

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: P1324806

Luminaire Tested: LDSQA3D05R30W2N902765DE010 3LSQCDR1MW\_6500K

Issue Date: 1/29/2026

**Test Information**

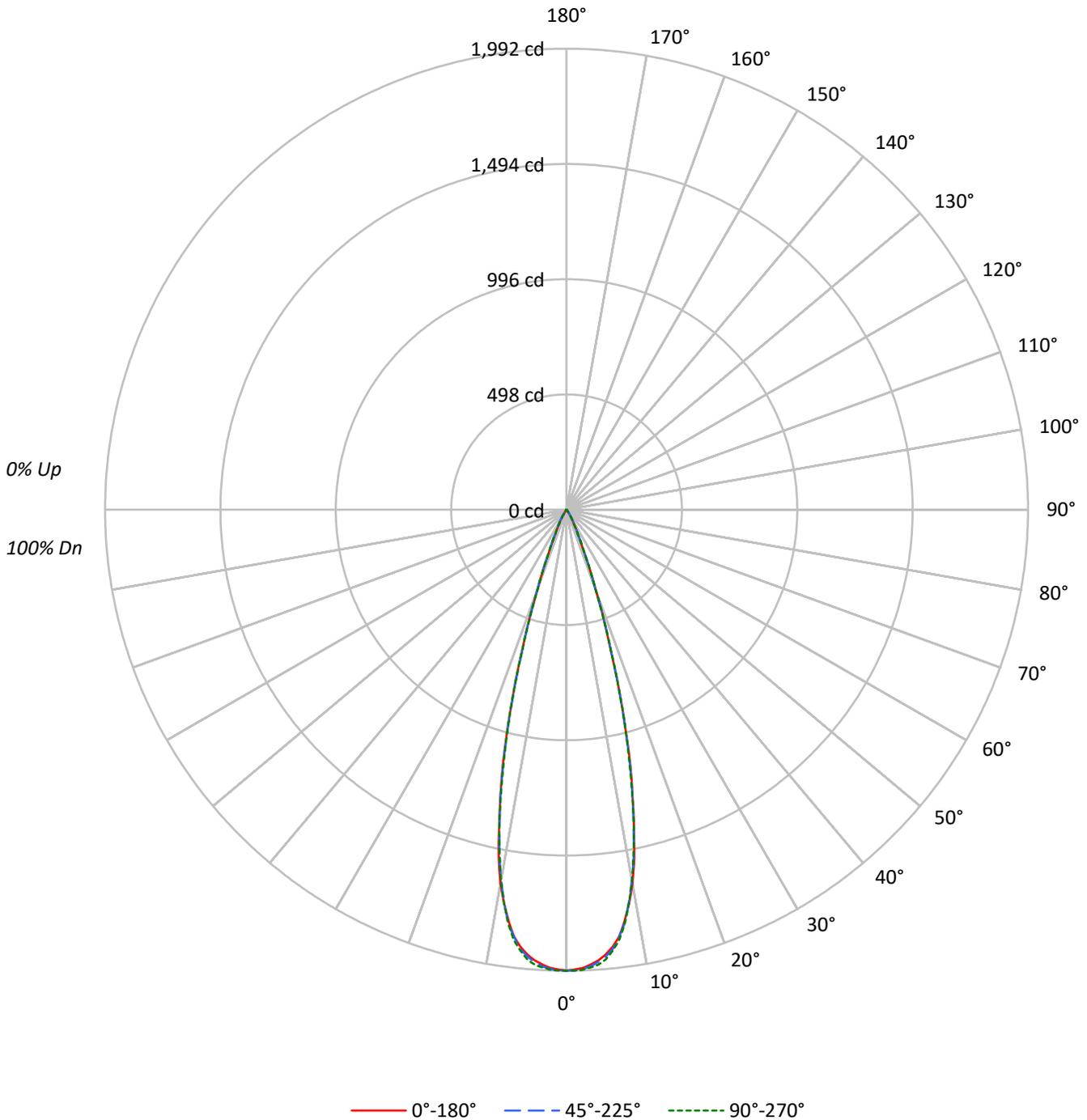
Test Method: LM-79-2019  
Report Number: P1324806  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R30W2N902765DE010 3LSQCDR1MW\_6500K  
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 6500K CCT AND, 90CRI ,  
3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 518.0 lumens  
Efficiency: N/A  
Efficacy: 87.8 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: P1324806  
CATALOG NUMBER: LDSQA3D05R30W2N902765DE010 3LSQCDR1MW\_6500K

