

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: P1319235

Luminaire Tested: LDSQA3D13R309835DE010 3LSQPHR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319235  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R309835DE010 3LSQPHR1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 98CRI , 3LSQPHR1MW TRIM  
Light Source: -  
Ballast/Driver: -

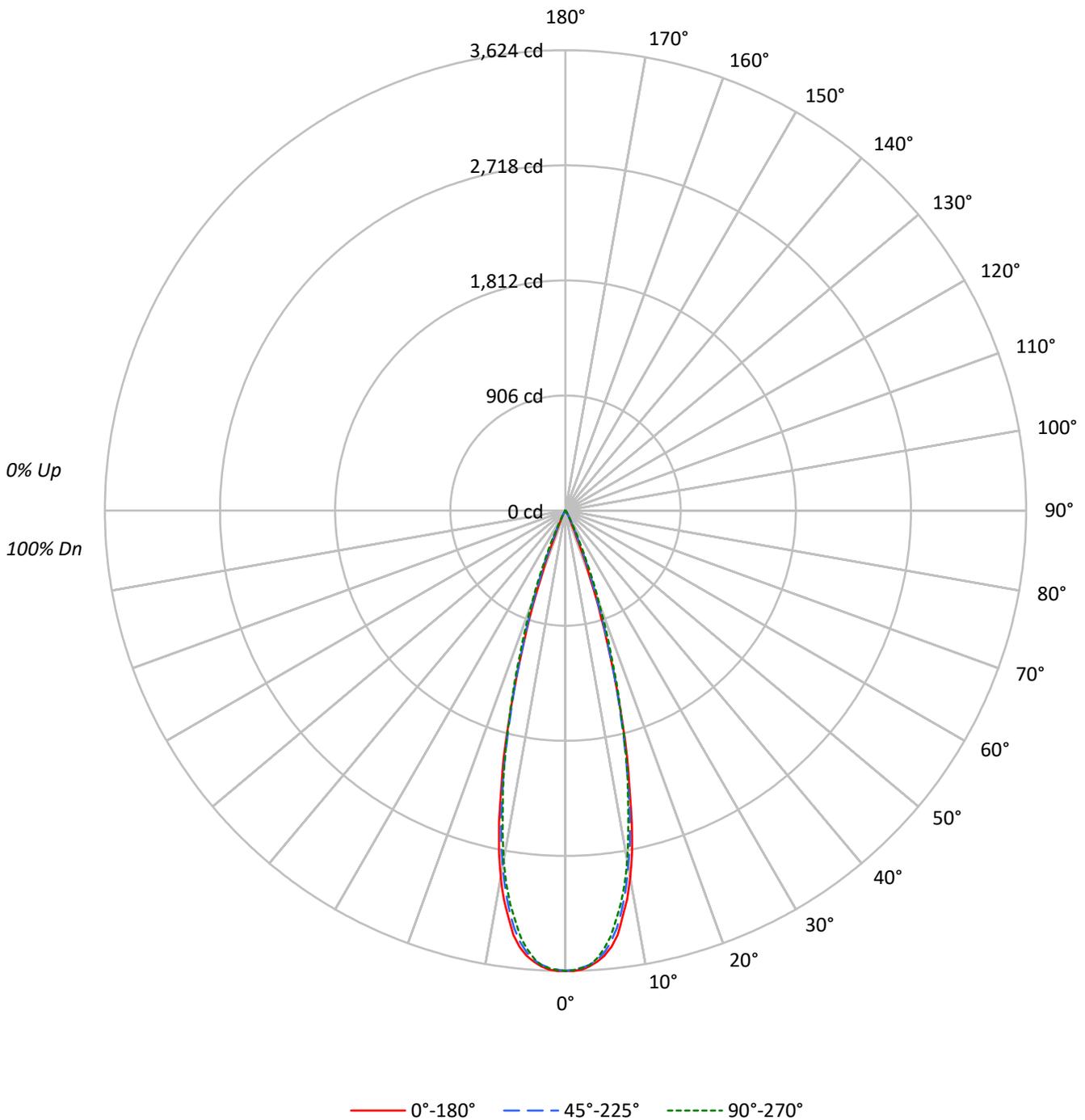
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 878.0 lumens  
Efficiency: N/A  
Efficacy: 60.6 lumens/watt  
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.5  
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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CATALOG NUMBER: LDSQA3D13R309835DE010 3LSQPHR1MW

