

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: P1327239

Luminaire Tested: LDSQA3D09R70W2N902750DE010 3LSQCLDWWR1MMS_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327239
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-46)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R70W2N902750DE010 3LSQCLDWWR1MMS_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 3500K CCT AND, 90CRI ,
3LSQCLDWWR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

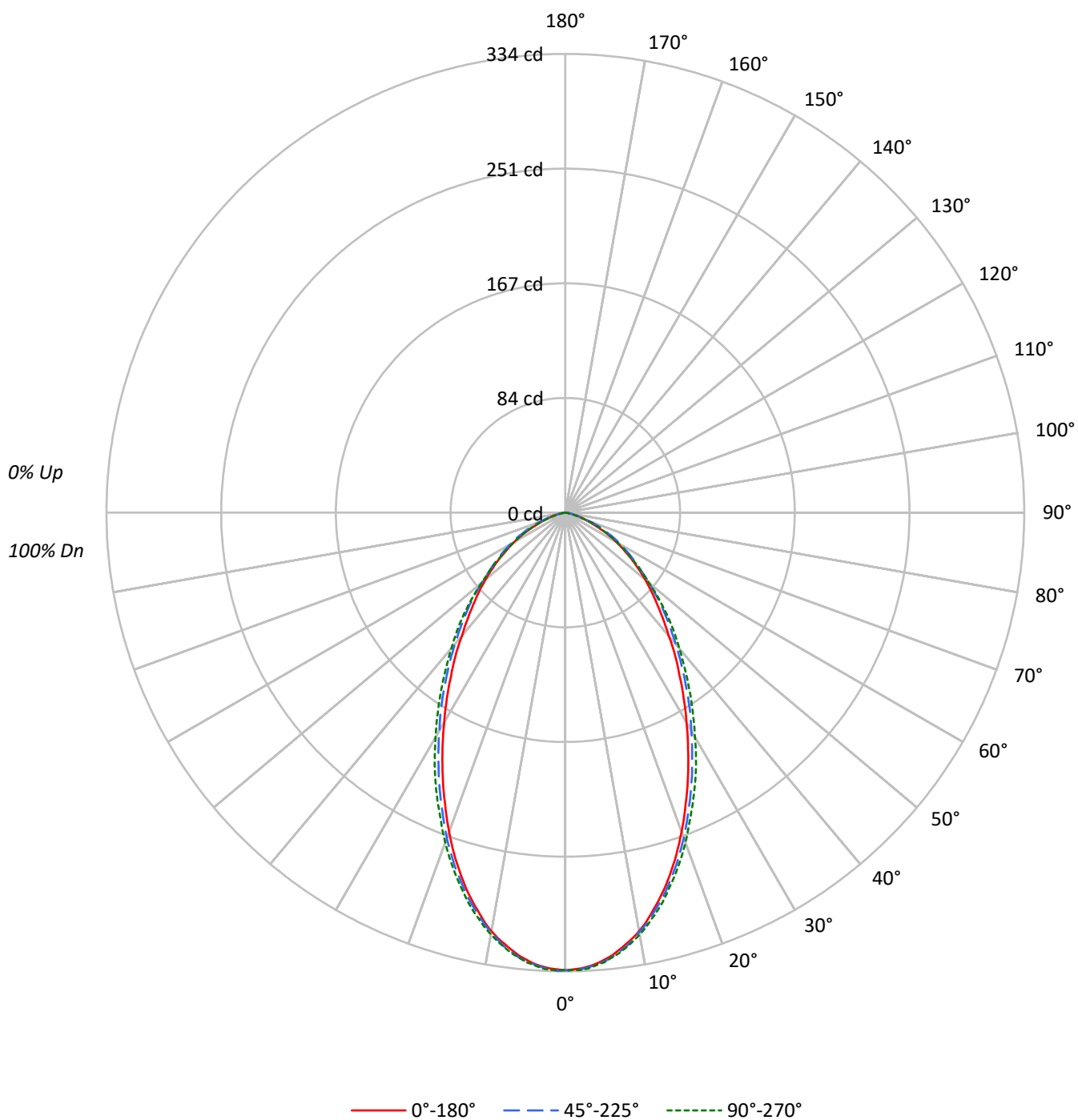
Lumens per Lamp: N/A
Luminaire Lumens: 477.0 lumens
Efficiency: N/A
Efficacy: 53.0 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.93 / 1
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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					20
RC	80				70					50					30					10
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	108	104	102	109	106	103	100	101	99	97	98	96	94	94	93	91	89		
2	103	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	80	79		
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69		
4	89	79	72	66	87	78	71	66	76	70	65	74	69	64	72	67	64	62		
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	55		
6	78	66	59	53	76	65	58	53	64	57	53	62	56	52	61	56	52	50		
7	73	61	53	48	71	60	53	48	59	52	48	58	52	47	56	51	47	45		
8	68	57	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43	41		
9	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	38		
10	61	49	42	37	60	49	42	37	48	41	37	47	41	37	46	41	37	35		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	57385	57385	57385
5°	56480	56688	56791
10°	54125	54230	54545
15°	50227	50654	51065
20°	45342	46204	46864
25°	40153	41274	42281
30°	35080	36492	37546
35°	30486	32104	33093
40°	26349	28080	29002
45°	23065	24648	25379
50°	20309	21247	21247
55°	17595	18466	17956
60°	14880	15913	15087
65°	11573	13285	12062
70°	8359	9819	8359
75°	6321	5922	4724
80°	4066	2975	1190
85°	1186	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 25379 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.7	6.4
10°-20°	79.3	16.6
20°-30°	99.5	20.9
30°-40°	95.1	19.9
40°-50°	77.3	16.2
50°-60°	54.1	11.3
