

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: P1327322

Luminaire Tested: LDSQA3D09R70W2N902765DE010 3LSQCLDWWR1MMS_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327322
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: LDSQA3D09R70W2N902765DE010 3LSQCLDWWR1MMS_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 2700K CCT AND, 90CRI ,
3LSQCLDWWR1MMS TRIM
Light Source: -
Ballast/Driver: -

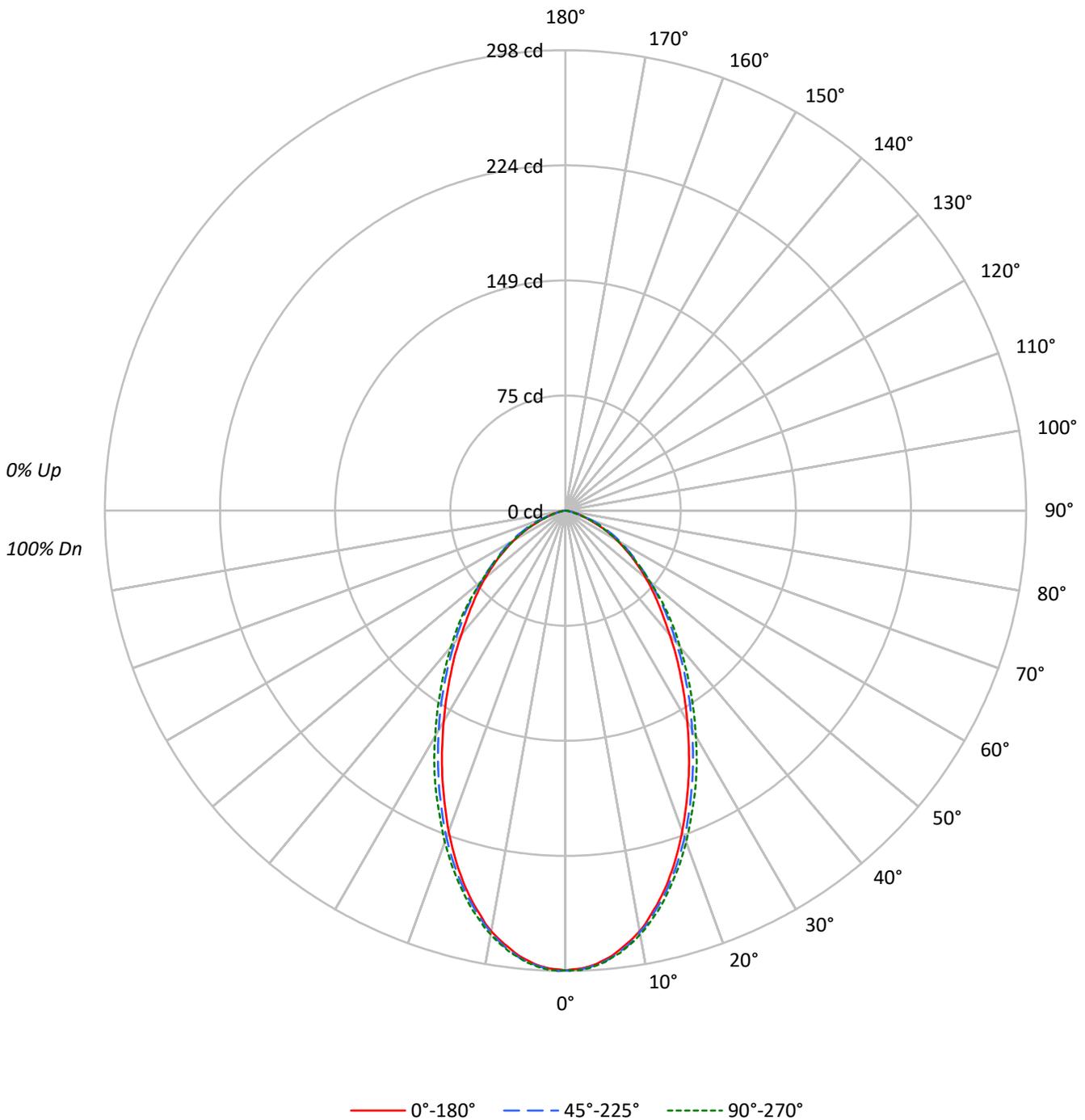
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 426.0 lumens
Efficiency: N/A
Efficacy: 47.3 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		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	108	104	102	109	106	103	100	101	99	97	98	96	94	94	93	91	89	89	89
2	103	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	80	79	79	79
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69	69	69
4	89	79	72	66	87	78	71	66	76	70	65	74	69	64	72	67	64	62	62	62
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	55	55	55
6	78	66	59	53	76	65	58	53	64	57	53	62	56	52	61	56	52	50	50	50
7	73	61	53	48	71	60	53	48	59	52	48	58	52	47	56	51	47	45	45	45
8	68	57	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43	41	41	41
9	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	38	38	38
10	61	49	42	37	60	49	42	37	48	41	37	47	41	37	46	41	37	35	35	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	51253	51253	51253
5°	50447	50619	50706
10°	48337	48442	48704
15°	44860	45234	45609
20°	40486	41274	41842
25°	35858	36865	37758
30°	31321	32574	33529
35°	27227	28677	29560
40°	23539	25068	25899
45°	20605	22018	22651
50°	18139	18970	18970
55°	15704	16514	16034
60°	13296	14191	13468
65°	10351	11859	10758
70°	7452	8762	7452
75°	5656	5257	4192
80°	3670	2579	1091
85°	988	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 22651 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.4	6.4
10°-20°	70.8	16.6
20°-30°	88.9	20.9
30°-40°	84.9	19.9
40°-50°	69.0	16.2
50°-60°	48.3	11.3
60°-70°	27.3	6.4
