

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: P1325708

Luminaire Tested: LDSQA3D05R70W2N902765DE010 3LSQCDR1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325708
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: LDSQA3D05R70W2N902765DE010 3LSQCDR1MW_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 5000K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

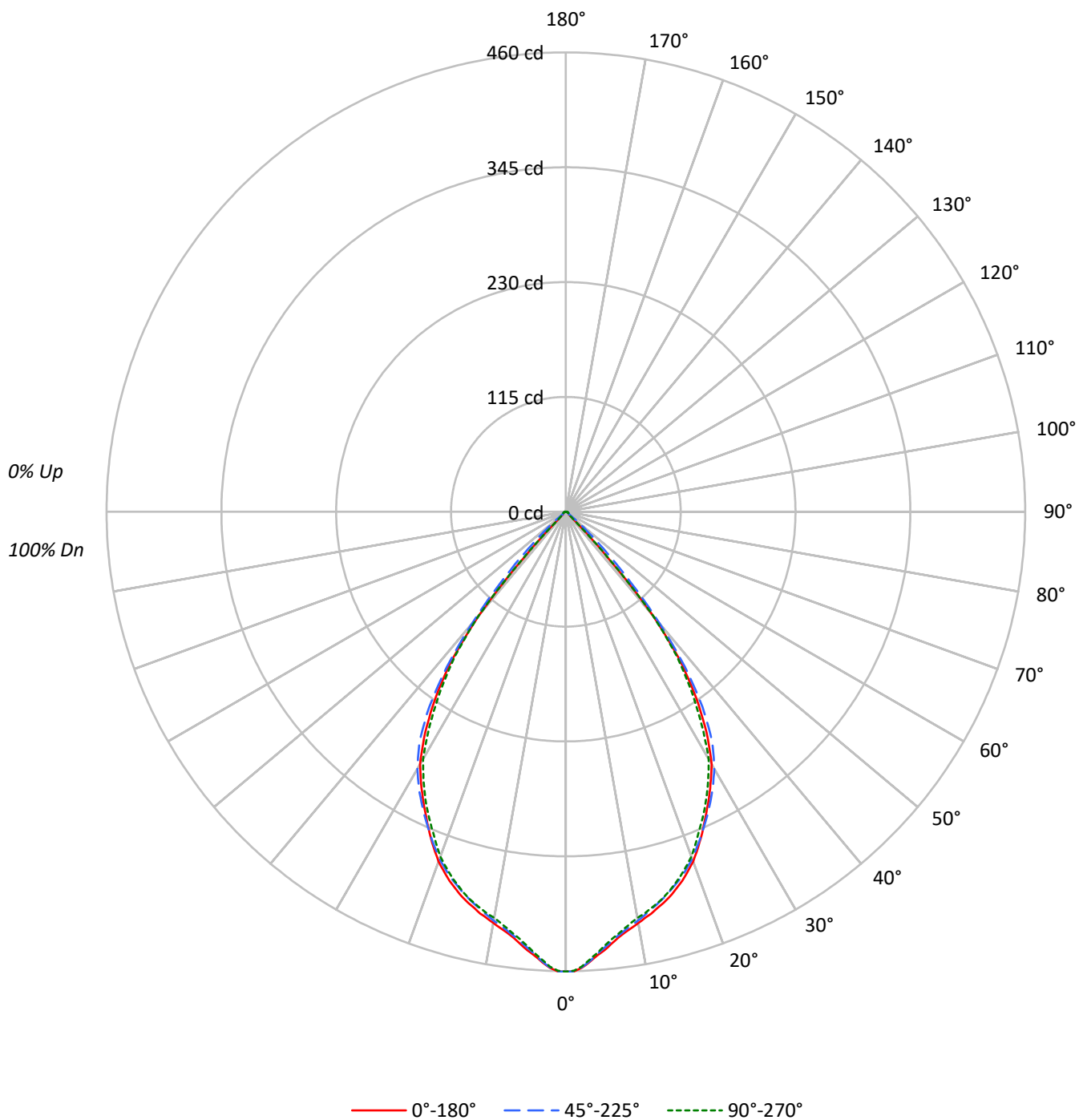
Lumens per Lamp: N/A
Luminaire Lumens: 491.0 lumens
Efficiency: N/A
Efficacy: 83.2 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91
3	101	95	89	85	99	93	88	84	90	86	83		88	85	82		86
4	96	88	82	77	94	87	81	77	84	80	76		82	78	75		81
5	91	82	75	71	89	81	75	71	79	74	70		77	73	69		76
6	86	76	70	65	84	75	69	65	74	69	65		72	68	64		71
7	81	71	65	60	80	70	64	60	69	64	60		68	63	59		67
8	77	67	60	56	75	66	60	56	65	59	56		64	59	55		63
9	73	62	56	52	72	62	56	52	61	56	52		60	55	52		59
10	69	59	53	48	68	58	52	48	57	52	48		57	52	48		56

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	79309	79309	79309
5°	76223	75808	75531
10°	73135	72715	72225
15°	71284	70499	70428
20°	68307	67794	67354
25°	63241	63697	62481
30°	58089	59123	56895
35°	47915	50164	46065
40°	30508	32824	30508
45°	2143	14200	2338
50°	965	2894	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: 14200 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.1	8.4
10°-20°	111.2	22.7
20°-30°	152.9	31.1
30°-40°	140.1	28.5
40°-50°	37.2	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°	305.3	62.2
0°-40°	445.3	90.7
0°-60°	485.8	98.9
0°-90°	491.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	491.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	460	460	460	460	460	
5°	441	439	438	438	437	41
15°	400	396	395	395	395	112
25°	333	334	335	331	329	153
35°	228	231	239	228	219	138
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°	460.5	460.5	460.5	460.5	460.5
1°	460.5	459.7	460.5	460.5	459.7
2°	456.9	456.1	456.5	456.1	455.7
3°	451.7	450.5	450.9	450.1	449.3
4°	445.7	444.5	444.5	444.1	443.3
5°	440.9	438.9	438.5	437.7	436.9
6°	435.3	433.4	433.0	431.8	431.0
7°	429.8	428.2	427.8	426.2	426.2
8°	425.4	423.4	423.4	421.4	421.4
9°	421.8	419.4	419.4	417.8	417.0
10°	418.2	415.8	415.8	413.8	413.0
11°	414.6	412.6	411.8	410.6	410.2
12°	411.4	408.6	407.8	407.4	406.6
13°	407.4	404.6	403.8	403.4	403.0
14°	403.8	400.2	399.8	399.0	399.4
15°	399.8	396.2	395.4	395.4	395.0
17.5°	387.5	385.1	383.9	383.1	382.3
20°	372.7	370.7	369.9	368.3	367.5
22.5°	353.5	353.1	352.7	350.8	347.6
25°	332.8	334.0	335.2	331.2	328.8
27.5°	312.8	316.0	317.2	313.2	308.1
30°	292.1	294.9	297.3	291.7	286.1
32.5°	262.2	269.0	272.5	266.2	253.4
35°	227.9	231.4	238.6	227.9	219.1
37.5°	187.9	189.9	195.5	188.3	182.4
40°	135.7	141.7	146.0	141.7	135.7
42.5°	61.1	85.4	96.6	90.2	63.8
45°	8.8	29.9	58.3	30.3	9.6
47.5°	3.6	4.8	30.3	4.4	3.6
50°	3.6	3.6	10.8	3.6	3.6
52.5°	3.6	3.6	4.0	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)