

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: P1314828

Luminaire Tested: LDSQA3D17R409730DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1314828  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R409730DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 97CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

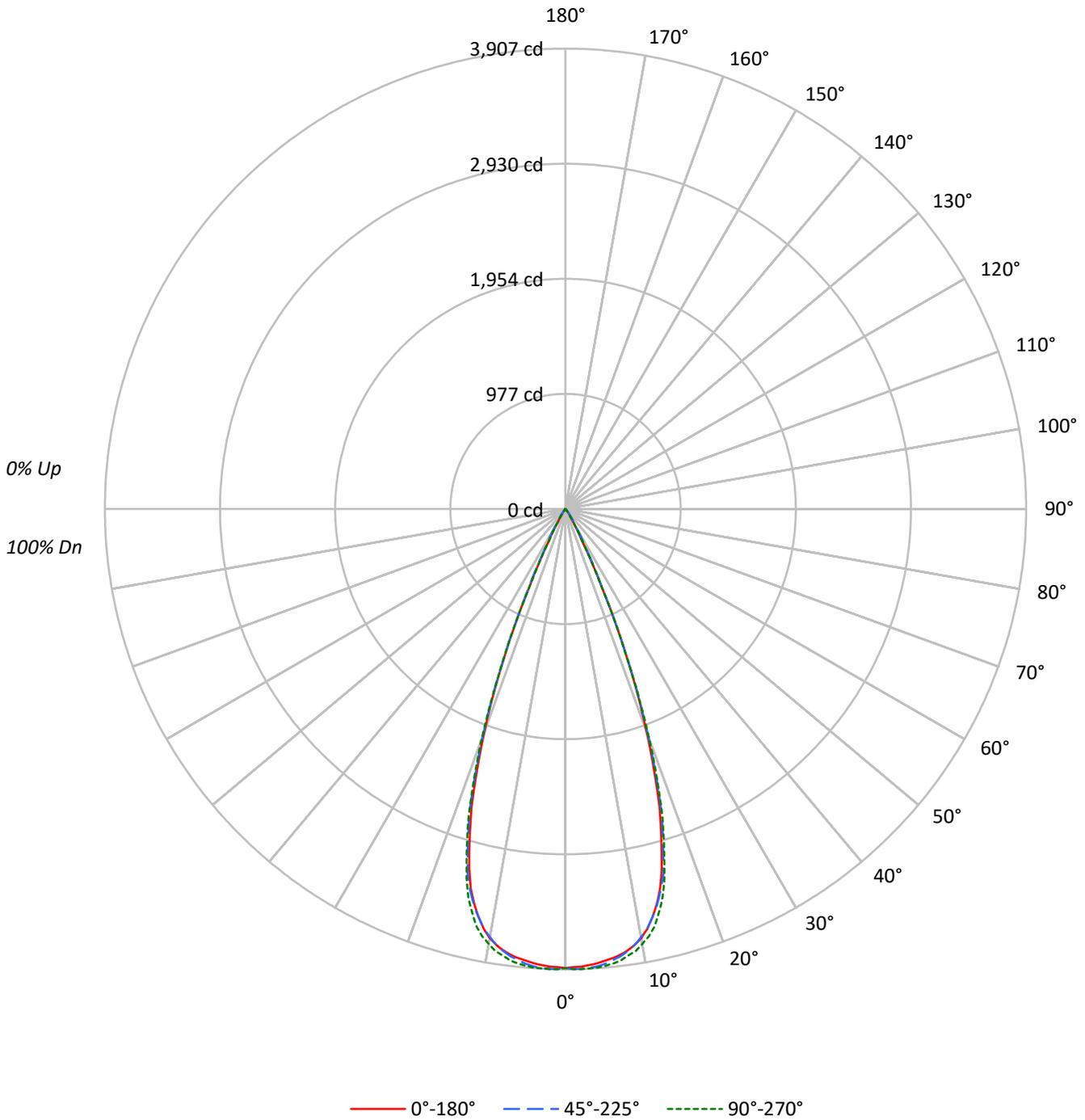
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1639.0 lumens  
Efficiency: N/A  
Efficacy: 77.3 lumens/watt  
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6  
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	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	102	100	102	100	98	99	97	96	97	95	94	92		
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89		
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	85		
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	82		
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	79		
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	80	77	76		
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	73		
9	87	80	76	73	86	80	75	73	79	75	72	78	75	72	77	74	72	71		
10	85	77	73	70	84	77	73	70	76	72	70	76	72	70	75	72	70	69		

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

	0°	45°	90°
0°	671255	671255	671255
5°	665434	669618	672816
10°	646494	645270	655361
15°	562405	571463	578452
20°	369117	376301	381176
25°	131593	139271	130928
30°	28696	38799	28915
35°	9230	16021	8977
40°	2855	4924	2585
45°	292	1681	292
50°	0	322	0
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: 45°  
 Vertical Angle: 45°  
 Luminance: 1681 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	364.5	22.2
10°-20°	848.8	51.8
20°-30°	380.7	23.2
30°-40°	41.1	2.5
40°-50°	3.8	0.2
50°-60°	0.0	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°	1594.0	97.3
0°-40°	1635.2	99.8
0°-60°	1639.0	100.0
0°-90°	1639.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1639.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3898	3898	3898	3898	3898	
5°	3849	3860	3873	3879	3892	363
15°	3154	3177	3205	3224	3244	838
25°	692	713	733	746	689	370
35°	44	51	76	50	43	34
45°	1	2	7	2	1	2
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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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3897.6	3897.6	3897.6	3897.6	3897.6
1°	3889.5	3897.6	3904.5	3898.7	3906.8
2°	3886.0	3895.3	3905.7	3899.9	3906.8
3°	3876.8	3888.4	3899.9	3896.4	3903.4
4°	3864.1	3873.3	3890.7	3890.7	3901.0
5°	3849.1	3859.5	3873.3	3879.1	3891.8
6°	3833.0	3838.7	3849.1	3860.7	3878.0
7°	3812.2	3812.2	3824.9	3836.4	3859.5
8°	3783.3	3781.0	3790.2	3805.3	3826.0
9°	3747.5	3739.5	3746.4	3768.3	3799.5
10°	3696.8	3689.8	3689.8	3717.5	3747.5
11°	3631.0	3628.7	3629.8	3656.4	3696.8
12°	3542.1	3544.4	3544.4	3574.4	3624.1
13°	3441.7	3440.5	3450.9	3484.4	3517.9
14°	3319.4	3326.3	3336.7	3366.7	3401.3
15°	3154.3	3177.4	3205.1	3223.6	3244.3
17.5°	2652.3	2675.3	2713.4	2728.4	2733.0
20°	2014.0	2047.5	2053.2	2083.3	2079.8
22.5°	1350.4	1348.1	1352.7	1356.1	1357.3
25°	692.5	713.3	732.9	745.6	689.0
27.5°	301.2	337.0	362.4	328.9	304.7
30°	144.3	163.9	195.1	165.0	145.4
32.5°	78.5	91.2	123.5	90.0	77.3
35°	43.9	50.8	76.2	49.6	42.7
37.5°	25.4	27.7	41.5	27.7	24.2
40°	12.7	16.2	21.9	16.2	11.5
42.5°	4.6	8.1	11.5	8.1	4.6
45°	1.2	2.3	6.9	2.3	1.2
47.5°	0.0	0.0	3.5	0.0	0.0
50°	0.0	0.0	1.2	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
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



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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)