

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: P1316354

Luminaire Tested: LDSQA3D05R709740DE010 3LSQCLDWWR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316354  
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: LDSQA3D05R709740DE010 3LSQCLDWWR1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , 3LSQCLDWWR1MW TR  
Light Source: -  
Ballast/Driver: -

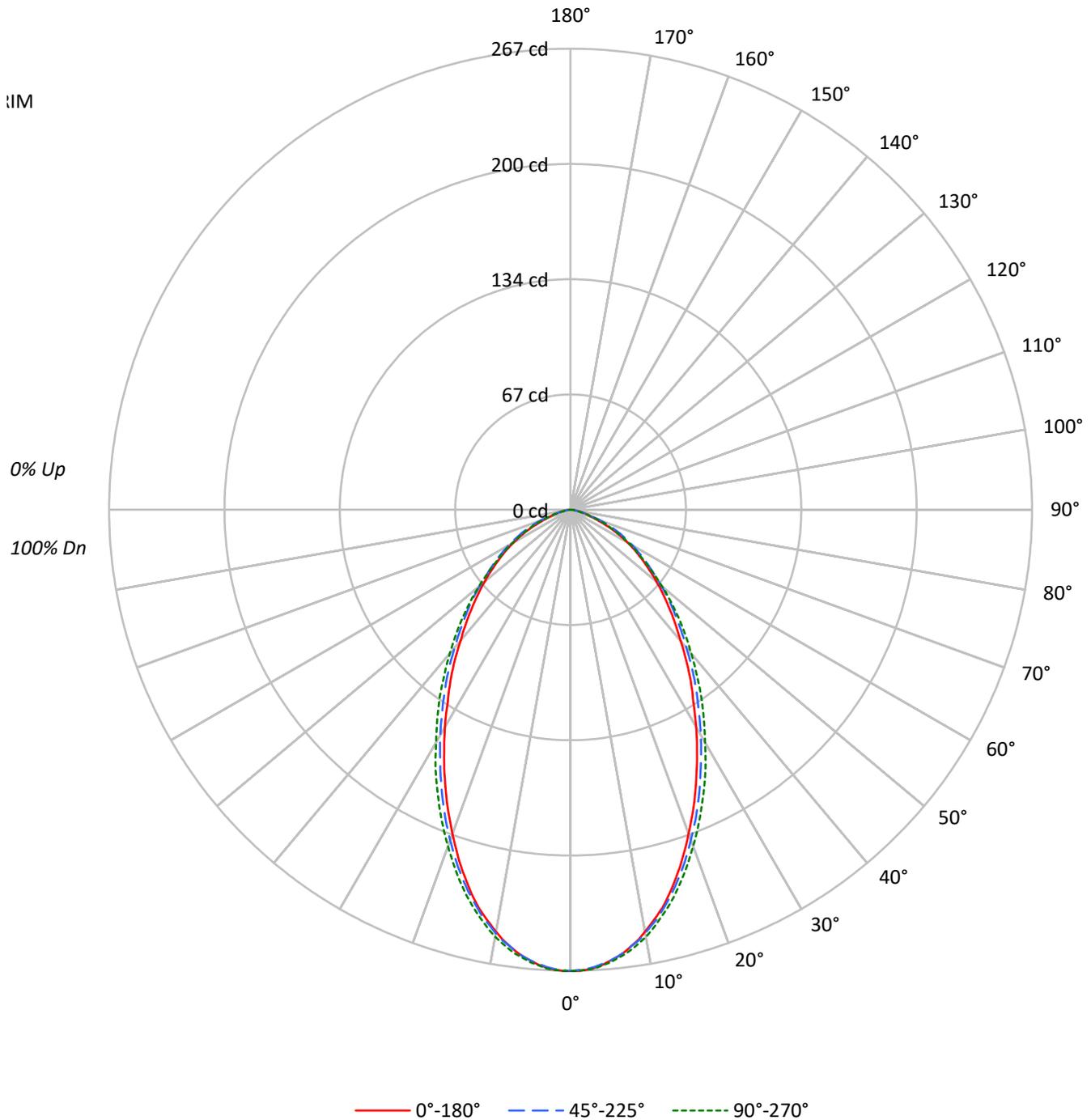
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 401.0 lumens  
Efficiency: N/A  
Efficacy: 55.7 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): 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		
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		0
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°	46001	46001	46001
5°	45329	45329	45502
10°	43405	43562	43912
15°	40438	40795	41312
20°	36600	37315	38011
25°	32704	33616	34547
30°	28915	29969	30943
35°	25482	26596	27710
40°	22235	23426	24416
45°	19704	20776	21482
50°	17389	18300	18568
55°	15283	16154	15704
60°	13192	14191	13537
65°	10473	12266	11044
70°	7553	9517	8308
75°	5789	6122	5190
80°	3868	3868	2876
85°	1976	1976	1976

