

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: CORELITE

Report Number: P1435847

Luminaire Tested: SQ2W-FA-K-125U-100D-L830-UNV-STD-W-WM-4

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1435847
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2502-345-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-FA-K-125U-100D-L830-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS ASYMMETRIC ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1000 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

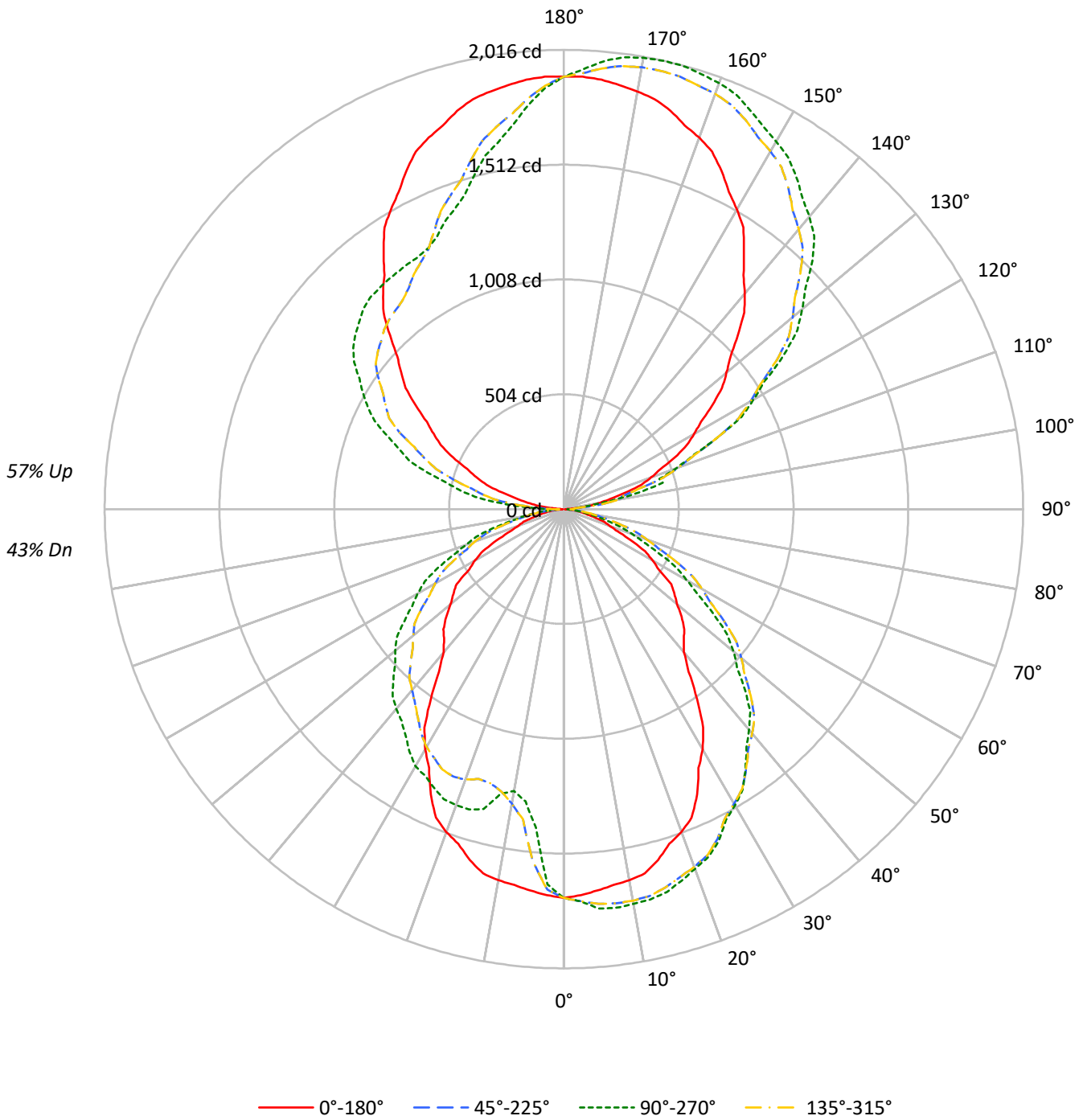
Lumens per Lamp: N/A
Luminaire Lumens: 9789.5 lumens
Efficiency: N/A
Efficacy: 120.0 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.23 / 1.34
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 81.6
Input Voltage (V): 120
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	0
RCR																		
0	106	106	106	106	97	97	97	97	80	80	80	64	64	64	50	50	50	43
1	96	92	88	85	88	84	81	78	70	68	66	57	55	54	44	43	42	37
2	88	80	74	69	80	74	69	64	61	58	54	50	47	45	39	37	36	31
3	80	71	64	58	73	65	59	54	54	49	46	44	41	38	35	32	30	26
4	73	63	55	49	67	58	51	45	48	43	39	39	35	32	31	28	26	22
5	67	56	48	42	61	51	44	39	43	38	33	35	31	28	28	25	23	19
6	62	50	42	36	56	46	39	34	39	33	29	32	28	25	25	22	20	17
7	57	45	37	32	52	42	35	30	35	30	26	29	25	22	23	20	18	15
8	53	41	33	28	48	38	31	26	32	26	23	26	22	19	21	18	16	13
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	17	14	12
10	46	34	27	22	42	32	25	21	27	22	18	22	18	16	18	15	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	27560	27560	27560	27560
5°	27238	28525	27238	22734
10°	27118	28855	27118	20610
15°	26652	29086	26652	22783
20°	25919	28876	25919	23759
25°	24634	28642	24634	24044
30°	22696	28000	22696	24300
35°	20083	27385	20083	23865
40°	17291	26634	17291	24124
45°	17070	25683	17070	24171
50°	16287	24430	16287	24264
55°	16203	22536	16203	24025
60°	14528	20082	14528	23928
65°	12386	17692	12386	23255
70°	9994	14993	9994	21550
75°	8665	12383	8665	19812
80°	7382	9223	7382	15992
85°	4909	4909	4909	9800

