

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: P1311482

Luminaire Tested: LDSQA3D13R309040DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311482  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R309040DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

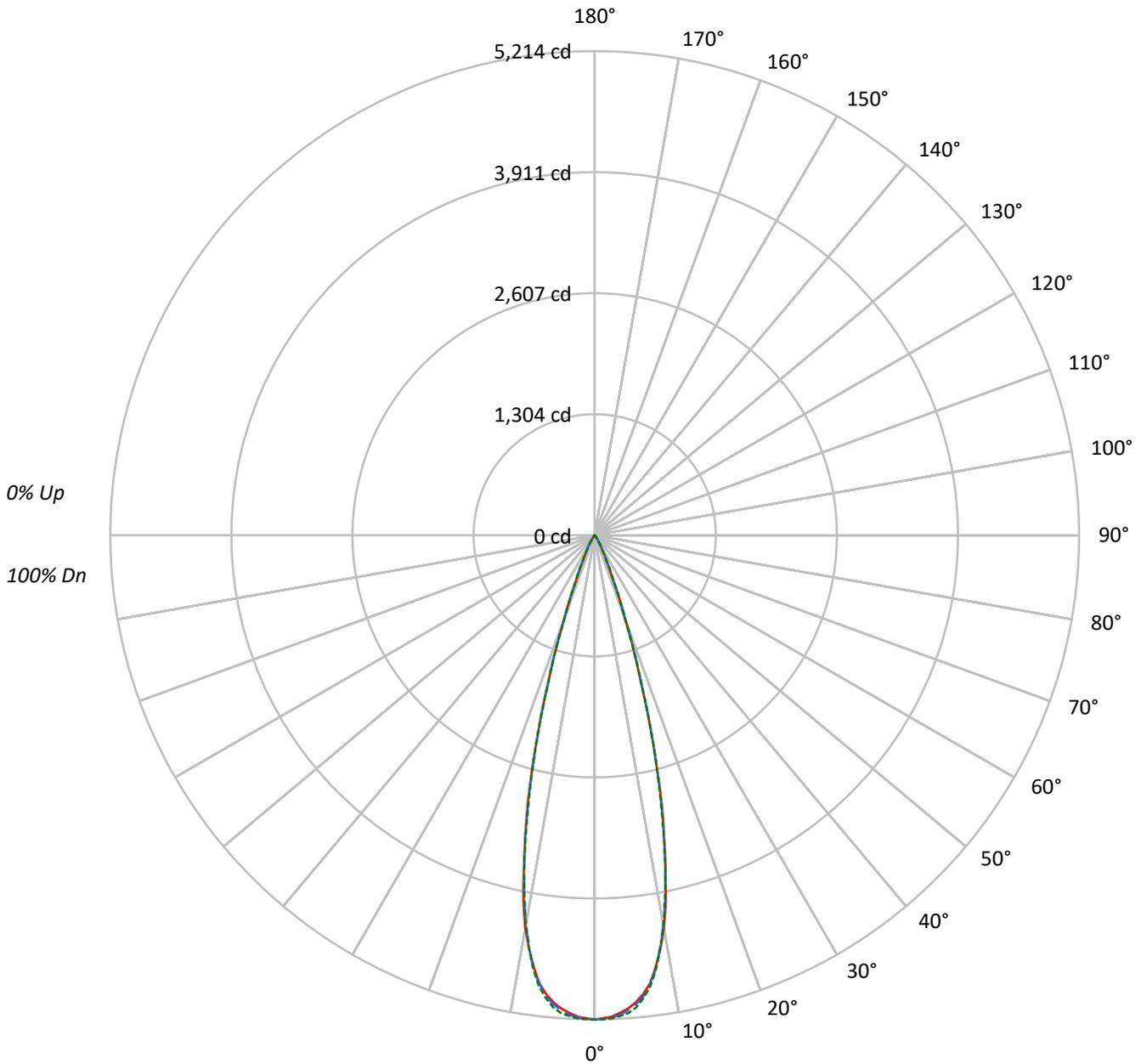
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1355.9 lumens  
Efficiency: N/A  
Efficacy: 92.9 lumens/watt  
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46  
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	98	97	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	95	94	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	92	91	91
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	88	88
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	85	85
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	83	83	83
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	81	81	81
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	78	78	78
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	76	76	76
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	74	74	74

