

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: P1318502

Luminaire Tested: LDSQA3D17R309830DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1318502  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R309830DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

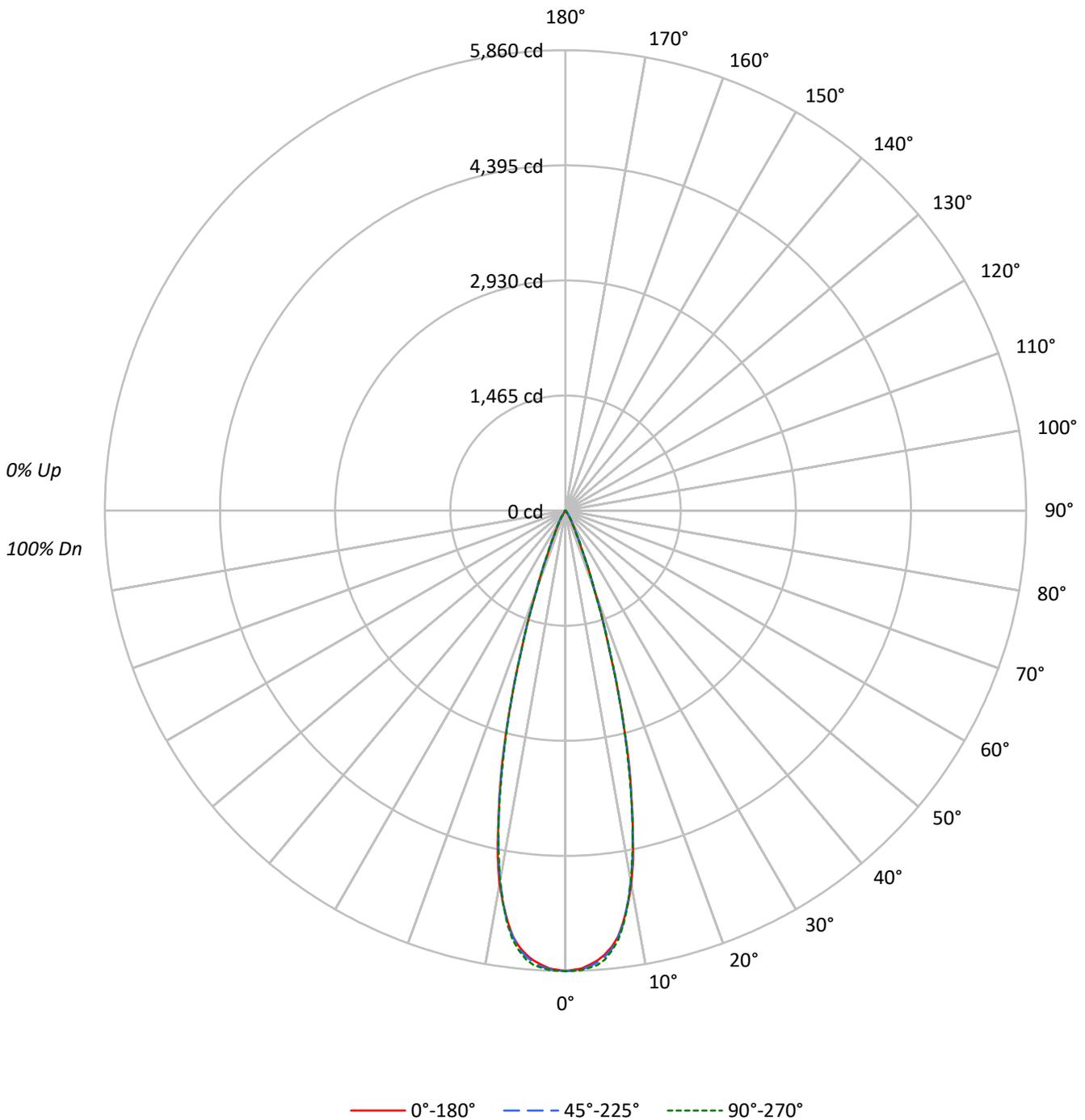
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1524.1 lumens  
Efficiency: N/A  
Efficacy: 74.7 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): 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	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	109	113	111	109	108	107	106	104	103	102	101	100	99	98	98	98	98	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	98	96	95	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	95	93	92	91
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	93	91	89	88
5	102	96	92	89	100	95	91	89	93	90	88	92	89	87	91	88	86	91	88	86	85
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	88	86	84	83
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	86	84	82	81
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	84	81	79	78
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	82	79	77	76
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	80	77	75	74

