

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: P1314795

Luminaire Tested: LDSQA3D17R309730DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1314795  
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: LDSQA3D17R309730DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 97CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

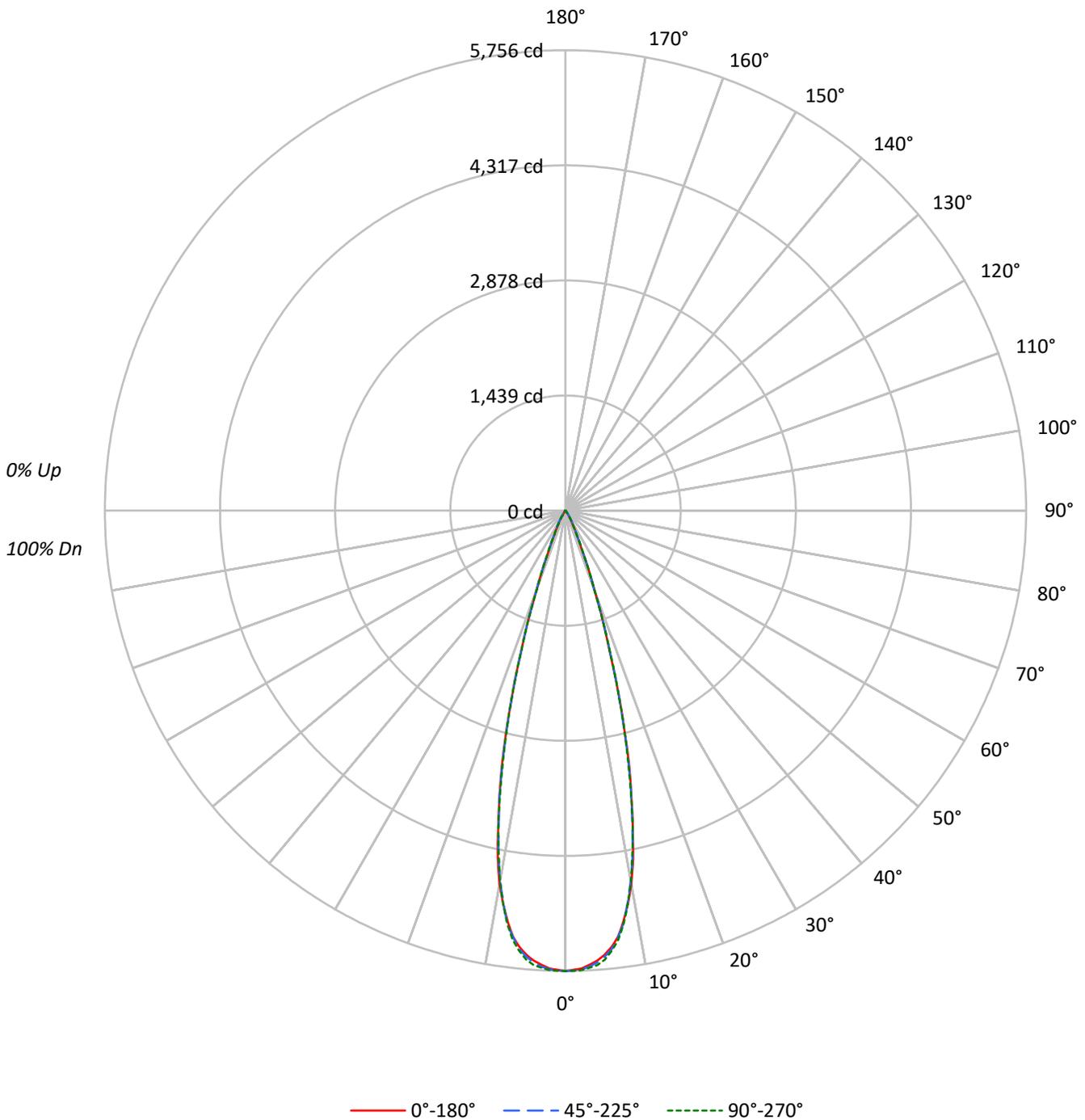
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1497.1 lumens  
Efficiency: N/A  
Efficacy: 70.6 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	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°	991296	991296	991296
5°	964137	968338	974320
10°	829069	822003	822808
15°	509433	505314	505724
20°	193887	194309	190716
25°	61664	64951	61892
30°	24799	30784	25495
35°	8010	13603	8010
40°	3642	5980	3642
45°	1413	2533	1413
50°	616	1232	616
55°	691	691	691
60°	792	792	792
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: 2533 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	507.7	33.9
10°-20°	753.2	50.3
20°-30°	187.1	12.5
30°-40°	37.4	2.5
40°-50°	6.8	0.5
50°-60°	2.1	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°	1448.1	96.7
0°-40°	1485.4	99.2
0°-60°	1494.4	99.8
0°-90°	1497.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1497.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5756	5756	5756	5756	5756	
5°	5577	5595	5601	5609	5636	507
15°	2857	2863	2834	2843	2836	756
25°	324	332	342	337	326	182
35°	38	50	65	48	38	31
45°	6	7	10	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°	5755.9	5755.9	5755.9	5755.9	5755.9
1°	5743.2	5750.2	5754.8	5754.8	5754.8
2°	5727.1	5731.7	5738.6	5739.8	5749.0
3°	5689.0	5699.4	5710.9	5717.8	5722.5
4°	5642.8	5656.6	5663.6	5680.9	5695.9
5°	5576.9	5595.4	5601.2	5609.3	5635.8
6°	5488.0	5501.9	5513.4	5516.9	5533.1
7°	5370.2	5377.1	5374.8	5380.6	5409.5
8°	5191.2	5193.5	5213.1	5200.4	5220.1
9°	4978.7	4969.5	4964.8	4974.1	4975.2
10°	4740.8	4709.6	4700.4	4692.3	4705.0
11°	4432.4	4392.0	4395.5	4393.2	4374.7
12°	4049.0	4044.4	4014.4	4020.2	4047.9
13°	3657.5	3665.6	3659.8	3666.8	3635.6
14°	3290.3	3251.0	3261.4	3222.1	3237.1
15°	2857.2	2863.0	2834.1	2843.3	2836.4
17.5°	1829.3	1842.0	1832.8	1824.7	1837.4
20°	1057.9	1056.7	1060.2	1049.8	1040.6
22.5°	556.7	564.7	575.1	576.3	583.2
25°	324.5	331.5	341.8	337.2	325.7
27.5°	198.6	211.3	227.5	216.0	202.1
30°	124.7	135.1	154.8	136.3	128.2
32.5°	70.4	85.5	101.6	85.5	70.4
35°	38.1	49.7	64.7	48.5	38.1
37.5°	25.4	28.9	42.7	28.9	25.4
40°	16.2	19.6	26.6	19.6	16.2
42.5°	9.2	12.7	15.0	12.7	9.2
45°	5.8	6.9	10.4	8.1	5.8
47.5°	2.3	3.5	6.9	3.5	3.5
50°	2.3	2.3	4.6	2.3	2.3
52.5°	2.3	2.3	2.3	2.3	2.3
55°	2.3	2.3	2.3	2.3	2.3
57.5°	2.3	2.3	2.3	2.3	2.3
60°	2.3	2.3	2.3	2.3	2.3
62.5°	2.3	2.3	2.3	2.3	2.3
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)