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 26489 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.6	1.6
10°-20°	429.2	4.4
20°-30°	651.8	6.7
30°-40°	765.2	7.8
40°-50°	776.5	7.9
50°-60°	680.2	6.9
60°-70°	482.4	4.9
70°-80°	248.4	2.5
80°-90°	59.9	0.6
90°-100°	151.1	1.5
100°-110°	440.5	4.5
110°-120°	719.0	7.3
120°-130°	912.3	9.3
130°-140°	976.2	10.0
140°-150°	911.5	9.3
150°-160°	750.1	7.7
160°-170°	503.1	5.1
170°-180°	178.6	1.8
0°-30°	1234.5	12.6
0°-40°	1999.7	20.4
0°-60°	3456.4	35.3
0°-90°	4247.1	43.4
90°-120°	1310.6	13.4
90°-150°	4110.6	42.0
90°-180°	5542.0	56.6
0°-180°	9789.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1707	1707	1707	1707	1707	
5°	1681	1760	1681	1403	1681	160
15°	1594	1740	1594	1363	1594	448
25°	1383	1608	1383	1350	1383	631
35°	1019	1389	1019	1211	1019	635
45°	748	1125	748	1059	748	572
55°	576	801	576	854	576	498
65°	324	463	324	609	324	324
75°	139	198	139	318	139	150
85°	26	26	26	53	26	33
90°	6	42	6	82	6	5
95°	59	44	59	259	59	72
105°	280	449	280	617	280	298
115°	537	744	537	916	537	529
125°	794	1179	794	1124	794	710
135°	1080	1544	1080	1244	1080	834
145°	1379	1779	1379	1271	1379	863
155°	1637	1933	1637	1319	1637	753
165°	1810	2015	1810	1519	1810	510
175°	1892	1973	1892	1781	1892	180
180°	1898	1898	1898	1898	1898	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0
2.5°	1696.4	1708.2	1720.0	1722.9	1722.9	1722.9	1722.9	1722.9	1722.9	1722.9	1722.9
5°	1680.6	1701.1	1721.7	1731.3	1737.2	1741.6	1744.5	1748.2	1754.1	1760.0	1754.1
7.5°	1664.7	1692.3	1720.0	1733.5	1742.3	1749.4	1754.7	1759.4	1762.3	1765.2	1762.3
10°	1654.1	1686.4	1718.8	1733.5	1742.3	1748.2	1751.1	1754.1	1757.0	1760.0	1757.0
12.5°	1638.2	1672.9	1707.6	1724.7	1735.8	1742.9	1745.8	1748.8	1751.7	1754.7	1751.7
15°	1594.5	1641.6	1688.6	1707.0	1715.8	1723.2	1729.1	1734.2	1737.2	1740.1	1737.2
17.5°	1540.3	1597.3	1654.4	1677.5	1689.2	1697.8	1703.1	1707.6	1710.0	1712.3	1710.0
20°	1508.5	1570.3	1632.0	1656.3	1668.1	1675.4	1678.4	1680.6	1680.6	1680.6	1680.6
22.5°	1466.2	1535.0	1603.8	1629.8	1641.6	1647.8	1648.4	1649.4	1651.7	1654.1	1651.7
25°	1382.8	1462.2	1541.6	1574.7	1592.3	1599.7	1596.7	1596.0	1601.9	1607.8	1601.9
27.5°	1280.9	1380.9	1480.9	1514.7	1526.5	1533.8	1536.8	1539.0	1539.0	1539.0	1539.0
30°	1217.4	1329.2	1440.9	1477.7	1489.4	1496.8	1499.7	1501.9	1501.9	1501.9	1501.9
32.5°	1138.0	1270.9	1403.8	1444.1	1453.5	1458.5	1459.1	1459.6	1459.6	1459.6	1459.6
35°	1018.9	1180.7	1342.4	1387.2	1393.1	1396.1	1396.1	1395.3	1392.4	1389.4	1392.4
37.5°	899.8	1083.3	1266.8	1319.3	1328.1	1330.5	1326.4	1322.5	1319.6	1316.7	1319.6
40°	820.4	1020.4	1220.4	1277.0	1285.8	1285.8	1277.0	1269.6	1266.7	1263.7	1266.7
42.5°	778.1	975.7	1173.3	1229.3	1238.1	1237.0	1225.8	1216.7	1213.7	1210.8	1213.7
45°	747.6	924.1	1100.5	1151.2	1160.1	1158.6	1146.8	1136.5	1130.7	1124.8	1130.7
47.5°	701.3	856.6	1011.9	1061.7	1076.4	1074.9	1057.3	1042.6	1036.7	1030.8	1036.7
50°	648.4	801.3	954.2	1003.5	1018.2	1016.7	999.1	984.4	978.5	972.6	978.5
52.5°	611.4	754.9	898.4	943.5	955.8	952.0	932.0	915.6	909.7	903.8	909.7
55°	575.6	696.2	816.8	853.5	862.3	856.5	835.9	818.2	809.4	800.6	809.4
57.5°	492.3	606.9	721.6	757.4	766.8	759.7	736.2	716.0	706.0	696.0	706.0
60°	449.9	552.8	655.8	690.3	702.1	696.2	672.7	651.3	636.6	621.9	636.6
62.5°	402.3	493.4	584.6	619.7	636.2	632.7	609.1	587.8	573.1	558.4	573.1
65°	324.2	403.6	483.0	518.3	538.9	537.4	513.9	492.6	477.8	463.1	477.8
