

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: P1315734

Luminaire Tested: LDSQA3D17R209735DE010 3LSQPHR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315734  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R209735DE010 3LSQPHR1MB  
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 97CRI , 3LSQPHR1MB TRIM  
Light Source: -  
Ballast/Driver: -

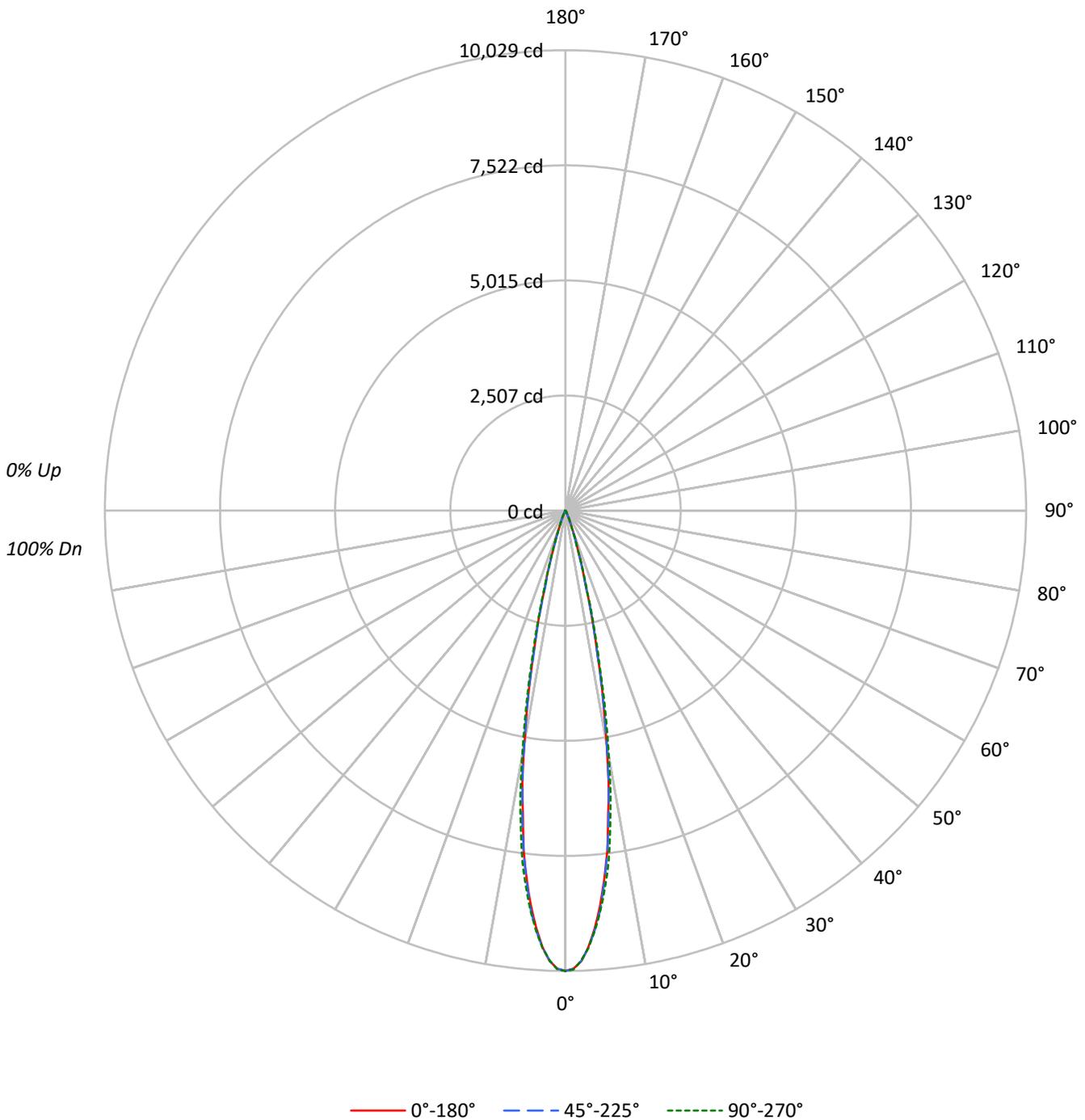
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1347.0 lumens  
Efficiency: N/A  
Efficacy: 63.5 lumens/watt  
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33  
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	102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	98	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	98	96	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	95	96	95	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92	95	93	92	91
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	93	91	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	92	90	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	91	88	87	86
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	89	87	85	85
10	95	90	87	85	95	90	87	85	89	86	84	88	86	84	88	86	84	88	86	84	83

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

	0°	45°	90°
0°	1727186	1727186	1727186
5°	1492097	1505997	1511598
10°	898216	906610	951729
15°	310684	303410	327587
20°	81594	76756	76976
25°	17786	21435	24399
30°	7636	7636	7875
35°	4289	3784	4037
40°	1888	2158	2428
45°	585	877	877
50°	322	322	322
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: 22.5°  
 Vertical Angle: 45°  
 Luminance: 877 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	717.3	53.3
10°-20°	546.1	40.5
20°-30°	67.5	5.0
30°-40°	12.8	0.9
40°-50°	3.1	0.2
50°-60°	0.2	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°	1330.9	98.8
0°-40°	1343.7	99.8
0°-60°	1347.0	100.0
0°-90°	1347.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1347.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	10029	10029	10029	10029	10029	
5°	8631	8625	8711	8705	8744	712
15°	1742	1680	1702	1804	1837	546
25°	94	107	113	118	128	64
35°	20	20	18	19	19	13
45°	2	4	4	4	4	2
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°	10028.8	10028.8	10028.8	10028.8	10028.8
1°	9982.0	9970.0	9979.6	9959.2	10001.2
2°	9822.4	9810.4	9810.4	9798.4	9804.4
3°	9524.8	9544.0	9532.0	9506.8	9539.2
4°	9119.2	9140.8	9160.0	9161.2	9166.0
5°	8630.8	8624.8	8711.2	8705.2	8743.6
6°	8073.9	8066.7	8103.9	8166.3	8243.1
7°	7461.9	7374.3	7473.9	7599.9	7703.1
8°	6669.9	6692.7	6761.1	6909.9	6992.7
9°	5997.8	5864.6	6009.8	6187.5	6277.5
10°	5136.2	5028.2	5184.2	5371.4	5442.2
12.5°	3232.9	3139.3	3189.7	3386.5	3417.7
15°	1742.5	1680.1	1701.7	1803.7	1837.3
17.5°	889.2	832.8	820.8	885.6	892.8
20°	445.2	432.0	418.8	424.8	420.0
22.5°	206.4	224.4	222.0	210.0	224.4
25°	93.6	106.8	112.8	117.6	128.4
27.5°	57.6	55.2	63.6	68.4	69.6
30°	38.4	37.2	38.4	39.6	39.6
32.5°	27.6	26.4	25.2	25.2	26.4
35°	20.4	20.4	18.0	19.2	19.2
37.5°	14.4	14.4	13.2	14.4	14.4
40°	8.4	9.6	9.6	9.6	10.8
42.5°	4.8	6.0	6.0	6.0	6.0
45°	2.4	3.6	3.6	3.6	3.6
47.5°	1.2	1.2	1.2	2.4	2.4
50°	1.2	1.2	1.2	1.2	1.2
52.5°	1.2	0.0	0.0	0.0	1.2
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
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)