

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: P1318016

Luminaire Tested: LDSQA3D05R159830DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

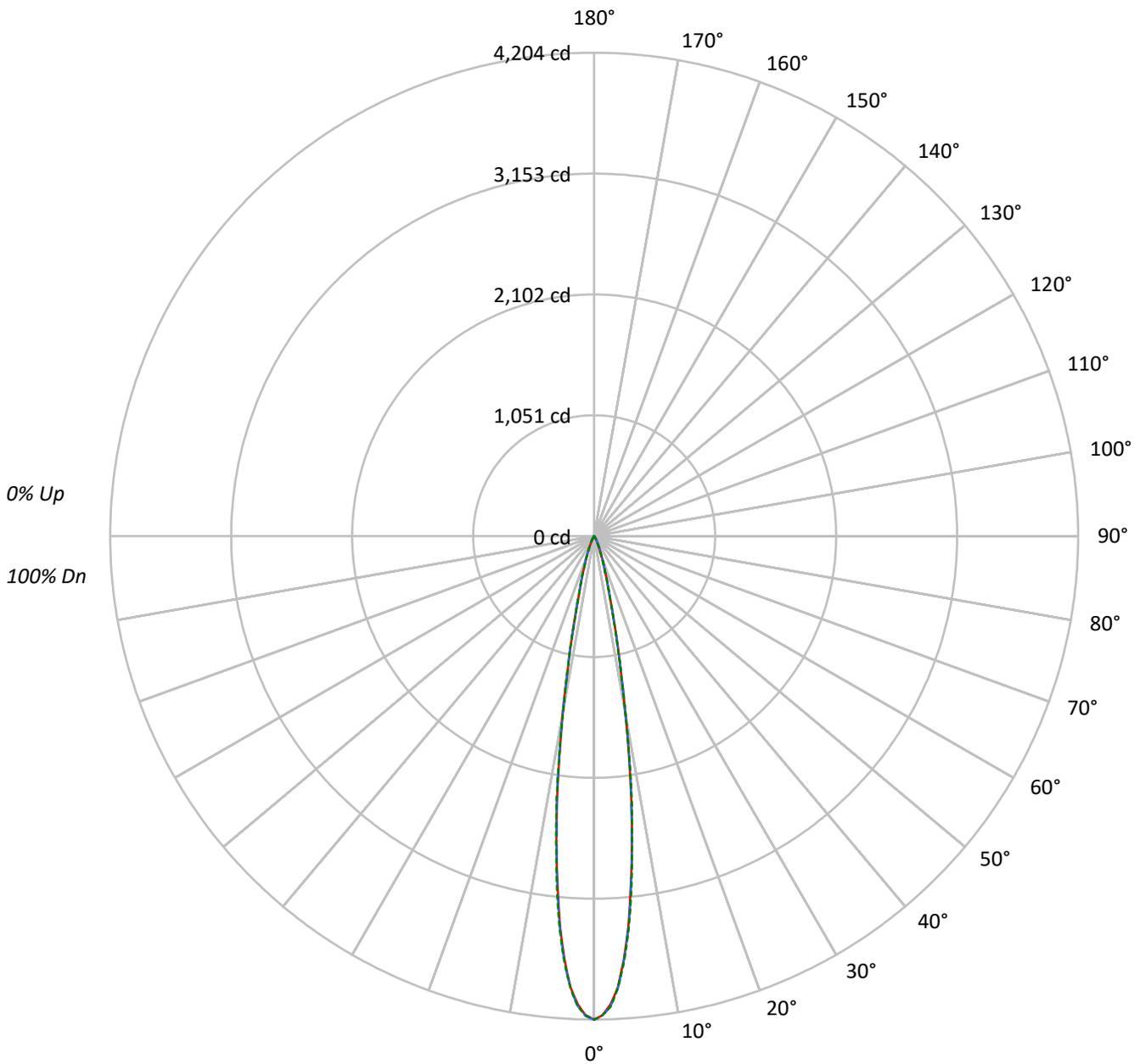
Test Method: LM-79-2019  
Report Number: P1318016  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R159830DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 472.0 lumens  
Efficiency: N/A  
Efficacy: 65.6 lumens/watt  
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 7.2  
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	102	102	100
1	116	114	112	111	113	112	110	109	108	107	105	104	103	102	101	100	99	99	98	98
2	112	109	107	105	110	108	105	103	105	103	101	102	100	99	99	98	97	99	98	96
3	110	106	103	100	108	104	102	99	102	100	98	100	98	96	98	96	95	98	96	94
4	107	102	99	97	106	101	98	96	100	97	95	98	96	94	96	94	93	96	94	92
5	105	100	96	94	103	99	96	93	97	95	93	96	94	92	95	93	91	95	93	90
6	102	97	94	91	101	97	93	91	95	92	90	94	92	90	93	91	89	93	91	88
7	100	95	92	89	99	94	91	89	93	91	89	92	90	88	92	89	88	92	89	87
8	98	93	90	87	98	93	89	87	92	89	87	91	88	87	90	88	86	90	88	85
9	97	91	88	86	96	91	88	85	90	87	85	89	87	85	89	86	85	89	86	84
10	95	89	86	84	94	89	86	84	89	86	84	88	85	84	87	85	83	87	85	83

