

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: P1311400

Luminaire Tested: LDSQA3D09R709040DE010 3LSQCLDWWR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311400
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: LDSQA3D09R709040DE010 3LSQCLDWWR1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , 3LSQCLDWWR1MW TR
Light Source: -
Ballast/Driver: -

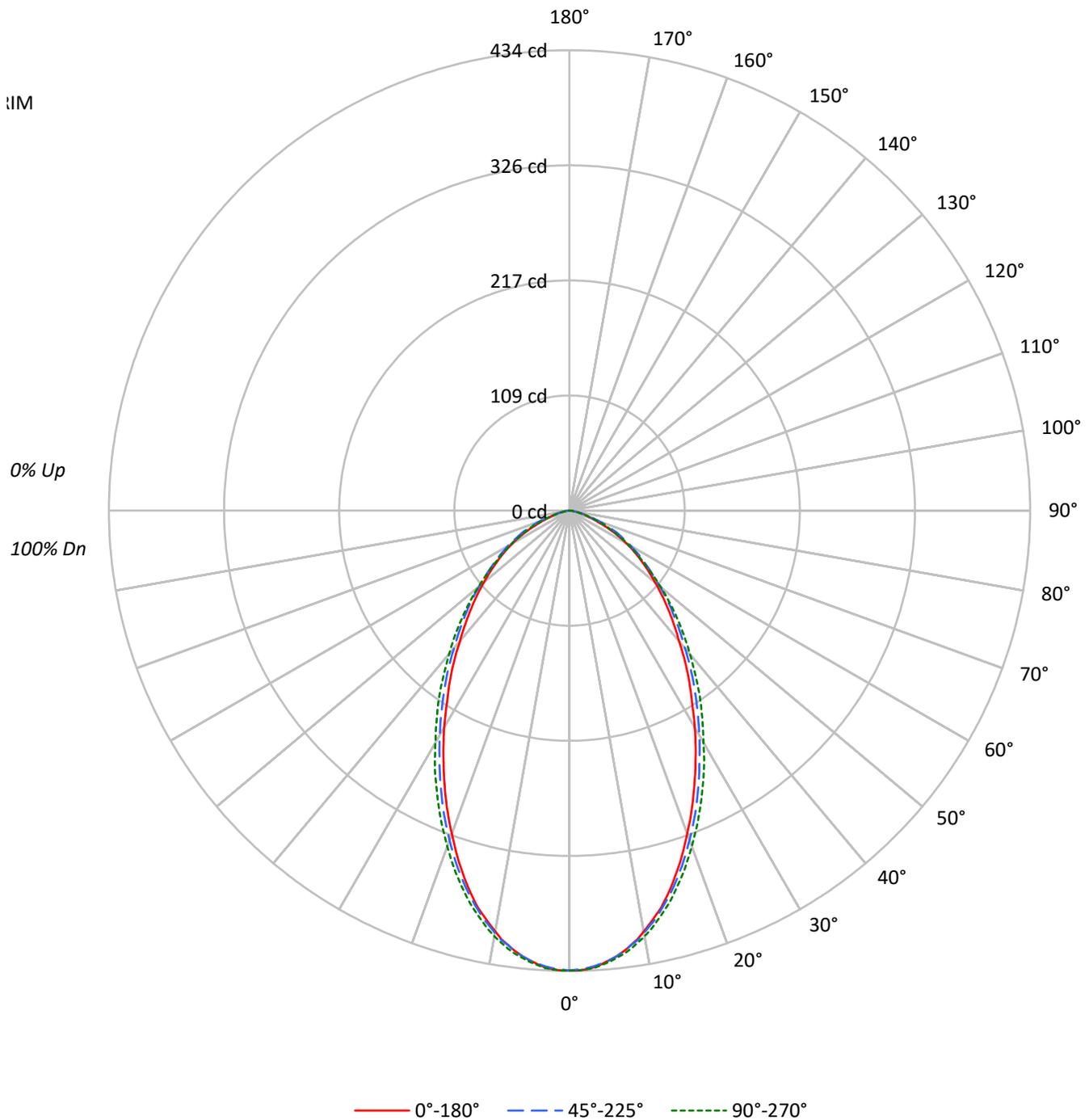
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 651.0 lumens
Efficiency: N/A
Efficacy: 58.7 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): 11.1
Input Voltage (V): NR
Input Current (A_{in}): 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	100	100
1	111	107	104	101	109	105	102	99	101	98	96	97	95	93	94	92	91	89	89	89
2	103	96	91	86	101	95	89	85	91	87	83	88	84	81	85	82	80	78	78	78
3	95	87	80	75	93	85	79	74	82	77	73	80	75	71	77	74	70	68	68	68
4	89	78	71	65	87	77	70	65	75	69	64	73	67	63	71	66	62	61	61	61
5	83	71	64	58	81	70	63	58	68	62	57	67	61	57	65	60	56	54	54	54
6	77	65	58	52	75	64	57	52	63	56	51	61	55	51	60	55	51	49	49	49
7	72	60	52	47	70	59	52	47	58	51	47	57	51	46	55	50	46	44	44	44
8	68	56	48	43	66	55	48	43	54	47	42	53	47	42	51	46	42	40	40	40
9	64	52	44	39	62	51	44	39	50	44	39	49	43	39	48	43	39	37	37	37
10	60	48	41	36	59	48	41	36	47	40	36	46	40	36	45	40	36	34	34	34

