

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: P1320240

Luminaire Tested: LDSQA3D17R259840DE010 3LSQPHR1MW

Issue Date: 1/29/2026

**Test Information**

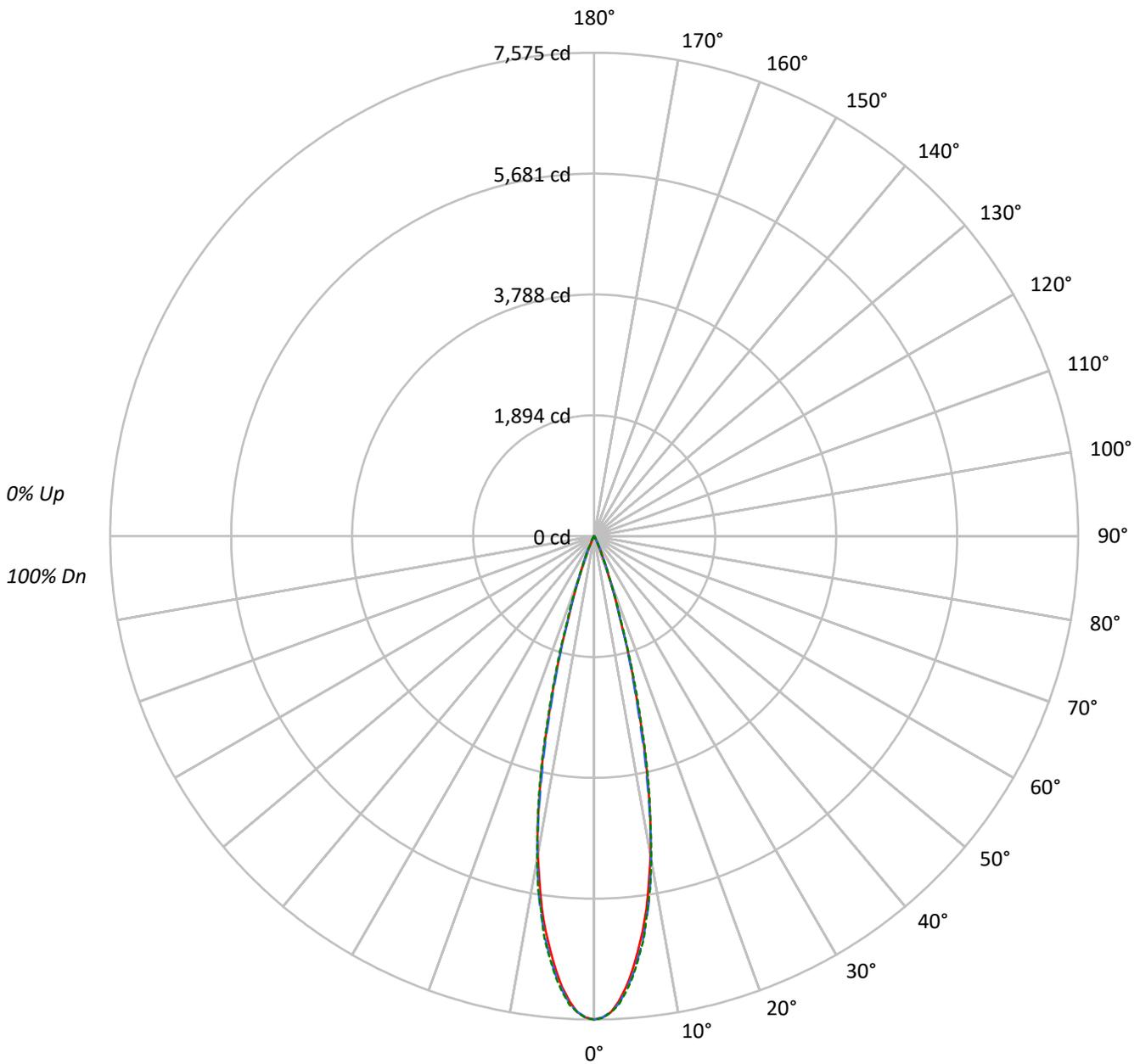
Test Method: LM-79-2019  
Report Number: P1320240  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R259840DE010 3LSQPHR1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 98CRI , 3LSQPHR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1398.0 lumens  
Efficiency: N/A  
Efficacy: 68.5 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4  
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	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	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	99	99	99	97
2	112	109	106	104	110	107	105	103	104	102	101	101	100	98	99	97	96	96	96	96	95
3	109	105	102	99	107	104	101	98	101	99	97	99	97	95	97	95	94	94	94	94	93
4	106	101	98	95	105	100	97	95	99	96	94	97	94	93	95	93	92	92	92	92	91
5	104	98	95	92	102	98	94	92	96	93	91	95	92	90	93	91	89	89	89	89	88
6	101	96	92	89	100	95	92	89	94	91	89	93	90	88	91	89	87	87	87	87	86
7	99	93	89	87	98	93	89	87	92	89	86	91	88	86	90	87	86	86	86	86	85
8	97	91	87	85	96	90	87	85	90	86	84	89	86	84	88	86	84	84	84	84	83
9	95	89	85	83	94	88	85	83	88	85	82	87	84	82	86	84	82	82	82	82	81
10	93	87	83	81	92	86	83	81	86	83	81	85	82	80	85	82	80	80	80	80	80

