

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: P1327245

Luminaire Tested: LDSQA3D09R70W2N902750DE010 3LSQCLDWWR1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327245
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: LDSQA3D09R70W2N902750DE010 3LSQCLDWWR1MW_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 4000K CCT AND, 90CRI ,
3LSQCLDWWR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

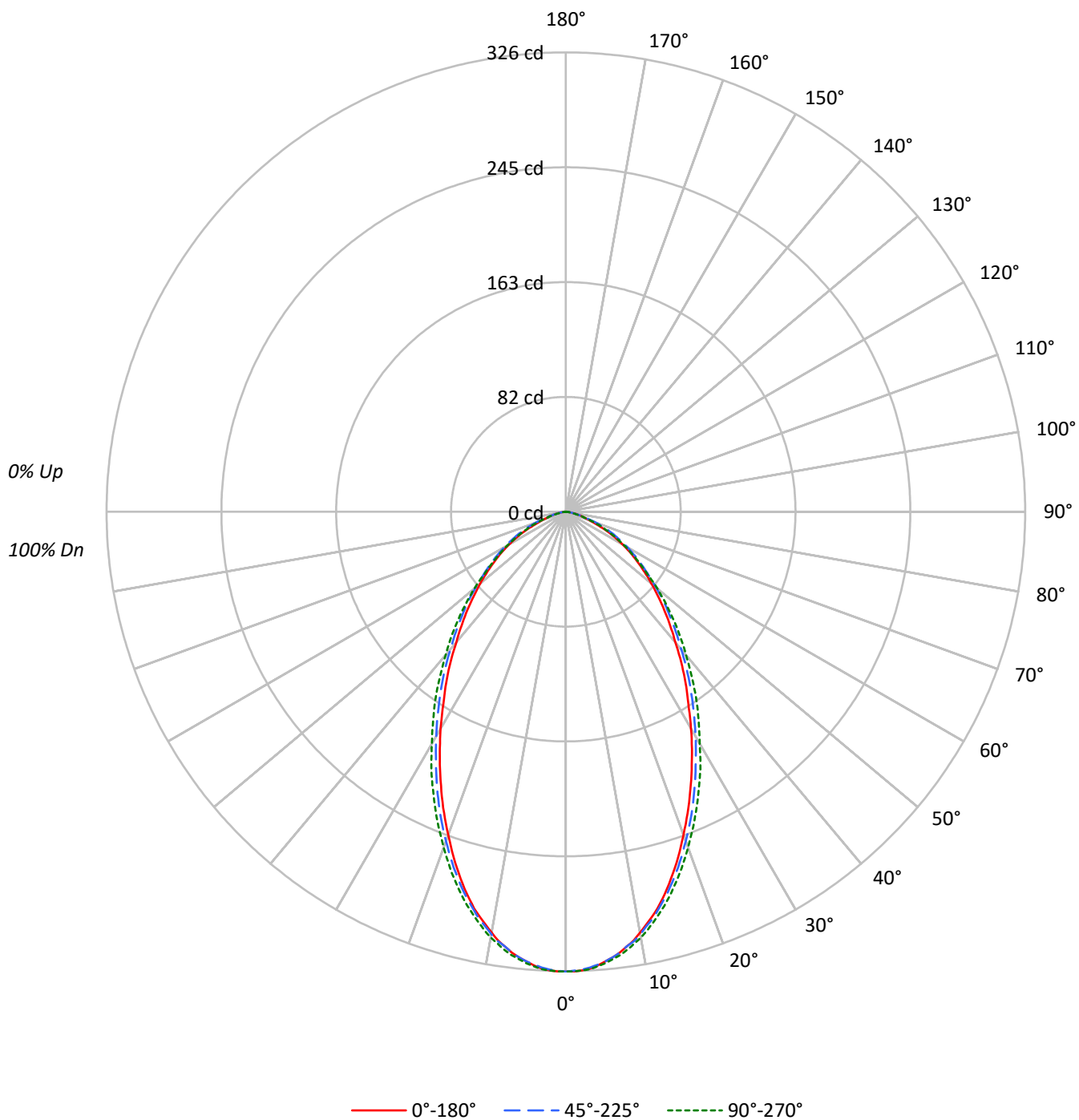
Lumens per Lamp: N/A
Luminaire Lumens: 490.0 lumens
Efficiency: N/A
Efficacy: 54.4 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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					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	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°	56196	56196	56196
5°	55391	55391	55598
10°	53023	53233	53653
15°	49424	49834	50476
20°	44719	45581	46460
25°	39963	41084	42205
30°	35338	36631	37804
35°	31137	32504	33870
40°	27158	28620	29834
45°	24088	25379	26256
50°	21274	22372	22694
55°	18676	19727	19217
60°	16120	17326	16533
65°	12796	14956	13529
70°	9265	11632	10121
75°	7120	7519	6321
80°	4661	4661	3570
85°	2371	2371	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 26256 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.1	6.1
10°-20°	78.1	15.9
20°-30°	99.2	20.3
30°-40°	96.5	19.7
40°-50°	80.3	16.4
50°-60°	57.9	11.8
60°-70°	34.1	7.0
70°-80°	12.1	2.5
80°-90°	1.8	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°	207.4	42.3
0°-40°	304.0	62.0
0°-60°	442.1	90.2
0°-90°	490.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	490.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	326	326	326	326	326	
5°	320	320	320	320	322	30
15°	277	277	280	281	283	77
25°	210	213	216	220	222	97