67.5°	254.1	322.3	390.5	425.2	448.7	447.6	421.7	399.3	387.6	375.8	387.6
70°	211.7	270.5	329.3	361.7	385.2	385.2	361.7	341.1	329.3	317.6	329.3
72.5°	185.3	230.0	274.7	305.2	331.1	331.1	305.2	283.5	274.1	264.7	274.1
75°	138.9	165.4	191.9	220.5	250.0	252.9	229.4	210.3	204.4	198.5	204.4
77.5°	100.6	112.9	125.3	147.8	173.6	176.6	156.6	141.0	138.6	136.3	138.6
80°	79.4	82.3	85.3	103.7	127.2	130.1	112.5	99.2	99.2	99.2	99.2
82.5°	52.9	55.9	58.8	71.9	88.4	90.1	77.2	66.9	64.5	62.2	64.5
85°	26.5	26.5	26.5	30.9	36.8	36.8	30.9	26.5	26.5	26.5	26.5
87.5°	6.4	8.0	9.9	13.2	16.7	17.1	14.7	13.3	13.7	13.7	13.7
90°	5.8	13.4	23.0	30.7	36.4	38.3	38.3	40.3	42.2	42.2	42.2
92.5°	21.1	33.4	33.7	33.7	41.0	44.5	47.6	47.9	49.9	49.9	49.9
95°	59.4	65.2	97.8	95.9	65.2	51.8	44.1	44.1	44.1	44.1	44.1
97.5°	113.5	121.9	127.3	170.6	180.2	174.1	141.9	119.3	106.6	100.9	106.6
100°	161.1	164.9	176.4	178.3	226.2	272.3	249.3	220.5	210.9	205.2	210.9
102.5°	208.6	210.9	228.5	236.6	247.7	273.8	353.6	344.7	338.2	337.1	338.2
105°	279.9	281.9	314.4	329.8	337.5	337.5	335.5	373.9	435.2	448.7	435.2
107.5°	356.2	365.1	403.4	444.4	453.3	455.6	445.6	439.8	437.5	439.1	437.5
110°	408.4	421.8	467.8	519.6	533.0	536.9	533.0	527.3	523.4	523.4	523.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	459.0	478.6	530.7	590.2	612.8	624.3	615.9	611.6	607.8	610.9	607.8
115°	536.9	565.6	634.6	696.0	742.0	747.8	745.9	745.9	743.9	743.9	743.9
117.5°	609.0	655.0	732.4	803.8	857.1	872.4	880.1	877.8	875.5	879.3	875.5
120°	659.6	713.3	801.5	882.0	933.8	956.8	964.4	960.6	964.4	960.6	964.4
122.5°	713.3	779.2	865.9	949.5	1010.5	1036.5	1045.7	1046.5	1047.3	1045.0	1047.3
125°	793.8	874.3	975.9	1062.2	1125.5	1156.2	1163.8	1165.8	1169.6	1179.2	1169.6
127.5°	875.1	966.4	1077.9	1161.2	1226.0	1263.2	1275.0	1279.3	1287.3	1291.5	1287.3
130°	931.8	1035.4	1148.5	1227.1	1290.4	1330.7	1351.7	1357.5	1367.1	1365.2	1367.1
132.5°	991.7	1099.8	1214.5	1296.1	1354.8	1398.1	1416.2	1432.7	1436.1	1438.8	1436.1
135°	1079.5	1196.4	1311.5	1392.0	1447.6	1489.8	1512.8	1528.1	1537.7	1543.5	1537.7
137.5°	1171.9	1295.4	1405.8	1477.5	1533.5	1569.9	1596.0	1612.1	1622.1	1626.7	1622.1
140°	1234.8	1353.7	1461.0	1535.8	1585.7	1622.1	1645.1	1664.3	1675.8	1675.8	1675.8
142.5°	1294.6	1411.9	1516.3	1591.0	1634.7	1668.1	1692.6	1707.2	1720.3	1720.3	1720.3
145°	1378.6	1495.5	1591.4	1666.2	1702.6	1733.3	1760.1	1771.6	1779.3	1779.3	1779.3
147.5°	1466.4	1569.9	1657.4	1729.1	1759.8	1795.8	1816.9	1826.1	1835.7	1831.5	1835.7
150°	1518.6	1614.4	1698.8	1765.9	1796.6	1831.1	1852.2	1859.8	1869.4	1863.7	1869.4
152.5°	1569.2	1660.4	1737.1	1799.6	1825.7	1860.2	1884.4	1892.1	1898.6	1894.4	1898.6
155°	1637.4	1718.0	1788.9	1846.4	1869.4	1902.0	1925.0	1934.6	1942.3	1932.7	1942.3
157.5°	1698.4	1767.8	1829.5	1882.5	1907.0	1935.0	1956.5	1968.4	1976.0	1971.8	1976.0
160°	1735.2	1798.5	1854.1	1903.9	1927.0	1951.9	1974.9	1988.3	1996.0	1990.2	1996.0
162.5°	1765.9	1823.0	1875.6	1920.8	1940.8	1962.6	1990.2	2002.1	2009.8	2002.5	2009.8
165°	1810.0	1856.0	1902.0	1940.4	1957.6	1974.9	2003.6	2017.1	2022.8	2015.1	2022.8
167.5°	1843.4	1878.6	1915.8	1948.8	1961.5	1978.3	2007.1	2018.2	2025.5	2015.9	2025.5
170°	1861.8	1892.4	1925.0	1951.9	1961.5	1976.8	2005.6	2015.1	2020.9	2011.3	2020.9
172.5°	1877.1	1900.1	1926.6	1950.3	1955.3	1967.6	1994.8	2004.4	2008.6	2000.6	2008.6
175°	1892.4	1905.9	1925.0	1940.4	1938.5	1946.1	1969.1	1976.8	1984.5	1973.0	1984.5
