

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: P1324347

Luminaire Tested: LDSQA3D05R20W2N902750DE010 3LSQCDR1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324347
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_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 3000K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

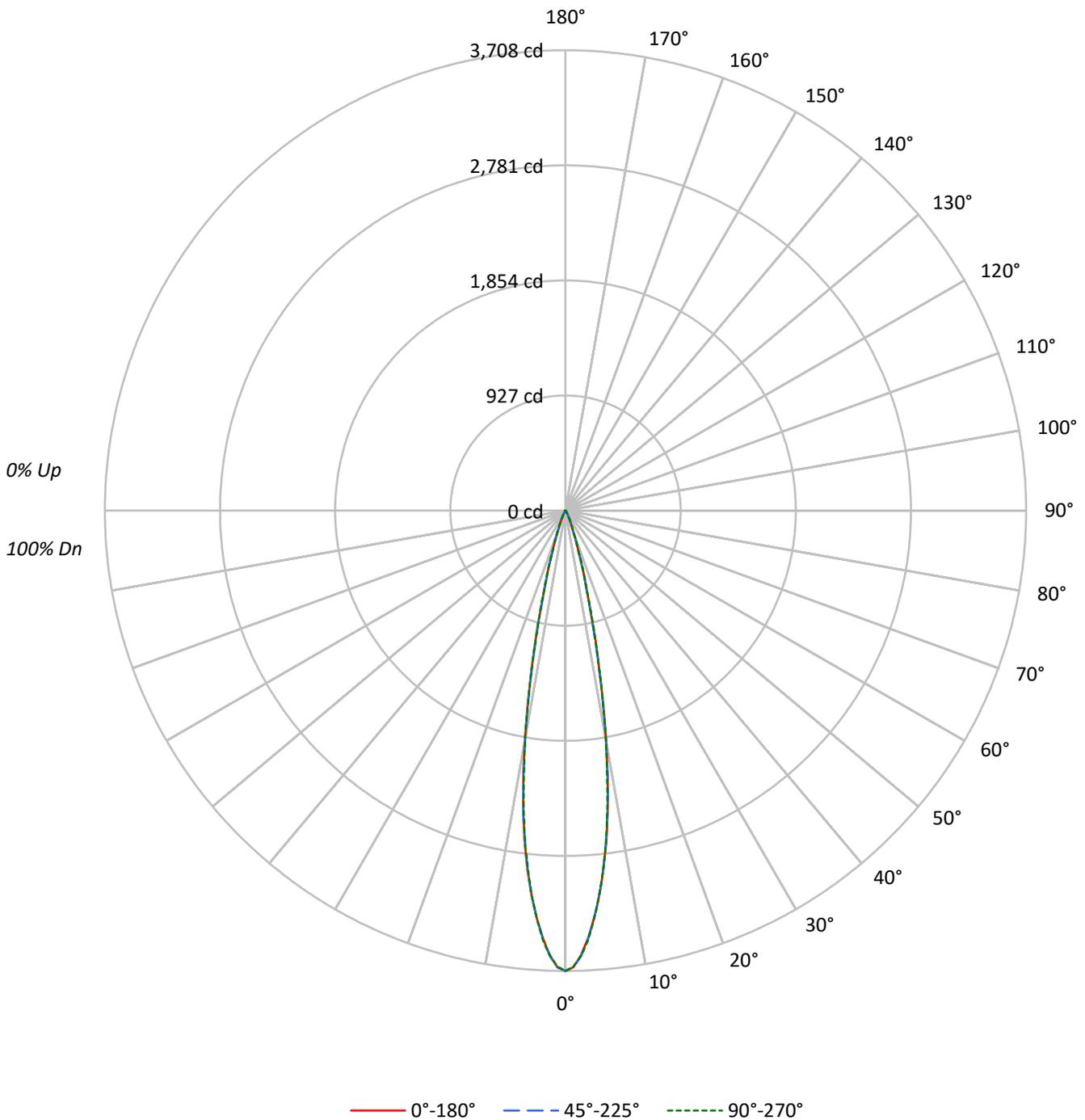
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 511.0 lumens
Efficiency: N/A
Efficacy: 86.6 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		0	
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	116	114	112	110	113	111	110	109	108	106	105	104	103	102	101	100	99	99	98	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	97	96	95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	97	96	93
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	96	94	91
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	94	92	89
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	92	90	87
7	100	94	90	88	99	94	90	88	92	90	87	91	89	87	91	88	87	91	88	86
8	97	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	89	87	84
9	96	90	87	84	95	90	86	84	89	86	84	88	85	84	87	85	83	87	85	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	86	84	81

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	638619	638619	638619
5°	538263	538471	538194
10°	328004	326482	327252
15°	115537	116036	119620
20°	36307	37315	36527
25°	13606	14879	13967
30°	5270	7477	5509
35°	1997	3322	2166
40°	1057	1416	1057
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°	257.4	50.4
10°-20°	201.8	39.5
20°-30°	39.6	7.8
30°-40°	8.9	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°	498.9	97.6
0°-40°	507.8	99.4
0°-60°	510.5	99.9
0°-90°	511.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	511.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3708	3708	3708	3708	3708	
5°	3114	3116	3115	3125	3113	258
15°	648	651	651	665	671	201
25°	72	76	78	77	74	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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3708.1	3708.1	3708.1	3708.1	3708.1
1°	3678.1	3670.2	3679.3	3672.1	3673.7
2°	3582.8	3578.4	3590.3	3582.8	3586.7
3°	3450.3	3444.8	3453.5	3453.9	3465.0
4°	3292.2	3281.5	3294.6	3295.0	3296.9
5°	3113.5	3116.3	3114.7	3125.3	3113.1
6°	2912.6	2921.7	2909.9	2915.8	2898.8
7°	2688.1	2676.6	2670.7	2672.7	2684.5
8°	2440.2	2432.3	2441.0	2428.7	2420.4
9°	2164.6	2150.8	2160.3	2148.4	2136.5
10°	1875.6	1869.3	1866.9	1853.5	1871.3
11°	1585.8	1566.8	1576.3	1569.6	1589.0
12°	1314.6	1316.2	1297.6	1303.5	1305.9
13°	1069.9	1044.6	1047.7	1063.9	1066.7
14°	829.9	833.4	834.6	846.1	852.8
15°	648.0	650.8	650.8	665.0	670.9
17.5°	347.5	347.5	355.0	356.6	357.4
20°	198.1	199.3	203.6	203.2	199.3
22.5°	118.6	121.0	123.4	121.0	118.6
25°	71.6	76.3	78.3	77.1	73.5
27.5°	42.7	47.8	53.4	49.0	42.3
30°	26.5	29.3	37.6	30.0	27.7
32.5°	14.6	19.0	25.7	19.8	15.0
35°	9.5	11.5	15.8	11.5	10.3
37.5°	6.7	7.9	9.9	8.3	7.1
40°	4.7	5.5	6.3	5.9	4.7
42.5°	3.2	4.0	4.3	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)