

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: P1320110

Luminaire Tested: LDSQA3D13R309840DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1320110  
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: LDSQA3D13R309840DE010 3LSQPHR1MMS  
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 98CRI , 3LSQPHR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

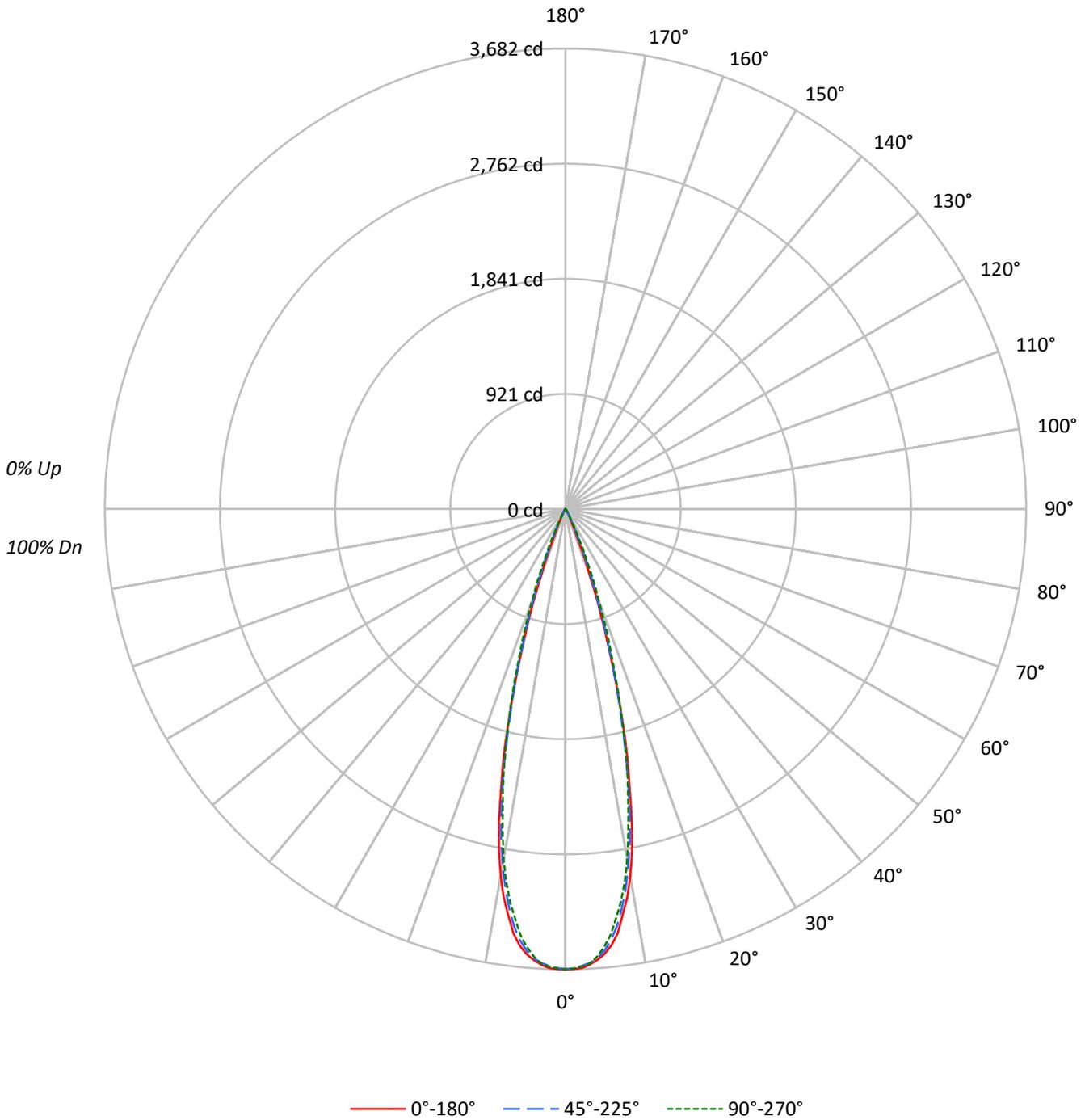
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 892.0 lumens  
Efficiency: N/A  
Efficacy: 61.5 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 (Ain): 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									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	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	100	100	100	97	97	97	94	94	94	91	91	91	88	88	88	85	85	85	82	82	82	79	79	79	76	76	76		
1	115	113	111	110	113	111	109	108	107	106	105	103	103	102	100	99	99	97	97	97	94	94	94	91	91	91	88	88	88	85	85	85	82	82	82	79	79	79	76	76	76					
2	112	108	105	103	110	107	104	102	104	101	100	101	99	98	98	97	96	94	94	94	91	91	91	88	88	88	85	85	85	82	82	82	79	79	79	76	76	76								
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92	92	92	89	89	89	86	86	86	83	83	83	80	80	80	77	77	77	74	74	74								
4	105	100	97	94	104	99	96	93	97	94	92	95	93	91	94	92	90	89	89	89	86	86	86	83	83	83	80	80	80	77	77	77	74	74	74											
5	102	97	93	90	101	96	93	90	95	91	89	93	90	88	92	89	88	87	87	87	84	84	84	81	81	81	78	78	78	75	75	75	72	72	72											
6	100	94	90	87	99	93	90	87	92	89	86	91	88	86	90	87	85	84	84	84	81	81	81	78	78	78	75	75	75	72	72	72	69	69	69											
7	97	91	87	84	96	91	87	84	90	86	84	88	86	83	88	85	83	82	82	82	79	79	79	76	76	76	73	73	73	70	70	70	67	67	67											
8	95	89	85	82	94	88	84	82	87	84	82	86	83	81	86	83	81	80	80	80	77	77	77	74	74	74	71	71	71	68	68	68	65	65	65											
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78	78	78	75	75	75	72	72	72	69	69	69	66	66	66	63	63	63											
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	76	76	76	73	73	73	70	70	70	67	67	67	64	64	64	61	61	61											