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	74676	74676	74676
5°	73595	73595	73872
10°	70459	70721	71281
15°	65649	66220	67058
20°	59418	60573	61727
25°	53074	54576	56077
30°	46952	48662	50233
35°	41355	43184	44992
40°	36084	38040	39636
45°	32004	33733	34878
50°	28240	29714	30142
55°	24802	26213	25522
60°	21424	23043	21941
65°	16993	19887	17971
70°	12287	15459	13495
75°	9449	9981	8384
80°	6248	6248	4661
85°	3162	3162	3162

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 34878 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.0	6.1
10°-20°	103.8	15.9
20°-30°	131.8	20.3
30°-40°	128.3	19.7
40°-50°	106.6	16.4
50°-60°	76.9	11.8
60°-70°	45.2	7.0
70°-80°	16.0	2.5
80°-90°	2.4	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°	275.6	42.3
0°-40°	403.8	62.0
0°-60°	587.4	90.2
0°-90°	651.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	651.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	434	434	434	434	434	
5°	426	425	426	426	427	40
15°	368	368	371	374	376	103
25°	279	282	287	293	295	128
35°	197	199	205	211	214	123
45°	131	134	138	142	143	102
55°	83	85	87	87	85	74
65°	42	45	49	46	44	42
75°	14	15	15	13	13	15
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	433.6	433.6	433.6	433.6	433.6
1°	433.6	432.8	432.8	432.8	433.6
2°	432.8	432.0	432.0	432.0	432.8
3°	431.2	430.4	430.4	430.4	432.0
4°	428.8	427.3	428.1	428.1	429.6
5°	425.7	424.9	425.7	425.7	427.3
6°	422.5	421.8	422.5	422.5	424.1
7°	418.6	417.8	418.6	419.4	421.0
8°	413.9	413.1	413.9	414.7	417.0
9°	409.2	408.4	410.0	410.7	412.3
10°	402.9	402.9	404.4	405.2	407.6
11°	396.6	396.6	398.2	399.7	402.1
12°	390.3	390.3	392.6	394.2	395.8
13°	384.0	383.2	385.6	387.1	389.5
14°	376.1	375.3	378.5	380.8	383.2
15°	368.2	368.2	371.4	373.8	376.1
17.5°	347.0	347.8	351.7	354.9	357.2
20°	324.2	326.5	330.5	334.4	336.8
22.5°	302.2	303.7	309.2	314.0	316.3
25°	279.3	282.5	287.2	292.7	295.1
27.5°	257.3	260.4	265.2	270.7	274.6
30°	236.1	238.4	244.7	250.2	252.6
32.5°	214.8	218.0	224.3	229.8	232.9
35°	196.7	199.1	205.4	210.9	214.0
37.5°	178.6	181.0	187.3	192.0	194.4
40°	160.5	164.5	169.2	173.9	176.3
42.5°	145.6	148.7	153.4	157.4	159.7
45°	131.4	133.8	138.5	141.6	143.2
47.5°	118.0	120.4	125.1	126.7	127.5
50°	105.4	107.8	110.9	111.7	112.5
52.5°	93.6	95.2	98.4	98.4	97.6
55°	82.6	85.0	87.3	86.6	85.0
57.5°	72.4	73.2	77.1	75.5	74.0
60°	62.2	63.7	66.9	65.3	63.7
62.5°	51.9	53.5	57.4	55.9	53.5
65°	41.7	44.9	48.8	46.4	44.1
67.5°	31.5	35.4	39.3	37.0	35.4
70°	24.4	27.5	30.7	28.3	26.8
72.5°	18.9	20.5	22.0	20.5	18.9
75°	14.2	15.0	15.0	13.4	12.6
77.5°	10.2	11.0	9.4	7.9	7.9
80°	6.3	7.1	6.3	4.7	4.7
82.5°	3.1	3.9	3.1	3.1	3.1
85°	1.6	1.6	1.6	1.6	1.6
87.5°	0.8	0.8	0.8	0.8	0.8



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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)