

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: P1327328

Luminaire Tested: LDSQA3D09R70W2N902765DE010 3LSQCLDWWR1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327328
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: LDSQA3D09R70W2N902765DE010 3LSQCLDWR1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 2700K CCT AND, 90CRI ,
3LSQCLDWR1MW TRIM
Light Source: -
Ballast/Driver: -

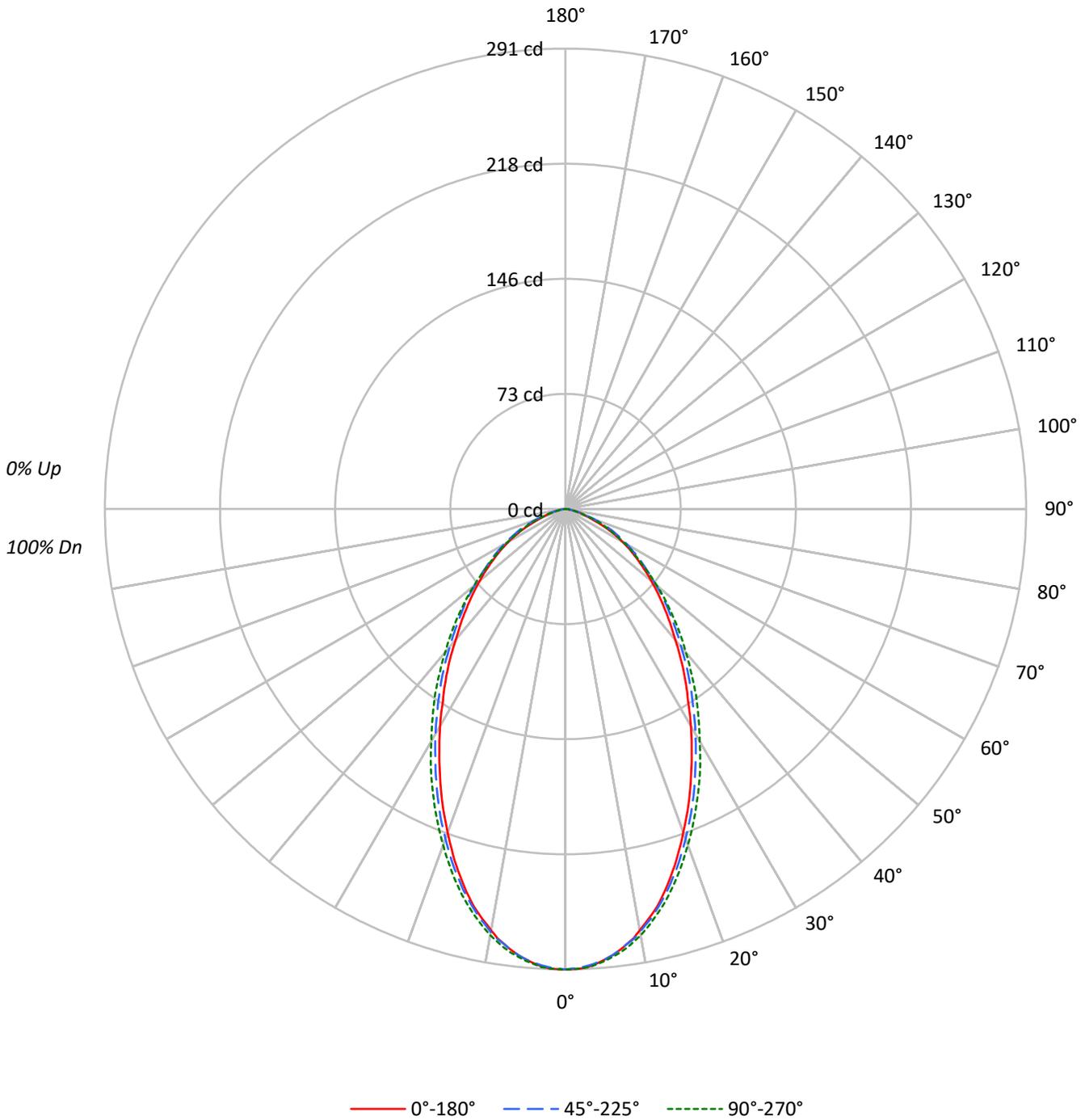
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 437.0 lumens
Efficiency: N/A
Efficacy: 48.6 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): 9
Input Voltage (V): NR
Input Current (Ain): 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										
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	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														
1	111	107	104	101	109	105	102	99	101	98	96	97	95	93	94	92	91	89						89														
2	103	96	91	86	101	95	89	85	91	87	83	88	84	81	85	82	80	78						78														
3	95	87	80	75	93	85	79	74	82	77	73	80	75	71	77	74	70	68						68														
4	89	78	71	65	87	77	70	65	75	69	64	73	67	63	71	66	62	61						61														
5	83	71	64	58	81	70	63	58	68	62	57	67	61	57	65	60	56	54						54														
6	77	65	58	52	75	64	57	52	63	56	51	61	55	51	60	55	51	49						49														
7	72	60	52	47	70	59	52	47	58	51	47	57	51	46	55	50	46	44						44														
8	68	56	48	43	66	55	48	43	54	47	42	53	47	42	51	46	42	40						40														
9	64	52	44	39	62	51	44	39	50	44	39	49	43	39	48	43	39	37						37														
10	60	48	41	36	59	48	41	36	47	40	36	46	40	36	45	40	36	34						34														

