

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: P1427784

Luminaire Tested: SQ2W-F-K-125U-100D-L835-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427784
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-F-K-125U-100D-L835-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1000 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

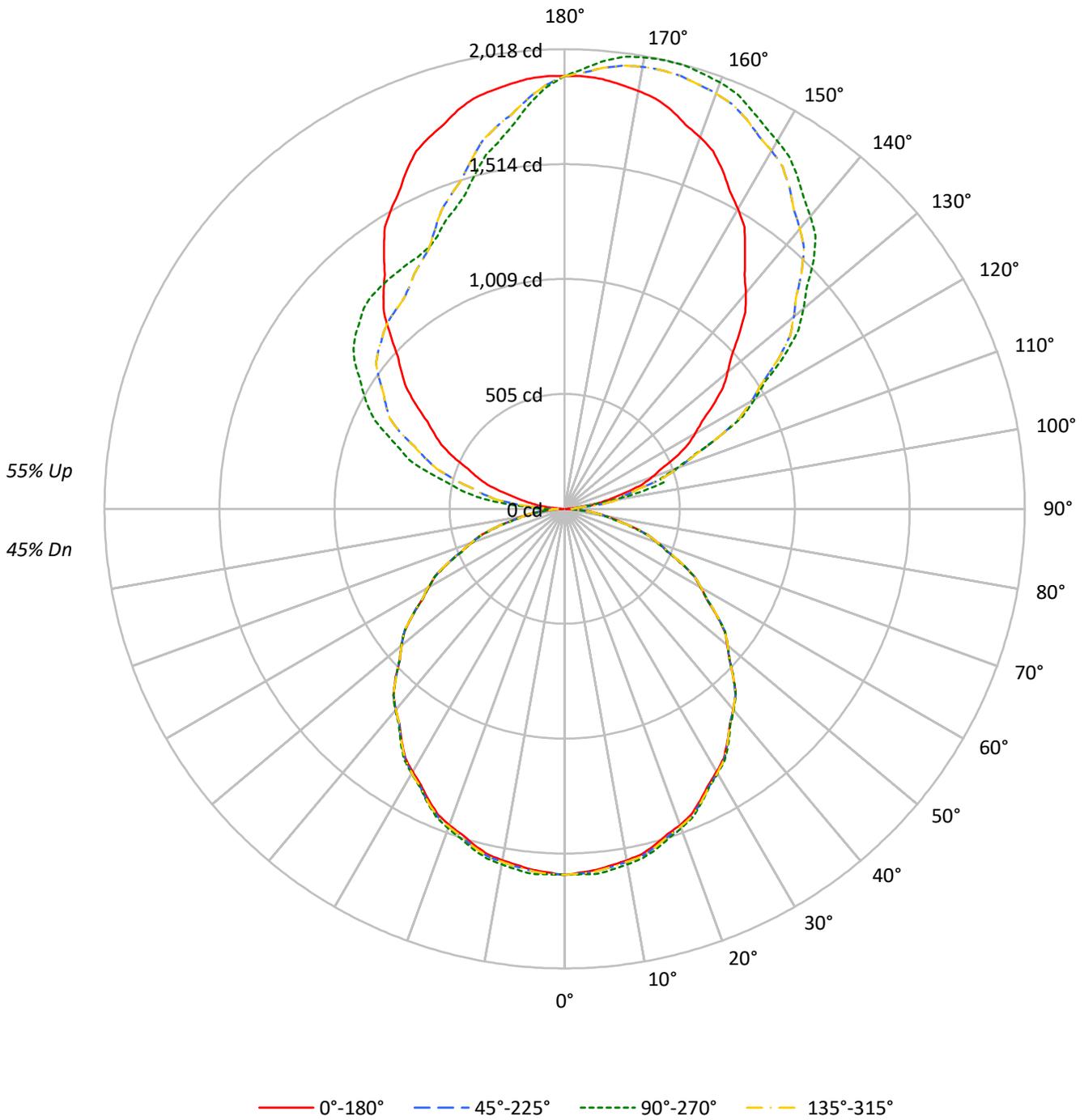
Lumens per Lamp: N/A
Luminaire Lumens: 10077.8 lumens
Efficiency: N/A
Efficacy: 123.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

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	50	30	10	0	
RCR																						
0	106	106	106	106	97	97	97	97	81	81	81	65	65	65	51	51	51	45				
1	97	92	88	85	88	85	81	78	70	68	66	57	56	54	45	44	43	38				
2	88	80	74	69	80	74	68	64	61	58	54	50	47	45	40	38	36	31				
3	80	70	63	57	73	65	58	53	54	49	45	44	41	38	35	33	31	26				
4	73	62	54	48	67	57	50	45	48	43	38	39	35	32	31	28	26	22				
5	67	55	47	41	61	51	44	38	43	37	33	35	31	28	28	25	23	19				
6	62	49	41	36	56	46	38	33	38	33	29	32	27	24	25	22	20	17				
7	57	45	37	31	52	41	34	29	35	29	25	29	25	21	23	20	18	15				
8	53	40	33	27	48	37	30	26	32	26	22	26	22	19	21	18	16	13				
9	49	37	29	24	45	34	27	23	29	24	20	24	20	17	20	16	14	12				
10	46	34	27	22	42	31	25	20	27	21	18	22	18	15	18	15	13	11				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	25946	25946	25946	25946
5°	25787	26081	25787	26081
10°	25697	25994	25697	25994
15°	25556	25877	25556	25877
20°	25395	25647	25395	25647
25°	25120	25341	25120	25341
30°	24853	25023	24853	25023
35°	24535	24693	24535	24693
40°	24257	24329	24257	24329
45°	23902	23902	23902	23902
50°	23423	23480	23423	23480
55°	22871	22905	22871	22905
60°	22255	22255	22255	22255
65°	21532	21444	21532	21444
70°	20516	20299	20516	20299
75°	19132	18708	19132	18708
80°	17043	16206	17043	16206
85°	13634	11523	13634	11523

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 24062 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.1	1.5
10°-20°	434.5	4.3
20°-30°	654.0	6.5
30°-40°	782.0	7.8
40°-50°	807.5	8.0
50°-60°	728.4	7.2
60°-70°	558.0	5.5
70°-80°	322.5	3.2
80°-90°	91.6	0.9
90°-100°	151.2	1.5
100°-110°	440.9	4.4
110°-120°	719.6	7.1
120°-130°	913.1	9.1
130°-140°	977.1	9.7
140°-150°	912.4	9.1
150°-160°	750.8	7.4
160°-170°	503.5	5.0
