

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: P1327329

Luminaire Tested: LDSQA3D09R70W2N902765DE010 3LSQCLDWWR1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327329
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 3LSQCLDWWR1MW_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,
3LSQCLDWWR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

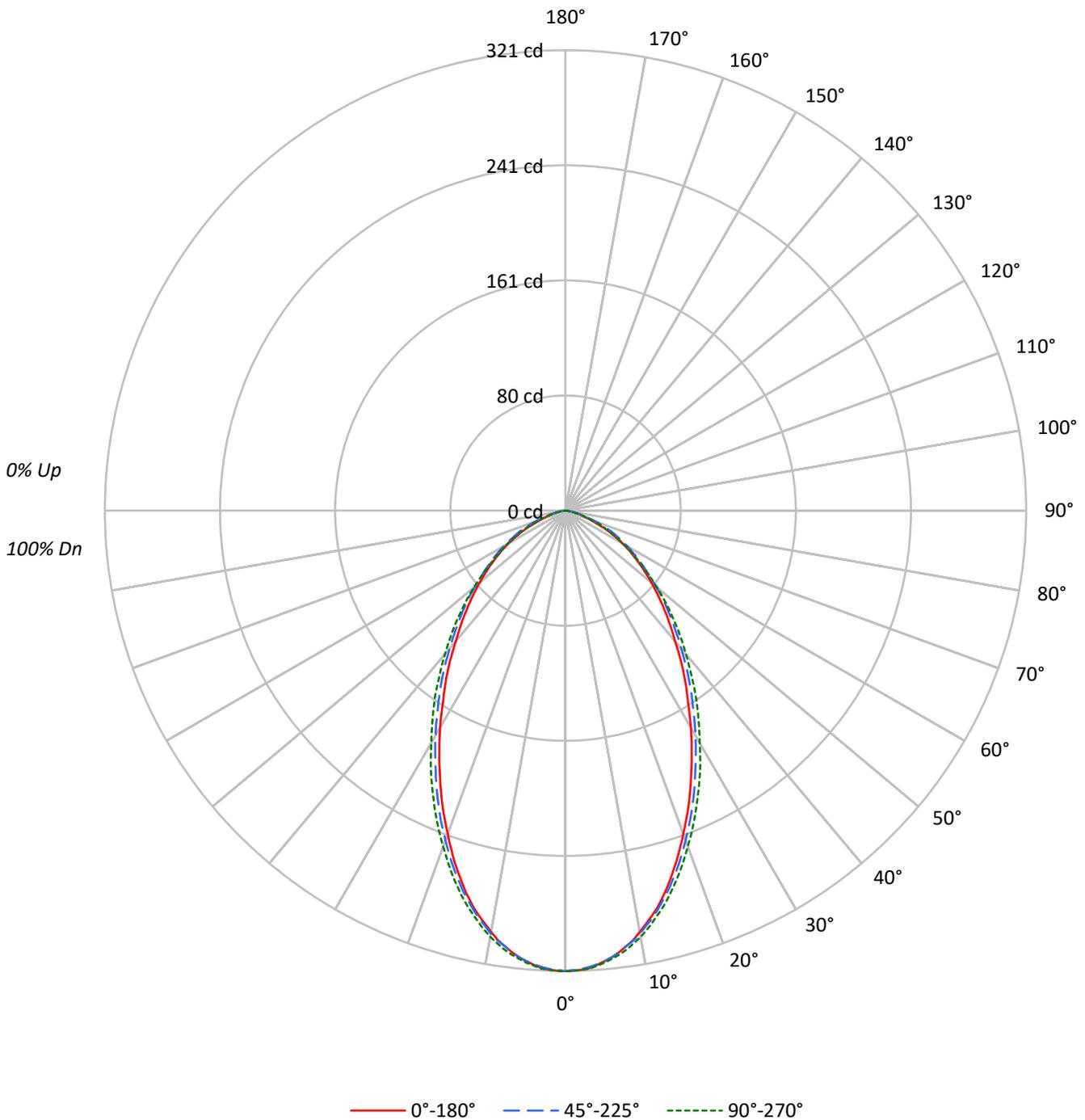
Lumens per Lamp: N/A
Luminaire Lumens: 482.0 lumens
Efficiency: N/A
Efficacy: 53.6 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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				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	0
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°	55283	55283	55283
5°	54492	54492	54682
10°	52167	52376	52779
15°	48622	49032	49656
20°	43986	44848	45691
25°	39298	40400	41521
30°	34762	36034	37188
35°	30612	31978	33324
40°	26709	28170	29339
45°	23698	24965	25817
50°	20925	21997	22319
55°	18376	19427	18886
60°	15844	17050	16258
65°	12592	14711	13285
70°	9114	11430	9970
75°	6987	7386	6188
80°	4661	4661	3471
85°	2371	2371	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 25817 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.6	6.1
10°-20°	76.8	15.9
20°-30°	97.6	20.3
30°-40°	95.0	19.7
40°-50°	78.9	16.4
50°-60°	56.9	11.8
60°-70°	33.5	7.0
70°-80°	11.9	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°	204.0	42.3
0°-40°	299.0	62.0
0°-60°	434.9	90.2
0°-90°	482.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	482.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	321	321	321	321	321	
5°	315	315	315	315	316	30
15°	273	273	275	277	278	76
