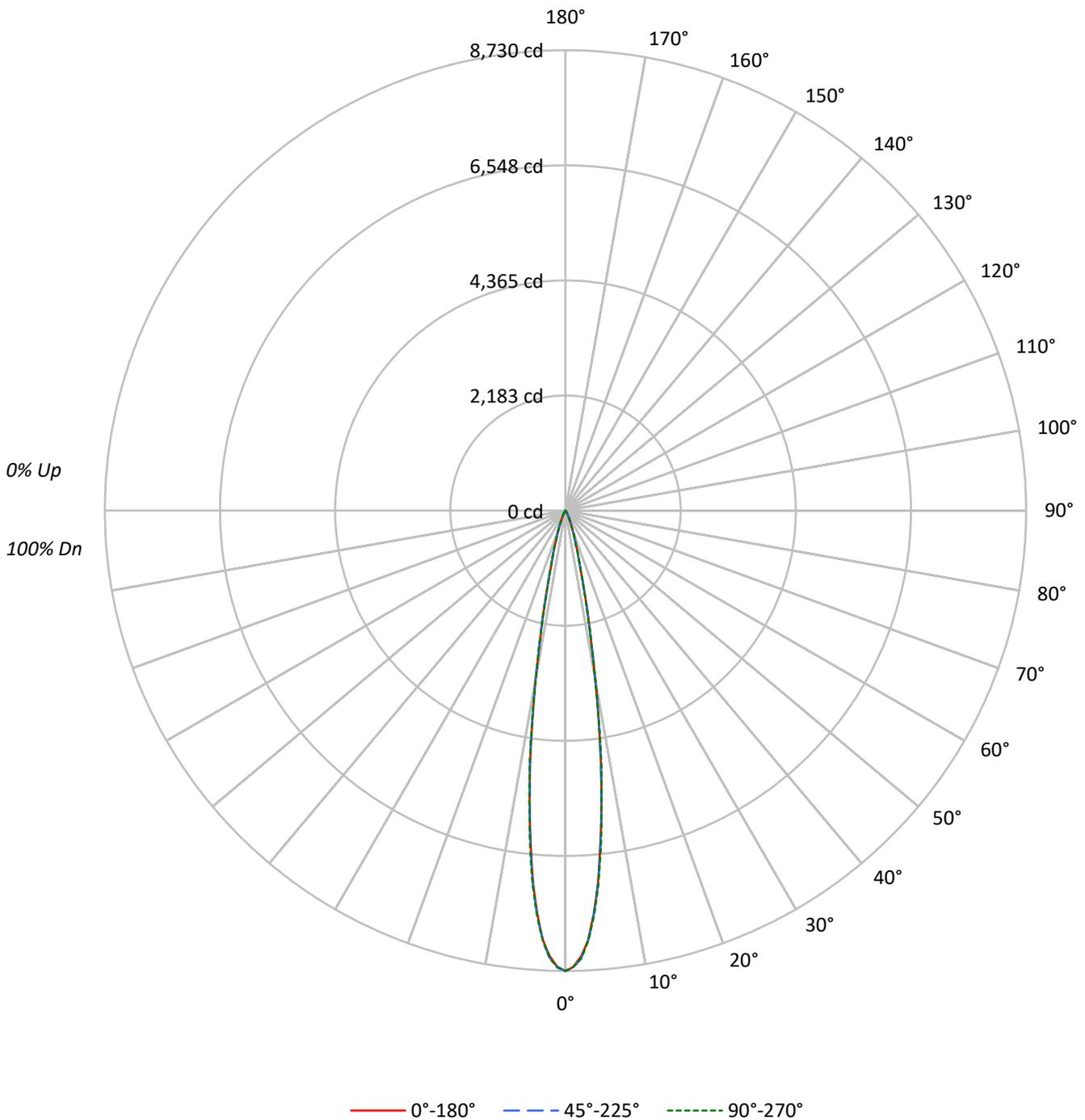
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 980.0 lumens  
Efficiency: N/A  
Efficacy: 67.6 lumens/watt  
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.5  
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





