

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: P1312860

Luminaire Tested: LDSQA3D20R309050D010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1312860  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R309050D010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

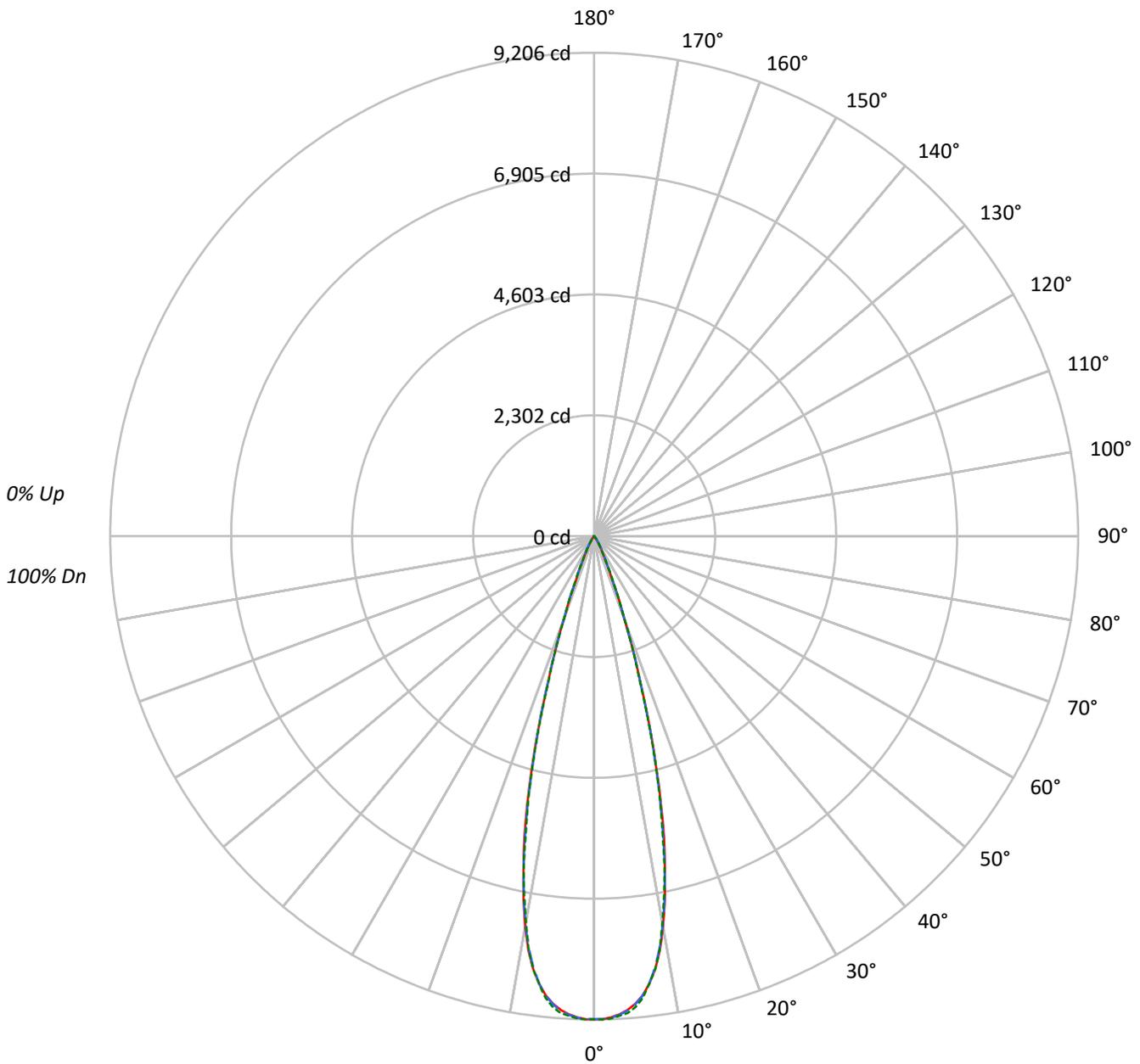
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2374.0 lumens  
Efficiency: N/A  
Efficacy: 82.4 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): 28.8  
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



— 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	115	113	111	110	113	111	109	108	107	106	105	103	102	101	100	99	99	99	99	99	97
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	96	95	95	94	94	94
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	92	92	92	91
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	89	89	89	88
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	87	87	87	86
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	84	84	84	83
7	96	90	86	83	95	90	86	83	89	85	83	87	85	82	87	84	82	82	82	82	81
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	84	82	80	80	80	80	79
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	78	78	78	77
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	76	76	76	75

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

	0°	45°	90°
0°	1584517	1584517	1584517
5°	1545880	1547799	1556409
10°	1320287	1314149	1306402
15°	814768	805229	808189
20°	307940	309626	309296
25°	94728	103850	98947
30°	38182	48464	39654
35°	11248	20583	11648
40°	4564	8296	4564
45°	901	2704	901
50°	0	482	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: 2704 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	811.5	34.2
10°-20°	1201.5	50.6
20°-30°	298.0	12.6
30°-40°	55.9	2.4
40°-50°	7.0	0.3
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°	2311.0	97.3
0°-40°	2366.9	99.7
0°-60°	2374.0	100.0
0°-90°	2374.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2374.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	9200	9200	9200	9200	9200	
5°	8942	8938	8953	8968	9003	812
15°	4570	4525	4516	4551	4533	1207
25°	498	532	546	545	521	287
35°	54	70	98	72	55	45
45°	4	6	11	7	4	4
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°	9200.4	9200.4	9200.4	9200.4	9200.4
1°	9204.1	9196.7	9196.7	9185.6	9205.9
2°	9170.8	9163.4	9176.4	9167.1	9193.0
3°	9121.0	9111.7	9130.2	9135.7	9148.7
4°	9047.1	9039.7	9060.0	9071.1	9106.2
5°	8941.9	8938.2	8953.0	8967.7	9002.8
6°	8797.9	8792.3	8801.6	8820.0	8842.2
7°	8589.2	8578.1	8585.5	8589.2	8594.8
8°	8325.2	8308.6	8299.3	8319.7	8330.7
9°	7985.5	7967.0	7946.7	7939.3	7965.2
10°	7549.7	7522.0	7514.6	7496.2	7470.3
11°	7043.8	7021.7	7016.1	6982.9	6968.1
12°	6464.1	6453.0	6465.9	6445.6	6438.2
13°	5908.3	5838.2	5828.9	5790.2	5769.8
14°	5251.0	5186.4	5184.6	5164.2	5191.9
15°	4569.7	4525.4	4516.2	4551.3	4532.8
17.5°	2913.5	2943.1	2935.7	2917.2	2885.8
20°	1680.2	1659.9	1689.4	1696.8	1687.6
22.5°	895.5	902.9	908.4	930.6	945.3
25°	498.5	531.7	546.5	544.7	520.7
27.5°	310.2	330.5	358.2	339.7	319.4
30°	192.0	208.6	243.7	210.5	199.4
32.5°	103.4	131.1	156.9	131.1	107.1
35°	53.5	70.2	97.9	72.0	55.4
37.5°	35.1	40.6	62.8	40.6	35.1
40°	20.3	25.8	36.9	25.8	20.3
42.5°	9.2	14.8	20.3	14.8	9.2
45°	3.7	5.5	11.1	7.4	3.7
47.5°	0.0	1.8	5.5	1.8	0.0
50°	0.0	0.0	1.8	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)