

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: P1311639

Luminaire Tested: LDSQA3D17R309040DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311639  
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: LDSQA3D17R309040DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

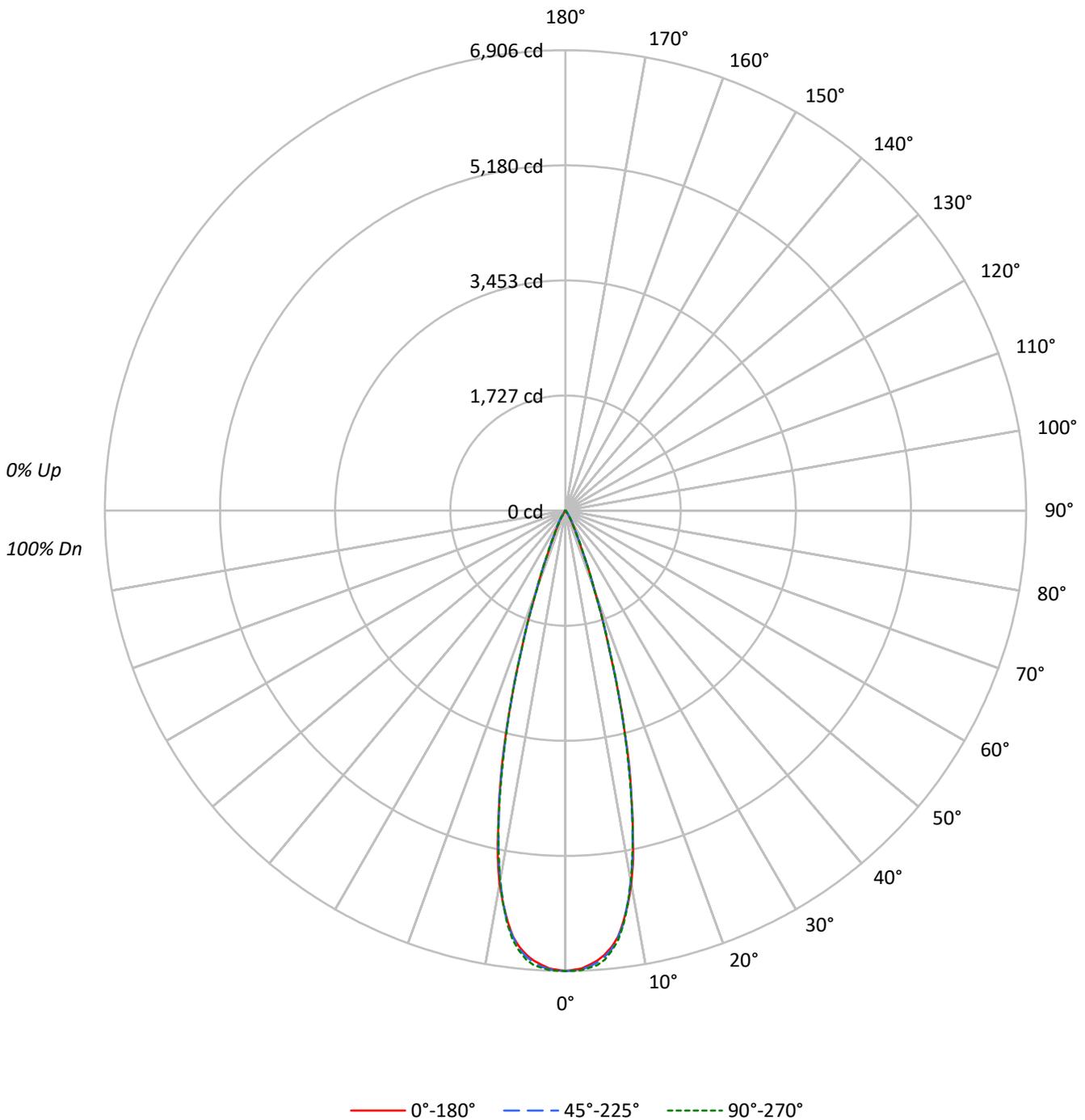
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1796.1 lumens  
Efficiency: N/A  
Efficacy: 84.7 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): 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