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 21482 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	24.6	6.1
10°-20°	63.9	15.9
20°-30°	81.2	20.3
30°-40°	79.0	19.7
40°-50°	65.7	16.4
50°-60°	47.4	11.8
60°-70°	27.9	7.0
70°-80°	9.9	2.5
80°-90°	1.5	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°	169.7	42.3
0°-40°	248.7	62.0
0°-60°	361.8	90.2
0°-90°	401.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	401.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	267	267	267	267	267	
5°	262	262	262	262	263	25
15°	227	227	229	230	232	63
25°	172	174	177	180	182	79
35°	121	123	126	130	132	76
45°	81	82	85	87	88	63
55°	51	52	54	53	52	46
65°	26	28	30	29	27	26
75°	9	9	9	8	8	9
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	267.1	267.1	267.1	267.1	267.1
1°	267.1	266.6	266.6	266.6	267.1
2°	266.6	266.1	266.1	266.1	266.6
3°	265.6	265.1	265.1	265.1	266.1
4°	264.2	263.2	263.7	263.7	264.6
5°	262.2	261.7	262.2	262.2	263.2
6°	260.3	259.8	260.3	260.3	261.2
7°	257.9	257.4	257.9	258.3	259.3
8°	254.9	254.5	254.9	255.4	256.9
9°	252.0	251.6	252.5	253.0	254.0
10°	248.2	248.2	249.1	249.6	251.1
11°	244.3	244.3	245.3	246.2	247.7
12°	240.4	240.4	241.9	242.8	243.8
13°	236.5	236.0	237.5	238.5	239.9
14°	231.7	231.2	233.1	234.6	236.0
15°	226.8	226.8	228.8	230.2	231.7
17.5°	213.7	214.2	216.7	218.6	220.0
20°	199.7	201.1	203.6	206.0	207.4
22.5°	186.1	187.1	190.5	193.4	194.8
25°	172.1	174.0	176.9	180.3	181.8
27.5°	158.5	160.4	163.3	166.7	169.2
30°	145.4	146.9	150.7	154.1	155.6
32.5°	132.3	134.3	138.1	141.5	143.5
35°	121.2	122.6	126.5	129.9	131.8
37.5°	110.0	111.5	115.4	118.3	119.7
40°	98.9	101.3	104.2	107.1	108.6
42.5°	89.7	91.6	94.5	96.9	98.4
45°	80.9	82.4	85.3	87.2	88.2
47.5°	72.7	74.2	77.1	78.0	78.5
50°	64.9	66.4	68.3	68.8	69.3
52.5°	57.7	58.6	60.6	60.6	60.1
55°	50.9	52.3	53.8	53.3	52.3
57.5°	44.6	45.1	47.5	46.5	45.6
60°	38.3	39.3	41.2	40.2	39.3
62.5°	32.0	33.0	35.4	34.4	33.0
65°	25.7	27.6	30.1	28.6	27.1
67.5°	19.4	21.8	24.2	22.8	21.8
70°	15.0	17.0	18.9	17.4	16.5
72.5°	11.6	12.6	13.6	12.6	11.6
75°	8.7	9.2	9.2	8.2	7.8
77.5°	6.3	6.8	5.8	4.8	4.8
80°	3.9	4.4	3.9	2.9	2.9
82.5°	1.9	2.4	1.9	1.9	1.9
85°	1.0	1.0	1.0	1.0	1.0
87.5°	0.5	0.5	0.5	0.5	0.5



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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)