170°-180°	178.8	1.8
0°-30°	1240.5	12.3
0°-40°	2022.5	20.1
0°-60°	3558.4	35.3
0°-90°	4530.5	45.0
90°-120°	1311.8	13.0
90°-150°	4114.3	40.8
90°-180°	5547.0	55.0
0°-180°	10077.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1607	1607	1607	1607	1607	
5°	1591	1609	1591	1609	1591	151
15°	1529	1548	1529	1548	1529	431
25°	1410	1422	1410	1422	1410	650
35°	1245	1253	1245	1253	1245	779
45°	1047	1047	1047	1047	1047	807
55°	812	814	812	814	812	726
65°	564	561	564	561	564	557
75°	307	300	307	300	307	325
85°	74	62	74	62	74	86
90°	6	42	6	82	6	8
95°	60	44	60	259	60	72
105°	280	449	280	618	280	298
115°	537	745	537	917	537	530
125°	794	1180	794	1125	794	711
135°	1080	1545	1080	1246	1080	835
145°	1380	1781	1380	1272	1380	863
155°	1639	1934	1639	1320	1639	753
165°	1812	2017	1812	1520	1812	510
175°	1894	1975	1894	1783	1894	180
180°	1900	1900	1900	1900	1900	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0
2.5°	1598.8	1606.5	1614.1	1610.9	1604.0	1601.4	1603.0	1604.4	1605.3	1606.1	1605.3
5°	1591.1	1601.2	1611.2	1607.7	1599.7	1596.2	1597.2	1599.2	1604.2	1609.2	1604.2
7.5°	1578.2	1588.3	1598.3	1595.1	1587.5	1584.3	1585.5	1587.7	1592.9	1598.1	1592.9
10°	1567.4	1577.4	1587.5	1584.0	1575.9	1572.9	1574.9	1577.4	1581.4	1585.5	1581.4
12.5°	1553.8	1563.8	1573.9	1571.0	1563.7	1560.7	1561.9	1563.9	1568.4	1572.8	1568.4
15°	1528.9	1538.9	1549.0	1546.2	1539.2	1536.4	1537.9	1540.1	1544.1	1548.1	1544.1
17.5°	1498.8	1508.2	1517.7	1515.1	1508.6	1506.2	1507.9	1510.1	1513.6	1517.1	1513.6
20°	1478.0	1487.0	1496.1	1493.4	1486.9	1483.9	1484.4	1485.6	1489.1	1492.7	1489.1
22.5°	1452.6	1461.7	1470.7	1468.4	1462.2	1458.6	1457.5	1457.8	1462.1	1466.4	1462.1
25°	1410.1	1419.1	1428.2	1426.3	1420.7	1417.2	1415.7	1415.5	1419.0	1422.5	1419.0
27.5°	1365.7	1373.2	1380.8	1379.2	1374.6	1371.8	1370.7	1370.6	1373.1	1375.7	1373.1
30°	1333.1	1340.6	1348.2	1346.3	1341.3	1338.3	1337.3	1337.1	1339.6	1342.2	1339.6
32.5°	1298.7	1305.8	1313.0	1310.4	1304.6	1301.5	1301.3	1301.9	1304.8	1307.8	1304.8
35°	1244.8	1250.9	1256.9	1254.3	1248.7	1246.2	1246.7	1247.7	1250.2	1252.8	1250.2
37.5°	1190.7	1195.4	1200.0	1197.3	1192.2	1189.6	1189.5	1189.9	1192.0	1194.1	1192.0
40°	1150.9	1155.9	1161.0	1158.1	1152.5	1149.5	1149.0	1149.3	1151.8	1154.3	1151.8
42.5°	1110.2	1114.0	1117.8	1115.2	1110.5	1108.3	1108.6	1109.1	1110.4	1111.7	1110.4
