

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: P1324821

Luminaire Tested: LDSQA3D05R30W2N902765DE010 3LSQPHR1MW_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324821
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R30W2N902765DE010 3LSQPHR1MW_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 3500K CCT AND, 90CRI ,
3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

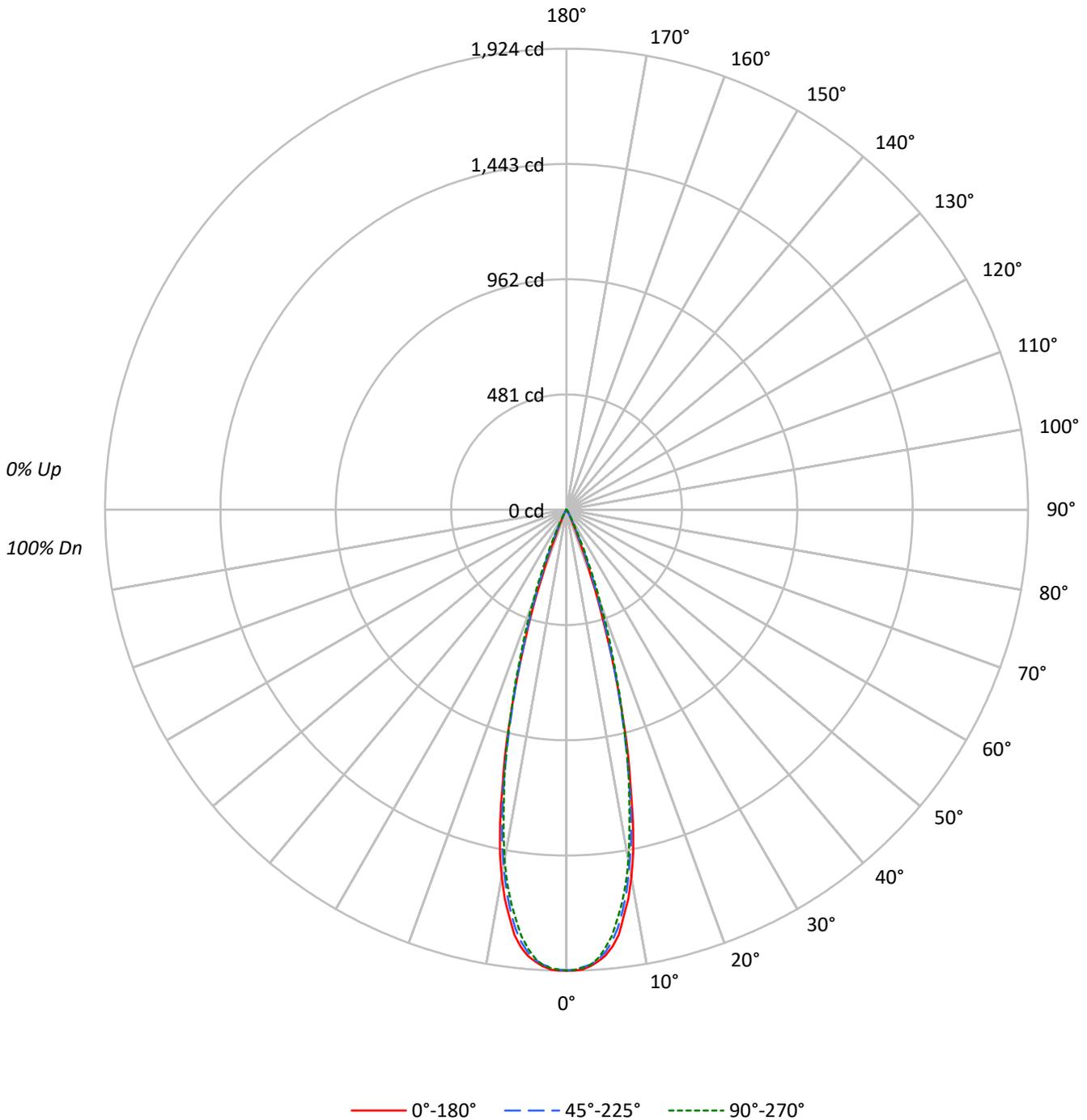
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 466.0 lumens
Efficiency: N/A
Efficacy: 79.0 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.49 / 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: P1324821
CATALOG NUMBER: LDSQA3D05R30W2N902765DE010 3LSQPHR1MW_3500K

