

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: P1316320

Luminaire Tested: LDSQA3D05R509740DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316320  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R509740DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

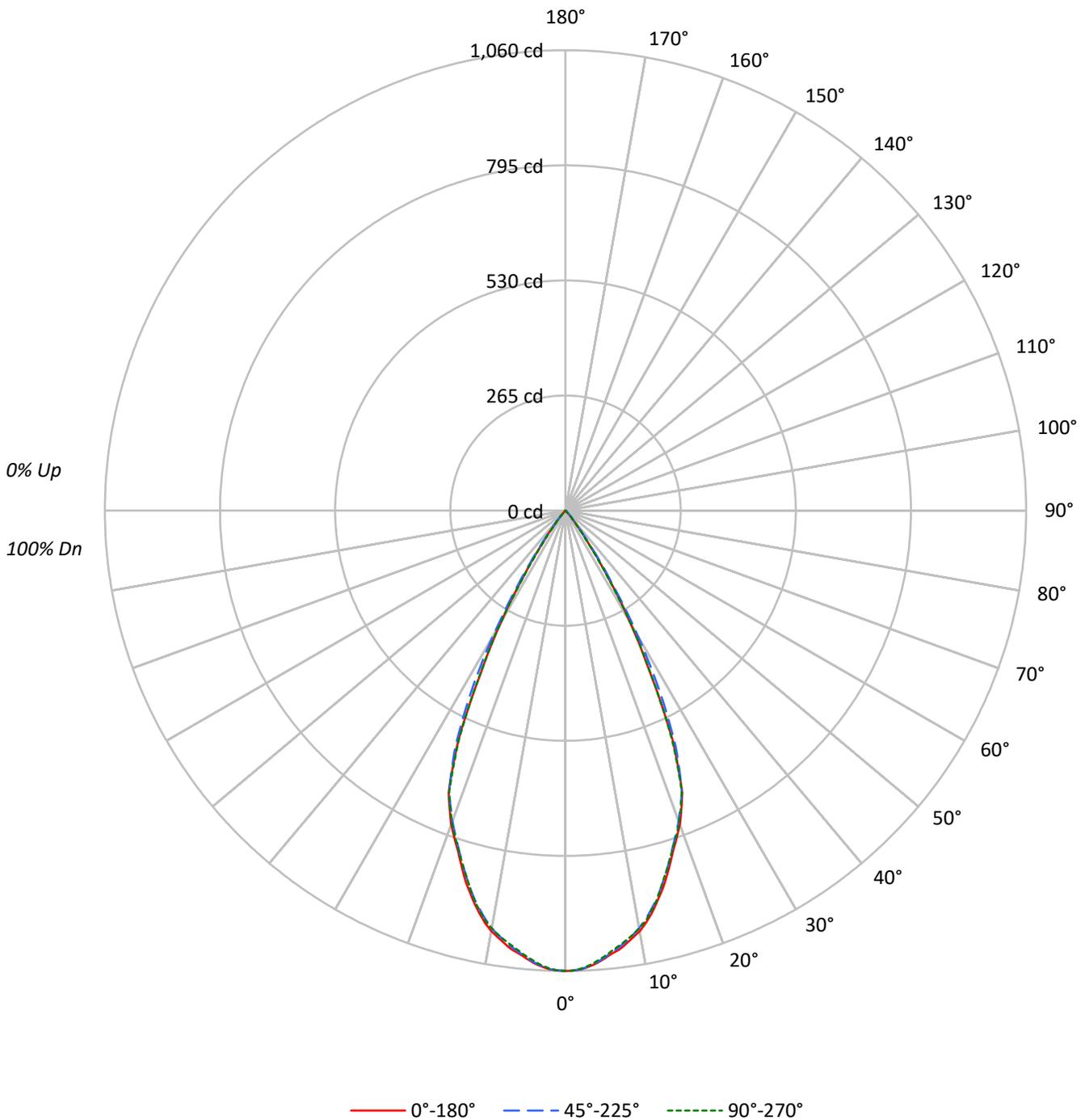
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 683.1 lumens  
Efficiency: N/A  
Efficacy: 94.9 lumens/watt  
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78  
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





