

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: P1320235

Luminaire Tested: LDSQA3D17R259840DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1320235  
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: LDSQA3D17R259840DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

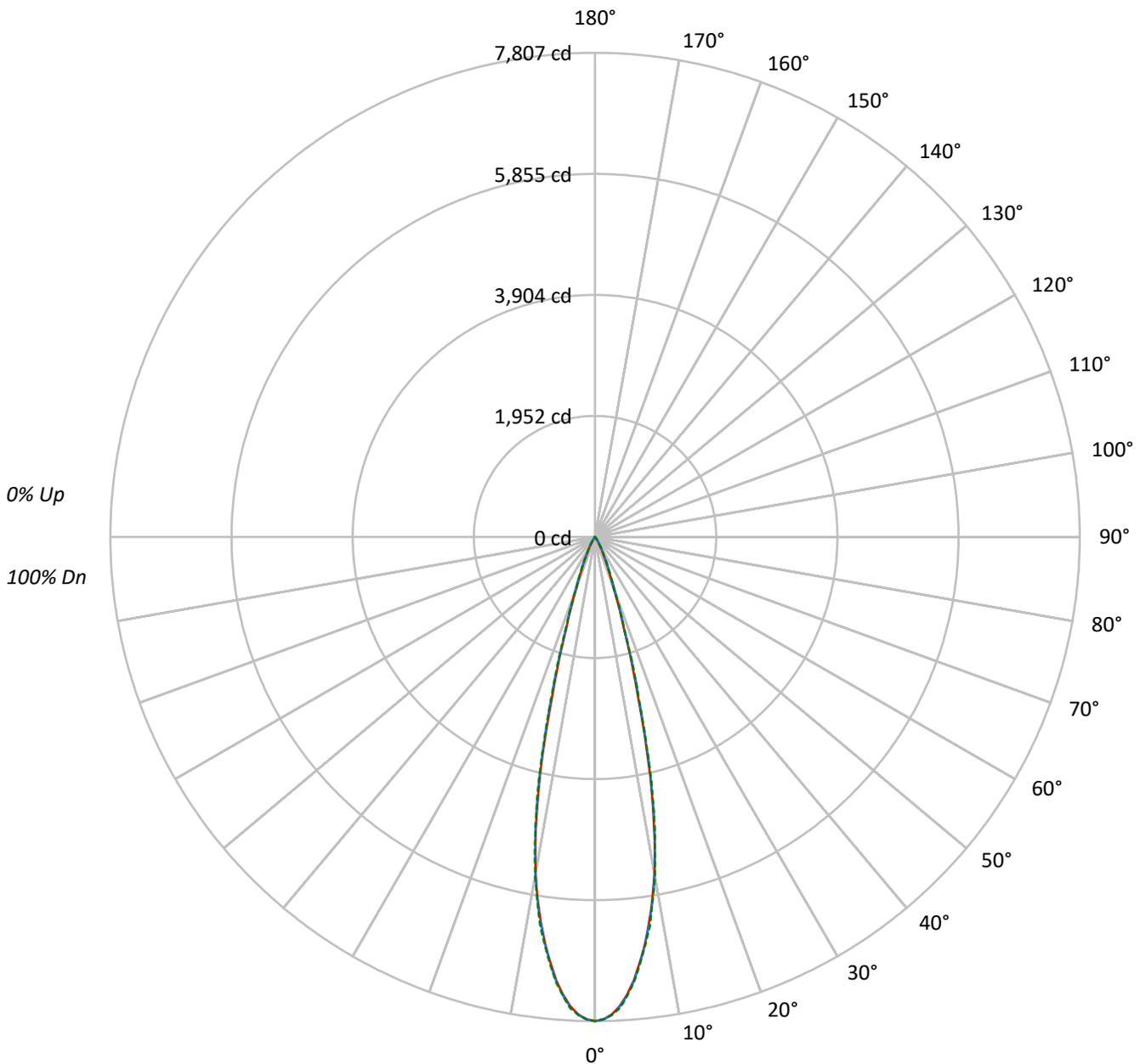
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1625.0 lumens  
Efficiency: N/A  
Efficacy: 79.7 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): 20.4  
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



— 0°-180°    - - 45°-225°    - - - 90°-270°



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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°	1344508	1344508	1344508
5°	1239726	1242527	1245103
10°	962554	966052	971280
15°	475681	495686	495918
20°	160164	170904	163372
25°	66338	73673	68220
30°	26032	32733	26270
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°	632.6	38.9
10°-20°	765.1	47.1
20°-30°	186.8	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°	1584.5	97.5
0°-40°	1620.8	99.7
0°-60°	1625.0	100.0
0°-90°	1625.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1625.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	7807	7807	7807	7807	7807	
5°	7171	7181	7187	7218	7202	631
15°	2668	2732	2780	2808	2781	751
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°	7806.8	7806.8	7806.8	7806.8	7806.8
1°	7776.8	7781.8	7783.1	7790.6	7775.6
2°	7705.8	7707.0	7710.8	7725.7	7712.0
3°	7574.9	7583.6	7584.9	7604.8	7608.5
4°	7396.6	7401.6	7411.6	7445.2	7415.3
5°	7171.0	7180.9	7187.2	7218.3	7202.1
6°	6891.7	6894.2	6907.9	6944.1	6921.6
7°	6607.5	6606.2	6607.5	6636.1	6629.9
8°	6264.6	6258.4	6278.3	6313.2	6336.9
9°	5906.8	5915.5	5928.0	5961.7	5934.2
10°	5504.1	5527.8	5524.1	5526.6	5554.0
11°	5040.4	5047.8	5049.1	5075.3	5071.5
12°	4495.6	4495.6	4536.7	4579.1	4565.4
13°	3945.8	3984.4	3957.0	3965.7	4020.6
14°	3305.0	3334.9	3372.3	3407.2	3379.8
15°	2667.9	2731.5	2780.1	2807.5	2781.4
17.5°	1528.4	1549.6	1590.8	1595.8	1579.6
20°	873.9	900.1	932.5	922.5	891.4
22.5°	549.8	557.3	589.7	573.5	566.0
25°	349.1	367.8	387.7	371.5	359.0
27.5°	216.9	229.4	250.6	233.1	219.4
30°	130.9	142.1	164.6	140.9	132.1
32.5°	68.6	84.8	103.5	86.0	68.6
35°	32.4	46.1	63.6	46.1	33.7
37.5°	19.9	24.9	38.6	24.9	19.9
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)