

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: P1318519

Luminaire Tested: LDSQA3D17R359830DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1318519  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-37)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R359830DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

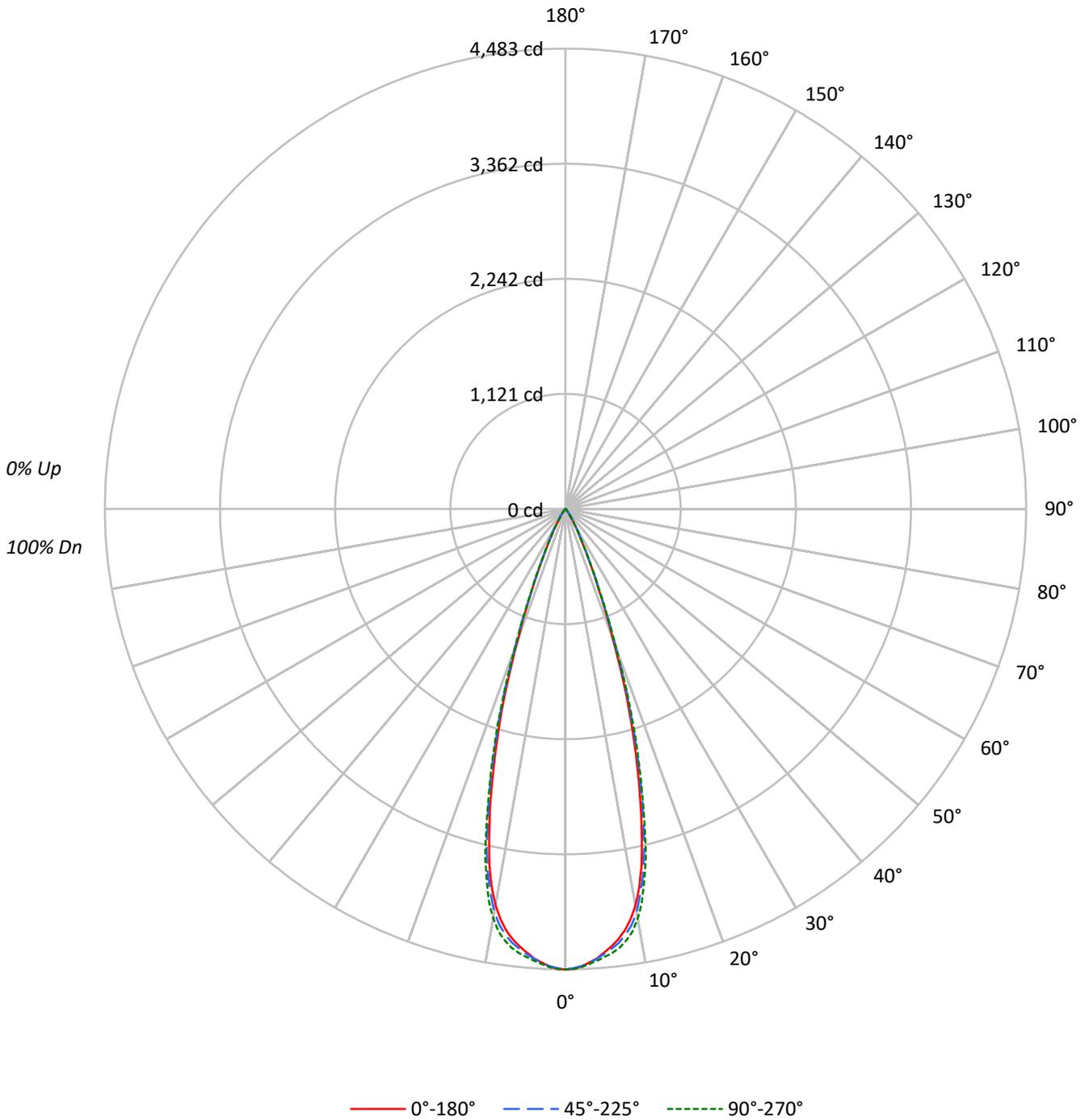
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1506.0 lumens  
Efficiency: N/A  
Efficacy: 73.8 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52  
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			
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96		
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	93		
3	107	102	98	95	105	101	97	95	98	96	93	96	94	92	94	92	90	89		
4	103	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	86		
5	100	94	90	86	99	93	89	86	91	88	85	90	87	85	89	86	84	83		
6	97	90	86	83	96	90	86	83	88	85	82	87	84	82	86	83	81	80		
7	94	87	83	80	93	87	82	79	85	82	79	84	81	79	83	81	78	77		
8	91	84	80	77	90	84	79	77	83	79	76	82	78	76	81	78	76	75		
9	88	81	77	74	88	81	77	74	80	76	74	79	76	74	79	76	73	72		
10	86	79	75	72	85	78	74	72	78	74	71	77	74	71	76	73	71	70		