25°	207	209	213	217	218	95
35°	146	147	152	156	158	91
45°	97	99	102	105	106	75
55°	61	63	65	64	63	55
65°	31	33	36	34	33	31
75°	10	11	11	10	9	11
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°	321.0	321.0	321.0	321.0	321.0
1°	321.0	320.4	320.4	320.4	321.0
2°	320.4	319.8	319.8	319.8	320.4
3°	319.3	318.7	318.7	318.7	319.8
4°	317.5	316.3	316.9	316.9	318.1
5°	315.2	314.6	315.2	315.2	316.3
6°	312.9	312.3	312.9	312.9	314.0
7°	309.9	309.4	309.9	310.5	311.7
8°	306.4	305.9	306.4	307.0	308.8
9°	302.9	302.4	303.5	304.1	305.3
10°	298.3	298.3	299.5	300.0	301.8
11°	293.6	293.6	294.8	296.0	297.7
12°	289.0	289.0	290.7	291.9	293.0
13°	284.3	283.7	285.5	286.6	288.4
14°	278.5	277.9	280.2	282.0	283.7
15°	272.7	272.7	275.0	276.7	278.5
17.5°	256.9	257.5	260.4	262.7	264.5
20°	240.0	241.8	244.7	247.6	249.3
22.5°	223.7	224.9	229.0	232.5	234.2
25°	206.8	209.1	212.6	216.7	218.5
27.5°	190.5	192.8	196.3	200.4	203.3
30°	174.8	176.5	181.2	185.3	187.0
32.5°	159.0	161.4	166.0	170.1	172.4
35°	145.6	147.4	152.1	156.1	158.5
37.5°	132.2	134.0	138.7	142.2	143.9
40°	118.8	121.8	125.3	128.8	130.5
42.5°	107.8	110.1	113.6	116.5	118.3
45°	97.3	99.0	102.5	104.9	106.0
47.5°	87.4	89.1	92.6	93.8	94.4
50°	78.1	79.8	82.1	82.7	83.3
52.5°	69.3	70.5	72.8	72.8	72.2
55°	61.2	62.9	64.7	64.1	62.9
57.5°	53.6	54.2	57.1	55.9	54.8
60°	46.0	47.2	49.5	48.4	47.2
62.5°	38.5	39.6	42.5	41.4	39.6
65°	30.9	33.2	36.1	34.4	32.6
67.5°	23.3	26.2	29.1	27.4	26.2
70°	18.1	20.4	22.7	21.0	19.8
72.5°	14.0	15.1	16.3	15.1	14.0
75°	10.5	11.1	11.1	9.9	9.3
77.5°	7.6	8.2	7.0	5.8	5.8
80°	4.7	5.2	4.7	3.5	3.5
82.5°	2.3	2.9	2.3	2.3	2.3
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)