

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: P1316720

Luminaire Tested: LDSQA3D17R259740DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316720  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R259740DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

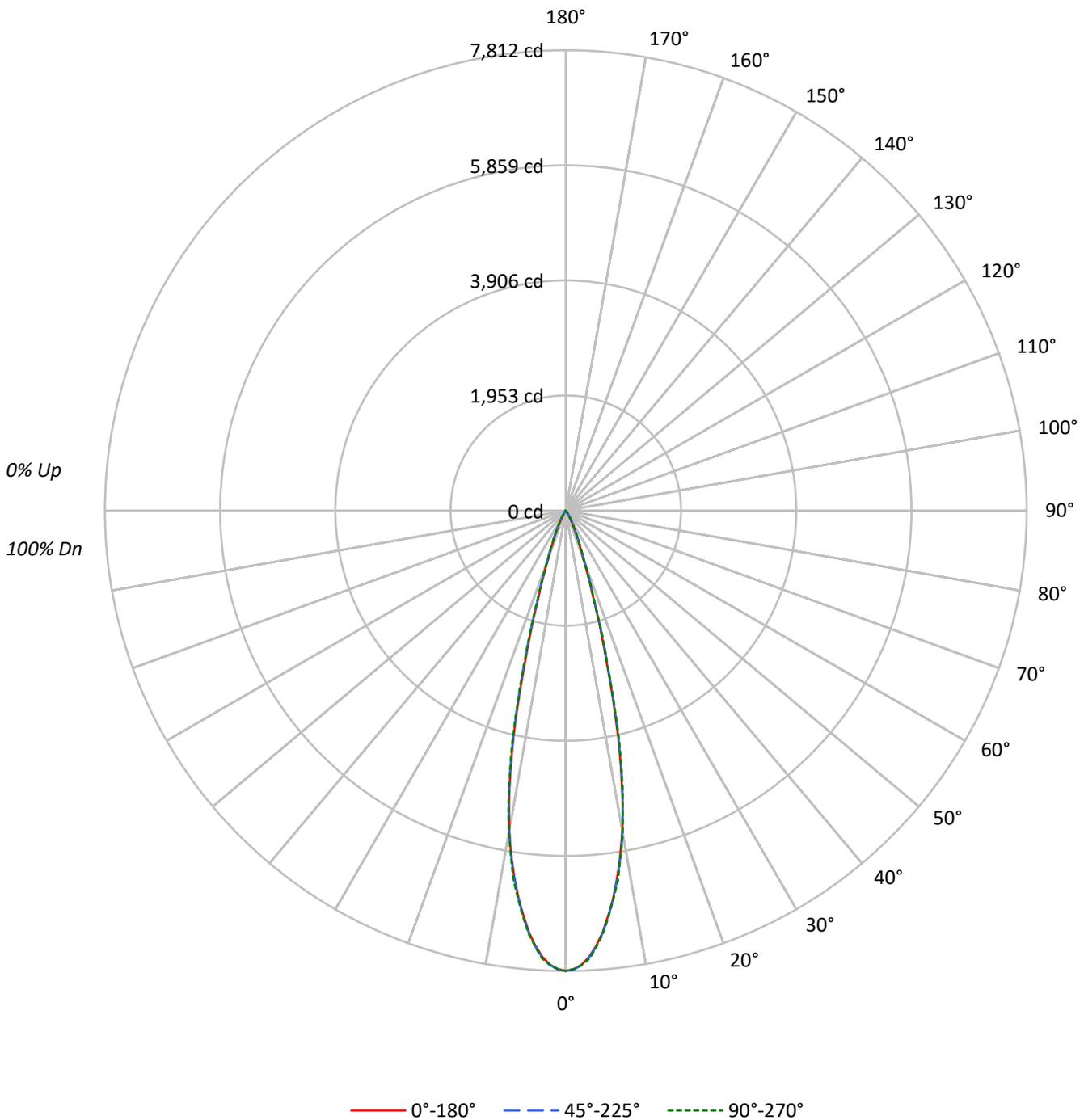
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1626.0 lumens  
Efficiency: N/A  
Efficacy: 76.7 lumens/watt  
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41  
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 (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			
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	99	99
1	115	113	111	110	113	111	110	108	107	106	105	103	103	102	100	99	99	97	97	97
2	112	108	105	103	110	107	104	102	104	102	100	101	99	98	98	97	96	94	94	94
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92	92	92
4	105	100	97	94	104	99	96	93	97	95	92	96	93	91	94	92	90	89	89	89
5	103	97	93	90	101	96	93	90	95	92	89	93	91	89	92	90	88	87	87	87
6	100	94	90	87	99	93	90	87	92	89	87	91	88	86	90	87	85	84	84	84
7	97	91	87	85	96	91	87	84	90	86	84	89	86	84	88	85	83	82	82	82
8	95	89	85	82	94	88	85	82	87	84	82	87	84	82	86	83	81	80	80	80
9	93	86	83	80	92	86	82	80	85	82	80	85	82	80	84	81	79	78	78	78
10	91	84	81	78	90	84	80	78	83	80	78	83	80	78	82	79	77	77	77	77

