

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: P1325373

Luminaire Tested: LDSQA3D05R55W2N902750DE010 3LSQCDR1MB_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325373
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R55W2N902750DE010 3LSQCDR1MB_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 5000K CCT AND, 90CRI ,
3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

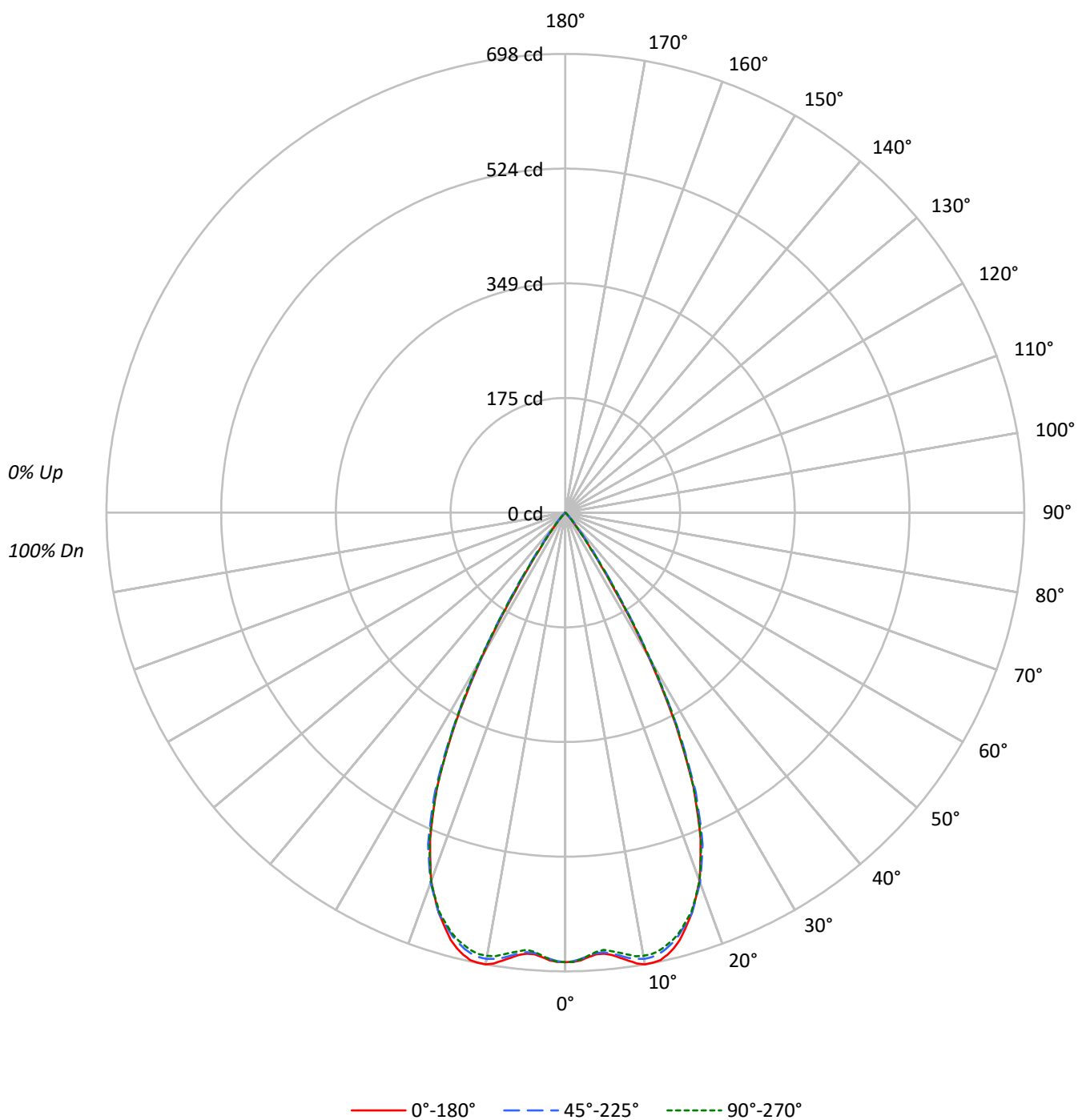
Lumens per Lamp: N/A
Luminaire Lumens: 520.0 lumens
Efficiency: N/A
Efficacy: 88.1 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	102	102	100
1	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	89
3	104	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	80
5	96	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	77	77	77	75
6	91	83	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	73	73	71
7	87	79	74	70	86	79	73	70	77	73	69	76	72	69	75	72	69	69	69	67
8	84	75	70	66	83	75	70	66	74	69	66	73	69	65	72	68	65	65	65	64
9	80	72	66	63	79	71	66	63	70	66	62	69	65	62	69	65	62	62	62	61
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	66	62	59	59	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	117800	117800	117800
5°	116452	116107	115484
10°	122066	120597	119757
15°	120030	118746	118319
20°	109324	109764	109397
25°	87716	89084	87716
30°	50333	51606	52003
35°	14360	17303	14780
40°	3687	5306	3777
45°	390	1851	292
50°	0	322	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: 1851 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.9	12.5
10°-20°	185.3	35.6
20°-30°	204.1	39.2
30°-40°	60.9	11.7
40°-50°	4.7	0.9
50°-60°	0.0	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°	454.4	87.4
0°-40°	515.3	99.1
0°-60°	520.0	100.0
0°-90°	520.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	520.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	684	684	684	684	684	
5°	674	672	672	669	668	65
15°	673	668	666	663	664	187
25°	462	462	469	468	462	202
35°	68	73	82	75	70	56
45°	2	4	8	4	1	3
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	684.0	684.0	684.0	684.0	684.0
1°	683.6	683.6	682.8	682.4	683.6
2°	681.6	681.6	679.6	679.2	680.4
3°	677.2	676.8	675.2	674.0	674.8
4°	673.6	672.8	671.6	669.6	670.0
5°	673.6	672.4	671.6	668.8	668.0
6°	676.8	676.0	674.4	671.6	670.8
7°	682.4	680.8	679.2	675.6	674.8
8°	688.4	687.2	684.0	680.4	678.8
9°	694.4	691.6	687.6	684.0	683.6
10°	698.0	694.0	689.6	685.2	684.8
11°	697.6	694.0	688.8	684.8	684.4
12°	696.0	690.8	686.4	681.6	682.0
13°	690.4	685.6	681.2	677.6	676.8
14°	682.8	678.4	674.4	670.8	671.2
15°	673.2	668.4	666.0	663.2	663.6
17.5°	639.3	638.1	639.3	636.1	637.3
20°	596.5	595.3	598.9	597.3	596.9
22.5°	537.0	538.6	545.4	543.4	539.8
25°	461.6	461.6	468.8	468.0	461.6
27.5°	363.4	366.1	370.5	372.5	367.7
30°	253.1	259.5	259.5	263.5	261.5
32.5°	141.3	154.9	158.1	160.1	152.1
35°	68.3	72.7	82.3	75.1	70.3
37.5°	32.7	34.7	44.3	35.9	33.5
40°	16.4	18.8	23.6	19.6	16.8
42.5°	6.8	10.0	12.4	10.0	6.8
45°	1.6	4.0	7.6	4.0	1.2
47.5°	0.0	0.4	3.6	0.8	0.0
50°	0.0	0.0	1.2	0.0	0.0
52.5°	0.0	0.0	0.0	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)