60°-70°	30.6	6.4
70°-80°	9.7	2.0
80°-90°	0.8	0.2
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°	209.5	43.9
0°-40°	304.6	63.9
0°-60°	436.0	91.4
0°-90°	477.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	477.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	333	333	333	333	333	
5°	327	327	328	327	328	31
15°	282	282	284	285	286	79
25°	211	214	217	221	222	97
35°	145	147	153	156	157	91
45°	95	97	101	103	104	73
55°	59	59	62	60	60	52
65°	28	30	33	31	30	29
75°	10	10	9	8	7	10
85°	1	1	0	0	0	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	333.2	333.2	333.2	333.2	333.2
1°	332.6	333.2	333.8	332.6	333.2
2°	332.0	332.6	332.6	332.0	333.2
3°	330.8	331.4	331.4	330.8	332.0
4°	329.1	329.6	329.6	329.1	330.2
5°	326.7	327.3	327.9	327.3	328.5
6°	324.3	324.9	325.5	324.9	325.5
7°	320.8	322.0	322.0	322.0	323.1
8°	317.2	318.4	319.0	318.4	319.6
9°	313.7	314.3	314.8	314.8	316.0
10°	309.5	310.1	310.1	310.7	311.9
11°	304.8	304.8	306.0	306.0	307.7
12°	298.9	299.5	300.6	301.2	302.4
13°	293.5	294.1	295.3	295.9	297.7
14°	287.6	288.8	290.0	290.6	292.4
15°	281.7	282.3	284.1	284.7	286.4
17.5°	265.1	265.7	268.7	269.9	271.6
20°	247.4	249.2	252.1	253.9	255.7
22.5°	229.0	230.8	234.4	237.3	238.5
25°	211.3	213.6	217.2	220.7	222.5
27.5°	193.5	195.9	200.0	203.6	206.0
30°	176.4	178.7	183.5	186.4	188.8
32.5°	160.4	162.8	168.1	171.0	172.8
35°	145.0	147.4	152.7	155.6	157.4
37.5°	131.4	133.8	138.5	141.4	142.6
40°	117.2	120.1	124.9	127.8	129.0
42.5°	105.3	107.7	112.4	114.8	116.6
45°	94.7	97.1	101.2	103.0	104.2
47.5°	85.2	86.4	90.0	90.5	91.7
50°	75.8	76.9	79.3	79.9	79.3
52.5°	66.9	68.1	69.8	69.2	69.2
55°	58.6	59.2	61.5	60.4	59.8
57.5°	50.3	51.5	53.9	52.1	51.5
60°	43.2	44.4	46.2	45.0	43.8
62.5°	36.1	36.7	39.7	37.3	36.1
65°	28.4	30.2	32.6	30.8	29.6
67.5°	21.3	24.3	26.6	24.3	23.1
70°	16.6	17.8	19.5	18.3	16.6
72.5°	12.4	13.0	13.6	12.4	11.2
75°	9.5	9.5	8.9	7.7	7.1
77.5°	6.5	6.5	5.3	3.6	3.6
80°	4.1	4.1	3.0	1.2	1.2
82.5°	1.8	1.8	1.2	0.6	0.6
85°	0.6	0.6	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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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)