

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: P1325621

Luminaire Tested: LDSQA3D05R70W2N902750DE010 3LSQCDR1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325621
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-43)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R70W2N902750DE010 3LSQCDR1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 2700K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

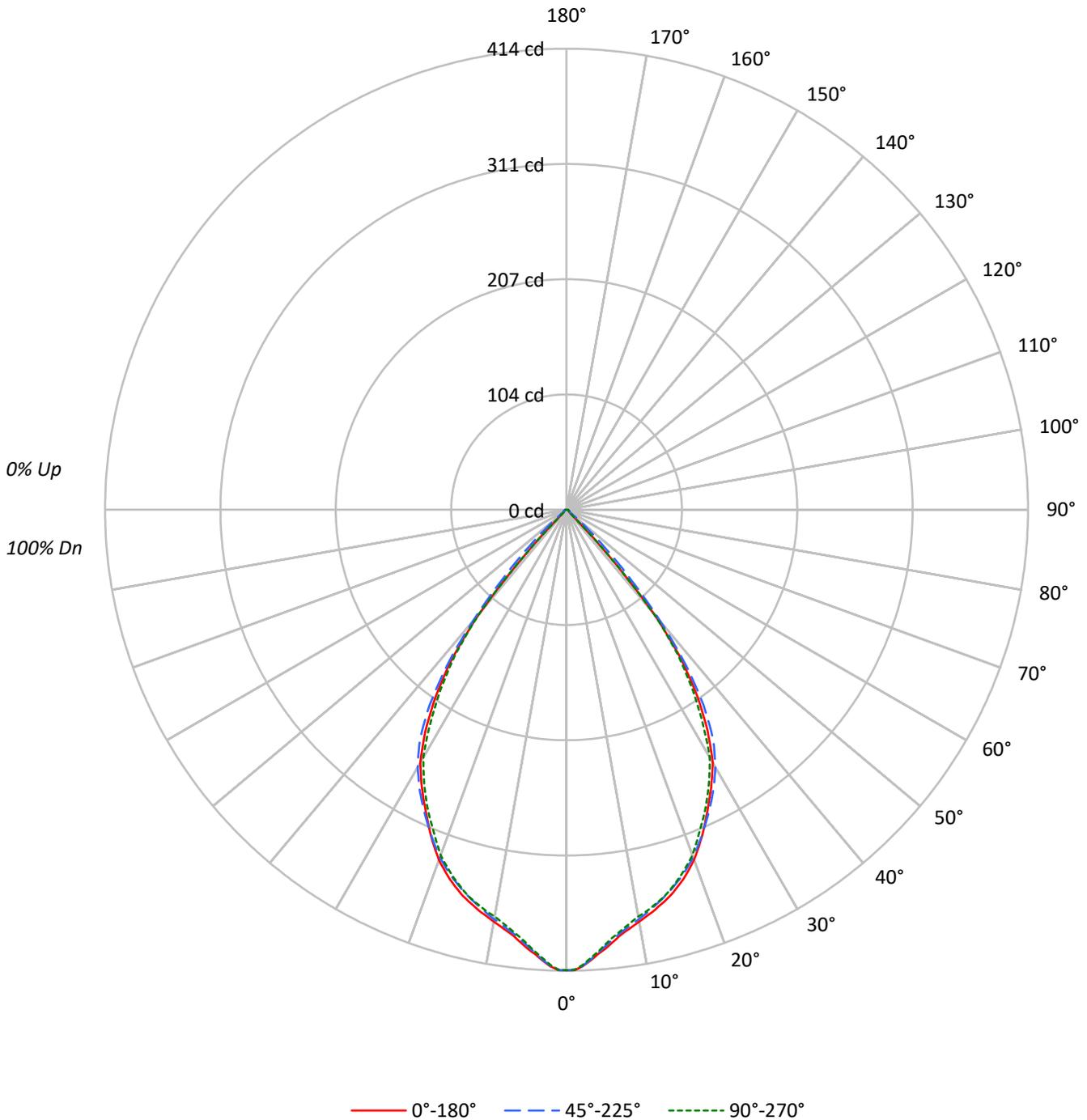
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 441.0 lumens
Efficiency: N/A
Efficacy: 74.8 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 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			
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		
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93		
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	86		
3	101	95	89	85	99	93	88	84	90	86	83	88	85	82	86	83	80	79		
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	81	77	74	73		
5	91	82	75	71	89	81	75	71	79	74	70	77	73	69	76	72	69	67		
6	86	76	70	65	84	75	69	65	74	69	65	72	68	64	71	67	64	62		
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	58		
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	54		
9	73	62	56	52	72	62	56	52	61	56	52	60	55	52	59	55	51	50		
10	69	59	53	48	68	58	52	48	57	52	48	57	52	48	56	51	48	47		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	71231	71231	71231
5°	68461	68098	67838
10°	65685	65317	64863
15°	64027	63331	63260
20°	61342	60884	60499
25°	56799	57217	56115
30°	52182	53097	51108
35°	43016	45056	41376
40°	27406	29496	27406
45°	1924	12738	2095
50°	857	2599	857
55°	961	961	961
60°	999	999	999
65°	897	1019	897
70°	906	1108	906
75°	932	932	932
80°	1091	1091	1091
85°	790	1383	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 12738 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.9	8.4
10°-20°	99.9	22.7
20°-30°	137.3	31.1
30°-40°	125.8	28.5
40°-50°	33.4	7.6
50°-60°	3.0	0.7
60°-70°	2.5	0.6
70°-80°	1.6	0.4