Luminous Intensity Polar Plot





TEST NUMBER: P1324821

CATALOG NUMBER: LDSQA3D05R30W2N902765DE010 3LSQPHR1MW_3500K

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	115	113	111	110	113	111	109	108	107	106	105	103	103	102	100	99	99	97
2	112	108	105	103	110	107	104	102	104	101	100	101	99	98	98	97	96	94
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92
4	105	100	97	94	104	99	96	93	97	94	92	95	93	91	94	92	90	89
5	102	97	93	90	101	96	93	90	95	91	89	93	90	88	92	89	88	87
6	100	94	90	87	99	93	90	87	92	89	86	91	88	86	90	87	85	84
7	97	91	87	84	96	91	87	84	90	86	84	88	86	83	88	85	83	82
8	95	89	85	82	94	88	84	82	87	84	82	86	83	81	86	83	81	80
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	331219	331219	331219
5°	322699	320469	317824
10°	272322	263963	259678
15°	164105	159523	162465
20°	55661	64275	74153
25°	10223	16038	18927
30°	3520	3918	4395
35°	1009	1261	1346
40°	270	450	360
45°	97	97	97
50°	107	0	107
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: 0°

Vertical Angle: 52.5°

Luminance: 113 cd/sqm



TEST NUMBER: P1324821

CATALOG NUMBER: LDSQA3D05R30W2N902765DE010 3LSQPHR1MW_3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.3	35.7
10°-20°	243.0	52.2
20°-30°	51.4	11.0
30°-40°	4.7	1.0
40°-50°	0.5	0.1
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°	460.8	98.9
0°-40°	465.5	99.9
0°-60°	466.0	100.0
0°-90°	466.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	466.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1923	1923	1923	1923	1923	
5°	1867	1863	1854	1848	1838	169
15°	920	917	895	916	911	243
25°	54	60	84	99	100	39
35°	5	6	6	7	6	4
45°	0	0	0	0	0	0
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	0



TEST NUMBER: P1324821

CATALOG NUMBER: LDSQA3D05R30W2N902765DE010 3LSQPHR1MW_3500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1923.2	1923.2	1923.2	1923.2	1923.2
1°	1923.6	1921.6	1918.8	1922.8	1920.0
2°	1919.6	1914.8	1910.7	1914.8	1913.6
3°	1907.5	1903.5	1900.7	1902.7	1902.7
4°	1889.5	1885.0	1882.6	1883.0	1877.0
5°	1866.6	1862.9	1853.7	1848.1	1838.4
6°	1832.8	1824.0	1812.7	1803.5	1791.0
7°	1787.0	1773.3	1757.3	1741.2	1725.5
8°	1713.5	1707.1	1685.4	1674.5	1658.8
9°	1644.4	1628.7	1605.4	1587.7	1579.3
10°	1557.2	1533.9	1509.4	1495.3	1484.9
11°	1454.0	1430.2	1410.6	1390.1	1374.0
12°	1332.6	1312.5	1290.0	1276.4	1257.5
13°	1188.8	1186.0	1160.7	1156.3	1153.8
14°	1065.5	1054.2	1029.3	1036.1	1037.7
15°	920.4	917.2	894.7	915.6	911.2
17.5°	576.5	577.7	591.8	624.7	635.2
20°	303.7	313.0	350.7	390.5	404.6
22.5°	122.9	143.4	182.0	208.9	227.0
25°	53.8	60.3	84.4	99.2	99.6
27.5°	30.5	30.9	40.6	42.2	43.0
30°	17.7	18.1	19.7	20.9	22.1
32.5°	9.6	10.4	10.8	12.5	12.5
35°	4.8	6.0	6.0	7.2	6.4
37.5°	2.8	3.2	3.6	3.6	3.2
40°	1.2	1.6	2.0	2.0	1.6
42.5°	0.4	0.8	0.8	0.8	1.2
45°	0.4	0.4	0.4	0.4	0.4
47.5°	0.4	0.4	0.0	0.4	0.4
50°	0.4	0.0	0.0	0.0	0.4
52.5°	0.4	0.0	0.0	0.0	0.4
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



TEST NUMBER: P1324821
CATALOG NUMBER: LDSQA3D05R30W2N902765DE010 3LSQPHR1MW_3500K

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)