

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: P1325619

Luminaire Tested: LDSQA3D05R70W2N902750DE010 3LSQCDR1MMS_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325619
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R70W2N902750DE010 3LSQCDR1MMS_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 4000K CCT AND, 90CRI ,
3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

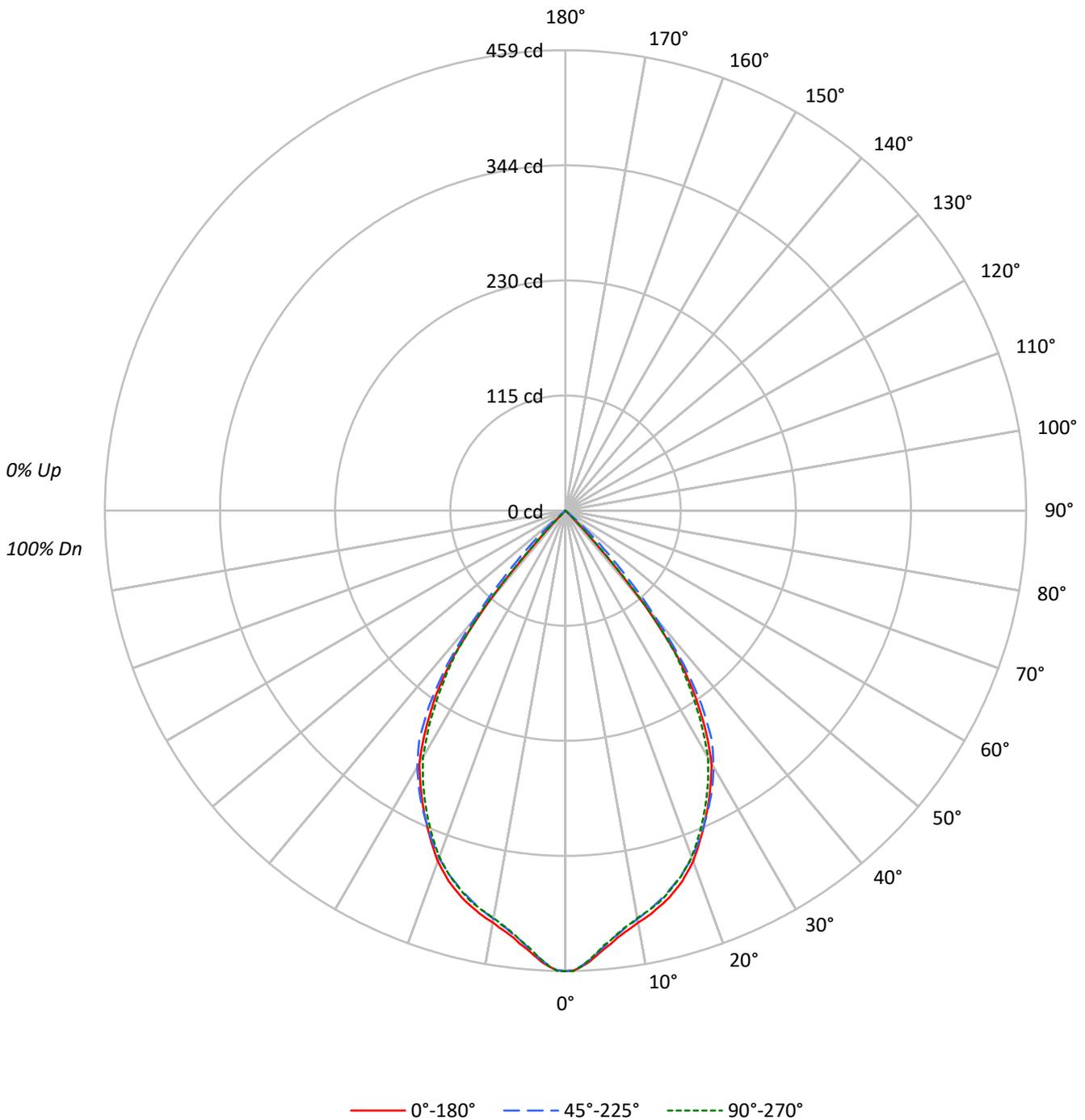
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 475.0 lumens
Efficiency: N/A
Efficacy: 80.5 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 5.9
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				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	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93				93
2	108	103	98	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86				86
3	102	95	90	86	100	94	89	85	91	87	84	89	86	83	87	84	81	80				80
4	96	89	83	79	95	88	82	78	85	81	77	83	79	76	81	78	75	74				74
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	68				68
6	86	77	71	67	85	76	71	66	75	70	66	73	69	65	72	68	65	63				63
7	82	72	66	62	80	71	66	61	70	65	61	69	64	61	68	64	60	59				59
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55				55
9	74	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	51				51
10	70	60	54	50	69	59	53	50	58	53	49	58	53	49	57	52	49	48				48

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	79067	79067	79067
5°	75895	75480	75272
10°	72925	72278	72138
15°	71194	70196	70339
20°	68178	67500	67354
25°	63279	63431	62443
30°	57910	58705	56478
35°	47368	49660	45518
40°	27271	31790	27990
45°	390	13201	1364
50°	0	1393	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 13201 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.0	8.6
10°-20°	111.0	23.4
20°-30°	152.5	32.1
30°-40°	138.3	29.1
40°-50°	32.1	6.8
50°-60°	0.2	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	304.4	64.1
0°-40°	442.7	93.2
0°-60°	475.0	100.0
0°-90°	475.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	475.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	459	459	459	459	459	
5°	439	438	437	436	435	41
15°	399	396	394	394	394	112
25°	333	335	334	331	329	153
35°	225	229	236	226	216	135
45°	2	18	54	23	6	19
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	459.1	459.1	459.1	459.1	459.1
1°	458.7	457.9	458.3	458.7	459.1
2°	455.1	454.3	454.3	454.7	454.7
3°	450.7	449.1	449.1	448.7	448.7
4°	444.7	443.5	442.7	442.3	442.3
5°	439.0	437.8	436.6	435.8	435.4
6°	434.2	432.2	430.6	430.2	430.6
7°	428.6	427.4	425.8	424.6	425.0
8°	424.6	423.0	421.0	420.2	420.2
9°	421.0	419.4	417.4	415.7	416.5
10°	417.0	415.3	413.3	412.1	412.5
11°	414.1	412.1	409.7	408.9	409.3
12°	410.9	408.5	406.1	405.7	406.5
13°	406.9	404.5	402.1	402.1	402.9
14°	403.3	400.5	398.1	398.1	399.3
15°	399.3	396.5	393.7	393.7	394.5
17.5°	387.2	384.8	382.0	382.0	382.4
20°	372.0	370.8	368.3	367.1	367.5
22.5°	352.7	352.7	351.5	349.5	348.7
25°	333.0	334.6	333.8	330.6	328.6
27.5°	312.5	315.3	315.7	310.9	307.3
30°	291.2	293.6	295.2	289.6	284.0
32.5°	259.9	267.1	271.1	263.5	251.9
35°	225.3	228.6	236.2	226.1	216.5
37.5°	183.2	187.2	193.6	185.6	180.0
40°	121.3	137.4	141.4	137.4	124.5
42.5°	43.8	77.1	92.8	78.7	51.4
45°	1.6	18.1	54.2	23.3	5.6
47.5°	0.0	0.4	24.5	0.8	0.0
50°	0.0	0.0	5.2	0.0	0.0
52.5°	0.0	0.0	0.4	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	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)