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

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

	0°	45°	90°
0°	1503435	1503435	1503435
5°	1222507	1226760	1231013
10°	569338	569880	566784
15°	176158	182470	179047
20°	70231	74172	69388
25°	29397	34661	27934
30°	11932	15909	11017
35°	3890	7274	3553
40°	1394	2945	1394
45°	560	926	560
50°	402	616	402
55°	450	450	450
60°	517	517	517
65°	326	326	326
70°	403	403	403
75°	532	532	532
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 926 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	546.4	55.8
10°-20°	326.7	33.3
20°-30°	83.1	8.5
30°-40°	18.1	1.8
40°-50°	2.9	0.3
50°-60°	1.4	0.1
60°-70°	0.9	0.1
70°-80°	0.5	0.1
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°	956.3	97.6
0°-40°	974.3	99.4
0°-60°	978.6	99.9
0°-90°	980.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	980.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	8730	8730	8730	8730	8730	
5°	7071	7081	7096	7064	7121	545
15°	988	1016	1023	1009	1004	325
25°	155	165	182	162	147	79
35°	18	24	35	23	17	15
45°	2	3	4	3	2	2
55°	2	2	2	2	2	1
65°	1	1	1	1	1	1
75°	1	1	1	1	1	1
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°	8729.6	8729.6	8729.6	8729.6	8729.6
1°	8653.4	8668.0	8670.3	8668.0	8655.7
2°	8458.7	8501.8	8492.6	8474.1	8500.3
3°	8157.9	8179.4	8176.3	8177.9	8171.7
4°	7668.5	7706.2	7684.7	7700.8	7702.4
5°	7071.4	7081.4	7096.0	7063.7	7120.6
6°	6336.6	6400.4	6344.3	6399.7	6422.0
7°	5589.4	5626.3	5554.8	5593.3	5616.3
8°	4825.3	4760.7	4799.9	4800.7	4876.9
9°	4000.5	4013.5	4046.6	4008.9	4042.0
10°	3255.6	3285.6	3258.7	3245.6	3241.0
11°	2570.8	2604.6	2602.3	2606.2	2580.8
12°	2068.3	2050.6	2062.2	2024.5	2041.4
13°	1609.7	1610.5	1601.3	1585.9	1572.0
14°	1261.2	1253.5	1275.0	1255.8	1238.1
15°	988.0	1015.7	1023.4	1008.8	1004.2
17.5°	609.4	610.2	621.0	607.1	605.6
20°	383.2	392.4	404.7	390.1	378.6
22.5°	242.4	250.8	270.1	251.6	235.5
25°	154.7	165.4	182.4	161.6	147.0
27.5°	97.0	107.0	123.1	103.9	93.1
30°	60.0	66.9	80.0	65.4	55.4
32.5°	34.6	41.6	52.3	39.2	33.1
35°	18.5	23.9	34.6	23.1	16.9
37.5°	10.8	13.9	22.3	12.3	10.0
40°	6.2	8.5	13.1	7.7	6.2
42.5°	3.8	5.4	6.2	4.6	3.1
45°	2.3	3.1	3.8	3.1	2.3
47.5°	1.5	2.3	3.1	1.5	1.5
50°	1.5	1.5	2.3	1.5	1.5
52.5°	1.5	1.5	1.5	1.5	1.5
55°	1.5	1.5	1.5	1.5	1.5
57.5°	1.5	1.5	1.5	1.5	1.5
60°	1.5	1.5	1.5	1.5	1.5
62.5°	0.8	0.8	0.8	0.8	0.8
65°	0.8	0.8	0.8	0.8	0.8
67.5°	0.8	0.8	0.8	0.8	0.8
70°	0.8	0.8	0.8	0.8	0.8
72.5°	0.8	0.8	0.8	0.8	0.8
75°	0.8	0.8	0.8	0.8	0.8
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)