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

	0°	45°	90°
0°	897934	897934	897934
5°	873340	877127	882555
10°	750985	744584	745301
15°	461453	457709	458083
20°	175615	175999	172737
25°	55868	58832	56058
30°	22472	27881	23088
35°	7253	12320	7253
40°	3282	5418	3282
45°	1267	2289	1267
50°	563	1125	563
55°	631	631	631
60°	723	723	723
65°	408	408	408
70°	504	504	504
75°	665	665	665
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 2289 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	459.9	33.9
10°-20°	682.3	50.3
20°-30°	169.5	12.5
30°-40°	33.8	2.5
40°-50°	6.2	0.5
50°-60°	1.9	0.1
60°-70°	1.4	0.1
70°-80°	0.9	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°	1311.7	96.7
0°-40°	1345.5	99.2
0°-60°	1353.6	99.8
0°-90°	1355.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1355.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5214	5214	5214	5214	5214	
5°	5052	5068	5074	5081	5105	459
15°	2588	2593	2567	2576	2569	685
25°	294	300	310	306	295	165
35°	34	45	59	44	34	28
45°	5	6	9	7	5	5
55°	2	2	2	2	2	2
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°	5213.8	5213.8	5213.8	5213.8	5213.8
1°	5202.3	5208.6	5212.8	5212.8	5212.8
2°	5187.6	5191.8	5198.1	5199.2	5207.5
3°	5153.1	5162.5	5173.0	5179.3	5183.5
4°	5111.3	5123.8	5130.1	5145.8	5159.4
5°	5051.7	5068.4	5073.6	5080.9	5105.0
6°	4971.1	4983.7	4994.1	4997.3	5011.9
7°	4864.4	4870.7	4868.6	4873.8	4900.0
8°	4702.3	4704.3	4722.1	4710.6	4728.4
9°	4509.8	4501.4	4497.2	4505.6	4506.6
10°	4294.3	4266.0	4257.7	4250.3	4261.8
11°	4015.0	3978.3	3981.5	3979.4	3962.7
12°	3667.7	3663.5	3636.3	3641.5	3666.6
13°	3313.0	3320.3	3315.1	3321.4	3293.1
14°	2980.4	2944.8	2954.2	2918.6	2932.2
15°	2588.1	2593.3	2567.1	2575.5	2569.2
17.5°	1657.0	1668.5	1660.2	1652.9	1664.4
20°	958.2	957.2	960.3	950.9	942.5
22.5°	504.2	511.5	521.0	522.0	528.3
25°	294.0	300.2	309.6	305.5	295.0
27.5°	179.9	191.4	206.1	195.6	183.1
30°	113.0	122.4	140.2	123.4	116.1
32.5°	63.8	77.4	92.1	77.4	63.8
35°	34.5	45.0	58.6	43.9	34.5
37.5°	23.0	26.2	38.7	26.2	23.0
40°	14.6	17.8	24.1	17.8	14.6
42.5°	8.4	11.5	13.6	11.5	8.4
45°	5.2	6.3	9.4	7.3	5.2
47.5°	2.1	3.1	6.3	3.1	3.1
50°	2.1	2.1	4.2	2.1	2.1
52.5°	2.1	2.1	2.1	2.1	2.1
55°	2.1	2.1	2.1	2.1	2.1
57.5°	2.1	2.1	2.1	2.1	2.1
60°	2.1	2.1	2.1	2.1	2.1
62.5°	2.1	2.1	2.1	2.1	2.1
65°	1.0	1.0	1.0	1.0	1.0
67.5°	1.0	1.0	1.0	1.0	1.0
70°	1.0	1.0	1.0	1.0	1.0
72.5°	1.0	1.0	1.0	1.0	1.0
75°	1.0	1.0	1.0	1.0	1.0
77.5°	1.0	1.0	1.0	1.0	1.0
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)