70°-80°	8.6	2.0
80°-90°	0.7	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°	187.1	43.9
0°-40°	272.0	63.9
0°-60°	389.4	91.4
0°-90°	426.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	426.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	298	298	298	298	298	
5°	292	292	293	292	293	27
15°	252	252	254	254	256	70
25°	189	191	194	197	199	87
35°	130	132	136	139	141	81
45°	85	87	90	92	93	66
55°	52	53	55	54	53	47
65°	25	27	29	28	26	25
75°	8	8	8	7	6	9
85°	0	0	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°	297.6	297.6	297.6	297.6	297.6
1°	297.0	297.6	298.1	297.0	297.6
2°	296.5	297.0	297.0	296.5	297.6
3°	295.5	296.0	296.0	295.5	296.5
4°	293.9	294.4	294.4	293.9	294.9
5°	291.8	292.3	292.8	292.3	293.3
6°	289.6	290.2	290.7	290.2	290.7
7°	286.5	287.5	287.5	287.5	288.6
8°	283.3	284.4	284.9	284.4	285.4
9°	280.1	280.7	281.2	281.2	282.2
10°	276.4	277.0	277.0	277.5	278.5
11°	272.2	272.2	273.3	273.3	274.8
12°	266.9	267.4	268.5	269.0	270.1
13°	262.2	262.7	263.7	264.3	265.9
14°	256.9	257.9	259.0	259.5	261.1
15°	251.6	252.1	253.7	254.2	255.8
17.5°	236.8	237.3	240.0	241.0	242.6
20°	220.9	222.5	225.2	226.7	228.3
22.5°	204.5	206.1	209.3	211.9	213.0
25°	188.7	190.8	194.0	197.1	198.7
27.5°	172.8	174.9	178.6	181.8	183.9
30°	157.5	159.6	163.8	166.5	168.6
32.5°	143.2	145.4	150.1	152.7	154.3
35°	129.5	131.6	136.4	139.0	140.6
37.5°	117.3	119.5	123.7	126.3	127.4
40°	104.7	107.3	111.5	114.2	115.2
42.5°	94.1	96.2	100.4	102.5	104.1
45°	84.6	86.7	90.4	92.0	93.0
47.5°	76.1	77.2	80.3	80.9	81.9
50°	67.7	68.7	70.8	71.4	70.8
52.5°	59.7	60.8	62.4	61.8	61.8
55°	52.3	52.9	55.0	53.9	53.4
57.5°	44.9	46.0	48.1	46.5	46.0
60°	38.6	39.6	41.2	40.2	39.1
62.5°	32.2	32.8	35.4	33.3	32.2
65°	25.4	27.0	29.1	27.5	26.4
67.5°	19.0	21.7	23.8	21.7	20.6
70°	14.8	15.9	17.4	16.4	14.8
72.5°	11.1	11.6	12.2	11.1	10.0
75°	8.5	8.5	7.9	6.9	6.3
77.5°	5.8	5.8	4.8	3.2	3.2
80°	3.7	3.7	2.6	1.1	1.1
82.5°	1.6	1.6	1.1	0.5	0.5
85°	0.5	0.5	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)