45°	1046.8	1050.3	1053.8	1051.3	1046.8	1044.5	1044.5	1044.8	1045.8	1046.8	1045.8
47.5°	980.5	983.2	985.9	983.9	980.4	978.4	977.8	977.7	979.3	980.9	979.3
50°	932.5	936.0	939.5	937.8	934.3	932.0	931.0	930.7	932.7	934.8	932.7
52.5°	885.4	889.3	893.3	891.6	888.1	885.6	884.2	883.6	885.2	886.8	885.2
55°	812.5	817.1	821.6	820.5	817.4	814.9	812.9	811.7	812.7	813.7	812.7
57.5°	738.1	742.5	746.9	746.1	743.5	740.9	738.5	737.1	738.5	739.9	738.5
60°	689.2	693.2	697.2	696.0	693.0	690.4	688.4	687.2	688.2	689.2	688.2
62.5°	639.4	643.4	647.4	645.9	642.5	639.7	637.7	636.5	637.5	638.5	637.5
65°	563.6	567.1	570.6	569.2	566.2	563.7	561.7	560.3	560.8	561.3	560.8
67.5°	487.1	490.1	493.1	491.7	488.8	485.8	482.9	480.9	481.7	482.5	481.7
70°	434.6	437.6	440.6	439.5	436.9	434.4	431.9	430.0	430.0	430.0	430.0
72.5°	383.9	386.5	389.1	387.6	384.6	382.1	380.0	378.4	378.4	378.4	378.4
75°	306.7	308.2	309.7	308.9	307.4	305.4	302.9	300.9	300.4	299.9	300.4
77.5°	232.2	232.2	232.2	230.8	228.9	227.0	225.1	223.5	222.9	222.3	222.9
80°	183.3	183.3	183.3	182.2	180.7	179.2	177.7	176.3	175.3	174.3	175.3
82.5°	138.1	137.3	136.5	135.1	133.6	131.7	129.4	127.9	128.9	129.9	128.9
85°	73.6	72.6	71.5	70.2	68.7	66.9	64.9	63.2	62.7	62.2	62.7
87.5°	23.8	24.5	25.6	26.1	26.0	25.0	23.4	22.4	22.4	22.0	22.4
90°	5.8	13.4	23.0	30.7	36.5	38.4	38.4	40.3	42.2	42.2	42.2
92.5°	21.1	33.4	33.8	33.8	41.1	44.5	47.6	48.0	49.9	49.9	49.9
95°	59.5	65.2	97.9	96.0	65.2	51.8	44.1	44.1	44.1	44.1	44.1
97.5°	113.6	122.1	127.4	170.8	180.4	174.3	142.0	119.4	106.7	100.9	106.7
100°	161.2	165.0	176.6	178.5	226.5	272.5	249.5	220.7	211.1	205.3	211.1
102.5°	208.8	211.1	228.8	236.8	247.9	274.0	353.9	345.1	338.5	337.4	338.5
105°	280.2	282.1	314.7	330.1	337.8	337.8	335.8	374.2	435.6	449.1	435.6
107.5°	356.6	365.4	403.8	444.8	453.7	456.0	446.0	440.2	437.9	439.5	437.9
110°	408.8	422.2	468.3	520.1	533.5	537.3	533.5	527.8	523.9	523.9	523.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	459.4	479.0	531.2	590.7	613.3	624.9	616.4	612.2	608.4	611.4	608.4
115°	537.3	566.1	635.2	696.6	742.7	748.4	746.5	746.5	744.6	744.6	744.6
117.5°	609.5	655.6	733.1	804.5	857.8	873.2	880.9	878.6	876.3	880.1	876.3
120°	660.2	713.9	802.2	882.8	934.6	957.6	965.3	961.5	965.3	961.5	965.3