35°	148	150	155	159	161	93
45°	99	101	104	107	108	77
55°	62	64	66	65	64	56
65°	31	34	37	35	33	31
75°	11	11	11	10	10	12
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°	326.3	326.3	326.3	326.3	326.3
1°	326.3	325.7	325.7	325.7	326.3
2°	325.7	325.1	325.1	325.1	325.7
3°	324.6	324.0	324.0	324.0	325.1
4°	322.8	321.6	322.2	322.2	323.4
5°	320.4	319.8	320.4	320.4	321.6
6°	318.0	317.5	318.0	318.0	319.2
7°	315.1	314.5	315.1	315.7	316.9
8°	311.5	310.9	311.5	312.1	313.9
9°	308.0	307.4	308.6	309.2	310.3
10°	303.2	303.2	304.4	305.0	306.8
11°	298.5	298.5	299.7	300.9	302.6
12°	293.8	293.8	295.5	296.7	297.9
13°	289.0	288.4	290.2	291.4	293.2
14°	283.1	282.5	284.9	286.7	288.4
15°	277.2	277.2	279.5	281.3	283.1
17.5°	261.2	261.8	264.7	267.1	268.9
20°	244.0	245.8	248.7	251.7	253.5
22.5°	227.4	228.6	232.8	236.3	238.1
25°	210.3	212.6	216.2	220.3	222.1
27.5°	193.7	196.0	199.6	203.7	206.7
30°	177.7	179.5	184.2	188.3	190.1
32.5°	161.7	164.1	168.8	172.9	175.3
35°	148.1	149.8	154.6	158.7	161.1
37.5°	134.4	136.2	141.0	144.5	146.3
40°	120.8	123.8	127.3	130.9	132.7
42.5°	109.6	111.9	115.5	118.5	120.2
45°	98.9	100.7	104.2	106.6	107.8
47.5°	88.8	90.6	94.2	95.4	95.9
50°	79.4	81.1	83.5	84.1	84.7
52.5°	70.5	71.7	74.0	74.0	73.4
55°	62.2	64.0	65.7	65.1	64.0
57.5°	54.5	55.1	58.0	56.9	55.7
60°	46.8	48.0	50.3	49.2	48.0
62.5°	39.1	40.3	43.2	42.1	40.3
65°	31.4	33.8	36.7	34.9	33.2
67.5°	23.7	26.7	29.6	27.8	26.7
70°	18.4	20.7	23.1	21.3	20.1
72.5°	14.2	15.4	16.6	15.4	14.2
75°	10.7	11.3	11.3	10.1	9.5
77.5°	7.7	8.3	7.1	5.9	5.9
80°	4.7	5.3	4.7	3.6	3.6
82.5°	2.4	3.0	2.4	2.4	2.4
85°	1.2	1.2	1.2	1.2	1.2
87.5°	0.6	0.6	0.6	0.6	0.6



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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)