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	50117	50117	50117
5°	49409	49409	49582
10°	47287	47480	47847
15°	44075	44450	45020
20°	39881	40651	41439
25°	35630	36637	37644
30°	31520	32674	33728
35°	27752	28993	30212
40°	24236	25540	26596
45°	21482	22651	23406
50°	18970	19961	20229
55°	16664	17595	17115
60°	14363	15466	14742
65°	11410	13326	12062
70°	8258	10373	9064
75°	6321	6654	5656
80°	4166	4166	3174
85°	2174	2174	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 23406 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.8	6.1
10°-20°	69.7	15.9
20°-30°	88.5	20.3
30°-40°	86.1	19.7
40°-50°	71.6	16.4
50°-60°	51.6	11.8
60°-70°	30.4	7.0
70°-80°	10.8	2.5
80°-90°	1.6	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°	185.0	42.3
0°-40°	271.1	62.0
0°-60°	394.3	90.2
0°-90°	437.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	437.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	291	291	291	291	291	
5°	286	285	286	286	287	27
15°	247	247	249	251	252	69
25°	188	190	193	196	198	86
35°	132	134	138	142	144	83
45°	88	90	93	95	96	68
55°	56	57	59	58	57	50
65°	28	30	33	31	30	28
75°	10	10	10	9	8	10
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°	291.0	291.0	291.0	291.0	291.0
1°	291.0	290.5	290.5	290.5	291.0
2°	290.5	290.0	290.0	290.0	290.5
3°	289.5	288.9	288.9	288.9	290.0
4°	287.9	286.8	287.3	287.3	288.4
5°	285.8	285.2	285.8	285.8	286.8
6°	283.6	283.1	283.6	283.6	284.7
7°	281.0	280.5	281.0	281.5	282.6
8°	277.8	277.3	277.8	278.4	279.9
9°	274.7	274.1	275.2	275.7	276.8
10°	270.4	270.4	271.5	272.0	273.6
11°	266.2	266.2	267.3	268.3	269.9
12°	262.0	262.0	263.6	264.6	265.7
13°	257.8	257.2	258.8	259.9	261.5
14°	252.5	252.0	254.1	255.6	257.2
15°	247.2	247.2	249.3	250.9	252.5
17.5°	232.9	233.5	236.1	238.2	239.8
20°	217.6	219.2	221.8	224.5	226.1
22.5°	202.8	203.9	207.6	210.8	212.3
25°	187.5	189.6	192.8	196.5	198.1
27.5°	172.7	174.8	178.0	181.7	184.3
30°	158.5	160.0	164.3	168.0	169.6
32.5°	144.2	146.3	150.5	154.2	156.3
35°	132.0	133.6	137.9	141.6	143.7
37.5°	119.9	121.5	125.7	128.9	130.5
40°	107.8	110.4	113.6	116.7	118.3
42.5°	97.7	99.8	103.0	105.6	107.2
45°	88.2	89.8	93.0	95.1	96.1
47.5°	79.2	80.8	84.0	85.0	85.6
50°	70.8	72.4	74.5	75.0	75.5
52.5°	62.9	63.9	66.0	66.0	65.5
55°	55.5	57.0	58.6	58.1	57.0
57.5°	48.6	49.1	51.8	50.7	49.7
60°	41.7	42.8	44.9	43.8	42.8
62.5°	34.9	35.9	38.6	37.5	35.9
65°	28.0	30.1	32.7	31.2	29.6
67.5°	21.1	23.8	26.4	24.8	23.8
70°	16.4	18.5	20.6	19.0	18.0
72.5°	12.7	13.7	14.8	13.7	12.7
75°	9.5	10.0	10.0	9.0	8.5
77.5°	6.9	7.4	6.3	5.3	5.3
80°	4.2	4.8	4.2	3.2	3.2
82.5°	2.1	2.6	2.1	2.1	2.1
85°	1.1	1.1	1.1	1.1	1.1
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)