### Luminous Intensity Polar Plot





TEST NUMBER: P1324806

CATALOG NUMBER: LDSQA3D05R30W2N902765DE010 3LSQCDR1MW\_6500K

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

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	343016	343016	343016
5°	333625	335077	337134
10°	286872	284441	284704
15°	176283	174857	174999
20°	67097	67244	65998
25°	21340	22480	21416
30°	8591	10639	8830
35°	2775	4709	2775
40°	1259	2068	1259
45°	487	877	487
50°	214	429	214
55°	240	240	240
60°	276	276	276
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: 877 cd/sqm



TEST NUMBER: P1324806

CATALOG NUMBER: LDSQA3D05R30W2N902765DE010 3LSQCDR1MW\_6500K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	175.7	33.9
10°-20°	260.6	50.3
20°-30°	64.8	12.5
30°-40°	12.9	2.5
40°-50°	2.4	0.5
50°-60°	0.7	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
<b>0°-30°</b>	<b>501.1</b>	<b>96.7</b>
<b>0°-40°</b>	<b>514.0</b>	<b>99.2</b>
<b>0°-60°</b>	<b>517.1</b>	<b>99.8</b>
<b>0°-90°</b>	<b>518.0</b>	<b>100.0</b>
90°-120°	0.0	0.0
90°-150°	0.0	0.0
<b>90°-180°</b>	<b>0.0</b>	<b>0.0</b>
<b>0°-180°</b>	<b>518.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1992	1992	1992	1992	1992	
5°	1930	1936	1938	1941	1950	175
15°	989	991	981	984	982	262
25°	112	115	118	117	113	63
35°	13	17	22	17	13	11
45°	2	2	4	3	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	



TEST NUMBER: P1324806

CATALOG NUMBER: LDSQA3D05R30W2N902765DE010 3LSQCDR1MW\_6500K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1991.7	1991.7	1991.7	1991.7	1991.7
1°	1987.3	1989.7	1991.3	1991.3	1991.3
2°	1981.7	1983.3	1985.7	1986.1	1989.3
3°	1968.5	1972.1	1976.1	1978.5	1980.1
4°	1952.5	1957.3	1959.7	1965.7	1970.9
5°	1929.8	1936.2	1938.2	1941.0	1950.1
6°	1899.0	1903.8	1907.8	1909.0	1914.6
7°	1858.2	1860.6	1859.8	1861.8	1871.8
8°	1796.3	1797.1	1803.9	1799.5	1806.3
9°	1722.8	1719.6	1718.0	1721.2	1721.6
10°	1640.4	1629.6	1626.5	1623.7	1628.0
11°	1533.7	1519.8	1521.0	1520.2	1513.8
12°	1401.1	1399.5	1389.1	1391.1	1400.7
13°	1265.6	1268.4	1266.4	1268.8	1258.0
14°	1138.5	1124.9	1128.5	1114.9	1120.1
15°	988.7	990.7	980.7	983.9	981.5
17.5°	633.0	637.4	634.2	631.4	635.8
20°	366.1	365.7	366.9	363.3	360.1
22.5°	192.6	195.4	199.0	199.4	201.8
25°	112.3	114.7	118.3	116.7	112.7
27.5°	68.7	73.1	78.7	74.7	69.9
30°	43.2	46.8	53.5	47.2	44.4
32.5°	24.4	29.6	35.2	29.6	24.4
35°	13.2	17.2	22.4	16.8	13.2
37.5°	8.8	10.0	14.8	10.0	8.8
40°	5.6	6.8	9.2	6.8	5.6
42.5°	3.2	4.4	5.2	4.4	3.2
45°	2.0	2.4	3.6	2.8	2.0
47.5°	0.8	1.2	2.4	1.2	1.2
50°	0.8	0.8	1.6	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	0.8	0.8	0.8
60°	0.8	0.8	0.8	0.8	0.8
62.5°	0.8	0.8	0.8	0.8	0.8
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: P1324806

CATALOG NUMBER: LDSQA3D05R30W2N902765DE010 3LSQCDR1MW\_6500K

**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)