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

	0°	45°	90°
0°	724110	724110	724110
5°	588796	590854	592894
10°	274211	274473	272987
15°	84852	87883	86225
20°	33833	35720	33411
25°	14157	16684	13454
30°	5747	7656	5310
35°	1871	3511	1724
40°	674	1416	674
45°	268	463	268
50°	188	295	188
55°	210	210	210
60°	241	241	241
65°	163	163	163
70°	201	201	201
75°	266	266	266
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 463 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	263.2	55.8
10°-20°	157.4	33.3
20°-30°	40.0	8.5
30°-40°	8.7	1.8
40°-50°	1.4	0.3
50°-60°	0.6	0.1
60°-70°	0.4	0.1
70°-80°	0.3	0.1
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°	460.6	97.6
0°-40°	469.3	99.4
0°-60°	471.3	99.9
0°-90°	472.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	472.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4204	4204	4204	4204	4204	
5°	3406	3411	3418	3402	3430	263
15°	476	489	493	486	484	157
25°	74	80	88	78	71	38
35°	9	12	17	11	8	7
45°	1	2	2	2	1	1
55°	1	1	1	1	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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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4204.5	4204.5	4204.5	4204.5	4204.5
1°	4167.8	4174.8	4175.9	4174.8	4168.9
2°	4074.0	4094.8	4090.3	4081.4	4094.0
3°	3929.1	3939.5	3938.0	3938.7	3935.8
4°	3693.4	3711.6	3701.2	3709.0	3709.7
5°	3405.8	3410.6	3417.7	3402.1	3429.5
6°	3051.9	3082.7	3055.6	3082.3	3093.0
7°	2692.0	2709.8	2675.4	2693.9	2705.0
8°	2324.0	2292.9	2311.8	2312.2	2348.9
9°	1926.8	1933.1	1949.0	1930.8	1946.8
10°	1568.0	1582.5	1569.5	1563.2	1561.0
11°	1238.2	1254.5	1253.4	1255.2	1243.0
12°	996.2	987.6	993.2	975.0	983.2
13°	775.3	775.7	771.2	763.8	757.1
14°	607.4	603.7	614.1	604.8	596.3
15°	475.9	489.2	492.9	485.9	483.6
17.5°	293.5	293.9	299.1	292.4	291.7
20°	184.6	189.0	194.9	187.9	182.3
22.5°	116.7	120.8	130.1	121.2	113.4
25°	74.5	79.7	87.8	77.8	70.8
27.5°	46.7	51.5	59.3	50.0	44.8
30°	28.9	32.2	38.5	31.5	26.7
32.5°	16.7	20.0	25.2	18.9	15.9
35°	8.9	11.5	16.7	11.1	8.2
37.5°	5.2	6.7	10.7	5.9	4.8
40°	3.0	4.1	6.3	3.7	3.0
42.5°	1.9	2.6	3.0	2.2	1.5
45°	1.1	1.5	1.9	1.5	1.1
47.5°	0.7	1.1	1.5	0.7	0.7
50°	0.7	0.7	1.1	0.7	0.7
52.5°	0.7	0.7	0.7	0.7	0.7
55°	0.7	0.7	0.7	0.7	0.7
57.5°	0.7	0.7	0.7	0.7	0.7
60°	0.7	0.7	0.7	0.7	0.7
62.5°	0.4	0.4	0.4	0.4	0.4
65°	0.4	0.4	0.4	0.4	0.4
67.5°	0.4	0.4	0.4	0.4	0.4
70°	0.4	0.4	0.4	0.4	0.4
72.5°	0.4	0.4	0.4	0.4	0.4
75°	0.4	0.4	0.4	0.4	0.4
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)