122.5°	713.9	779.9	866.7	950.3	1011.4	1037.5	1046.7	1047.4	1048.2	1045.9	1048.2
125°	794.5	875.1	976.8	1063.2	1126.5	1157.2	1164.9	1166.8	1170.6	1180.2	1170.6
127.5°	875.9	967.2	1078.9	1162.2	1227.1	1264.3	1276.2	1280.4	1288.5	1292.7	1288.5
130°	932.7	1036.3	1149.5	1228.2	1291.6	1331.9	1353.0	1358.7	1368.3	1366.4	1368.3
132.5°	992.6	1100.8	1215.6	1297.3	1356.0	1399.4	1417.4	1433.9	1437.4	1440.1	1437.4
135°	1080.5	1197.5	1312.7	1393.3	1448.9	1491.1	1514.2	1529.5	1539.1	1544.9	1539.1
137.5°	1173.0	1296.5	1407.1	1478.9	1534.9	1571.4	1597.5	1613.6	1623.6	1628.2	1623.6
140°	1235.9	1354.9	1462.4	1537.2	1587.1	1623.6	1646.6	1665.8	1677.3	1677.3	1677.3
142.5°	1295.8	1413.2	1517.6	1592.5	1636.2	1669.6	1694.2	1708.8	1721.8	1721.8	1721.8
145°	1379.8	1496.9	1592.8	1667.7	1704.2	1734.9	1761.7	1773.2	1780.9	1780.9	1780.9
147.5°	1467.7	1571.4	1658.9	1730.6	1761.3	1797.4	1818.5	1827.7	1837.3	1833.1	1837.3
150°	1519.9	1615.9	1700.3	1767.5	1798.2	1832.7	1853.8	1861.5	1871.1	1865.4	1871.1
152.5°	1570.6	1661.9	1738.7	1801.3	1827.4	1861.9	1886.1	1893.8	1900.3	1896.1	1900.3
155°	1638.9	1719.5	1790.5	1848.1	1871.1	1903.7	1926.8	1936.4	1944.0	1934.4	1944.0
157.5°	1699.9	1769.4	1831.2	1884.2	1908.7	1936.8	1958.2	1970.1	1977.8	1973.6	1977.8
160°	1736.8	1800.1	1855.8	1905.7	1928.7	1953.6	1976.7	1990.1	1997.8	1992.0	1997.8
162.5°	1767.5	1824.7	1877.3	1922.5	1942.5	1964.4	1992.0	2003.9	2011.6	2004.3	2011.6
165°	1811.6	1857.7	1903.7	1942.1	1959.4	1976.7	2005.5	2018.9	2024.6	2017.0	2024.6
167.5°	1845.0	1880.3	1917.6	1950.6	1963.2	1980.1	2008.9	2020.0	2027.3	2017.7	2027.3
170°	1863.4	1894.1	1926.8	1953.6	1963.2	1978.6	2007.4	2017.0	2022.7	2013.1	2022.7
172.5°	1878.8	1901.8	1928.3	1952.1	1957.1	1969.4	1996.6	2006.2	2010.4	2002.4	2010.4
175°	1894.1	1907.6	1926.8	1942.1	1940.2	1947.9	1970.9	1978.6	1986.3	1974.7	1986.3
177.5°	1901.4	1907.6	1913.7	1922.9	1916.8	1916.8	1933.7	1938.3	1939.8	1933.7	1939.8
180°	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0
2.5°	1604.4	1603.0	1601.4	1604.0	1610.9	1614.1	1606.5	1598.8	1606.5	1614.1	1610.9
5°	1599.2	1597.2	1596.2	1599.7	1607.7	1611.2	1601.2	1591.1	1601.2	1611.2	1607.7
7.5°	1587.7	1585.5	1584.3	1587.5	1595.1	1598.3	1588.3	1578.2	1588.3	1598.3	1595.1
10°	1577.4	1574.9	1572.9	1575.9	1584.0	1587.5	1577.4	1567.4	1577.4	1587.5	1584.0
