

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: P1317594

Luminaire Tested: LDSQA3D17R209827DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317594  
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: LDSQA3D17R209827DE010 3LSQPHR1MMS  
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 98CRI , 3LSQPHR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

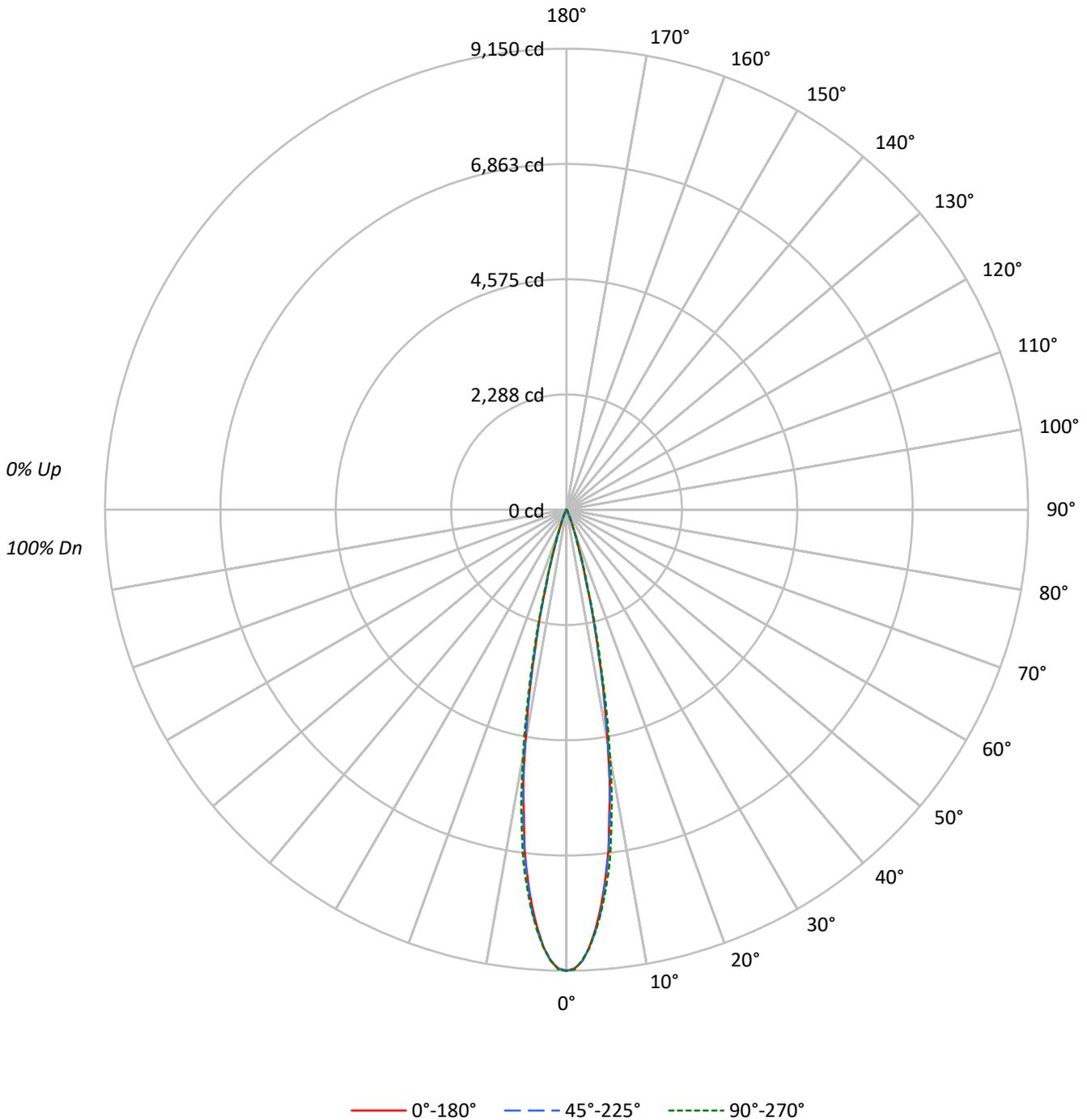
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1229.0 lumens  
Efficiency: N/A  
Efficacy: 60.2 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): 20.4  
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									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	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	102	102	102	102	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	100	100	100	100	100	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	97	97	97	97	97	97	97	97	97	97	97	97	96															
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	95	95	95	95	95	95	95	95	95	95	95	95	94															
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	94	93	93	93	93	93	93	93	93	93	93	93	93	93	93	92															
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92	92	92	92	92	92	92	92	92	92	92	92	92	92	91															
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	90	90	90	90	90	90	90	90	90	90	90	90	90	89															
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	89	89	89	89	89	89	89	89	89	89	89	89	89	89	87															
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	89	87	87	87	87	87	87	87	87	87	87	87	87	87	87	86															
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	86	86	86	86	86	86	86	86	86	86	86	86	86	86	85															
10	95	90	87	85	95	90	87	85	89	86	84	88	86	84	88	86	84	84	84	84	84	84	84	84	84	84	84	84	84	84	83															

