

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: P1324708

Luminaire Tested: LDSQA3D05R30W2N902750DE010 3LSQCDR1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324708
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R30W2N902750DE010 3LSQCDR1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 2700K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

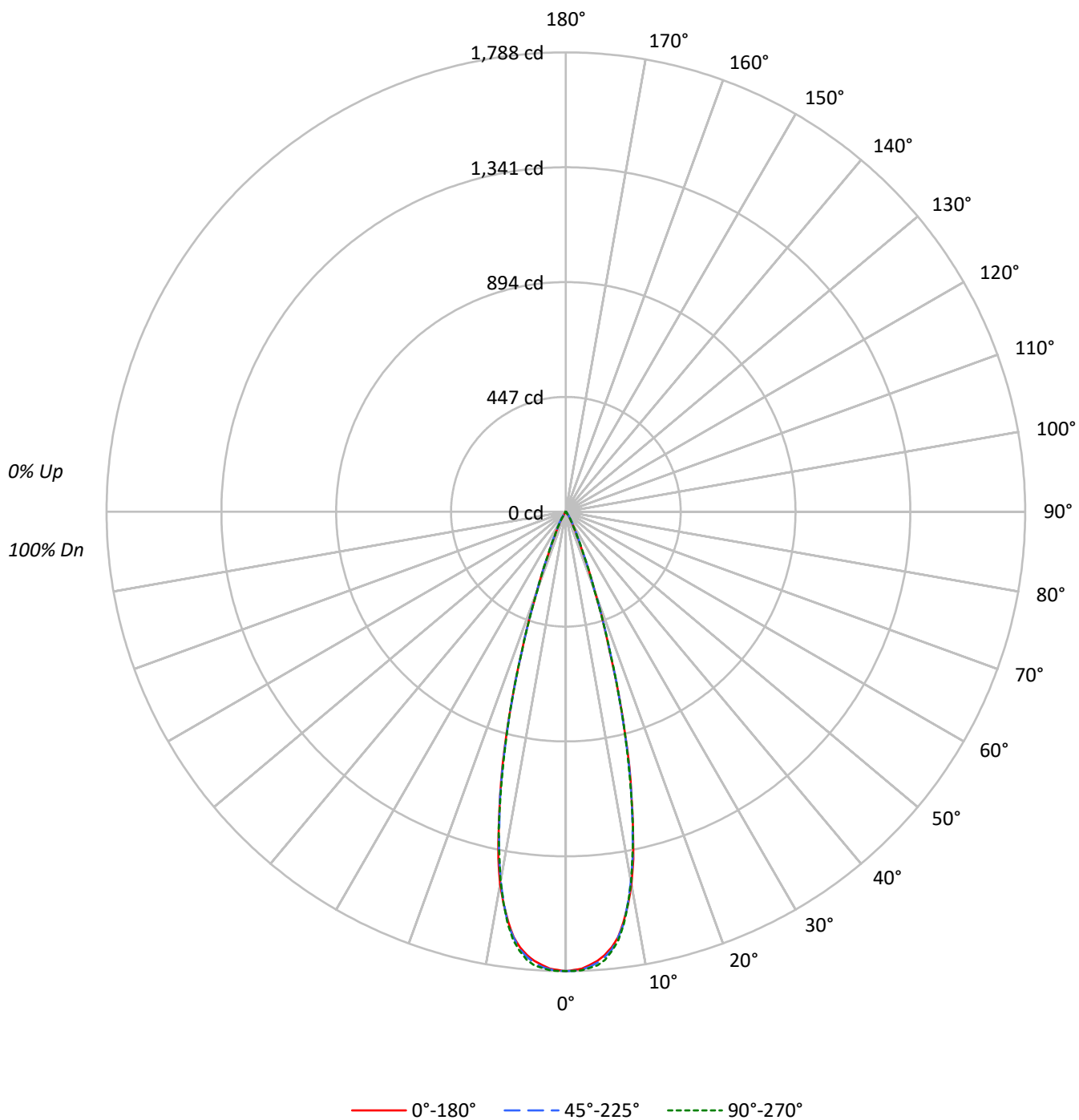
Lumens per Lamp: N/A
Luminaire Lumens: 465.0 lumens
Efficiency: N/A
Efficacy: 78.8 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1324708