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

	0°	45°	90°
0°	1345334	1345334	1345334
5°	1240487	1243287	1245881
10°	963149	966646	971875
15°	475984	495989	496221
20°	160274	171014	163463
25°	66376	73730	68277
30°	26051	32753	26290
35°	6812	13372	7085
40°	2518	5328	2518
45°	292	1510	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: 1510 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	633.0	38.9
10°-20°	765.6	47.1
20°-30°	186.9	11.5
30°-40°	36.3	2.2
40°-50°	4.1	0.3
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°	1585.5	97.5
0°-40°	1621.8	99.7
0°-60°	1626.0	100.0
0°-90°	1626.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1626.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	7812	7812	7812	7812	7812	
5°	7175	7185	7192	7223	7207	631
15°	2670	2733	2782	2809	2783	752
25°	349	368	388	372	359	178
35°	32	46	64	46	34	29
45°	1	4	6	4	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°	7811.6	7811.6	7811.6	7811.6	7811.6
1°	7781.6	7786.6	7787.9	7795.4	7780.4
2°	7710.5	7711.8	7715.5	7730.5	7716.8
3°	7579.5	7588.3	7589.5	7609.5	7613.2
4°	7401.2	7406.1	7416.1	7449.8	7419.9
5°	7175.4	7185.3	7191.6	7222.8	7206.6
6°	6895.9	6898.4	6912.2	6948.3	6925.9
7°	6611.5	6610.3	6611.5	6640.2	6634.0
8°	6268.5	6262.2	6282.2	6317.1	6340.8
9°	5910.4	5919.2	5931.7	5965.3	5937.9
10°	5507.5	5531.2	5527.5	5530.0	5557.4
11°	5043.5	5050.9	5052.2	5078.4	5074.7
12°	4498.3	4498.3	4539.5	4581.9	4568.2
13°	3948.2	3986.9	3959.4	3968.2	4023.0
14°	3307.0	3336.9	3374.4	3409.3	3381.9
15°	2669.6	2733.2	2781.8	2809.3	2783.1
17.5°	1529.4	1550.6	1591.8	1596.7	1580.5
20°	874.5	900.7	933.1	923.1	891.9
22.5°	550.1	557.6	590.0	573.8	566.3
25°	349.3	368.0	388.0	371.7	359.3
27.5°	217.1	229.5	250.7	233.3	219.6
30°	131.0	142.2	164.7	141.0	132.2
32.5°	68.6	84.8	103.5	86.1	68.6
35°	32.4	46.2	63.6	46.2	33.7
37.5°	20.0	24.9	38.7	24.9	20.0
40°	11.2	16.2	23.7	16.2	11.2
42.5°	5.0	8.7	11.2	8.7	6.2
45°	1.2	3.7	6.2	3.7	1.2
47.5°	0.0	0.0	3.7	1.2	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)