

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: P1316511

Luminaire Tested: LDSQA3D09R709740DE010 3LSQCLDWWR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316511  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-45)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R709740DE010 3LSQCLDWWR1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , 3LSQCLDWWR1MW TR  
Light Source: -  
Ballast/Driver: -

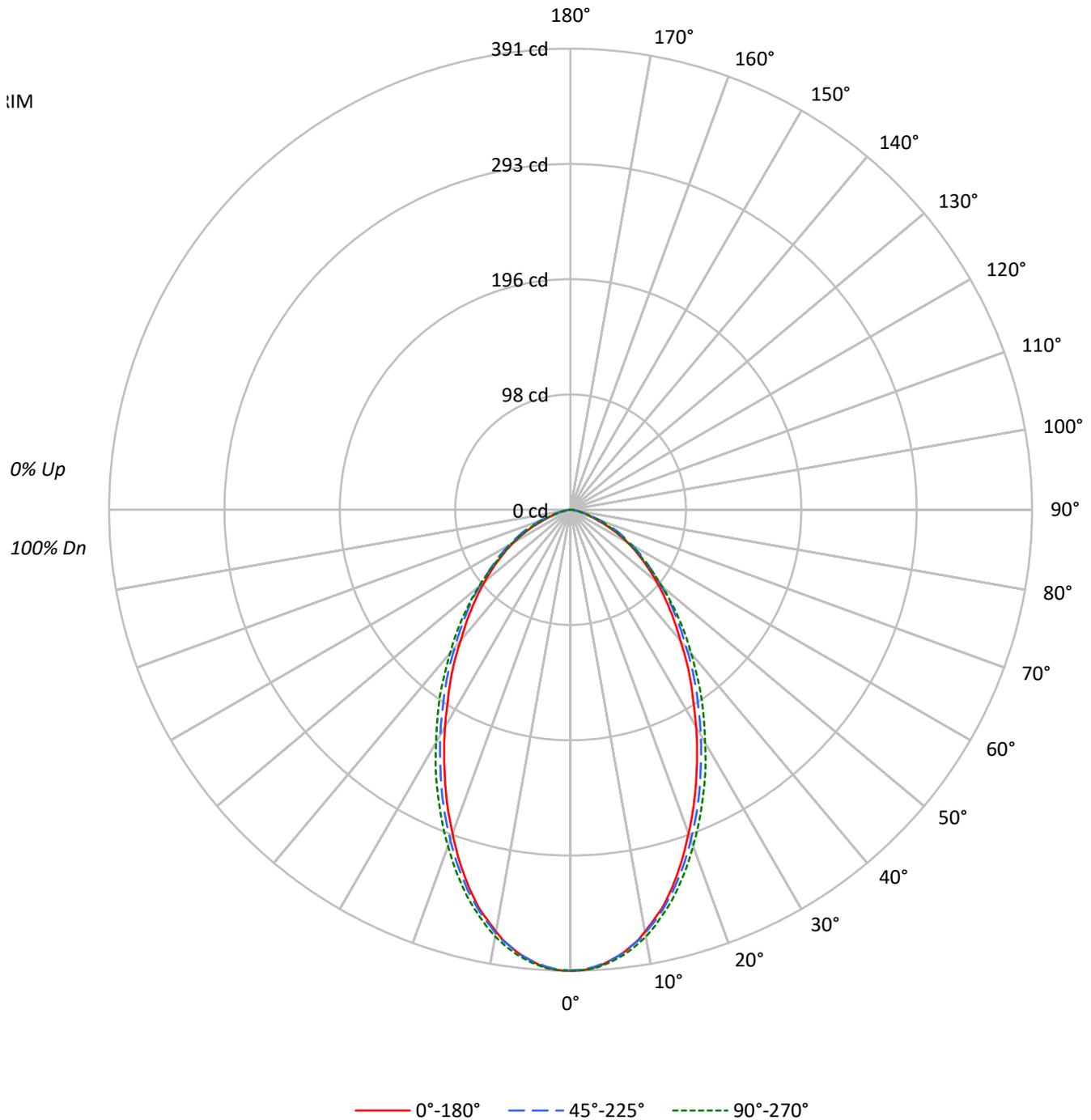
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 587.0 lumens  
Efficiency: N/A  
Efficacy: 52.9 lumens/watt  
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	107	104	101	109	105	102	99	101	98	96	97	95	93	94	92	91	89		
2	103	96	91	86	101	95	89	85	91	87	83	88	84	81	85	82	80	78		
3	95	87	80	75	93	85	79	74	82	77	73	80	75	71	77	74	70	68		
4	89	78	71	65	87	77	70	65	75	69	64	73	67	63	71	66	62	61		
5	83	71	64	58	81	70	63	58	68	62	57	67	61	57	65	60	56	54		
6	77	65	58	52	75	64	57	52	63	56	51	61	55	51	60	55	51	49		
7	72	60	52	47	70	59	52	47	58	51	47	57	51	46	55	50	46	44		
8	68	56	48	43	66	55	48	43	54	47	42	53	47	42	51	46	42	40		
9	64	52	44	39	62	51	44	39	50	44	39	49	43	39	48	43	39	37		
10	60	48	41	36	59	48	41	36	47	40	36	46	40	36	45	40	36	34		