### 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	110	113	111	109	108	107	106	105	103	103	102	100	99	99	99	99	99	97
2	112	108	105	103	110	107	104	102	104	101	100	101	99	98	98	97	96	96	96	96	94
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	96	94	93	92
4	105	100	97	94	104	99	96	93	97	94	92	95	93	91	94	92	90	94	92	90	89
5	102	97	93	90	101	96	93	90	95	91	89	93	90	88	92	89	88	92	89	88	87
6	100	94	90	87	99	93	90	87	92	89	86	91	88	86	90	87	85	90	87	85	84
7	97	91	87	84	96	91	87	84	90	86	84	88	86	83	88	85	83	88	85	83	82
8	95	89	85	82	94	88	84	82	87	84	82	86	83	81	86	83	81	86	83	81	80
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	84	81	79	78
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	82	79	77	76

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

	0°	45°	90°
0°	624049	624049	624049
5°	607986	603802	598823
10°	513096	497340	489260
15°	309204	300557	306102
20°	104889	121108	139711
25°	19269	30214	35668
30°	6622	7378	8273
35°	1913	2397	2544
40°	517	854	674
45°	195	195	195
50°	214	0	214
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: 0°  
 Vertical Angle: 52.5°  
 Luminance: 226 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	313.3	35.7
10°-20°	457.9	52.2
20°-30°	96.9	11.0
30°-40°	8.9	1.0
40°-50°	0.9	0.1
50°-60°	0.1	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°	868.2	98.9
0°-40°	877.1	99.9
0°-60°	878.0	100.0
0°-90°	878.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	878.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3624	3624	3624	3624	3624	
5°	3517	3510	3493	3482	3464	318
15°	1734	1728	1686	1725	1717	457
25°	101	114	159	187	188	74
35°	9	11	11	14	12	8
45°	1	1	1	1	1	1
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°	3623.5	3623.5	3623.5	3623.5	3623.5
1°	3624.3	3620.5	3615.2	3622.8	3617.5
2°	3616.7	3607.6	3600.1	3607.6	3605.4
3°	3594.0	3586.5	3581.2	3584.9	3584.9
4°	3560.0	3551.6	3547.1	3547.8	3536.5
5°	3516.8	3510.0	3492.6	3482.0	3463.8
6°	3453.2	3436.6	3415.4	3398.0	3374.5
7°	3366.9	3341.2	3310.9	3280.6	3251.1
8°	3228.4	3216.3	3175.4	3155.0	3125.5
9°	3098.2	3068.7	3024.8	2991.5	2975.6
10°	2934.0	2890.1	2843.9	2817.4	2797.7
11°	2739.4	2694.8	2657.7	2619.1	2588.8
12°	2510.8	2473.0	2430.6	2404.8	2369.3
13°	2239.8	2234.5	2186.8	2178.5	2174.0
14°	2007.4	1986.2	1939.3	1952.2	1955.2
15°	1734.2	1728.1	1685.7	1725.1	1716.8
17.5°	1086.2	1088.5	1115.0	1177.1	1196.7
20°	572.3	589.7	660.8	735.8	762.3
22.5°	231.6	270.2	342.9	393.6	427.7
25°	101.4	113.5	159.0	187.0	187.7
27.5°	57.5	58.3	76.5	79.5	81.0
30°	33.3	34.1	37.1	39.4	41.6
32.5°	18.2	19.7	20.4	23.5	23.5
35°	9.1	11.4	11.4	13.6	12.1
37.5°	5.3	6.1	6.8	6.8	6.1
40°	2.3	3.0	3.8	3.8	3.0
42.5°	0.8	1.5	1.5	1.5	2.3
45°	0.8	0.8	0.8	0.8	0.8
47.5°	0.8	0.8	0.0	0.8	0.8
50°	0.8	0.0	0.0	0.0	0.8
52.5°	0.8	0.0	0.0	0.0	0.8
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)