

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: P1325622

Luminaire Tested: LDSQA3D05R70W2N902750DE010 3LSQCDR1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325622
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_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

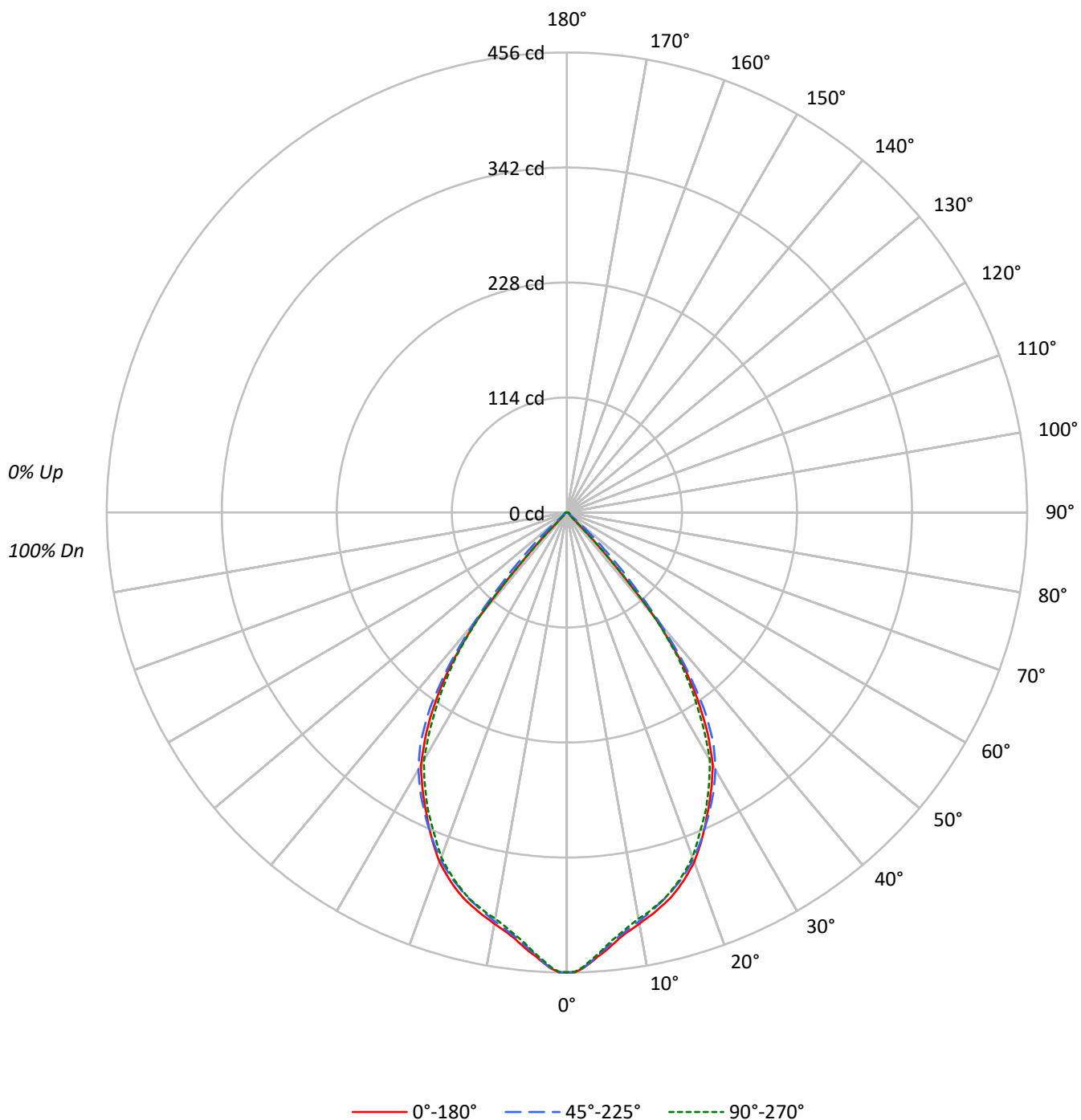
Lumens per Lamp: N/A
Luminaire Lumens: 486.1 lumens
Efficiency: N/A
Efficacy: 82.4 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
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	71	62	56	52	61	56	52	60	55	51	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°	78499	78499	78499
5°	75445	75047	74771
10°	72383	71980	71491
15°	70570	69786	69715
20°	67610	67097	66676
25°	62595	63051	61854
30°	57492	58526	56319
35°	47410	49660	45581
40°	30193	32509	30193
45°	2119	14053	2314
50°	965	2867	965
55°	1081	1081	1081
60°	1102	1102	1102
65°	978	1141	978
70°	1007	1209	1007
75°	1065	1065	1065
80°	1190	1190	1190
85°	790	1581	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 14053 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.7	8.4
10°-20°	110.1	22.7
20°-30°	151.4	31.1
30°-40°	138.6	28.5
40°-50°	36.8	7.6
50°-60°	3.3	0.7
60°-70°	2.7	0.6
70°-80°	1.8	0.4
80°-90°	0.7	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°	302.2	62.2
0°-40°	440.8	90.7
0°-60°	480.9	98.9
0°-90°	486.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	486.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	456	456	456	456	456	
5°	436	434	434	433	432	41
15°	396	392	391	391	391	111
25°	329	331	332	328	326	151