177.5°	1899.7	1905.9	1912.0	1921.2	1915.1	1915.1	1931.9	1936.5	1938.1	1931.9	1938.1
180°	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0
2.5°	1722.9	1722.9	1722.9	1722.9	1722.9	1720.0	1708.2	1696.4	1696.4	1696.4	1687.6
5°	1748.2	1744.5	1741.6	1737.2	1731.3	1721.7	1701.1	1680.6	1671.7	1662.9	1625.4
7.5°	1759.4	1754.7	1749.4	1742.3	1733.5	1720.0	1692.3	1664.7	1625.3	1585.9	1502.4
10°	1754.1	1751.1	1748.2	1742.3	1733.5	1718.8	1686.4	1654.1	1574.7	1495.3	1415.9
12.5°	1748.8	1745.8	1742.9	1735.8	1724.7	1707.6	1672.9	1638.2	1525.9	1413.5	1341.8
15°	1734.2	1729.1	1723.2	1715.8	1707.0	1688.6	1641.6	1594.5	1468.1	1341.7	1281.4
17.5°	1707.6	1703.1	1697.8	1689.2	1677.5	1654.4	1597.3	1540.3	1408.0	1275.6	1236.8
20°	1680.6	1678.4	1675.4	1668.1	1656.3	1632.0	1570.3	1508.5	1376.2	1243.9	1226.2
22.5°	1649.4	1648.4	1647.8	1641.6	1629.8	1603.8	1535.0	1466.2	1336.2	1206.2	1206.8
25°	1596.0	1596.7	1599.7	1592.3	1574.7	1541.6	1462.2	1382.8	1268.1	1153.5	1173.3
27.5°	1539.0	1536.8	1533.8	1526.5	1514.7	1480.9	1380.9	1280.9	1190.4	1099.8	1132.7
30°	1501.9	1499.7	1496.8	1489.4	1477.7	1440.9	1329.2	1217.4	1141.0	1064.5	1102.7
32.5°	1459.6	1459.1	1458.5	1453.5	1444.1	1403.8	1270.9	1138.0	1082.7	1027.4	1067.4
35°	1395.3	1396.1	1396.1	1393.1	1387.2	1342.4	1180.7	1018.9	995.4	971.9	1018.9
37.5°	1322.5	1326.4	1330.5	1328.1	1319.3	1266.8	1083.3	899.8	907.5	915.1	972.2
40°	1269.6	1277.0	1285.8	1285.8	1277.0	1220.4	1020.4	820.4	846.9	873.4	935.1
42.5°	1216.7	1225.8	1237.0	1238.1	1229.3	1173.3	975.7	778.1	806.9	835.7	899.8
45°	1136.5	1146.8	1158.6	1160.1	1151.2	1100.5	924.1	747.6	765.3	782.9	844.7
47.5°	1042.6	1057.3	1074.9	1076.4	1061.7	1011.9	856.6	701.3	714.3	727.2	790.4
50°	984.4	999.1	1016.7	1018.2	1003.5	954.2	801.3	648.4	666.0	683.7	749.9
52.5°	915.6	932.0	952.0	955.8	943.5	898.4	754.9	611.4	621.9	632.5	704.0
55°	818.2	835.9	856.5	862.3	853.5	816.8	696.2	575.6	566.8	558.0	630.8
57.5°	716.0	736.2	759.7	766.8	757.4	721.6	606.9	492.3	484.6	477.0	555.8
60°	651.3	672.7	696.2	702.1	690.3	655.8	552.8	449.9	435.2	420.5	502.8
62.5°	587.8	609.1	632.7	636.2	619.7	584.6	493.4	402.3	392.3	382.3	462.3
65°	492.6	513.9	537.4	538.9	518.3	483.0	403.6	324.2	330.1	336.0	408.0
67.5°	399.3	421.7	447.6	448.7	425.2	390.5	322.3	254.1	273.5	292.9	357.7
70°	341.1	361.7	385.2	385.2	361.7	329.3	270.5	211.7	238.2	264.7	324.2
72.5°	283.5	305.2	331.1	331.1	305.2	274.7	230.0	185.3	211.7	238.2	287.2
75°	210.3	229.4	252.9	250.0	220.5	191.9	165.4	138.9	165.4	191.9	229.4
77.5°	141.0	156.6	176.6	173.6	147.8	125.3	112.9	100.6	122.3	144.1	170.3
80°	99.2	112.5	130.1	127.2	103.7	85.3	82.3	79.4	94.1	108.8	127.9
82.5°	66.9	77.2	90.1	88.4	71.9	58.8	55.9	52.9	65.3	77.6	90.9
85°	26.5	30.9	36.8	36.8	30.9	26.5	26.5	26.5	32.3	38.2	44.1
87.5°	13.3	14.7	17.1	16.7	13.2	9.9	8.0	6.4	10.3	14.2	17.5
90°	40.3	38.3	38.3	36.4	30.7	23.0	13.4	5.8	13.4	21.1	34.5
92.5°	47.9	47.6	44.5	41.0	33.7	33.7	33.4	21.1	36.4	51.8	74.4
95°	44.1	44.1	51.8	65.2	95.9	97.8	65.2	59.4	84.4	118.9	149.6
97.5°	119.3	141.9	174.1	180.2	170.6	127.3	121.9	113.5	154.5	188.7	238.1
100°	220.5	249.3	272.3	226.2	178.3	176.4	164.9	161.1	205.2	237.8	285.7
102.5°	344.7	353.6	273.8	247.7	236.6	228.5	210.9	208.6	252.7	297.6	337.8
105°	373.9	335.5	337.5	337.5	329.8	314.4	281.9	279.9	329.8	381.6	431.4
107.5°	439.8	445.6	455.6	453.3	444.4	403.4	365.1	356.2	401.1	463.2	518.1
110°	527.3	533.0	536.9	533.0	519.6	467.8	421.8	408.4	448.7	513.9	573.3