80°-90°	0.6	0.1
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°	274.2	62.2
0°-40°	400.0	90.7
0°-60°	436.3	98.9
0°-90°	441.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	441.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	414	414	414	414	414	
5°	396	394	394	393	392	37
15°	359	356	355	355	355	101
25°	299	300	301	298	295	137
35°	205	208	214	205	197	124
45°	8	27	52	27	9	24
55°	3	3	3	3	3	3
65°	2	2	2	2	2	2
75°	1	1	1	1	1	2
85°	0	1	1	1	0	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	413.6	413.6	413.6	413.6	413.6
1°	413.6	412.9	413.6	413.6	412.9
2°	410.4	409.7	410.0	409.7	409.3
3°	405.7	404.6	405.0	404.3	403.6
4°	400.3	399.3	399.3	398.9	398.2
5°	396.0	394.2	393.9	393.2	392.4
6°	391.0	389.2	388.9	387.8	387.1
7°	386.0	384.6	384.2	382.8	382.8
8°	382.1	380.3	380.3	378.5	378.5
9°	378.8	376.7	376.7	375.2	374.5
10°	375.6	373.5	373.5	371.7	370.9
11°	372.4	370.6	369.9	368.8	368.4
12°	369.5	367.0	366.3	365.9	365.2
13°	365.9	363.4	362.7	362.3	362.0
14°	362.7	359.5	359.1	358.4	358.8
15°	359.1	355.9	355.2	355.2	354.8
17.5°	348.0	345.9	344.8	344.1	343.3
20°	334.7	333.0	332.2	330.8	330.1
22.5°	317.5	317.2	316.8	315.0	312.2
25°	298.9	300.0	301.1	297.5	295.3
27.5°	281.0	283.9	284.9	281.3	276.7
30°	262.4	264.9	267.0	262.0	257.0
32.5°	235.5	241.6	244.8	239.1	227.6
35°	204.6	207.9	214.3	204.6	196.8
37.5°	168.8	170.6	175.6	169.2	163.8
40°	121.9	127.2	131.2	127.2	121.9
42.5°	54.8	76.7	86.7	81.0	57.3
45°	7.9	26.9	52.3	27.2	8.6
47.5°	3.2	4.3	27.2	3.9	3.2
50°	3.2	3.2	9.7	3.2	3.2
52.5°	3.2	3.2	3.6	3.2	3.2
55°	3.2	3.2	3.2	3.2	3.2
57.5°	2.9	2.9	3.2	2.9	2.9
60°	2.9	2.9	2.9	2.9	2.9
62.5°	2.5	2.9	2.9	2.9	2.5
65°	2.2	2.5	2.5	2.5	2.2
67.5°	2.2	2.2	2.2	2.2	2.2
70°	1.8	2.2	2.2	2.2	1.8
72.5°	1.8	1.8	1.8	1.8	1.8
75°	1.4	1.4	1.4	1.4	1.4
77.5°	1.1	1.4	1.4	1.4	1.1
80°	1.1	1.1	1.1	1.1	1.1
82.5°	0.7	0.7	0.7	0.7	0.7
85°	0.4	0.7	0.7	0.7	0.4
87.5°	0.4	0.4	0.4	0.4	0.4



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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)