

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: P1308285

Luminaire Tested: LDSQA3D17R309027DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308285  
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: LDSQA3D17R309027DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

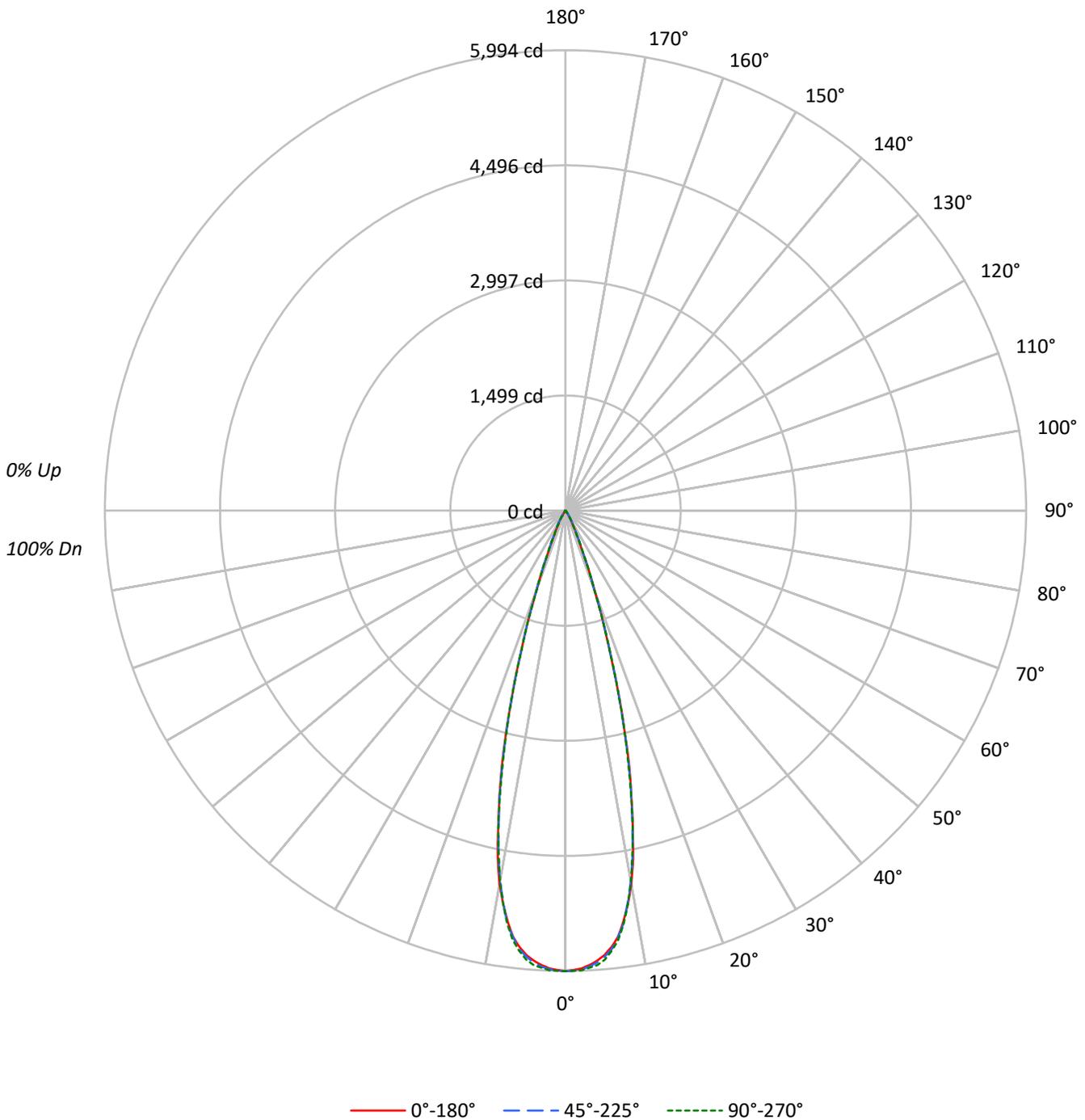
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1559.0 lumens  
Efficiency: N/A  
Efficacy: 73.5 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): 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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	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	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	95	95	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	93	93	91
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	93	91	88
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	91	88	85
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	88	86	83
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	86	84	81
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	84	81	78
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	82	79	76
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	80	77	74

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

	0°	45°	90°
0°	1032354	1032354	1032354
5°	1004073	1008447	1014688
10°	863397	856052	856892
15°	530526	526247	526674
20°	201915	202354	198597
25°	64229	67649	64457
30°	25833	32057	26549
35°	8347	14171	8347
40°	3777	6228	3777
45°	1461	2630	1461
50°	643	1286	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: 2630 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	528.8	33.9
10°-20°	784.4	50.3
20°-30°	194.9	12.5
30°-40°	38.9	2.5
40°-50°	7.1	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°	1508.0	96.7
0°-40°	1547.0	99.2
0°-60°	1556.2	99.8
0°-90°	1559.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1559.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5994	5994	5994	5994	5994	
5°	5808	5827	5833	5842	5869	528
15°	2976	2982	2952	2961	2954	787
25°	338	345	356	351	339	189
35°	40	52	67	50	40	32
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°	5994.3	5994.3	5994.3	5994.3	5994.3
1°	5981.1	5988.3	5993.1	5993.1	5993.1
2°	5964.3	5969.1	5976.3	5977.5	5987.1
3°	5924.6	5935.4	5947.4	5954.6	5959.5
4°	5876.5	5890.9	5898.1	5916.2	5931.8
5°	5807.9	5827.2	5833.2	5841.6	5869.3
6°	5715.3	5729.7	5741.8	5745.4	5762.2
7°	5592.6	5599.8	5597.4	5603.5	5633.5
8°	5406.2	5408.6	5429.1	5415.8	5436.3
9°	5184.9	5175.3	5170.5	5180.1	5181.3
10°	4937.1	4904.7	4895.1	4886.6	4899.9
11°	4616.0	4573.9	4577.5	4575.1	4555.9
12°	4216.7	4211.9	4180.6	4186.7	4215.5
13°	3809.0	3817.4	3811.4	3818.6	3786.1
14°	3426.5	3385.6	3396.5	3355.6	3371.2
15°	2975.5	2981.5	2951.5	2961.1	2953.9
17.5°	1905.1	1918.3	1908.7	1900.3	1913.5
20°	1101.7	1100.5	1104.1	1093.3	1083.6
22.5°	579.7	588.1	599.0	600.2	607.4
25°	338.0	345.2	356.0	351.2	339.2
27.5°	206.9	220.1	236.9	224.9	210.5
30°	129.9	140.7	161.2	141.9	133.5
32.5°	73.4	89.0	105.8	89.0	73.4
35°	39.7	51.7	67.4	50.5	39.7
37.5°	26.5	30.1	44.5	30.1	26.5
40°	16.8	20.4	27.7	20.4	16.8
42.5°	9.6	13.2	15.6	13.2	9.6
45°	6.0	7.2	10.8	8.4	6.0
47.5°	2.4	3.6	7.2	3.6	3.6
50°	2.4	2.4	4.8	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)