

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: P1316713

Luminaire Tested: LDSQA3D17R209740DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316713  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R209740DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 97CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

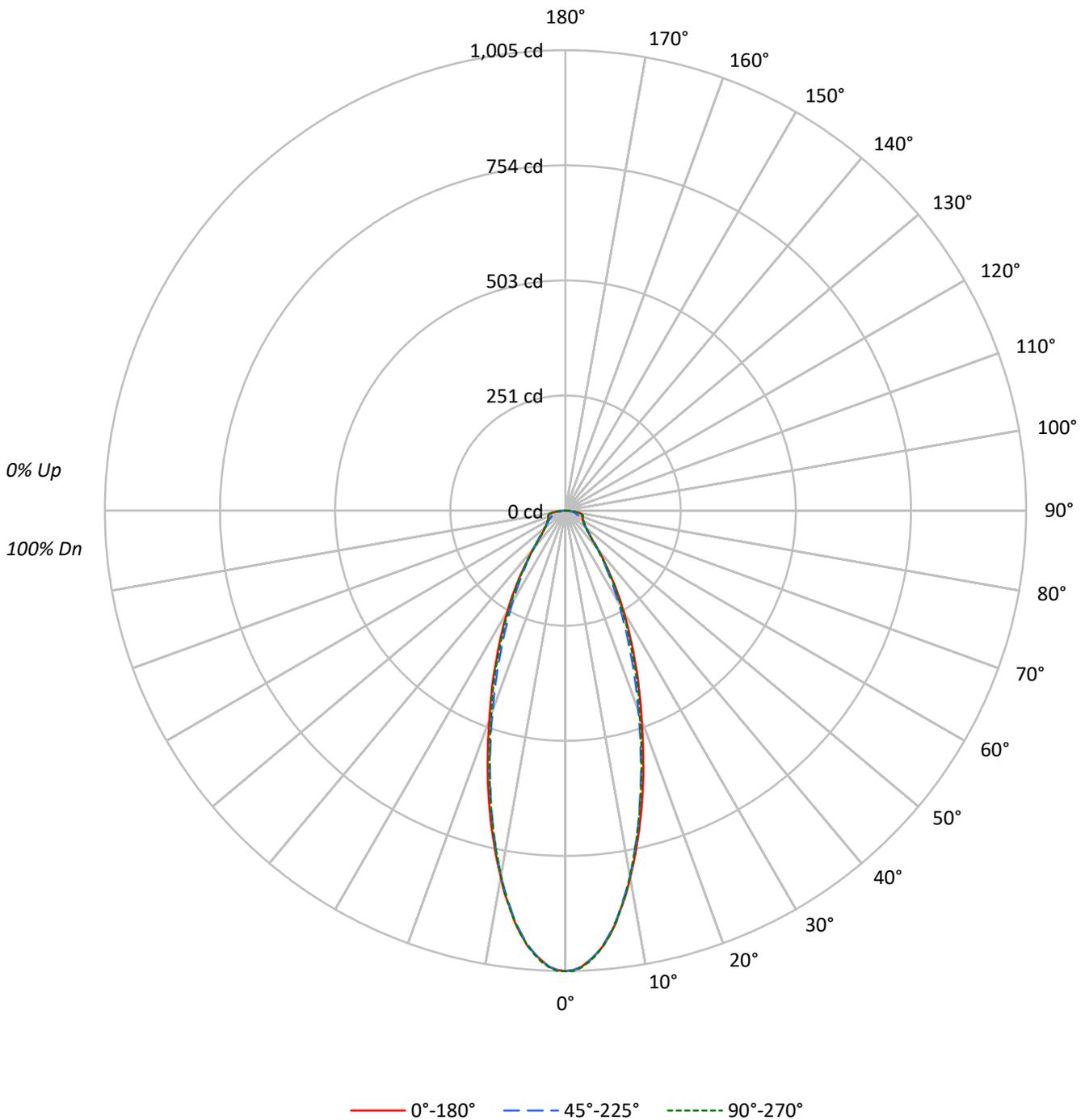
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 709.0 lumens  
Efficiency: N/A  
Efficacy: 33.4 lumens/watt  
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.2  
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				
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	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	91	91	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	82	82	82	80
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	74	74	74	72
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	68	68	68	66
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	63	63	63	61
6	82	72	65	60	81	71	65	60	69	64	59	68	63	59	67	62	59	59	59	59	57
7	78	67	61	56	77	67	60	56	65	60	55	64	59	55	63	58	55	55	55	55	53
8	74	63	57	52	73	63	57	52	62	56	52	61	55	52	60	55	51	51	51	51	50
9	71	60	53	49	69	59	53	49	58	53	49	57	52	49	57	52	48	48	48	48	47
10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46	46	46	46	44