35°	226	229	236	226	217	137
45°	9	30	58	30	10	26
55°	4	4	4	4	4	3
65°	2	3	3	3	2	3
75°	2	2	2	2	2	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°	455.8	455.8	455.8	455.8	455.8
1°	455.8	455.0	455.8	455.8	455.0
2°	452.2	451.5	451.8	451.5	451.1
3°	447.1	445.9	446.3	445.5	444.7
4°	441.2	440.0	440.0	439.6	438.8
5°	436.4	434.5	434.1	433.3	432.5
6°	430.9	428.9	428.5	427.4	426.6
7°	425.4	423.8	423.4	421.8	421.8
8°	421.0	419.1	419.1	417.1	417.1
9°	417.5	415.1	415.1	413.5	412.7
10°	413.9	411.6	411.6	409.6	408.8
11°	410.4	408.4	407.6	406.4	406.0
12°	407.2	404.5	403.7	403.3	402.5
13°	403.3	400.5	399.7	399.3	398.9
14°	399.7	396.2	395.8	395.0	395.4
15°	395.8	392.2	391.4	391.4	391.0
17.5°	383.5	381.1	380.0	379.2	378.4
20°	368.9	366.9	366.1	364.6	363.8
22.5°	349.9	349.6	349.2	347.2	344.0
25°	329.4	330.6	331.8	327.8	325.5
27.5°	309.7	312.8	314.0	310.1	304.9
30°	289.1	291.9	294.3	288.7	283.2
32.5°	259.5	266.2	269.8	263.4	250.8
35°	225.5	229.1	236.2	225.5	216.8
37.5°	186.0	188.0	193.5	186.4	180.5
40°	134.3	140.2	144.6	140.2	134.3
42.5°	60.4	84.5	95.6	89.3	63.2
45°	8.7	29.6	57.7	30.0	9.5
47.5°	3.6	4.7	30.0	4.3	3.6
50°	3.6	3.6	10.7	3.6	3.6
52.5°	3.6	3.6	3.9	3.6	3.6
55°	3.6	3.6	3.6	3.6	3.6
57.5°	3.2	3.2	3.6	3.2	3.2
60°	3.2	3.2	3.2	3.2	3.2
62.5°	2.8	3.2	3.2	3.2	2.8
65°	2.4	2.8	2.8	2.8	2.4
67.5°	2.4	2.4	2.4	2.4	2.4
70°	2.0	2.4	2.4	2.4	2.0
72.5°	2.0	2.0	2.0	2.0	2.0
75°	1.6	1.6	1.6	1.6	1.6
77.5°	1.2	1.6	1.6	1.6	1.2
80°	1.2	1.2	1.2	1.2	1.2
82.5°	0.8	0.8	0.8	0.8	0.8
85°	0.4	0.8	0.8	0.8	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)