TEST NUMBER: P1435847

CATALOG NUMBER: SQ2W-FA-K-125U-100D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	611.6	615.9	624.3	612.8	590.2	530.7	478.6	459.0	499.3	566.0	627.0
115°	745.9	745.9	747.8	742.0	696.0	634.6	565.6	536.9	571.4	632.7	699.8
117.5°	877.8	880.1	872.4	857.1	803.8	732.4	655.0	609.0	636.2	701.0	770.0
120°	960.6	964.4	956.8	933.8	882.0	801.5	713.3	659.6	680.7	743.9	813.0
122.5°	1046.5	1045.7	1036.5	1010.5	949.5	865.9	779.2	713.3	722.1	780.8	848.2
125°	1165.8	1163.8	1156.2	1125.5	1062.2	975.9	874.3	793.8	782.3	832.1	901.2
127.5°	1279.3	1275.0	1263.2	1226.0	1161.2	1077.9	966.4	875.1	849.4	880.8	944.1
130°	1357.5	1351.7	1330.7	1290.4	1227.1	1148.5	1035.4	931.8	895.4	914.6	970.2
132.5°	1432.7	1416.2	1398.1	1354.8	1296.1	1214.5	1099.8	991.7	941.4	949.9	993.2
135°	1528.1	1512.8	1489.8	1447.6	1392.0	1311.5	1196.4	1079.5	1010.5	1002.8	1027.7
137.5°	1612.1	1596.0	1569.9	1533.5	1477.5	1405.8	1295.4	1171.9	1084.8	1059.2	1068.7
140°	1664.3	1645.1	1622.1	1585.7	1535.8	1461.0	1353.7	1234.8	1137.0	1100.6	1094.8
142.5°	1707.2	1692.6	1668.1	1634.7	1591.0	1516.3	1411.9	1294.6	1190.7	1143.5	1130.1
145°	1771.6	1760.1	1733.3	1702.6	1666.2	1591.4	1495.5	1378.6	1275.0	1213.7	1184.9
147.5°	1826.1	1816.9	1795.8	1759.8	1729.1	1657.4	1569.9	1466.4	1360.2	1284.3	1247.1
150°	1859.8	1852.2	1831.1	1796.6	1765.9	1698.8	1614.4	1518.6	1416.9	1336.4	1288.5
152.5°	1892.1	1884.4	1860.2	1825.7	1799.6	1737.1	1660.4	1569.2	1466.0	1385.5	1336.0
155°	1934.6	1925.0	1902.0	1869.4	1846.4	1788.9	1718.0	1637.4	1549.2	1464.9	1409.3
157.5°	1968.4	1956.5	1935.0	1907.0	1882.5	1829.5	1767.8	1698.4	1621.3	1540.8	1484.0
160°	1988.3	1974.9	1951.9	1927.0	1903.9	1854.1	1798.5	1735.2	1664.3	1591.4	1530.1
162.5°	2002.1	1990.2	1962.6	1940.8	1920.8	1875.6	1823.0	1765.9	1702.6	1639.0	1582.2
165°	2017.1	2003.6	1974.9	1957.6	1940.4	1902.0	1856.0	1810.0	1756.3	1704.5	1658.5
167.5°	2018.2	2007.1	1978.3	1961.5	1948.8	1915.8	1878.6	1843.4	1801.6	1760.9	1722.6
170°	2015.1	2005.6	1976.8	1961.5	1951.9	1925.0	1892.4	1861.8	1829.2	1794.7	1764.0
172.5°	2004.4	1994.8	1967.6	1955.3	1950.3	1926.6	1900.1	1877.1	1849.1	1823.8	1799.3
175°	1976.8	1969.1	1946.1	1938.5	1940.4	1925.0	1905.9	1892.4	1875.2	1859.8	1846.4
177.5°	1936.5	1931.9	1915.1	1915.1	1921.2	1912.0	1905.9	1899.7	1892.1	1887.5	1882.9
180°	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2



