

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: P1318107

Luminaire Tested: LDSQA3D05R459830DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1318107  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R459830DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

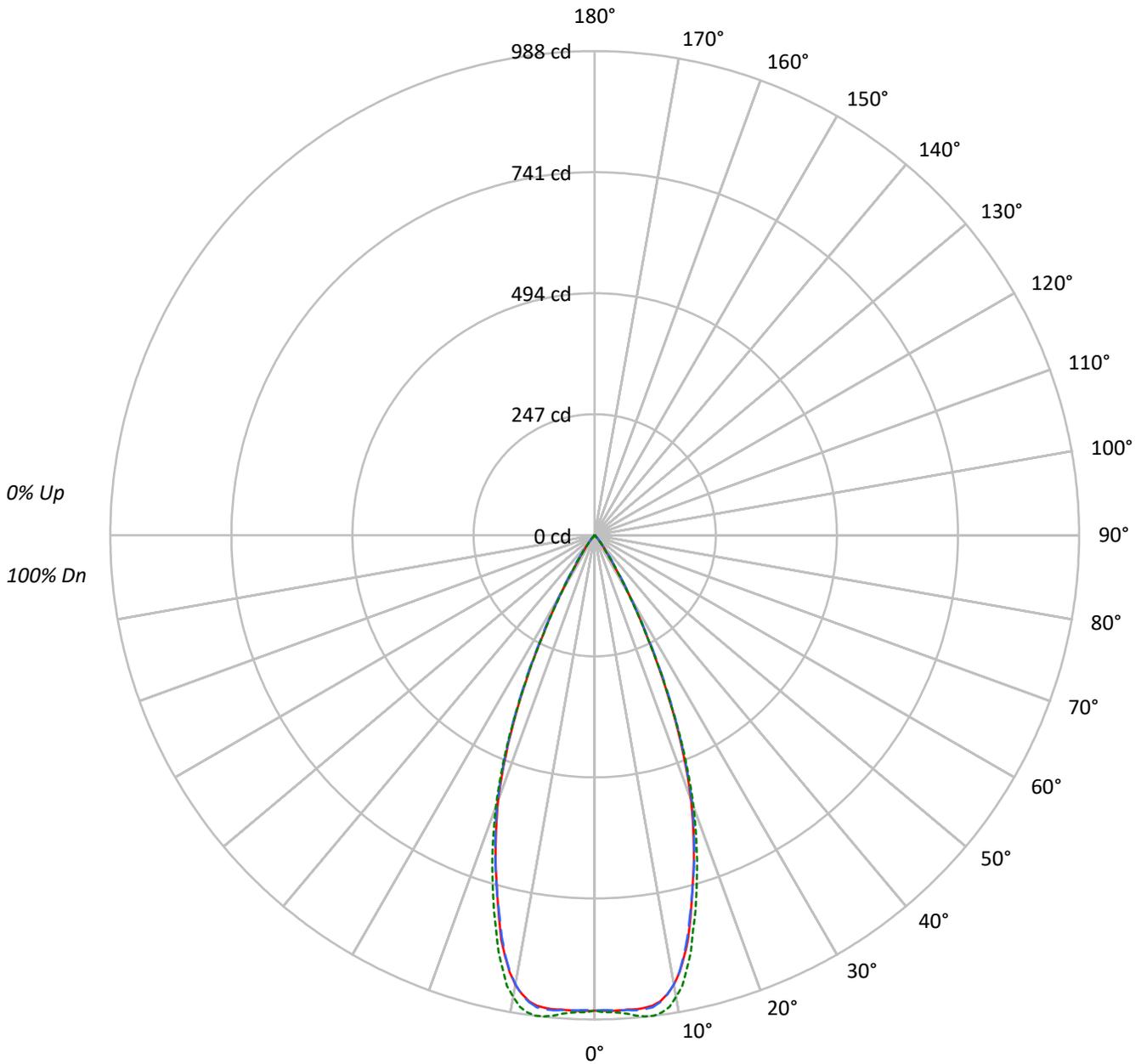
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 502.0 lumens  
Efficiency: N/A  
Efficacy: 69.7 lumens/watt  
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67  
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	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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	88	88	88	86
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	84	84	84	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	80	80	80	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	76	76	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	73	73	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	70	70	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	70	67	67	67	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	64	64	64	63

