

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: P1319398

Luminaire Tested: LDSQA3D17R359835DE010 3LSQPHR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319398  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R359835DE010 3LSQPHR1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 98CRI , 3LSQPHR1MW TRIM  
Light Source: -  
Ballast/Driver: -

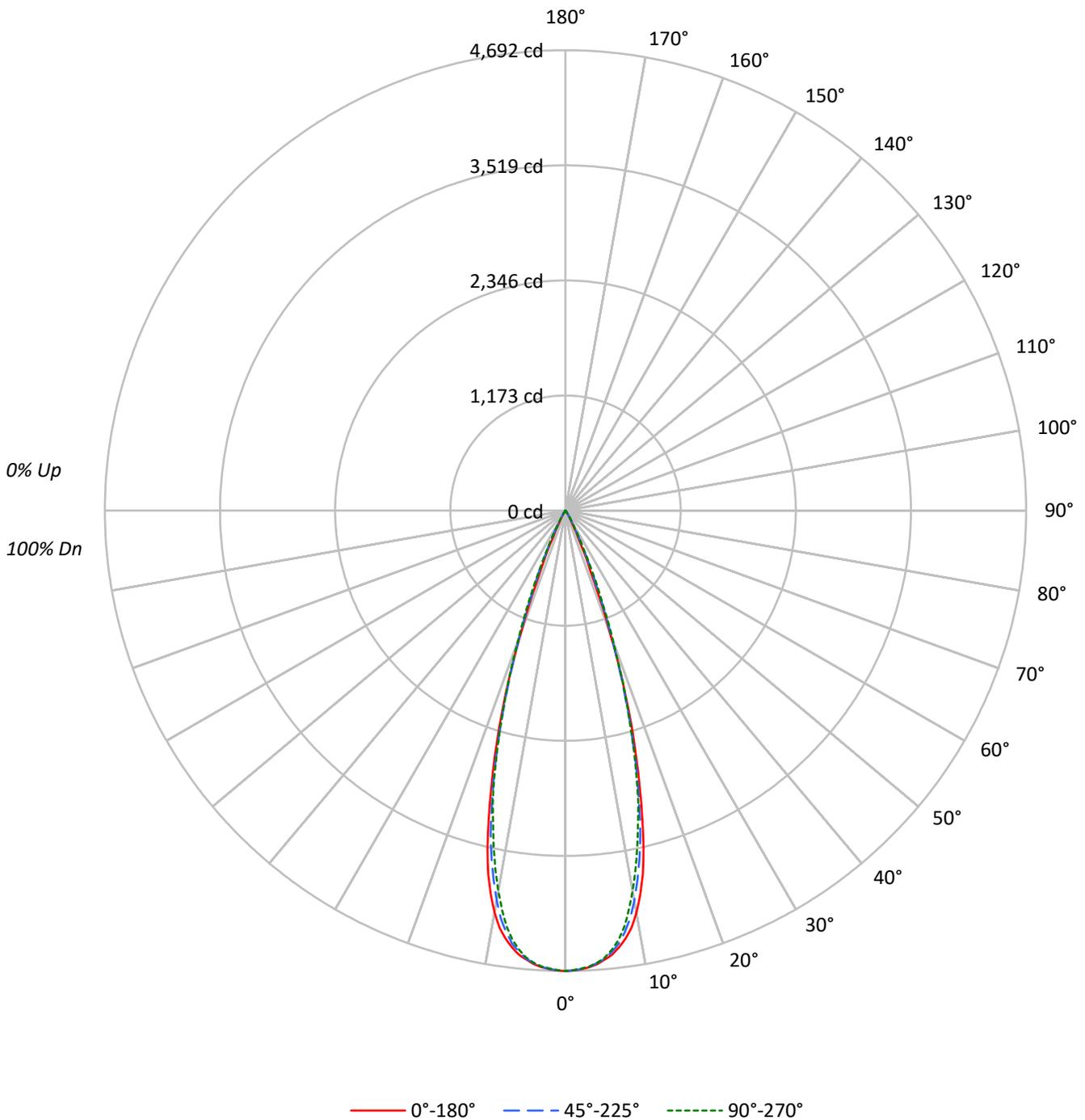
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1424.0 lumens  
Efficiency: N/A  
Efficacy: 69.8 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51  
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