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

	0°	45°	90°
0°	772143	772143	772143
5°	749281	751926	757009
10°	685405	697314	708017
15°	491995	510004	515246
20°	247477	261901	262560
25°	93797	96705	97142
30°	38103	43711	37387
35°	13834	21003	13351
40°	5823	8993	5553
45°	1437	3726	1437
50°	938	1581	938
55°	1051	1051	1051
60°	1206	1206	1206
65°	978	978	978
70°	604	604	604
75°	799	799	799
80°	1190	1190	1190
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 3726 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	405.3	26.9
10°-20°	755.2	50.1
20°-30°	271.6	18.0
30°-40°	57.1	3.8
40°-50°	9.8	0.7
50°-60°	3.2	0.2
60°-70°	2.4	0.2
70°-80°	1.3	0.1
80°-90°	0.2	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°	1432.1	95.1
0°-40°	1489.2	98.9
0°-60°	1502.2	99.7
0°-90°	1506.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1506.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4483	4483	4483	4483	4483	
5°	4334	4342	4349	4379	4379	402
15°	2759	2808	2860	2891	2890	734
25°	494	501	509	514	511	262
35°	66	78	100	76	64	50
45°	6	9	15	9	6	7
55°	4	4	4	4	4	3
65°	2	2	2	2	2	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°	4483.4	4483.4	4483.4	4483.4	4483.4
1°	4481.0	4481.0	4471.6	4482.2	4478.7
2°	4456.4	4458.7	4452.8	4465.8	4464.6
3°	4422.3	4428.1	4423.4	4442.3	4436.4
4°	4385.8	4390.5	4388.2	4411.7	4409.3
5°	4334.1	4342.4	4349.4	4378.8	4378.8
6°	4281.2	4289.5	4304.8	4336.5	4347.1
7°	4220.1	4230.7	4255.4	4297.7	4304.8
8°	4142.6	4154.3	4188.4	4234.2	4243.6
9°	4046.2	4063.8	4102.6	4157.9	4163.7
10°	3919.3	3933.4	3987.4	4033.3	4048.6
11°	3754.8	3766.5	3814.7	3888.7	3898.1
12°	3555.0	3569.1	3631.4	3679.5	3688.9
13°	3302.3	3329.3	3404.5	3451.6	3477.4
14°	3042.6	3079.0	3133.1	3200.1	3183.6
15°	2759.4	2807.5	2860.4	2891.0	2889.8
17.5°	2064.8	2093.0	2140.0	2157.7	2181.2
20°	1350.3	1386.7	1429.0	1445.5	1432.6
22.5°	837.9	847.3	860.2	867.3	864.9
25°	493.6	500.6	508.9	513.6	511.2
27.5°	297.3	313.8	325.5	311.4	303.2
30°	191.6	198.6	219.8	201.0	188.0
32.5°	114.0	130.4	148.1	125.7	109.3
35°	65.8	77.6	99.9	76.4	63.5
37.5°	42.3	48.2	64.6	47.0	41.1
40°	25.9	32.9	40.0	30.6	24.7
42.5°	12.9	20.0	23.5	17.6	12.9
45°	5.9	9.4	15.3	9.4	5.9
47.5°	3.5	4.7	9.4	4.7	3.5
50°	3.5	3.5	5.9	3.5	3.5
52.5°	3.5	3.5	3.5	3.5	3.5
55°	3.5	3.5	3.5	3.5	3.5
57.5°	3.5	3.5	3.5	3.5	3.5
60°	3.5	3.5	3.5	3.5	3.5
62.5°	2.4	2.4	2.4	2.4	2.4
65°	2.4	2.4	2.4	2.4	2.4
67.5°	2.4	2.4	2.4	2.4	2.4
70°	1.2	1.2	1.2	1.2	1.2
72.5°	1.2	1.2	1.2	1.2	1.2
75°	1.2	1.2	1.2	1.2	1.2
77.5°	1.2	1.2	1.2	1.2	1.2
80°	1.2	1.2	1.2	1.2	1.2
82.5°	1.2	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)