

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: P1324805

Luminaire Tested: LDSQA3D05R30W2N902765DE010 3LSQCDR1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324805
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_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 5000K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

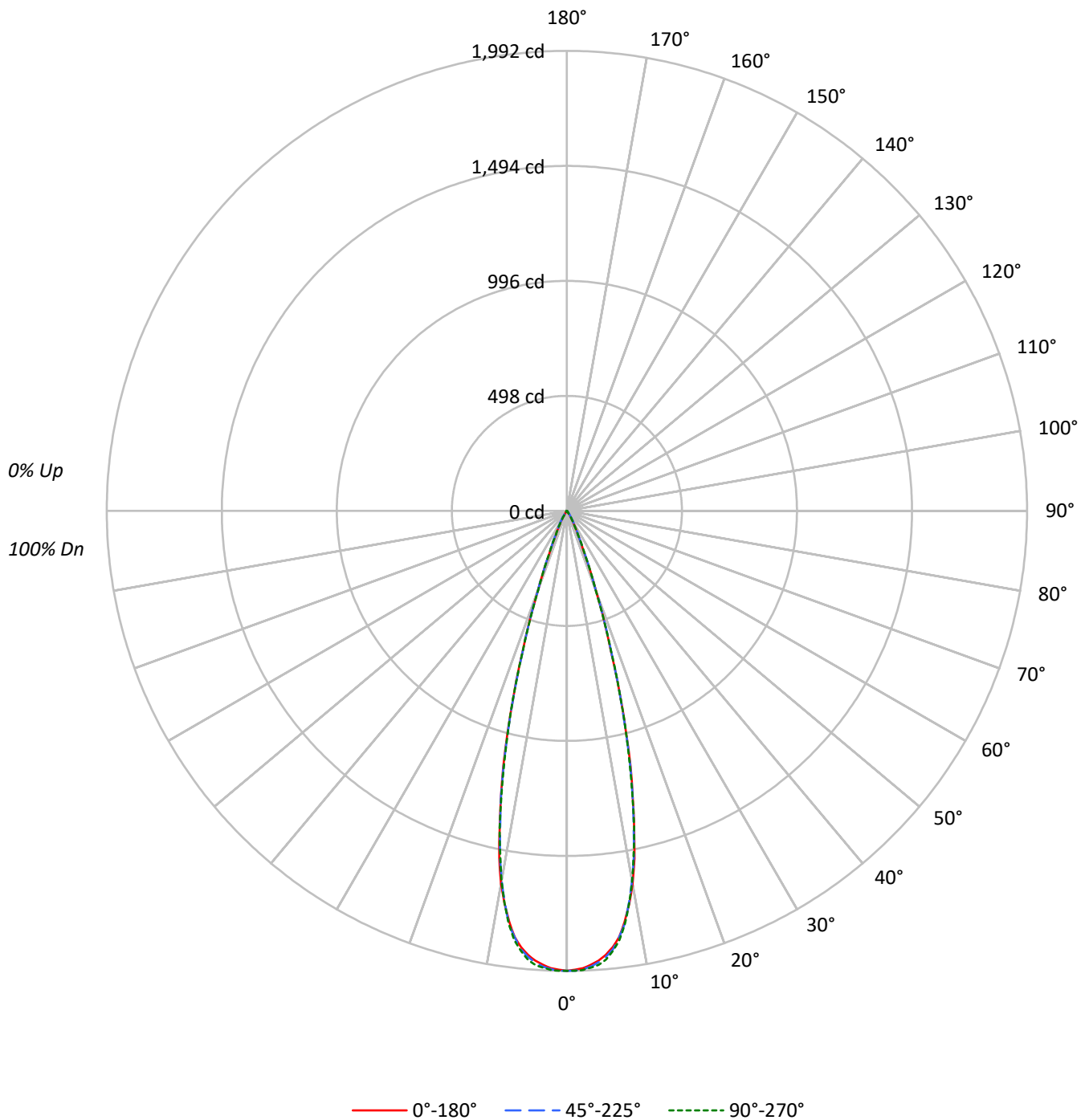
Lumens per Lamp: N/A
Luminaire Lumens: 518.0 lumens
Efficiency: N/A
Efficacy: 87.8 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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	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°	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

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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
0°-30°	501.1	96.7
0°-40°	514.0	99.2
0°-60°	517.1	99.8
0°-90°	518.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	518.0	100.0

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	

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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



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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)