

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: P1324349

Luminaire Tested: LDSQA3D05R20W2N902750DE010 3LSQCDR1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324349
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R20W2N902750DE010 3LSQCDR1MW_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 4000K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

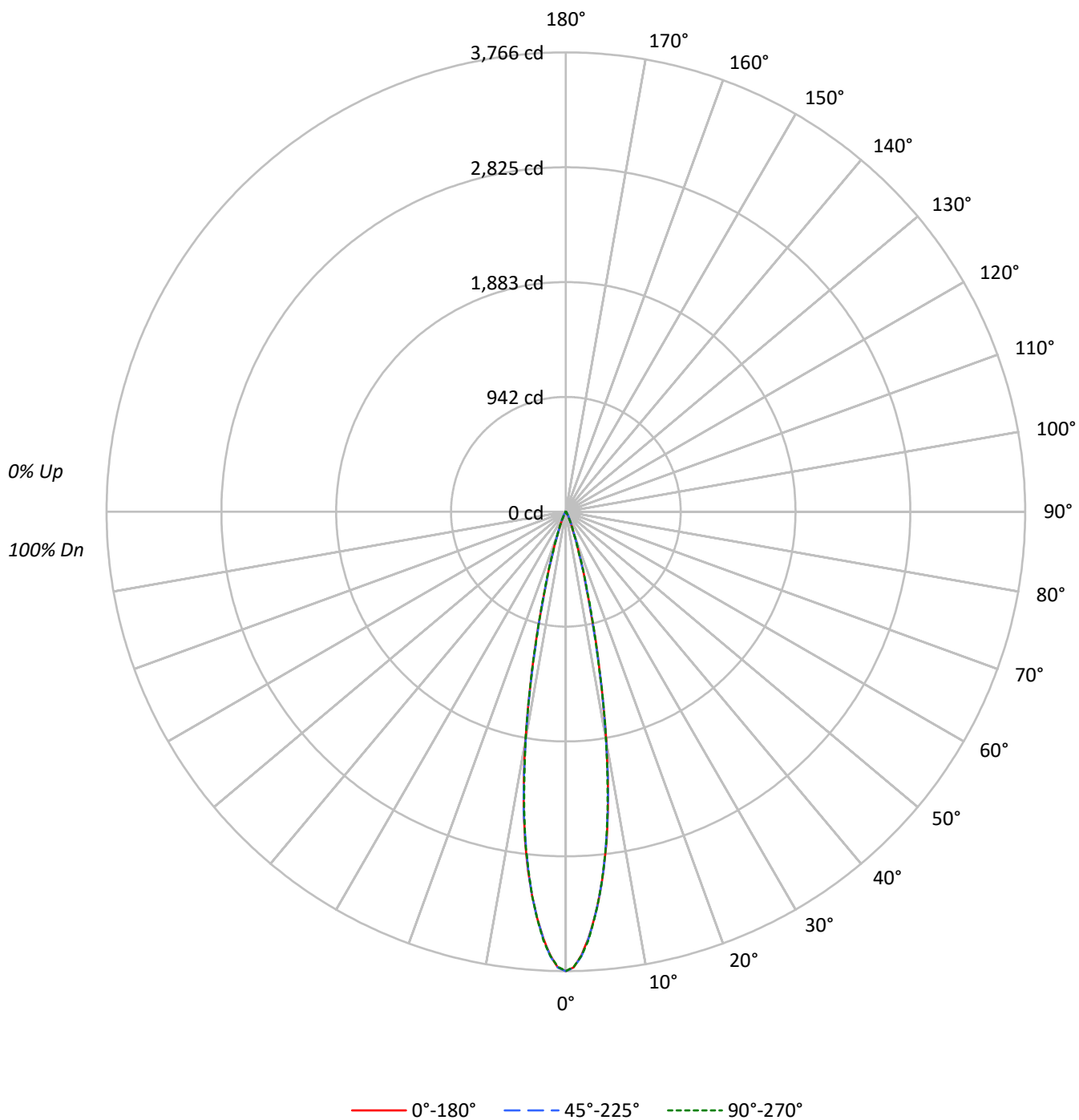
Lumens per Lamp: N/A
Luminaire Lumens: 519.0 lumens
Efficiency: N/A
Efficacy: 88.0 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	116	114	112	110	113	111	110	109	108	106	105		104	103	102		101
2	112	109	106	104	110	107	105	103	104	102	101		102	100	99		99
3	109	105	102	100	108	104	101	99	102	99	97		99	97	96		97
4	107	102	98	96	105	101	98	95	99	96	94		97	95	93		96
5	104	99	95	93	103	98	95	92	97	94	92		95	93	91		94
6	102	96	93	90	101	96	92	90	94	92	89		93	91	89		92
7	100	94	90	88	99	94	90	88	92	90	87		91	89	87		91
8	97	92	88	86	97	91	88	86	91	88	86		90	87	85		89
9	96	90	87	84	95	90	86	84	89	86	84		88	86	84		88
10	94	88	85	83	93	88	85	82	87	84	82		87	84	82		86

