

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: P1324709

Luminaire Tested: LDSQA3D05R30W2N902750DE010 3LSQCDR1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324709
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_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 3000K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

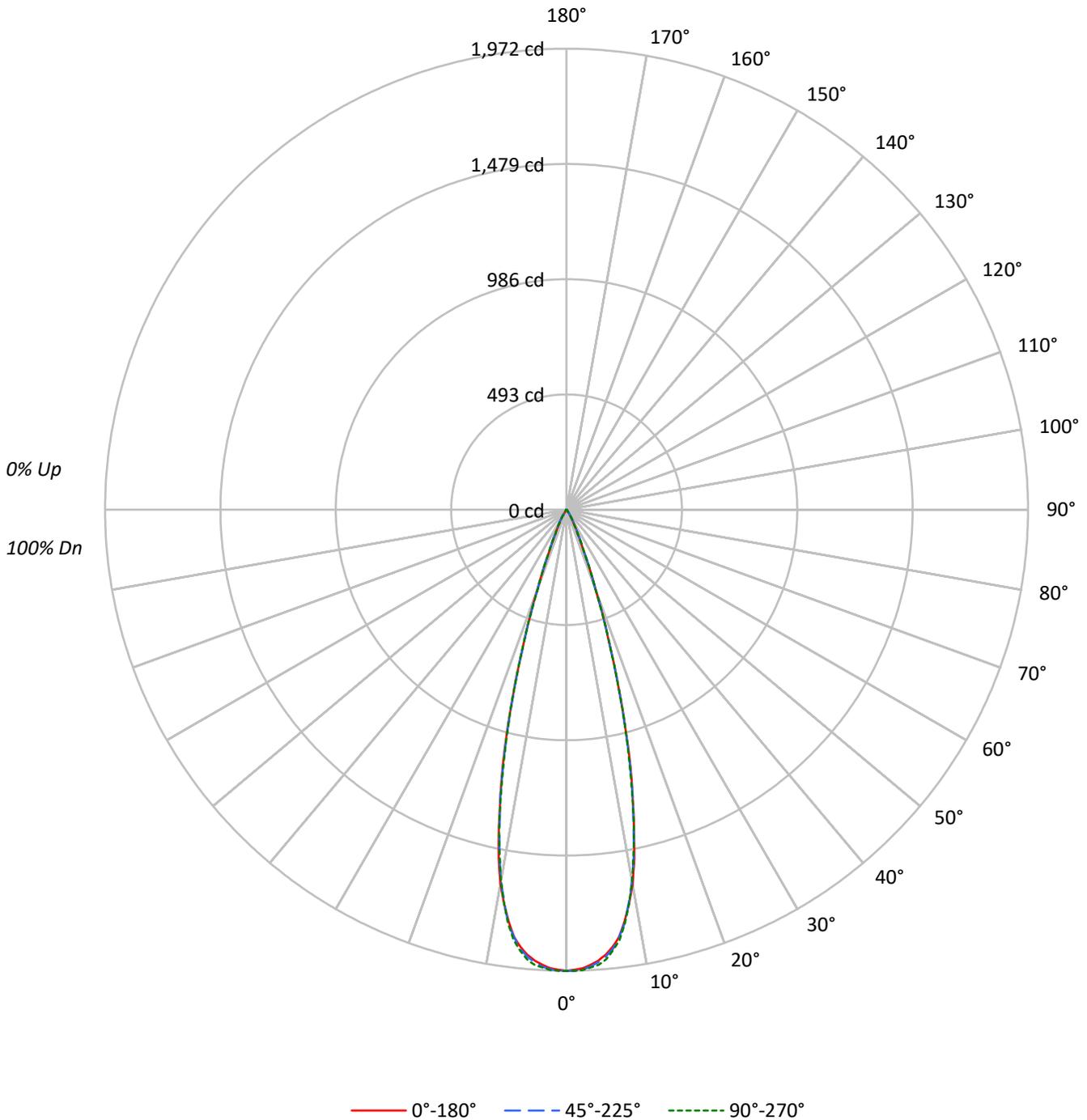
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 513.0 lumens
Efficiency: N/A
Efficacy: 87.0 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			0	
RW	70	50	30	10	70	50	30	10	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	102	102	102	100
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	98	98	98	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	98	96	95	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	95	93	92	91
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	93	91	89	88
5	102	96	92	89	100	95	91	89	93	90	88	92	89	87	91	88	86	91	88	86	85
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	88	86	84	83
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	86	84	82	81
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	84	81	79	78
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	82	79	77	76
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	80	77	75	74

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	339709	339709	339709
5°	330392	331827	333884
10°	284109	281696	281958
15°	174572	173163	173306
20°	66437	66584	65356
25°	21131	22252	21207
30°	8492	10540	8730
35°	2754	4667	2754
40°	1237	2046	1237
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°	174.0	33.9
10°-20°	258.1	50.3
20°-30°	64.1	12.5
30°-40°	12.8	2.5
40°-50°	2.3	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°	496.2	96.7
0°-40°	509.0	99.2
0°-60°	512.1	99.8
0°-90°	513.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	513.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1972	1972	1972	1972	1972	
5°	1911	1918	1919	1922	1931	174
15°	979	981	971	974	972	259
25°	111	114	117	116	112	62
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°	1972.5	1972.5	1972.5	1972.5	1972.5
1°	1968.1	1970.5	1972.1	1972.1	1972.1
2°	1962.6	1964.2	1966.5	1966.9	1970.1
3°	1949.5	1953.1	1957.0	1959.4	1961.0
4°	1933.7	1938.4	1940.8	1946.8	1951.9
5°	1911.1	1917.5	1919.4	1922.2	1931.3
6°	1880.7	1885.4	1889.4	1890.6	1896.1
7°	1840.3	1842.7	1841.9	1843.9	1853.7
8°	1779.0	1779.7	1786.5	1782.1	1788.8
9°	1706.1	1703.0	1701.4	1704.5	1704.9
10°	1624.6	1613.9	1610.8	1608.0	1612.3
11°	1518.9	1505.1	1506.3	1505.5	1499.1
12°	1387.5	1386.0	1375.7	1377.6	1387.1
13°	1253.4	1256.1	1254.2	1256.5	1245.9
14°	1127.5	1114.1	1117.6	1104.2	1109.3
15°	979.1	981.1	971.2	974.4	972.0
17.5°	626.9	631.2	628.1	625.3	629.7
20°	362.5	362.1	363.3	359.7	356.6
22.5°	190.8	193.5	197.1	197.5	199.9
25°	111.2	113.6	117.1	115.6	111.6
27.5°	68.1	72.4	78.0	74.0	69.3
30°	42.7	46.3	53.0	46.7	43.9
32.5°	24.1	29.3	34.8	29.3	24.1
35°	13.1	17.0	22.2	16.6	13.1
37.5°	8.7	9.9	14.6	9.9	8.7
40°	5.5	6.7	9.1	6.7	5.5
42.5°	3.2	4.4	5.1	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)