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				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	100	100	100	100
1	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95	95	95	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	90	90	90	90
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	85	85	85	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	81	80	80	80	80
5	96	88	83	79	94	88	83	79	86	82	78	84	81	78	83	80	77	76	76	76	76
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	72	72	72	72
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	68	68	68	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	65	65	65	65
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	62	62	62	62
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	59	59	59	59

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

	0°	45°	90°
0°	182522	182522	182522
5°	178949	178620	178119
10°	171941	170752	170840
15°	157847	156367	156207
20°	141012	139509	140224
25°	110824	114054	109911
30°	59302	66421	59481
35°	19364	22622	18249
40°	4789	6003	4586
45°	585	2119	585
50°	402	643	402
55°	450	450	450
60°	344	344	344
65°	408	408	408
70°	252	252	252
75°	333	333	333
80°	496	496	496
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 2119 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.9	14.2
10°-20°	245.1	35.9
20°-30°	257.8	37.7
30°-40°	74.3	10.9
40°-50°	6.0	0.9
50°-60°	1.3	0.2
60°-70°	1.0	0.1
70°-80°	0.5	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°	599.8	87.8
0°-40°	674.1	98.7
0°-60°	681.4	99.8
0°-90°	683.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	683.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1060	1060	1060	1060	1060	
5°	1035	1035	1033	1034	1030	97
15°	885	880	877	877	876	247
25°	583	598	600	593	578	253
35°	92	96	108	92	87	71
45°	2	5	9	5	2	5
55°	2	2	2	2	2	1
65°	1	1	1	1	1	1
75°	0	0	0	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1059.8	1059.8	1059.8	1059.8	1059.8
1°	1059.3	1060.3	1058.4	1061.8	1058.9
2°	1056.9	1057.4	1056.4	1058.9	1055.0
3°	1051.1	1052.1	1050.1	1052.1	1048.7
4°	1044.3	1044.3	1042.4	1043.8	1039.5
5°	1035.1	1034.6	1033.2	1034.1	1030.3
6°	1025.4	1024.9	1022.5	1022.5	1019.6
7°	1018.1	1014.7	1012.8	1012.3	1009.4
8°	1006.5	1005.5	1001.6	1001.6	999.7
9°	994.9	993.9	989.5	990.5	989.0
10°	983.2	979.8	976.4	976.9	976.9
11°	967.7	964.8	960.0	961.9	962.9
12°	949.3	945.9	941.5	945.4	944.9
13°	928.9	926.0	922.6	925.5	924.6
14°	907.6	903.2	900.3	902.3	901.3
15°	885.3	879.5	877.0	877.0	876.1
17.5°	822.7	819.4	816.9	815.5	818.9
20°	769.4	766.5	761.2	762.6	765.1
22.5°	702.5	702.0	699.1	696.7	699.6
25°	583.2	597.8	600.2	593.4	578.4
27.5°	423.7	457.7	469.8	453.8	426.2
30°	298.2	314.2	334.0	302.5	299.1
32.5°	179.9	184.2	202.7	180.8	176.0
35°	92.1	95.5	107.6	92.1	86.8
37.5°	43.1	45.1	49.9	43.1	40.2
40°	21.3	23.8	26.7	22.3	20.4
42.5°	9.2	12.1	15.5	11.6	8.2
45°	2.4	4.8	8.7	4.8	2.4
47.5°	1.5	1.9	4.8	1.9	1.5
50°	1.5	1.5	2.4	1.5	1.5
52.5°	1.5	1.5	1.5	1.5	1.5
55°	1.5	1.5	1.5	1.5	1.5
57.5°	1.5	1.5	1.5	1.5	1.5
60°	1.0	1.5	1.0	1.5	1.0
62.5°	1.0	1.0	1.0	1.0	1.0
65°	1.0	1.0	1.0	1.0	1.0
67.5°	1.0	1.0	1.0	1.0	1.0
70°	0.5	0.5	0.5	0.5	0.5
72.5°	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5
80°	0.5	0.5	0.5	0.5	0.5
82.5°	0.0	0.5	0.0	0.5	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)