

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: P1314829

Luminaire Tested: LDSQA3D17R409730DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

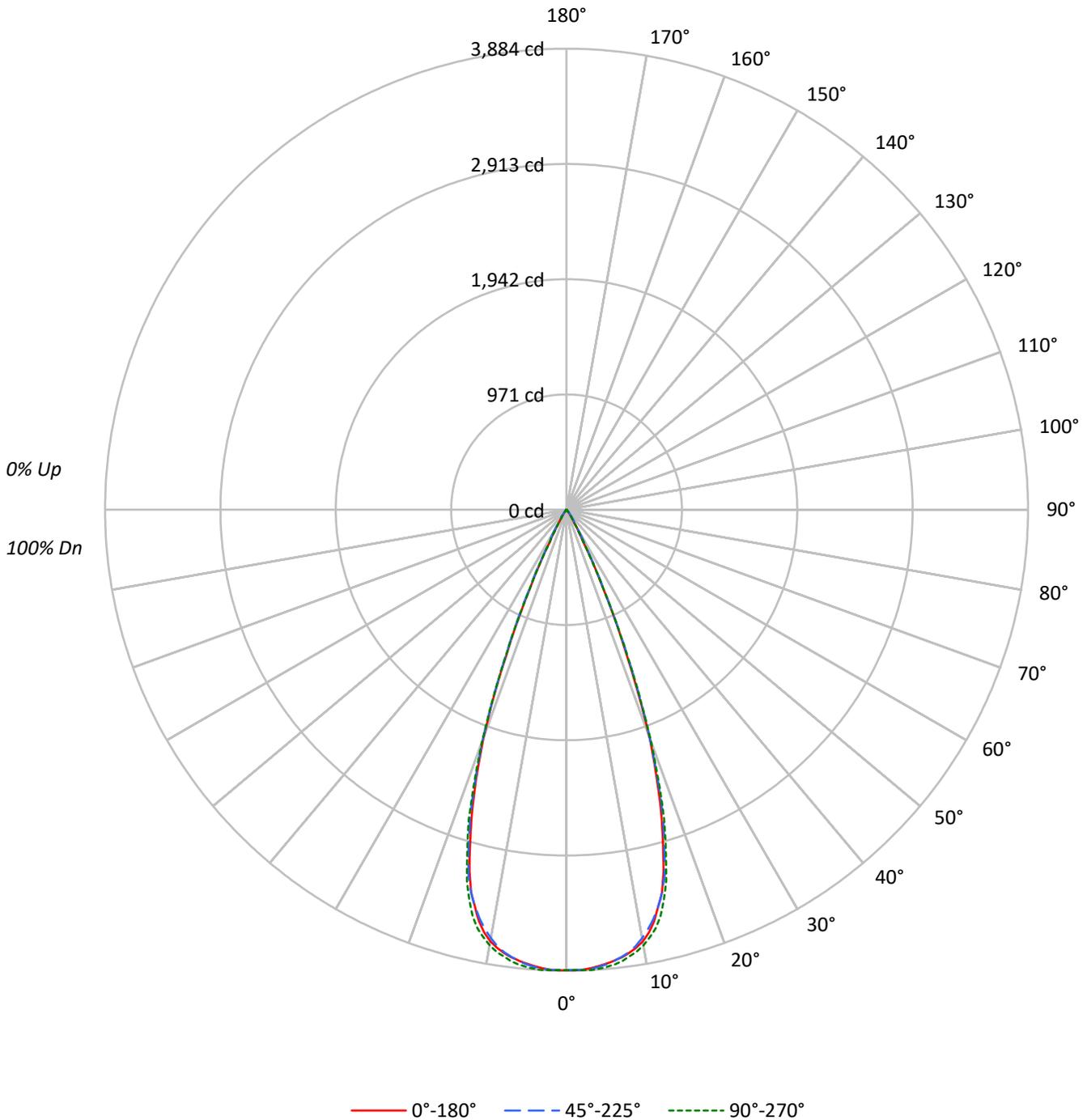
Test Method: LM-79-2019  
Report Number: P1314829  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R409730DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 97CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1642.1 lumens  
Efficiency: N/A  
Efficacy: 77.5 lumens/watt  
Spacing Criteria (0/90/45): 0.69 / 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	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	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	94	94	94	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	90	90	90	88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	91	88	86	86	86	86	85
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	83	83	83	82
6	96	89	85	82	95	89	84	81	87	84	81	86	83	80	85	82	80	80	80	80	79
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	77	77	77	76
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	80	76	74	74	74	74	73
9	87	80	75	72	86	79	75	72	79	75	72	78	74	72	77	74	72	72	72	72	71
10	84	77	73	70	84	77	73	70	76	72	69	75	72	69	75	71	69	69	69	69	68