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

	0°	45°	90°
0°	67322	67322	67322
5°	66352	66352	66611
10°	63534	63779	64268
15°	59195	59712	60461
20°	53571	54616	55661
25°	47868	49217	50566
30°	42338	43890	45302
35°	37297	38937	40577
40°	32532	34285	35724
45°	28862	30421	31444
50°	25480	26793	27195
55°	22369	23661	23000
60°	19323	20770	19806
65°	15323	17931	16178
70°	11078	13948	12135
75°	8517	8983	7586
80°	5653	5653	4265
85°	2766	2766	2766

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 31444 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	36.0	6.1
10°-20°	93.6	15.9
20°-30°	118.9	20.3
30°-40°	115.6	19.7
40°-50°	96.2	16.4
50°-60°	69.3	11.8
60°-70°	40.8	7.0
70°-80°	14.5	2.5
80°-90°	2.1	0.4
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°	248.5	42.3
0°-40°	364.1	62.0
0°-60°	529.6	90.2
0°-90°	587.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	587.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	391	391	391	391	391	
5°	384	383	384	384	385	36
15°	332	332	335	337	339	93
25°	252	255	259	264	266	116
35°	177	180	185	190	193	111
45°	118	121	125	128	129	92
55°	74	77	79	78	77	67
65°	38	40	44	42	40	37
75°	13	14	14	12	11	14
85°	1	1	1	1	1	2
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	390.9	390.9	390.9	390.9	390.9
1°	390.9	390.2	390.2	390.2	390.9
2°	390.2	389.5	389.5	389.5	390.2
3°	388.8	388.1	388.1	388.1	389.5
4°	386.7	385.3	386.0	386.0	387.4
5°	383.8	383.1	383.8	383.8	385.3
6°	381.0	380.3	381.0	381.0	382.4
7°	377.5	376.7	377.5	378.2	379.6
8°	373.2	372.5	373.2	373.9	376.0
9°	368.9	368.2	369.7	370.4	371.8
10°	363.3	363.3	364.7	365.4	367.5
11°	357.6	357.6	359.0	360.4	362.6
12°	351.9	351.9	354.0	355.5	356.9
13°	346.2	345.5	347.7	349.1	351.2
14°	339.1	338.4	341.3	343.4	345.5
15°	332.0	332.0	334.9	337.0	339.1
17.5°	312.9	313.6	317.1	320.0	322.1
20°	292.3	294.4	298.0	301.5	303.7
22.5°	272.4	273.9	278.8	283.1	285.2
25°	251.9	254.7	259.0	263.9	266.1
27.5°	232.0	234.8	239.1	244.1	247.6
30°	212.9	215.0	220.7	225.6	227.8
32.5°	193.7	196.5	202.2	207.2	210.0
35°	177.4	179.5	185.2	190.1	193.0
37.5°	161.1	163.2	168.9	173.1	175.2
40°	144.7	148.3	152.5	156.8	158.9
42.5°	131.3	134.1	138.4	141.9	144.0
45°	118.5	120.6	124.9	127.7	129.1
47.5°	106.4	108.6	112.8	114.2	114.9
50°	95.1	97.2	100.0	100.7	101.5
52.5°	84.4	85.8	88.7	88.7	88.0
55°	74.5	76.6	78.8	78.0	76.6
57.5°	65.3	66.0	69.5	68.1	66.7
60°	56.1	57.5	60.3	58.9	57.5
62.5°	46.8	48.2	51.8	50.4	48.2
65°	37.6	40.4	44.0	41.9	39.7
67.5°	28.4	31.9	35.5	33.3	31.9
70°	22.0	24.8	27.7	25.5	24.1
72.5°	17.0	18.4	19.9	18.4	17.0
75°	12.8	13.5	13.5	12.1	11.4
77.5°	9.2	9.9	8.5	7.1	7.1
80°	5.7	6.4	5.7	4.3	4.3
82.5°	2.8	3.5	2.8	2.8	2.8
85°	1.4	1.4	1.4	1.4	1.4
87.5°	0.7	0.7	0.7	0.7	0.7



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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)