12.5°	1563.9	1561.9	1560.7	1563.7	1571.0	1573.9	1563.8	1553.8	1563.8	1573.9	1571.0
15°	1540.1	1537.9	1536.4	1539.2	1546.2	1549.0	1538.9	1528.9	1538.9	1549.0	1546.2
17.5°	1510.1	1507.9	1506.2	1508.6	1515.1	1517.7	1508.2	1498.8	1508.2	1517.7	1515.1
20°	1485.6	1484.4	1483.9	1486.9	1493.4	1496.1	1487.0	1478.0	1487.0	1496.1	1493.4
22.5°	1457.8	1457.5	1458.6	1462.2	1468.4	1470.7	1461.7	1452.6	1461.7	1470.7	1468.4
25°	1415.5	1415.7	1417.2	1420.7	1426.3	1428.2	1419.1	1410.1	1419.1	1428.2	1426.3
27.5°	1370.6	1370.7	1371.8	1374.6	1379.2	1380.8	1373.2	1365.7	1373.2	1380.8	1379.2
30°	1337.1	1337.3	1338.3	1341.3	1346.3	1348.2	1340.6	1333.1	1340.6	1348.2	1346.3
32.5°	1301.9	1301.3	1301.5	1304.6	1310.4	1313.0	1305.8	1298.7	1305.8	1313.0	1310.4
35°	1247.7	1246.7	1246.2	1248.7	1254.3	1256.9	1250.9	1244.8	1250.9	1256.9	1254.3
37.5°	1189.9	1189.5	1189.6	1192.2	1197.3	1200.0	1195.4	1190.7	1195.4	1200.0	1197.3
40°	1149.3	1149.0	1149.5	1152.5	1158.1	1161.0	1155.9	1150.9	1155.9	1161.0	1158.1
42.5°	1109.1	1108.6	1108.3	1110.5	1115.2	1117.8	1114.0	1110.2	1114.0	1117.8	1115.2
45°	1044.8	1044.5	1044.5	1046.8	1051.3	1053.8	1050.3	1046.8	1050.3	1053.8	1051.3
47.5°	977.7	977.8	978.4	980.4	983.9	985.9	983.2	980.5	983.2	985.9	983.9
50°	930.7	931.0	932.0	934.3	937.8	939.5	936.0	932.5	936.0	939.5	937.8
52.5°	883.6	884.2	885.6	888.1	891.6	893.3	889.3	885.4	889.3	893.3	891.6
55°	811.7	812.9	814.9	817.4	820.5	821.6	817.1	812.5	817.1	821.6	820.5
57.5°	737.1	738.5	740.9	743.5	746.1	746.9	742.5	738.1	742.5	746.9	746.1
60°	687.2	688.4	690.4	693.0	696.0	697.2	693.2	689.2	693.2	697.2	696.0
62.5°	636.5	637.7	639.7	642.5	645.9	647.4	643.4	639.4	643.4	647.4	645.9
65°	560.3	561.7	563.7	566.2	569.2	570.6	567.1	563.6	567.1	570.6	569.2
67.5°	480.9	482.9	485.8	488.8	491.7	493.1	490.1	487.1	490.1	493.1	491.7
70°	430.0	431.9	434.4	436.9	439.5	440.6	437.6	434.6	437.6	440.6	439.5
72.5°	378.4	380.0	382.1	384.6	387.6	389.1	386.5	383.9	386.5	389.1	387.6
75°	300.9	302.9	305.4	307.4	308.9	309.7	308.2	306.7	308.2	309.7	308.9
77.5°	223.5	225.1	227.0	228.9	230.8	232.2	232.2	232.2	232.2	232.2	230.8
80°	176.3	177.7	179.2	180.7	182.2	183.3	183.3	183.3	183.3	183.3	182.2
82.5°	127.9	129.4	131.7	133.6	135.1	136.5	137.3	138.1	137.3	136.5	135.1
85°	63.2	64.9	66.9	68.7	70.2	71.5	72.6	73.6	72.6	71.5	70.2