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

	0°	45°	90°
0°	1304604	1304604	1304604
5°	1182226	1192996	1198823
10°	888755	895068	899213
15°	440057	426952	455391
20°	124279	126332	127706
25°	21549	40742	25578
30°	8432	8671	8929
35°	2628	2880	2880
40°	832	1124	832
45°	609	292	609
50°	322	0	322
55°	360	0	360
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: 45°

Luminance: 609 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	601.8	43.0
10°-20°	678.6	48.5
20°-30°	105.3	7.5
30°-40°	10.7	0.8
40°-50°	1.4	0.1
50°-60°	0.2	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°	1385.7	99.1
0°-40°	1396.3	99.9
0°-60°	1398.0	100.0
0°-90°	1398.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1398.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	7575	7575	7575	7575	7575	
5°	6838	6851	6901	6928	6934	596
15°	2468	2451	2395	2502	2554	676
25°	113	168	214	163	135	95
35°	12	14	14	15	14	10
45°	2	1	1	1	2	2
55°	1	0	0	0	1	1
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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 CATALOG NUMBER: LDSQA3D17R259840DE010 3LSQPHR1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	7575.1	7575.1	7575.1	7575.1	7575.1
1°	7543.9	7553.9	7542.7	7555.1	7553.9
2°	7465.4	7475.4	7461.7	7469.1	7469.1
3°	7304.6	7325.8	7338.3	7347.0	7354.5
4°	7092.7	7116.4	7135.1	7157.5	7157.5
5°	6838.4	6850.9	6900.7	6928.1	6934.4
6°	6535.5	6585.4	6622.8	6677.6	6643.9
7°	6232.6	6273.7	6326.1	6334.8	6358.5
8°	5888.6	5932.2	5980.8	5972.1	5952.1
9°	5469.7	5533.3	5590.6	5571.9	5596.9
10°	5082.1	5120.7	5118.2	5099.5	5141.9
11°	4632.1	4640.8	4592.2	4668.2	4622.1
12°	4098.6	4106.0	4043.7	4118.5	4165.9
13°	3587.5	3570.0	3484.0	3582.5	3642.3
14°	2999.1	3005.4	2895.7	3086.4	3071.4
15°	2468.1	2450.7	2394.6	2501.8	2554.1
17.5°	1315.1	1326.3	1312.6	1366.2	1399.8
20°	678.1	696.8	689.3	711.8	696.8
22.5°	351.5	377.7	385.2	367.7	320.4
25°	113.4	168.3	214.4	163.3	134.6
27.5°	68.6	67.3	104.7	72.3	73.5
30°	42.4	41.1	43.6	43.6	44.9
32.5°	23.7	24.9	23.7	26.2	24.9
35°	12.5	13.7	13.7	15.0	13.7
37.5°	7.5	8.7	8.7	8.7	7.5
40°	3.7	5.0	5.0	3.7	3.7
42.5°	2.5	2.5	2.5	2.5	2.5
45°	2.5	1.2	1.2	1.2	2.5
47.5°	1.2	1.2	0.0	1.2	1.2
50°	1.2	1.2	0.0	1.2	1.2
52.5°	1.2	0.0	0.0	0.0	1.2
55°	1.2	0.0	0.0	0.0	1.2
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)