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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	100	99	98	100
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	98	96	95	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	95	93	92	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	93	91	89	91
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	93	91	89	88
5	102	96	92	89	100	95	91	89	93	90	88	92	89	87	91	88	86	91	88	86	85
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	88	86	84	83
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	86	84	82	81
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	84	81	79	78
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	82	79	77	76
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	80	77	75	74

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

	0°	45°	90°
0°	1189301	1189301	1189301
5°	1156709	1161740	1168932
10°	994662	986180	987142
15°	611188	606231	606730
20°	232613	233108	228801
25°	73977	77930	74243
30°	29750	36929	30586
35°	9608	16315	9608
40°	4362	7172	4362
45°	1681	3044	1681
50°	750	1474	750
55°	841	841	841
60°	964	964	964
65°	571	571	571
70°	705	705	705
75°	932	932	932
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 3044 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	609.1	33.9
10°-20°	903.6	50.3
20°-30°	224.5	12.5
30°-40°	44.8	2.5
40°-50°	8.2	0.5
50°-60°	2.6	0.1
60°-70°	1.9	0.1
70°-80°	1.3	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°	1737.3	96.7
0°-40°	1782.1	99.2
0°-60°	1792.9	99.8
0°-90°	1796.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1796.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	6906	6906	6906	6906	6906	
5°	6691	6713	6720	6730	6762	608
15°	3428	3435	3400	3411	3403	907
25°	389	398	410	405	391	218
35°	46	60	78	58	46	37
45°	7	8	12	10	7	6
55°	3	3	3	3	3	3
65°	1	1	1	1	1	2
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°	6905.6	6905.6	6905.6	6905.6	6905.6
1°	6890.4	6898.7	6904.2	6904.2	6904.2
2°	6871.0	6876.5	6884.8	6886.2	6897.3
3°	6825.2	6837.7	6851.6	6859.9	6865.4
4°	6769.8	6786.4	6794.8	6815.5	6833.5
5°	6690.8	6713.0	6719.9	6729.6	6761.5
6°	6584.1	6600.8	6614.6	6618.8	6638.2
7°	6442.8	6451.1	6448.4	6455.3	6489.9
8°	6228.1	6230.8	6254.4	6239.1	6262.7
9°	5973.1	5962.0	5956.5	5967.6	5969.0
10°	5687.7	5650.3	5639.2	5629.5	5644.7
11°	5317.8	5269.3	5273.4	5270.6	5248.5
12°	4857.7	4852.2	4816.2	4823.1	4856.4
13°	4388.0	4397.7	4390.8	4399.1	4361.7
14°	3947.4	3900.3	3912.8	3865.7	3883.7
15°	3427.9	3434.8	3400.1	3411.2	3402.9
17.5°	2194.7	2210.0	2198.9	2189.2	2204.4
20°	1269.2	1267.8	1271.9	1259.5	1248.4
22.5°	667.8	677.5	690.0	691.4	699.7
25°	389.3	397.7	410.1	404.6	390.7
27.5°	238.3	253.6	273.0	259.1	242.5
30°	149.6	162.1	185.7	163.5	153.8
32.5°	84.5	102.5	121.9	102.5	84.5
35°	45.7	59.6	77.6	58.2	45.7
37.5°	30.5	34.6	51.3	34.6	30.5
40°	19.4	23.6	31.9	23.6	19.4
42.5°	11.1	15.2	18.0	15.2	11.1
45°	6.9	8.3	12.5	9.7	6.9
47.5°	2.8	4.2	8.3	4.2	4.2
50°	2.8	2.8	5.5	2.8	2.8
52.5°	2.8	2.8	2.8	2.8	2.8
55°	2.8	2.8	2.8	2.8	2.8
57.5°	2.8	2.8	2.8	2.8	2.8
60°	2.8	2.8	2.8	2.8	2.8
62.5°	2.8	2.8	2.8	2.8	2.8
65°	1.4	1.4	1.4	1.4	1.4
67.5°	1.4	1.4	1.4	1.4	1.4
70°	1.4	1.4	1.4	1.4	1.4
72.5°	1.4	1.4	1.4	1.4	1.4
75°	1.4	1.4	1.4	1.4	1.4
77.5°	1.4	1.4	1.4	1.4	1.4
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)