87.5°	22.4	23.4	25.0	26.0	26.1	25.6	24.5	23.8	24.5	25.2	26.8
90°	40.3	38.4	38.4	36.5	30.7	23.0	13.4	5.8	13.4	21.1	34.5
92.5°	48.0	47.6	44.5	41.1	33.8	33.8	33.4	21.1	36.5	51.8	74.5
95°	44.1	44.1	51.8	65.2	96.0	97.9	65.2	59.5	84.4	119.0	149.7
97.5°	119.4	142.0	174.3	180.4	170.8	127.4	122.1	113.6	154.7	188.8	238.4
100°	220.7	249.5	272.5	226.5	178.5	176.6	165.0	161.2	205.3	238.0	285.9
102.5°	345.1	353.9	274.0	247.9	236.8	228.8	211.1	208.8	252.9	297.8	338.1
105°	374.2	335.8	337.8	337.8	330.1	314.7	282.1	280.2	330.1	381.9	431.8
107.5°	440.2	446.0	456.0	453.7	444.8	403.8	365.4	356.6	401.5	463.7	518.5
110°	527.8	533.5	537.3	533.5	520.1	468.3	422.2	408.8	449.1	514.3	573.8



TEST NUMBER: P1427784

CATALOG NUMBER: SQ2W-F-K-125U-100D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	612.2	616.4	624.9	613.3	590.7	531.2	479.0	459.4	499.7	566.5	627.5
115°	746.5	746.5	748.4	742.7	696.6	635.2	566.1	537.3	571.9	633.3	700.5
117.5°	878.6	880.9	873.2	857.8	804.5	733.1	655.6	609.5	636.8	701.6	770.7
120°	961.5	965.3	957.6	934.6	882.8	802.2	713.9	660.2	681.3	744.6	813.7
122.5°	1047.4	1046.7	1037.5	1011.4	950.3	866.7	779.9	713.9	722.7	781.5	849.0
125°	1166.8	1164.9	1157.2	1126.5	1063.2	976.8	875.1	794.5	783.0	832.9	902.0
127.5°	1280.4	1276.2	1264.3	1227.1	1162.2	1078.9	967.2	875.9	850.2	881.6	945.0
130°	1358.7	1353.0	1331.9	1291.6	1228.2	1149.5	1036.3	932.7	896.2	915.4	971.1
132.5°	1433.9	1417.4	1399.4	1356.0	1297.3	1215.6	1100.8	992.6	942.3	950.7	994.1
135°	1529.5	1514.2	1491.1	1448.9	1393.3	1312.7	1197.5	1080.5	1011.4	1003.7	1028.6
137.5°	1613.6	1597.5	1571.4	1534.9	1478.9	1407.1	1296.5	1173.0	1085.8	1060.1	1069.7
140°	1665.8	1646.6	1623.6	1587.1	1537.2	1462.4	1354.9	1235.9	1138.0	1101.6	1095.8
142.5°	1708.8	1694.2	1669.6	1636.2	1592.5	1517.6	1413.2	1295.8	1191.8	1144.5	1131.1
145°	1773.2	1761.7	1734.9	1704.2	1667.7	1592.8	1496.9	1379.8	1276.2	1214.8	1186.0
147.5°	1827.7	1818.5	1797.4	1761.3	1730.6	1658.9	1571.4	1467.7	1361.4	1285.4	1248.2
150°	1861.5	1853.8	1832.7	1798.2	1767.5	1700.3	1615.9	1519.9	1418.2	1337.6	1289.6
152.5°	1893.8	1886.1	1861.9	1827.4	1801.3	1738.7	1661.9	1570.6	1467.3	1386.7	1337.2
155°	1936.4	1926.8	1903.7	1871.1	1848.1	1790.5	1719.5	1638.9	1550.6	1466.2	1410.5
157.5°	1970.1	1958.2	1936.8	1908.7	1884.2	1831.2	1769.4	1699.9	1622.8	1542.2	1485.4