TEST NUMBER: P1435847

CATALOG NUMBER: SQ2W-FA-K-125U-100D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0
2.5°	1675.9	1666.4	1659.4	1653.5	1651.1	1648.8	1651.1	1653.5	1659.4	1666.4	1675.9
5°	1578.4	1528.4	1475.4	1432.1	1417.4	1402.7	1417.4	1432.1	1475.4	1528.4	1578.4
7.5°	1404.1	1343.9	1321.5	1303.6	1298.9	1294.2	1298.9	1303.6	1321.5	1343.9	1404.1
10°	1336.5	1288.0	1270.3	1257.1	1257.1	1257.1	1257.1	1257.1	1270.3	1288.0	1336.5
12.5°	1283.6	1253.9	1252.7	1254.8	1266.5	1278.3	1266.5	1254.8	1252.7	1253.9	1283.6
15°	1243.1	1247.6	1294.6	1333.6	1348.3	1363.0	1348.3	1333.6	1294.6	1247.6	1243.1
17.5°	1229.2	1254.5	1312.7	1359.3	1371.1	1382.8	1371.1	1359.3	1312.7	1254.5	1229.2
20°	1246.8	1279.2	1323.3	1359.3	1371.1	1382.8	1371.1	1359.3	1323.3	1279.2	1246.8
22.5°	1250.9	1290.3	1325.0	1354.0	1365.8	1377.5	1365.8	1354.0	1325.0	1290.3	1250.9
25°	1238.0	1285.0	1314.5	1338.0	1343.9	1349.7	1343.9	1338.0	1314.5	1285.0	1238.0
27.5°	1206.8	1258.6	1288.0	1311.1	1315.2	1319.3	1315.2	1311.1	1288.0	1258.6	1206.8
30°	1179.2	1232.1	1261.5	1285.8	1294.6	1303.4	1294.6	1285.8	1261.5	1232.1	1179.2
32.5°	1139.2	1193.3	1229.8	1257.5	1259.3	1261.1	1259.3	1257.5	1229.8	1193.3	1139.2
35°	1089.5	1145.4	1186.5	1216.7	1213.7	1210.8	1213.7	1216.7	1186.5	1145.4	1089.5
37.5°	1045.7	1100.4	1136.2	1164.0	1167.6	1171.1	1167.6	1164.0	1136.2	1100.4	1045.7
40°	1008.6	1064.5	1102.7	1132.9	1138.7	1144.6	1138.7	1132.9	1102.7	1064.5	1008.6
42.5°	975.7	1032.7	1071.0	1101.1	1107.0	1112.9	1107.0	1101.1	1071.0	1032.7	975.7
45°	921.1	980.0	1021.1	1052.7	1055.7	1058.6	1055.7	1052.7	1021.1	980.0	921.1
47.5°	870.4	929.5	967.8	997.2	1000.1	1003.0	1000.1	997.2	967.8	929.5	870.4
50°	832.2	892.5	930.7	960.1	963.0	966.0	963.0	960.1	930.7	892.5	832.2
52.5°	795.7	858.4	891.9	917.8	920.7	923.6	920.7	917.8	891.9	858.4	795.7
55°	730.7	796.9	829.3	853.5	853.5	853.5	853.5	829.3	796.9	730.7	730.7
57.5°	663.4	731.3	759.6	781.6	785.1	788.7	785.1	781.6	759.6	731.3	663.4
60°	617.5	686.6	710.2	729.3	735.2	741.0	735.2	729.3	710.2	686.6	617.5
62.5°	572.2	639.0	662.5	681.0	684.6	688.1	684.6	681.0	662.5	639.0	572.2
65°	502.1	560.9	584.4	602.8	605.8	608.7	605.8	602.8	584.4	560.9	502.1
67.5°	437.7	485.9	502.4	515.3	517.7	520.0	517.7	515.3	502.4	485.9	437.7
70°	394.8	435.9	447.7	456.5	456.5	456.5	456.5	447.7	435.9	394.8	394.8
72.5°	343.6	377.7	389.5	398.9	401.2	403.6	401.2	398.9	389.5	377.7	343.6
75°	270.5	295.5	304.4	311.7	314.6	317.6	314.6	311.7	304.4	295.5	270.5
77.5°	197.9	214.4	219.7	224.4	227.3	230.2	227.3	224.4	219.7	214.4	197.9
80°	148.5	160.3	163.2	166.1	169.1	172.0	169.1	166.1	163.2	160.3	148.5
82.5°	104.4	112.6	115.6	117.9	118.5	119.1	118.5	117.9	115.6	112.6	104.4
85°	50.0	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	50.0
87.5°	19.4	22.1	24.8	26.3	27.8	27.1	27.8	26.3	24.8	22.1	19.4
90°	44.1	57.5	70.9	78.6	86.3	82.4	86.3	78.6	70.9	57.5	44.1
92.5°	88.6	111.2	127.7	141.5	147.6	146.9	147.6	141.5	127.7	111.2	88.6
95°	178.3	205.2	232.0	251.2	262.7	258.8	262.7	251.2	232.0	205.2	178.3
97.5°	275.0	311.0	340.9	358.9	370.4	378.1	370.4	358.9	340.9	311.0	275.0
100°	339.4	373.9	408.4	429.5	448.7	456.3	448.7	429.5	408.4	373.9	339.4
102.5°	391.5	436.8	474.4	497.0	513.1	520.8	513.1	497.0	474.4	436.8	391.5
105°	477.4	525.4	565.6	594.4	611.6	617.4	611.6	594.4	565.6	525.4	477.4
107.5°	563.3	612.8	650.0	681.8	702.9	715.2	702.9	681.8	650.0	612.8	563.3
110°	630.8	671.1	711.3	740.1	761.2	768.9	761.2	740.1	711.3	671.1	630.8