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

	0°	45°	90°
0°	1009190	1009190	1009190
5°	981529	985799	991902
10°	844021	836833	837655
15°	518615	514425	514853
20°	197388	197809	194144
25°	62785	66129	63013
30°	25256	31321	25952
35°	8158	13834	8158
40°	3710	6070	3710
45°	1437	2582	1437
50°	643	1259	643
55°	721	721	721
60°	827	827	827
65°	489	489	489
70°	604	604	604
75°	799	799	799
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 2582 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	516.9	33.9
10°-20°	766.8	50.3
20°-30°	190.5	12.5
30°-40°	38.0	2.5
40°-50°	6.9	0.5
50°-60°	2.2	0.1
60°-70°	1.6	0.1
70°-80°	1.1	0.1
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°	1474.2	96.7
0°-40°	1512.2	99.2
0°-60°	1521.4	99.8
0°-90°	1524.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1524.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5860	5860	5860	5860	5860	
5°	5678	5696	5702	5710	5738	516
15°	2909	2915	2885	2895	2888	770
25°	330	337	348	343	332	185
35°	39	51	66	49	39	31
45°	6	7	11	8	6	5
55°	2	2	2	2	2	2
65°	1	1	1	1	1	2
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	5859.8	5859.8	5859.8	5859.8	5859.8
1°	5846.8	5853.9	5858.6	5858.6	5858.6
2°	5830.4	5835.1	5842.1	5843.3	5852.7
3°	5791.6	5802.1	5813.9	5821.0	5825.7
4°	5744.5	5758.6	5765.7	5783.3	5798.6
5°	5677.5	5696.3	5702.2	5710.4	5737.5
6°	5587.0	5601.1	5612.9	5616.4	5632.8
7°	5467.1	5474.1	5471.8	5477.7	5507.0
8°	5284.8	5287.2	5307.2	5294.2	5314.2
9°	5068.5	5059.1	5054.4	5063.8	5065.0
10°	4826.3	4794.6	4785.2	4776.9	4789.9
11°	4512.4	4471.2	4474.8	4472.4	4453.6
12°	4122.1	4117.4	4086.8	4092.7	4120.9
13°	3723.5	3731.7	3725.8	3732.9	3701.1
14°	3349.6	3309.6	3320.2	3280.2	3295.5
15°	2908.7	2914.6	2885.2	2894.6	2887.6
17.5°	1862.3	1875.3	1865.9	1857.6	1870.6
20°	1077.0	1075.8	1079.3	1068.7	1059.3
22.5°	566.7	574.9	585.5	586.7	593.7
25°	330.4	337.4	348.0	343.3	331.6
27.5°	202.2	215.2	231.6	219.9	205.7
30°	127.0	137.6	157.5	138.7	130.5
32.5°	71.7	87.0	103.5	87.0	71.7
35°	38.8	50.6	65.8	49.4	38.8
37.5°	25.9	29.4	43.5	29.4	25.9
40°	16.5	20.0	27.0	20.0	16.5
42.5°	9.4	12.9	15.3	12.9	9.4
45°	5.9	7.1	10.6	8.2	5.9
47.5°	2.4	3.5	7.1	3.5	3.5
50°	2.4	2.4	4.7	2.4	2.4
52.5°	2.4	2.4	2.4	2.4	2.4
55°	2.4	2.4	2.4	2.4	2.4
57.5°	2.4	2.4	2.4	2.4	2.4
60°	2.4	2.4	2.4	2.4	2.4
62.5°	2.4	2.4	2.4	2.4	2.4
65°	1.2	1.2	1.2	1.2	1.2
67.5°	1.2	1.2	1.2	1.2	1.2
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°	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)