

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: P1324698

Luminaire Tested: LDSQA3D05R30W2N902750DE010 3LSQCDR1MB_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324698
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R30W2N902750DE010 3LSQCDR1MB_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 2700K CCT AND, 90CRI ,
3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

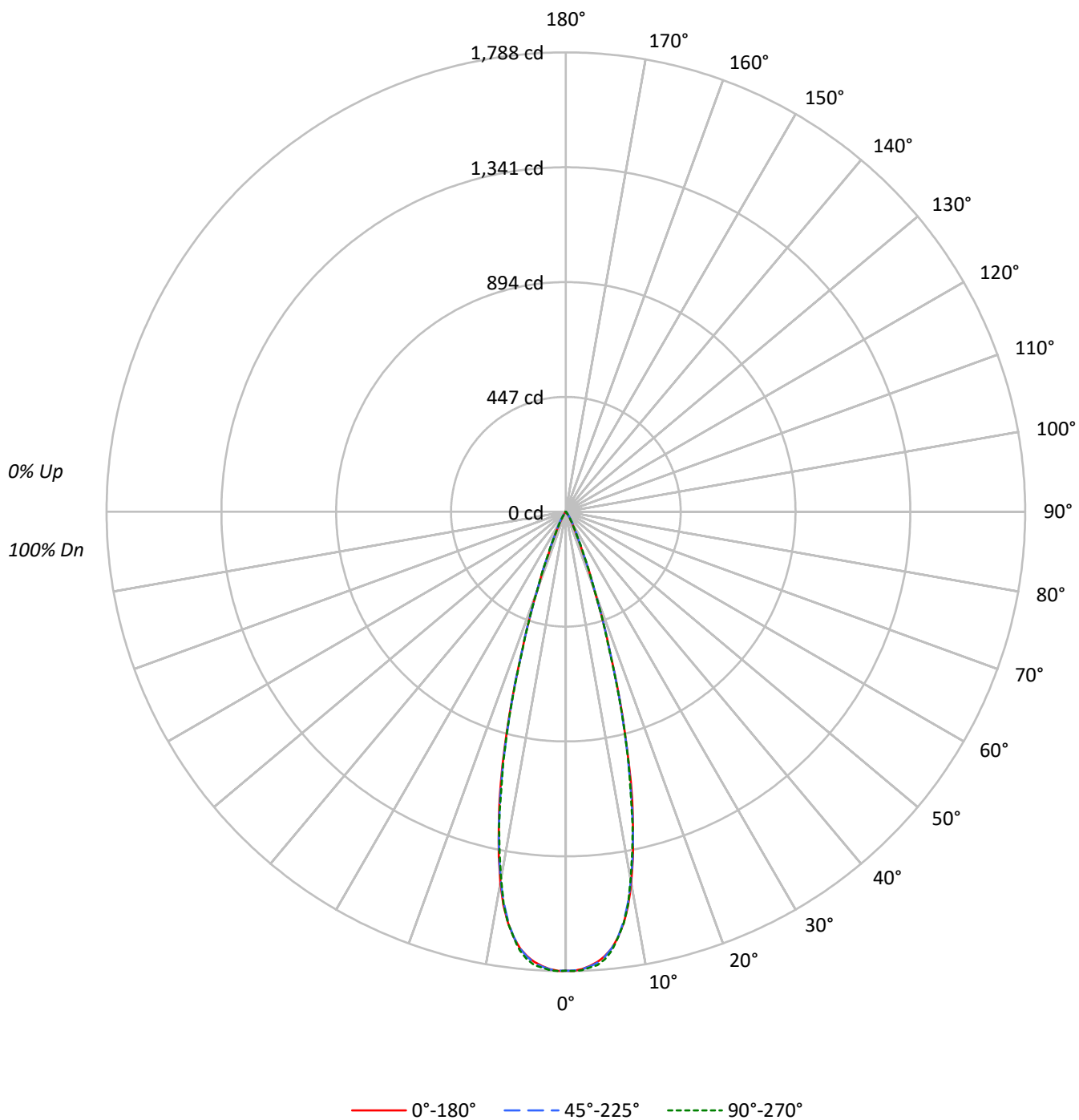
Lumens per Lamp: N/A
Luminaire Lumens: 461.0 lumens
Efficiency: N/A
Efficacy: 78.1 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	99
1	115	113	111	110	113	111	109	108	107	106	105	103	102	101	100	99	99	97	96	95
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	96	95	94	93	92
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	91	90	89
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	88	87	86
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	86	85	84
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	83	82	81
7	96	90	86	83	95	90	86	83	89	85	83	87	85	82	87	84	82	81	80	79
8	94	88	83	81	93	87	83	81	86	83	80	85	82	80	84	82	80	79	78	77
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	76	75
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	75	74	73

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	307693	307693	307693
5°	300190	300553	302230
10°	256391	255184	253680
15°	158222	156367	156938
20°	59803	60133	60059
25°	18395	20162	19212
30°	7418	9406	7696
35°	2187	3995	2271
40°	877	1619	877
45°	170	536	170
50°	0	107	0
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: 45°

Vertical Angle: 45°

Luminance: 536 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.6	34.2
10°-20°	233.3	50.6
20°-30°	57.9	12.6
30°-40°	10.9	2.4
40°-50°	1.4	0.3
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°	448.8	97.3
0°-40°	459.6	99.7
0°-60°	461.0	100.0
0°-90°	461.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	461.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1787	1787	1787	1787	1787	
5°	1736	1736	1738	1741	1748	158
15°	887	879	877	884	880	234
25°	97	103	106	106	101	56
35°	10	14	19	14	11	9
45°	1	1	2	1	1	1
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1786.6	1786.6	1786.6	1786.6	1786.6
1°	1787.3	1785.9	1785.9	1783.7	1787.7
2°	1780.9	1779.4	1781.9	1780.1	1785.2
3°	1771.2	1769.4	1773.0	1774.0	1776.6
4°	1756.8	1755.4	1759.3	1761.5	1768.3
5°	1736.4	1735.7	1738.5	1741.4	1748.2
6°	1708.4	1707.4	1709.1	1712.7	1717.0
7°	1667.9	1665.8	1667.2	1667.9	1669.0
8°	1616.6	1613.4	1611.6	1615.6	1617.7
9°	1550.7	1547.1	1543.1	1541.7	1546.7
10°	1466.1	1460.7	1459.2	1455.7	1450.6
11°	1367.8	1363.5	1362.4	1356.0	1353.1
12°	1255.2	1253.1	1255.6	1251.7	1250.2
13°	1147.3	1133.7	1131.9	1124.4	1120.4
14°	1019.7	1007.1	1006.8	1002.8	1008.2
15°	887.4	878.8	877.0	883.8	880.2
17.5°	565.8	571.5	570.1	566.5	560.4
20°	326.3	322.3	328.1	329.5	327.7
22.5°	173.9	175.3	176.4	180.7	183.6
25°	96.8	103.3	106.1	105.8	101.1
27.5°	60.2	64.2	69.6	66.0	62.0
30°	37.3	40.5	47.3	40.9	38.7
32.5°	20.1	25.5	30.5	25.5	20.8
35°	10.4	13.6	19.0	14.0	10.8
37.5°	6.8	7.9	12.2	7.9	6.8
40°	3.9	5.0	7.2	5.0	3.9
42.5°	1.8	2.9	3.9	2.9	1.8
45°	0.7	1.1	2.2	1.4	0.7
47.5°	0.0	0.4	1.1	0.4	0.0
50°	0.0	0.0	0.4	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
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



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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)