160°	1990.1	1976.7	1953.6	1928.7	1905.7	1855.8	1800.1	1736.8	1665.8	1592.8	1531.4
162.5°	2003.9	1992.0	1964.4	1942.5	1922.5	1877.3	1824.7	1767.5	1704.2	1640.4	1583.6
165°	2018.9	2005.5	1976.7	1959.4	1942.1	1903.7	1857.7	1811.6	1757.9	1706.1	1660.0
167.5°	2020.0	2008.9	1980.1	1963.2	1950.6	1917.6	1880.3	1845.0	1803.2	1762.5	1724.1
170°	2017.0	2007.4	1978.6	1963.2	1953.6	1926.8	1894.1	1863.4	1830.8	1796.3	1765.6
172.5°	2006.2	1996.6	1969.4	1957.1	1952.1	1928.3	1901.8	1878.8	1850.8	1825.4	1800.9
175°	1978.6	1970.9	1947.9	1940.2	1942.1	1926.8	1907.6	1894.1	1876.9	1861.5	1848.1
177.5°	1938.3	1933.7	1916.8	1916.8	1922.9	1913.7	1907.6	1901.4	1893.8	1889.2	1884.6
180°	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9



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CATALOG NUMBER: SQ2W-F-K-125U-100D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0
2.5°	1604.0	1601.4	1603.0	1604.4	1605.3	1606.1	1605.3	1604.4	1603.0	1601.4	1604.0
5°	1599.7	1596.2	1597.2	1599.2	1604.2	1609.2	1604.2	1599.2	1597.2	1596.2	1599.7
7.5°	1587.5	1584.3	1585.5	1587.7	1592.9	1598.1	1592.9	1587.7	1585.5	1584.3	1587.5
10°	1575.9	1572.9	1574.9	1577.4	1581.4	1585.5	1581.4	1577.4	1574.9	1572.9	1575.9
12.5°	1563.7	1560.7	1561.9	1563.9	1568.4	1572.8	1568.4	1563.9	1561.9	1560.7	1563.7
15°	1539.2	1536.4	1537.9	1540.1	1544.1	1548.1	1544.1	1540.1	1537.9	1536.4	1539.2
17.5°	1508.6	1506.2	1507.9	1510.1	1513.6	1517.1	1513.6	1510.1	1507.9	1506.2	1508.6
20°	1486.9	1483.9	1484.4	1485.6	1489.1	1492.7	1489.1	1485.6	1484.4	1483.9	1486.9
22.5°	1462.2	1458.6	1457.5	1457.8	1462.1	1466.4	1462.1	1457.8	1457.5	1458.6	1462.2
25°	1420.7	1417.2	1415.7	1415.5	1419.0	1422.5	1419.0	1415.5	1415.7	1417.2	1420.7
27.5°	1374.6	1371.8	1370.7	1370.6	1373.1	1375.7	1373.1	1370.6	1370.7	1371.8	1374.6
30°	1341.3	1338.3	1337.3	1337.1	1339.6	1342.2	1339.6	1337.1	1337.3	1338.3	1341.3
32.5°	1304.6	1301.5	1301.3	1301.9	1304.8	1307.8	1304.8	1301.9	1301.3	1301.5	1304.6
35°	1248.7	1246.2	1246.7	1247.7	1250.2	1252.8	1250.2	1247.7	1246.7	1246.2	1248.7
37.5°	1192.2	1189.6	1189.5	1189.9	1192.0	1194.1	1192.0	1189.9	1189.5	1189.6	1192.2
40°	1152.5	1149.5	1149.0	1149.3	1151.8	1154.3	1151.8	1149.3	1149.0	1149.5	1152.5
42.5°	1110.5	1108.3	1108.6	1109.1	1110.4	1111.7	1110.4	1109.1	1108.6	1108.3	1110.5
