

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: P1325284

Luminaire Tested: LDSQA3D05R50W2N902750DE010 3LSQCDR1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325284
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R50W2N902750DE010 3LSQCDR1MW_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 5000K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

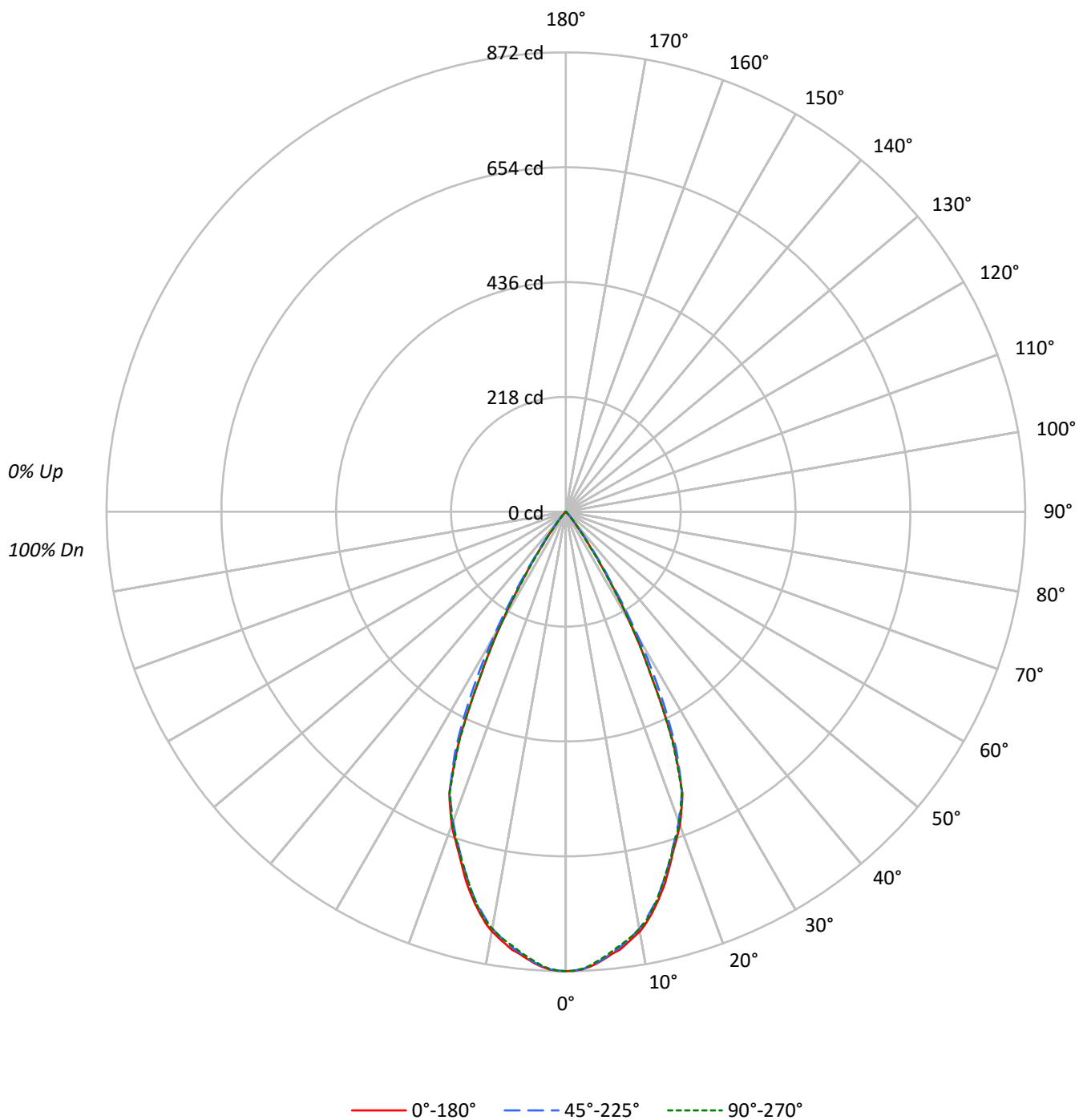
Lumens per Lamp: N/A
Luminaire Lumens: 562.0 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	112	109	107	112	109	107	106	105	104	102		102	100	99		98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94	93	91	90
3	105	99	94	91	103	98	93	90	95	92	89		93	90	87		90	88	86	85
4	100	93	89	85	98	92	88	84	90	86	83		88	85	82		87	84	81	80
5	96	88	83	79	94	88	83	79	86	82	78		84	81	78		83	80	77	76
6	92	84	79	75	90	83	78	75	82	77	74		80	77	74		79	76	73	72
7	88	80	74	71	87	79	74	70	78	73	70		77	73	70		76	72	69	68
8	84	76	71	67	83	75	70	67	74	70	67		73	69	66		72	69	66	65
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69	66	63	62
10	78	69	64	60	77	69	64	60	68	63	60		67	63	60		66	63	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	150195	150195	150195
5°	147242	146966	146551
10°	141477	140516	140586
15°	129890	128678	128535
20°	116032	114785	115372
25°	91194	93854	90434
30°	48782	54668	48941
35°	15937	18628	15011
40°	3957	4924	3777
45°	487	1754	487
50°	322	536	322
55°	360	360	360
60°	276	276	276
65°	326	326	326
70°	201	201	201
75°	266	266	266
80°	397	397	397
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1754 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.7	14.2
10°-20°	201.7	35.9
20°-30°	212.1	37.7
30°-40°	61.1	10.9
40°-50°	5.0	0.9
50°-60°	1.1	0.2
60°-70°	0.8	0.1
70°-80°	0.4	0.1
80°-90°	0.1	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°	493.5	87.8