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	648625	648625	648625
5°	546683	546890	546614
10°	333145	331589	332376
15°	117338	117855	121492
20°	36875	37901	37095
25°	13815	15107	14195
30°	5349	7577	5588
35°	2018	3385	2187
40°	1079	1439	1079
45°	390	682	487
50°	214	322	214
55°	240	240	240
60°	138	138	138
65°	163	163	163
70°	201	201	201
75°	0	0	266
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 682 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	261.4	50.4
10°-20°	205.0	39.5
20°-30°	40.3	7.8
30°-40°	9.0	1.7
40°-50°	2.0	0.4
50°-60°	0.6	0.1
60°-70°	0.4	0.1
70°-80°	0.2	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°	506.7	97.6
0°-40°	515.7	99.4
0°-60°	518.4	99.9
0°-90°	519.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	519.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3766	3766	3766	3766	3766	
5°	3162	3165	3163	3174	3162	262
15°	658	661	661	675	681	205
25°	73	78	80	78	75	38
35°	10	12	16	12	10	7
45°	2	2	3	2	2	2
55°	1	1	1	1	1	1
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°	3766.2	3766.2	3766.2	3766.2	3766.2
1°	3735.6	3727.6	3736.9	3729.6	3731.2
2°	3638.9	3634.5	3646.5	3638.9	3642.9
3°	3504.4	3498.7	3507.6	3508.0	3519.2
4°	3343.7	3332.9	3346.1	3346.5	3348.6
5°	3162.2	3165.0	3163.4	3174.3	3161.8
6°	2958.2	2967.5	2955.4	2961.5	2944.2
7°	2730.2	2718.5	2712.5	2714.5	2726.5
8°	2478.4	2470.4	2479.2	2466.7	2458.3
9°	2198.5	2184.4	2194.1	2182.0	2170.0
10°	1905.0	1898.5	1896.1	1882.5	1900.6
11°	1610.6	1591.4	1601.0	1594.2	1613.8
12°	1335.2	1336.8	1317.9	1323.9	1326.3
13°	1086.6	1060.9	1064.1	1080.6	1083.4
14°	842.9	846.5	847.7	859.3	866.2
15°	658.1	661.0	661.0	675.4	681.4
17.5°	353.0	353.0	360.6	362.2	363.0
20°	201.2	202.4	206.8	206.4	202.4
22.5°	120.5	122.9	125.3	122.9	120.5
25°	72.7	77.5	79.5	78.3	74.7
27.5°	43.4	48.6	54.2	49.8	43.0
30°	26.9	29.7	38.1	30.5	28.1
32.5°	14.9	19.3	26.1	20.1	15.3
35°	9.6	11.6	16.1	11.6	10.4
37.5°	6.8	8.0	10.0	8.4	7.2
40°	4.8	5.6	6.4	6.0	4.8
42.5°	3.2	4.0	4.4	4.0	3.2
45°	1.6	2.4	2.8	2.4	2.0
47.5°	0.8	1.2	2.0	1.2	0.8
50°	0.8	0.8	1.2	0.8	0.8
52.5°	0.8	0.8	0.8	0.8	0.8
55°	0.8	0.8	0.8	0.8	0.8
57.5°	0.8	0.8	0.4	0.8	0.4
60°	0.4	0.4	0.4	0.4	0.4
62.5°	0.4	0.4	0.4	0.4	0.4
65°	0.4	0.4	0.4	0.4	0.4
67.5°	0.4	0.4	0.4	0.4	0.4
70°	0.4	0.4	0.4	0.4	0.4
72.5°	0.4	0.4	0.4	0.4	0.4
75°	0.0	0.0	0.0	0.0	0.4
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)