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

	0°	45°	90°
0°	634003	634003	634003
5°	617685	613432	608384
10°	521263	505262	497060
15°	314125	305353	310970
20°	106556	123051	141929
25°	19573	30689	36238
30°	6722	7497	8412
35°	1934	2418	2586
40°	517	854	697
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°	318.3	35.7
10°-20°	465.2	52.2
20°-30°	98.4	11.0
30°-40°	9.1	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°	882.0	98.9
0°-40°	891.1	99.9
0°-60°	892.0	100.0
0°-90°	892.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	892.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3681	3681	3681	3681	3681	
5°	3573	3566	3548	3538	3519	323
15°	1762	1756	1713	1753	1744	465
25°	103	115	162	190	191	75
35°	9	12	12	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°	3681.3	3681.3	3681.3	3681.3	3681.3
1°	3682.1	3678.2	3672.9	3680.6	3675.2
2°	3674.4	3665.2	3657.5	3665.2	3662.9
3°	3651.3	3643.6	3638.3	3642.1	3642.1
4°	3616.7	3608.3	3603.6	3604.4	3592.9
5°	3572.9	3566.0	3548.3	3537.5	3519.1
6°	3508.3	3491.4	3469.8	3452.2	3428.3
7°	3420.6	3394.5	3363.7	3333.0	3303.0
8°	3279.9	3267.6	3226.1	3205.3	3175.3
9°	3147.6	3117.6	3073.0	3039.2	3023.0
10°	2980.7	2936.1	2889.2	2862.3	2842.3
11°	2783.1	2737.7	2700.0	2660.8	2630.1
12°	2550.9	2512.4	2469.3	2443.2	2407.0
13°	2275.5	2270.2	2221.7	2213.3	2208.6
14°	2039.5	2017.9	1970.2	1983.3	1986.4
15°	1761.8	1755.7	1712.6	1752.6	1744.1
17.5°	1103.6	1105.9	1132.8	1195.8	1215.8
20°	581.4	599.1	671.4	747.5	774.4
22.5°	235.3	274.5	348.4	399.9	434.5
25°	103.0	115.4	161.5	189.9	190.7
27.5°	58.4	59.2	77.7	80.7	82.3
30°	33.8	34.6	37.7	40.0	42.3
32.5°	18.5	20.0	20.8	23.8	23.8
35°	9.2	11.5	11.5	13.8	12.3
37.5°	5.4	6.2	6.9	6.9	6.2
40°	2.3	3.1	3.8	3.8	3.1
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)