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

	0°	45°	90°
0°	167039	167039	167039
5°	167867	168195	170114
10°	162883	162760	167290
15°	136523	136451	141462
20°	105530	106611	108114
25°	64704	66034	64837
30°	27742	28995	26867
35°	8704	10512	8473
40°	2990	3822	2923
45°	536	1632	463
50°	295	589	295
55°	330	330	330
60°	241	241	241
65°	285	285	285
70°	201	201	201
75°	266	266	266
80°	397	397	397
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1632 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	92.2	18.4
10°-20°	213.0	42.4
20°-30°	156.0	31.1
30°-40°	34.5	6.9
40°-50°	4.2	0.8
50°-60°	1.0	0.2
60°-70°	0.7	0.1
70°-80°	0.4	0.1
80°-90°	0.1	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°	461.2	91.9
0°-40°	495.6	98.7
0°-60°	500.8	99.8
0°-90°	502.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	502.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	970	970	970	970	970	
5°	971	970	973	980	984	92
15°	766	762	765	784	793	211
25°	340	340	348	345	341	154
35°	41	44	50	44	40	33
45°	2	4	7	4	2	3
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
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°	969.9	969.9	969.9	969.9	969.9
1°	970.7	969.2	968.8	971.4	973.3
2°	971.4	969.6	969.9	972.5	973.6
3°	970.7	968.8	970.7	974.4	975.9
4°	970.3	969.6	971.4	976.6	979.2
5°	971.0	970.3	972.9	979.9	984.0
6°	969.9	968.8	972.5	981.4	987.3
7°	967.3	966.2	970.3	981.0	987.7
8°	960.3	958.1	962.2	975.5	983.6
9°	947.7	944.8	948.8	964.4	974.0
10°	931.4	928.1	930.7	945.9	956.6
11°	908.1	903.7	906.7	922.9	937.0
12°	878.5	872.2	875.9	894.4	904.4
13°	846.3	840.4	841.2	857.8	871.9
14°	806.4	798.6	801.9	819.3	830.4
15°	765.7	761.6	765.3	783.8	793.4
17.5°	672.4	672.0	675.4	689.1	694.2
20°	575.8	576.9	581.7	589.1	589.9
22.5°	461.5	461.8	467.0	472.2	471.1
25°	340.5	340.1	347.5	344.9	341.2
27.5°	225.7	227.2	233.9	229.1	225.4
30°	139.5	142.5	145.8	139.9	135.1
32.5°	75.5	80.3	85.1	79.9	75.1
35°	41.4	43.7	50.0	43.7	40.3
37.5°	24.1	25.2	29.2	25.2	22.9
40°	13.3	15.2	17.0	15.2	13.0
42.5°	5.6	8.5	10.4	8.5	5.6
45°	2.2	3.7	6.7	3.7	1.9
47.5°	1.1	1.5	4.1	1.5	1.1
50°	1.1	1.1	2.2	1.1	1.1
52.5°	1.1	1.1	1.1	1.1	1.1
55°	1.1	1.1	1.1	1.1	1.1
57.5°	1.1	1.1	1.1	1.1	1.1
60°	0.7	0.7	0.7	1.1	0.7
62.5°	0.7	0.7	0.7	0.7	0.7
65°	0.7	0.7	0.7	0.7	0.7
67.5°	0.7	0.7	0.7	0.7	0.7
70°	0.4	0.4	0.4	0.7	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°	0.4	0.4	0.4	0.4	0.4
80°	0.4	0.4	0.4	0.4	0.4
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)