0°-40°	554.7	98.7
0°-60°	560.7	99.8
0°-90°	562.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	562.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	872	872	872	872	872	
5°	852	851	850	851	848	80
15°	728	724	722	722	721	203
25°	480	492	494	488	476	208
35°	76	79	89	76	71	59
45°	2	4	7	4	2	4
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
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°	872.1	872.1	872.1	872.1	872.1
1°	871.7	872.5	870.9	873.7	871.3
2°	869.7	870.1	869.3	871.3	868.1
3°	864.9	865.7	864.1	865.7	862.9
4°	859.3	859.3	857.7	858.9	855.3
5°	851.7	851.3	850.1	850.9	847.7
6°	843.7	843.3	841.4	841.4	839.0
7°	837.8	835.0	833.4	833.0	830.6
8°	828.2	827.4	824.2	824.2	822.6
9°	818.6	817.8	814.2	815.0	813.8
10°	809.0	806.2	803.5	803.9	803.9
11°	796.3	793.9	789.9	791.5	792.3
12°	781.1	778.3	774.7	777.9	777.5
13°	764.4	762.0	759.2	761.6	760.8
14°	746.8	743.2	740.8	742.4	741.6
15°	728.5	723.7	721.7	721.7	720.9
17.5°	677.0	674.2	672.2	671.0	673.8
20°	633.1	630.7	626.3	627.5	629.5
22.5°	578.1	577.7	575.3	573.3	575.7
25°	479.9	491.9	493.9	488.3	475.9
27.5°	348.7	376.6	386.6	373.4	350.7
30°	245.3	258.5	274.9	248.9	246.1
32.5°	148.0	151.6	166.8	148.8	144.8
35°	75.8	78.6	88.6	75.8	71.4
37.5°	35.5	37.1	41.1	35.5	33.1
40°	17.6	19.5	21.9	18.4	16.8
42.5°	7.6	10.0	12.8	9.6	6.8
45°	2.0	4.0	7.2	4.0	2.0
47.5°	1.2	1.6	4.0	1.6	1.2
50°	1.2	1.2	2.0	1.2	1.2
52.5°	1.2	1.2	1.2	1.2	1.2
55°	1.2	1.2	1.2	1.2	1.2
57.5°	1.2	1.2	1.2	1.2	1.2
60°	0.8	1.2	0.8	1.2	0.8
62.5°	0.8	0.8	0.8	0.8	0.8
65°	0.8	0.8	0.8	0.8	0.8
67.5°	0.8	0.8	0.8	0.8	0.8
70°	0.4	0.4	0.4	0.4	0.4
72.5°	0.4	0.4	0.4	0.4	0.4
75°	0.4	0.4	0.4	0.4	0.4
77.5°	0.4	0.4	0.4	0.4	0.4
80°	0.4	0.4	0.4	0.4	0.4
82.5°	0.0	0.4	0.0	0.4	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)