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

	0°	45°	90°
0°	1575889	1575889	1575889
5°	1361382	1374054	1379172
10°	819538	827197	868364
15°	283458	276825	298881
20°	74447	70030	70231
25°	16228	19554	22271
30°	6960	6960	7179
35°	3911	3448	3679
40°	1731	1978	2226
45°	536	804	804
50°	295	295	295
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: 804 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	654.5	53.3
10°-20°	498.3	40.5
20°-30°	61.6	5.0
30°-40°	11.7	0.9
40°-50°	2.8	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°	1214.4	98.8
0°-40°	1226.0	99.8
0°-60°	1229.0	100.0
0°-90°	1229.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1229.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	9150	9150	9150	9150	9150	
5°	7875	7869	7948	7943	7978	649
15°	1590	1533	1553	1646	1676	498
25°	85	97	103	107	117	59
35°	19	19	16	18	18	12
45°	2	3	3	3	3	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°	9150.3	9150.3	9150.3	9150.3	9150.3
1°	9107.6	9096.6	9105.4	9086.8	9125.1
2°	8961.9	8951.0	8951.0	8940.0	8945.5
3°	8690.4	8707.9	8697.0	8674.0	8703.5
4°	8320.3	8340.0	8357.5	8358.6	8363.0
5°	7874.7	7869.2	7948.0	7942.6	7977.6
6°	7366.6	7360.1	7394.0	7450.9	7521.0
7°	6808.2	6728.3	6819.2	6934.1	7028.3
8°	6085.6	6106.4	6168.8	6304.6	6380.1
9°	5472.4	5350.9	5483.4	5645.4	5727.5
10°	4686.3	4587.7	4730.1	4900.9	4965.5
12.5°	2949.7	2864.3	2910.3	3089.9	3118.3
15°	1589.8	1532.9	1552.6	1645.7	1676.3
17.5°	811.3	759.9	748.9	808.1	814.6
20°	406.2	394.2	382.1	387.6	383.2
22.5°	188.3	204.8	202.6	191.6	204.8
25°	85.4	97.4	102.9	107.3	117.2
27.5°	52.6	50.4	58.0	62.4	63.5
30°	35.0	33.9	35.0	36.1	36.1
32.5°	25.2	24.1	23.0	23.0	24.1
35°	18.6	18.6	16.4	17.5	17.5
37.5°	13.1	13.1	12.0	13.1	13.1
40°	7.7	8.8	8.8	8.8	9.9
42.5°	4.4	5.5	5.5	5.5	5.5
45°	2.2	3.3	3.3	3.3	3.3
47.5°	1.1	1.1	1.1	2.2	2.2
50°	1.1	1.1	1.1	1.1	1.1
52.5°	1.1	0.0	0.0	0.0	1.1
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)