CATALOG NUMBER: LDSQA3D05R30W2N902750DE010 3LSQCDR1MW_2700K

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	100	99	98
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	96	95
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	93	92
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	90	89
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	87	86
5	102	96	92	89	100	95	91	89	93	90	88	92	89	87	91	88	86	85	84	83
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	83	82	81
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	81	80	79
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	78	77	76
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	76	75	74
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	74	73	72

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	307917	307917	307917
5°	299481	300777	302645
10°	257527	255324	255586
15°	158239	156956	157081
20°	60224	60353	59235
25°	19155	20181	19231
30°	7696	9565	7915
35°	2481	4226	2481
40°	1124	1866	1124
45°	438	779	438
50°	188	375	188
55°	210	210	210
60°	241	241	241
65°	163	163	163
70°	201	201	201
75°	266	266	266
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 779 cd/sqm

TEST NUMBER: P1324708

CATALOG NUMBER: LDSQA3D05R30W2N902750DE010 3LSQCDR1MW_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.7	33.9
10°-20°	234.0	50.3
20°-30°	58.1	12.5
30°-40°	11.6	2.5
40°-50°	2.1	0.5
50°-60°	0.6	0.1
60°-70°	0.5	0.1
70°-80°	0.4	0.1
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°	449.8	96.7
0°-40°	461.4	99.2
0°-60°	464.2	99.8
0°-90°	465.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	465.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1788	1788	1788	1788	1788	
5°	1732	1738	1740	1742	1751	157
15°	888	889	880	883	881	235
25°	101	103	106	105	101	56
35°	12	15	20	15	12	10
45°	2	2	3	2	2	2
55°	1	1	1	1	1	1
65°	0	0	0	0	0	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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CATALOG NUMBER: LDSQA3D05R30W2N902750DE010 3LSQCDR1MW_2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1787.9	1787.9	1787.9	1787.9	1787.9
1°	1784.0	1786.1	1787.6	1787.6	1787.6
2°	1779.0	1780.4	1782.5	1782.9	1785.8
3°	1767.1	1770.3	1773.9	1776.1	1777.5
4°	1752.8	1757.1	1759.2	1764.6	1769.3
5°	1732.3	1738.1	1739.8	1742.4	1750.6
6°	1704.7	1709.0	1712.6	1713.7	1718.7
7°	1668.1	1670.3	1669.5	1671.3	1680.3
8°	1612.5	1613.2	1619.3	1615.4	1621.5
9°	1546.5	1543.6	1542.2	1545.1	1545.4
10°	1472.6	1462.9	1460.0	1457.5	1461.5
11°	1376.8	1364.3	1365.3	1364.6	1358.9
12°	1257.7	1256.3	1247.0	1248.7	1257.4
13°	1136.1	1138.6	1136.8	1139.0	1129.3
14°	1022.0	1009.8	1013.1	1000.9	1005.5
15°	887.5	889.3	880.3	883.2	881.0
17.5°	568.2	572.2	569.3	566.8	570.7
20°	328.6	328.2	329.3	326.1	323.2
22.5°	172.9	175.4	178.6	179.0	181.2
25°	100.8	103.0	106.2	104.7	101.2
27.5°	61.7	65.6	70.7	67.1	62.8
30°	38.7	42.0	48.1	42.3	39.8
32.5°	21.9	26.5	31.6	26.5	21.9
35°	11.8	15.4	20.1	15.1	11.8
37.5°	7.9	9.0	13.3	9.0	7.9
40°	5.0	6.1	8.3	6.1	5.0
42.5°	2.9	3.9	4.7	3.9	2.9
45°	1.8	2.2	3.2	2.5	1.8
47.5°	0.7	1.1	2.2	1.1	1.1
50°	0.7	0.7	1.4	0.7	0.7
52.5°	0.7	0.7	0.7	0.7	0.7
55°	0.7	0.7	0.7	0.7	0.7
57.5°	0.7	0.7	0.7	0.7	0.7
60°	0.7	0.7	0.7	0.7	0.7
62.5°	0.7	0.7	0.7	0.7	0.7
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°	0.4	0.4	0.4	0.4	0.4
77.5°	0.4	0.4	0.4	0.4	0.4
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



TEST NUMBER: P1324708

CATALOG NUMBER: LDSQA3D05R30W2N902750DE010 3LSQCDR1MW_2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)