TEST NUMBER: P1435847

CATALOG NUMBER: SQ2W-FA-K-125U-100D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	687.6	732.4	772.7	801.5	825.6	836.4	825.6	801.5	772.7	732.4	687.6
115°	766.9	826.4	862.8	889.7	906.9	916.5	906.9	889.7	862.8	826.4	766.9
117.5°	832.9	895.0	934.9	955.6	963.7	970.6	963.7	955.6	934.9	895.0	832.9
120°	874.3	931.8	977.9	1004.7	1014.3	1018.1	1014.3	1004.7	977.9	931.8	874.3
122.5°	912.7	967.1	1011.6	1044.6	1060.3	1064.1	1060.3	1044.6	1011.6	967.1	912.7
125°	966.4	1018.1	1064.1	1096.7	1114.0	1123.6	1114.0	1096.7	1064.1	1018.1	966.4
127.5°	1013.1	1069.1	1111.3	1140.8	1157.7	1165.4	1157.7	1140.8	1111.3	1069.1	1013.1
130°	1039.2	1096.7	1138.9	1171.5	1186.8	1194.5	1186.8	1171.5	1138.9	1096.7	1039.2
132.5°	1059.2	1119.7	1163.5	1193.0	1209.9	1217.5	1209.9	1193.0	1163.5	1119.7	1059.2
135°	1083.3	1146.6	1192.6	1221.4	1236.7	1244.4	1236.7	1221.4	1192.6	1146.6	1083.3
137.5°	1104.4	1161.9	1209.9	1240.2	1254.0	1258.9	1254.0	1240.2	1209.9	1161.9	1104.4
140°	1119.7	1169.6	1217.5	1246.3	1261.6	1263.5	1261.6	1246.3	1217.5	1169.6	1119.7
142.5°	1139.7	1178.8	1220.6	1249.4	1264.7	1268.1	1264.7	1249.4	1220.6	1178.8	1139.7
145°	1175.3	1198.4	1227.1	1254.0	1267.4	1271.2	1267.4	1254.0	1227.1	1198.4	1175.3
147.5°	1220.2	1227.5	1242.5	1260.1	1273.1	1275.8	1273.1	1260.1	1242.5	1227.5	1220.2
150°	1254.0	1252.0	1257.8	1269.3	1280.8	1278.9	1280.8	1269.3	1257.8	1252.0	1254.0
152.5°	1292.3	1281.2	1280.8	1286.2	1291.5	1291.2	1291.5	1286.2	1280.8	1281.2	1292.3
155°	1357.5	1336.4	1324.9	1321.1	1321.1	1319.1	1321.1	1321.1	1324.9	1336.4	1357.5
157.5°	1429.2	1399.7	1382.4	1373.2	1370.5	1366.3	1370.5	1373.2	1382.4	1399.7	1429.2
160°	1478.3	1445.7	1428.4	1413.1	1407.3	1401.6	1407.3	1413.1	1428.4	1445.7	1478.3
162.5°	1524.3	1493.2	1474.5	1460.6	1454.9	1446.1	1454.9	1460.6	1474.5	1493.2	1524.3
165°	1599.1	1566.5	1545.4	1533.9	1526.2	1518.6	1526.2	1533.9	1545.4	1566.5	1599.1
167.5°	1673.9	1638.2	1624.4	1611.4	1604.1	1590.3	1604.1	1611.4	1624.4	1638.2	1673.9
170°	1719.9	1687.3	1679.6	1668.1	1654.7	1639.3	1654.7	1668.1	1679.6	1687.3	1719.9
172.5°	1759.8	1737.9	1730.2	1718.7	1714.5	1702.2	1714.5	1718.7	1730.2	1737.9	1759.8
175°	1817.7	1800.4	1800.4	1798.5	1792.7	1781.2	1792.7	1798.5	1800.4	1800.4	1817.7
177.5°	1866.0	1856.8	1862.9	1862.9	1861.4	1850.6	1861.4	1862.9	1862.9	1856.8	1866.0
180°	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2