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

	0°	45°	90°
0°	173153	173153	173153
5°	164755	164323	164755
10°	142229	141792	141565
15°	115430	112756	113201
20°	88925	85040	86634
25°	67554	62576	65654
30°	50114	45640	48623
35°	35405	33051	34880
40°	24393	24393	23831
45°	17926	18827	17926
50°	15701	15701	15701
55°	14983	14593	14983
60°	15466	14191	15466
65°	16790	14222	16790
70°	20091	14452	20091
75°	25752	15770	25752
80°	32134	16067	30944
85°	24700	14820	27072

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 32134 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.3	12.2
10°-20°	176.1	24.8
20°-30°	157.3	22.2
30°-40°	103.2	14.6
40°-50°	60.0	8.5
50°-60°	44.5	6.3
60°-70°	37.6	5.3
70°-80°	31.1	4.4
80°-90°	13.0	1.8
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°	419.6	59.2
0°-40°	522.8	73.7
0°-60°	627.3	88.5
0°-90°	709.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	709.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1005	1005	1005	1005	1005	
5°	953	952	950	952	953	86
15°	647	641	632	634	635	179
25°	356	346	329	338	346	164
35°	168	163	157	162	166	107
45°	74	75	77	75	74	59
55°	50	49	49	49	50	45
65°	41	37	35	37	41	41
75°	39	29	24	29	39	40
85°	12	14	8	14	14	15
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1005.4	1005.4	1005.4	1005.4	1005.4
1°	1002.9	1004.1	1002.9	1004.1	1005.4
2°	996.6	997.9	996.6	996.6	997.9
3°	984.2	985.4	985.4	985.4	986.6
4°	969.2	970.4	969.2	970.4	971.7
5°	953.0	951.7	950.5	951.7	953.0
6°	930.5	929.3	928.0	929.3	930.5
7°	905.6	904.3	903.1	903.1	904.3
8°	874.4	875.6	871.9	874.4	875.6
9°	846.9	844.5	842.0	842.0	844.5
10°	813.3	810.8	810.8	809.5	809.5
12.5°	730.9	726.0	722.2	722.2	723.5
15°	647.4	641.1	632.4	633.6	634.9
17.5°	563.8	556.3	545.1	547.6	550.1
20°	485.2	477.7	464.0	469.0	472.7
22.5°	417.9	406.6	394.2	397.9	410.4
25°	355.5	345.5	329.3	338.0	345.5
27.5°	300.6	289.4	275.7	284.4	291.9
30°	252.0	242.0	229.5	237.0	244.5
32.5°	208.3	199.6	190.8	195.8	202.1
35°	168.4	163.4	157.2	162.2	165.9
37.5°	136.0	133.5	131.0	133.5	132.2
40°	108.5	109.8	108.5	108.5	106.0
42.5°	86.1	89.8	91.1	88.6	86.1
45°	73.6	74.8	77.3	74.8	73.6
47.5°	64.9	64.9	66.1	64.9	63.6
50°	58.6	58.6	58.6	58.6	58.6
52.5°	53.6	53.6	52.4	53.6	53.6
55°	49.9	48.6	48.6	48.6	49.9
57.5°	47.4	46.2	44.9	46.2	47.4
60°	44.9	42.4	41.2	42.4	44.9
62.5°	42.4	39.9	38.7	39.9	42.4
65°	41.2	37.4	34.9	37.4	41.2
67.5°	39.9	34.9	32.4	34.9	41.2
70°	39.9	32.4	28.7	33.7	39.9
72.5°	38.7	31.2	26.2	31.2	38.7
75°	38.7	28.7	23.7	28.7	38.7
77.5°	36.2	26.2	20.0	26.2	36.2
80°	32.4	23.7	16.2	23.7	31.2
82.5°	23.7	20.0	12.5	20.0	23.7
85°	12.5	13.7	7.5	13.7	13.7
87.5°	1.2	5.0	2.5	7.5	6.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)