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

	0°	45°	90°
0°	668172	668172	668172
5°	663740	664743	668339
10°	645760	640916	651618
15°	562655	568432	577275
20°	374780	376686	380297
25°	136268	140430	136914
30°	28935	38799	28935
35°	10197	17240	9713
40°	3642	5441	3642
45°	852	2241	852
50°	616	938	616
55°	691	691	691
60°	792	792	792
65°	489	937	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: 2241 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	362.5	22.1
10°-20°	844.8	51.4
20°-30°	380.2	23.2
30°-40°	43.3	2.6
40°-50°	6.2	0.4
50°-60°	2.1	0.1
60°-70°	1.8	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°	1587.6	96.7
0°-40°	1630.9	99.3
0°-60°	1639.2	99.8
0°-90°	1642.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1642.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3880	3880	3880	3880	3880	
5°	3839	3835	3845	3862	3866	362
15°	3156	3164	3188	3214	3238	838
25°	717	722	739	739	720	371
35°	48	54	82	52	46	36
45°	4	6	9	6	4	5
55°	2	2	2	2	2	2
65°	1	2	2	2	1	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°	3879.7	3879.7	3879.7	3879.7	3879.7
1°	3882.0	3878.6	3877.4	3884.3	3878.6
2°	3878.6	3876.2	3877.4	3884.3	3879.7
3°	3868.2	3869.3	3872.8	3885.5	3884.3
4°	3855.5	3854.3	3861.2	3877.4	3877.4
5°	3839.3	3834.7	3845.1	3862.4	3865.9
6°	3820.8	3815.0	3823.1	3845.1	3853.1
7°	3800.0	3788.5	3795.4	3822.0	3832.4
8°	3772.3	3757.3	3765.4	3792.0	3800.0
9°	3737.7	3714.6	3721.5	3753.8	3770.0
10°	3692.6	3663.8	3664.9	3700.7	3726.1
11°	3629.1	3596.8	3598.0	3643.0	3669.6
12°	3544.9	3516.0	3521.8	3563.3	3606.0
13°	3430.5	3422.5	3429.4	3474.4	3513.7
14°	3319.7	3311.6	3324.3	3365.9	3384.4
15°	3155.7	3163.8	3188.1	3213.5	3237.7
17.5°	2636.1	2667.3	2696.2	2713.5	2734.3
20°	2044.9	2009.1	2055.3	2034.5	2075.0
22.5°	1319.8	1346.4	1357.9	1346.4	1351.0
25°	717.1	721.7	739.0	739.0	720.5
27.5°	304.8	329.1	351.0	342.9	304.8
30°	145.5	167.4	195.1	168.6	145.5
32.5°	82.0	97.0	125.9	94.7	79.7
35°	48.5	54.3	82.0	52.0	46.2
37.5°	28.9	30.0	45.0	31.2	27.7
40°	16.2	19.6	24.2	19.6	16.2
42.5°	8.1	11.5	15.0	11.5	8.1
45°	3.5	5.8	9.2	5.8	3.5
47.5°	3.5	3.5	5.8	3.5	3.5
50°	2.3	2.3	3.5	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	2.3	2.3	2.3	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)