TEST NUMBER: P1435847

CATALOG NUMBER: SQ2W-FA-K-125U-100D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1707.0	1707.0	1707.0	1707.0
2.5°	1687.6	1696.4	1696.4	1696.4
5°	1625.4	1662.9	1671.7	1680.6
7.5°	1502.4	1585.9	1625.3	1664.7
10°	1415.9	1495.3	1574.7	1654.1
12.5°	1341.8	1413.5	1525.9	1638.2
15°	1281.4	1341.7	1468.1	1594.5
17.5°	1236.8	1275.6	1408.0	1540.3
20°	1226.2	1243.9	1376.2	1508.5
22.5°	1206.8	1206.2	1336.2	1466.2
25°	1173.3	1153.5	1268.1	1382.8
27.5°	1132.7	1099.8	1190.4	1280.9
30°	1102.7	1064.5	1141.0	1217.4
32.5°	1067.4	1027.4	1082.7	1138.0
35°	1018.9	971.9	995.4	1018.9
37.5°	972.2	915.1	907.5	899.8
40°	935.1	873.4	846.9	820.4
42.5°	899.8	835.7	806.9	778.1
45°	844.7	782.9	765.3	747.6
47.5°	790.4	727.2	714.3	701.3
50°	749.9	683.7	666.0	648.4
52.5°	704.0	632.5	621.9	611.4
55°	630.8	558.0	566.8	575.6
57.5°	555.8	477.0	484.6	492.3
60°	502.8	420.5	435.2	449.9
62.5°	462.3	382.3	392.3	402.3
65°	408.0	336.0	330.1	324.2
67.5°	357.7	292.9	273.5	254.1
70°	324.2	264.7	238.2	211.7
72.5°	287.2	238.2	211.7	185.3
75°	229.4	191.9	165.4	138.9
77.5°	170.3	144.1	122.3	100.6
80°	127.9	108.8	94.1	79.4
82.5°	90.9	77.6	65.3	52.9
85°	44.1	38.2	32.3	26.5
87.5°	17.5	14.2	10.3	6.4
90°	34.5	21.1	13.4	5.8
92.5°	74.4	51.8	36.4	21.1
95°	149.6	118.9	84.4	59.4
97.5°	238.1	188.7	154.5	113.5
100°	285.7	237.8	205.2	161.1
102.5°	337.8	297.6	252.7	208.6
105°	431.4	381.6	329.8	279.9
107.5°	518.1	463.2	401.1	356.2
110°	573.3	513.9	448.7	408.4

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CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	627.0	566.0	499.3	459.0
115°	699.8	632.7	571.4	536.9
117.5°	770.0	701.0	636.2	609.0
120°	813.0	743.9	680.7	659.6
122.5°	848.2	780.8	722.1	713.3
125°	901.2	832.1	782.3	793.8
127.5°	944.1	880.8	849.4	875.1
130°	970.2	914.6	895.4	931.8
132.5°	993.2	949.9	941.4	991.7
135°	1027.7	1002.8	1010.5	1079.5
137.5°	1068.7	1059.2	1084.8	1171.9
140°	1094.8	1100.6	1137.0	1234.8
142.5°	1130.1	1143.5	1190.7	1294.6
145°	1184.9	1213.7	1275.0	1378.6
147.5°	1247.1	1284.3	1360.2	1466.4
150°	1288.5	1336.4	1416.9	1518.6
152.5°	1336.0	1385.5	1466.0	1569.2
155°	1409.3	1464.9	1549.2	1637.4
157.5°	1484.0	1540.8	1621.3	1698.4
160°	1530.1	1591.4	1664.3	1735.2
162.5°	1582.2	1639.0	1702.6	1765.9
165°	1658.5	1704.5	1756.3	1810.0
167.5°	1722.6	1760.9	1801.6	1843.4
170°	1764.0	1794.7	1829.2	1861.8
172.5°	1799.3	1823.8	1849.1	1877.1
175°	1846.4	1859.8	1875.2	1892.4
177.5°	1882.9	1887.5	1892.1	1899.7
180°	1898.2	1898.2	1898.2	1898.2

TEST NUMBER: P1435847
 CATALOG NUMBER: SQ2W-FA-K-125U-100D-L830-UNV-STD-W-WM-4

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	17.25	18.06	18.27	19.08	20.44	18.45	19.26	19.46	20.28	21.64
	3H	18.34	19.06	19.36	20.09	21.47	19.69	20.41	20.71	21.44	22.83
	4H	18.69	19.37	19.72	20.40	21.79	20.08	20.76	21.11	21.79	23.18
	6H	18.85	19.47	19.89	20.51	21.91	20.24	20.86	21.28	21.90	23.30
	8H	18.88	19.48	19.93	20.53	21.93	20.26	20.86	21.31	21.91	23.31
	12H	18.87	19.44	19.93	20.49	21.91	20.24	20.81	21.30	21.86	23.28
4H	2H	18.11	18.80	19.16	19.83	21.22	19.03	19.71	20.07	20.74	22.13
	3H	19.50	20.07	20.55	21.13	22.53	20.49	21.06	21.54	22.12	23.52
	4H	19.95	20.47	21.01	21.52	22.95	20.96	21.48	22.02	22.53	23.96
	6H	20.18	20.62	21.24	21.70	23.12	21.18	21.63	22.25	22.70	24.12
	8H	20.23	20.65	21.30	21.72	23.15	21.23	21.64	22.29	22.71	24.15
	12H	20.23	20.61	21.32	21.69	23.13	21.21	21.59	22.30	22.67	24.11
8H	4H	20.33	20.75	21.40	21.81	23.25	21.15	21.57	22.22	22.64	24.07
	6H	20.68	21.02	21.77	22.13	23.57	21.46	21.81	22.55	22.92	24.35
	8H	20.79	21.10	21.89	22.19	23.64	21.56	21.86	22.66	22.95	24.41
	12H	20.83	21.09	21.93	22.18	23.68	21.57	21.84	22.67	22.92	24.42
12H	4H	20.33	20.71	21.41	21.79	23.23	21.12	21.49	22.20	22.58	24.02
	6H	20.75	21.05	21.84	22.14	23.60	21.48	21.78	22.58	22.88	24.33
	8H	20.89	21.16	21.99	22.24	23.74	21.59	21.86	22.69	22.95	24.44