TEST NUMBER: P1319398  
CATALOG NUMBER: LDSQA3D17R359835DE010 3LSQPHR1MW

### 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	100	100	100
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	97	97	97
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	93	93	93	93
3	108	103	100	97	106	102	99	96	99	97	94	97	95	93	95	93	92	90	90	90	90
4	104	99	95	92	103	98	94	92	96	93	91	94	92	90	93	90	89	87	87	87	87
5	101	95	91	88	100	95	91	88	93	90	87	92	89	87	90	88	86	85	85	85	85
6	98	92	88	85	97	91	88	85	90	87	84	89	86	84	88	85	83	82	82	82	82
7	96	89	85	82	94	89	85	82	87	84	81	86	83	81	85	83	81	80	80	80	80
8	93	86	82	79	92	86	82	79	85	81	79	84	81	79	83	80	78	77	77	77	77
9	90	84	80	77	89	83	79	77	82	79	76	82	79	76	81	78	76	75	75	75	75
10	88	81	77	75	87	81	77	74	80	77	74	80	76	74	79	76	74	73	73	73	73

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

	0°	45°	90°
0°	808000	808000	808000
5°	794127	792415	790721
10°	727796	705918	688763
15°	521147	504530	498396
20°	241667	249969	258748
25°	57331	81578	85075
30°	16824	19270	21716
35°	3869	6181	5677
40°	832	1664	1102
45°	292	292	292
50°	322	0	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: 0°

Vertical Angle: 52.5°

Luminance: 339 cd/sqm



TEST NUMBER: P1319398

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	421.2	29.6
10°-20°	753.0	52.9
20°-30°	226.6	15.9
30°-40°	21.7	1.5
40°-50°	1.5	0.1
50°-60°	0.1	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°	1400.8	98.4
0°-40°	1422.4	99.9
0°-60°	1424.0	100.0
0°-90°	1424.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1424.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4692	4692	4692	4692	4692	
5°	4594	4592	4584	4578	4574	426
15°	2923	2901	2830	2817	2795	772
25°	302	332	429	448	448	194
35°	18	24	29	32	27	17
45°	1	1	1	1	1	1
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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CATALOG NUMBER: LDSQA3D17R359835DE010 3LSQPHR1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4691.6	4691.6	4691.6	4691.6	4691.6
1°	4689.1	4689.1	4686.7	4686.7	4681.8
2°	4678.1	4679.3	4674.4	4673.2	4669.5
3°	4660.9	4657.2	4657.2	4654.8	4652.3
4°	4633.9	4626.6	4624.1	4625.4	4620.4
5°	4593.5	4592.2	4583.6	4577.5	4573.8
6°	4549.3	4540.7	4522.3	4506.4	4502.7
7°	4483.1	4464.7	4448.7	4415.6	4410.7
8°	4402.1	4372.7	4338.3	4291.7	4289.3
9°	4302.8	4254.9	4207.1	4144.5	4122.5
10°	4161.7	4117.6	4036.6	3981.4	3938.5
11°	3986.3	3931.1	3836.7	3770.4	3734.9
12°	3787.6	3736.1	3625.7	3565.6	3515.3
13°	3532.5	3489.6	3386.5	3320.3	3281.0
14°	3236.9	3205.0	3106.9	3077.4	3063.9
15°	2922.9	2900.8	2829.7	2817.4	2795.3
17.5°	2151.4	2114.6	2074.1	2081.5	2088.8
20°	1318.6	1370.1	1363.9	1390.9	1411.8
22.5°	657.4	723.7	800.9	847.6	870.9
25°	301.7	332.4	429.3	447.7	447.7
27.5°	152.1	159.5	202.4	206.1	215.9
30°	84.6	90.8	96.9	107.9	109.2
32.5°	42.9	50.3	52.7	58.9	56.4
35°	18.4	24.5	29.4	31.9	27.0
37.5°	8.6	11.0	15.9	14.7	11.0
40°	3.7	4.9	7.4	6.1	4.9
42.5°	2.5	2.5	3.7	2.5	2.5
45°	1.2	1.2	1.2	1.2	1.2
47.5°	1.2	1.2	0.0	1.2	1.2
50°	1.2	0.0	0.0	0.0	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



TEST NUMBER: P1319398  
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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)