45°	1046.8	1044.5	1044.5	1044.8	1045.8	1046.8	1045.8	1044.8	1044.5	1044.5	1046.8
47.5°	980.4	978.4	977.8	977.7	979.3	980.9	979.3	977.7	977.8	978.4	980.4
50°	934.3	932.0	931.0	930.7	932.7	934.8	932.7	930.7	931.0	932.0	934.3
52.5°	888.1	885.6	884.2	883.6	885.2	886.8	885.2	883.6	884.2	885.6	888.1
55°	817.4	814.9	812.9	811.7	812.7	813.7	812.7	811.7	812.9	814.9	817.4
57.5°	743.5	740.9	738.5	737.1	738.5	739.9	738.5	737.1	738.5	740.9	743.5
60°	693.0	690.4	688.4	687.2	688.2	689.2	688.2	687.2	688.4	690.4	693.0
62.5°	642.5	639.7	637.7	636.5	637.5	638.5	637.5	636.5	637.7	639.7	642.5
65°	566.2	563.7	561.7	560.3	560.8	561.3	560.8	560.3	561.7	563.7	566.2
67.5°	488.8	485.8	482.9	480.9	481.7	482.5	481.7	480.9	482.9	485.8	488.8
70°	436.9	434.4	431.9	430.0	430.0	430.0	430.0	430.0	431.9	434.4	436.9
72.5°	384.6	382.1	380.0	378.4	378.4	378.4	378.4	378.4	380.0	382.1	384.6
75°	307.4	305.4	302.9	300.9	300.4	299.9	300.4	300.9	302.9	305.4	307.4
77.5°	228.9	227.0	225.1	223.5	222.9	222.3	222.9	223.5	225.1	227.0	228.9
80°	180.7	179.2	177.7	176.3	175.3	174.3	175.3	176.3	177.7	179.2	180.7
82.5°	133.6	131.7	129.4	127.9	128.9	129.9	128.9	127.9	129.4	131.7	133.6
85°	68.7	66.9	64.9	63.2	62.7	62.2	62.7	63.2	64.9	66.9	68.7
87.5°	27.5	28.8	29.9	30.1	31.3	30.1	31.3	30.1	29.9	28.8	27.5
90°	44.1	57.6	71.0	78.7	86.4	82.5	86.4	78.7	71.0	57.6	44.1
92.5°	88.7	111.3	127.8	141.6	147.8	147.0	147.8	141.6	127.8	111.3	88.7
95°	178.5	205.3	232.2	251.4	262.9	259.1	262.9	251.4	232.2	205.3	178.5
97.5°	275.2	311.3	341.2	359.3	370.8	378.4	370.8	359.3	341.2	311.3	275.2
100°	339.7	374.2	408.8	429.9	449.1	456.7	449.1	429.9	408.8	374.2	339.7
102.5°	391.9	437.2	474.8	497.4	513.5	521.2	513.5	497.4	474.8	437.2	391.9
105°	477.9	525.8	566.1	594.9	612.2	617.9	612.2	594.9	566.1	525.8	477.9
107.5°	563.8	613.3	650.6	682.4	703.5	715.8	703.5	682.4	650.6	613.3	563.8
110°	631.4	671.7	712.0	740.8	761.9	769.6	761.9	740.8	712.0	671.7	631.4



TEST NUMBER: P1427784

CATALOG NUMBER: SQ2W-F-K-125U-100D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	688.2	733.1	773.4	802.2	826.4	837.1	826.4	802.2	773.4	733.1	688.2
115°	767.6	827.1	863.6	890.5	907.7	917.3	907.7	890.5	863.6	827.1	767.6
117.5°	833.7	895.8	935.8	956.5	964.5	971.4	964.5	956.5	935.8	895.8	833.7
120°	875.1	932.7	978.7	1005.6	1015.2	1019.0	1015.2	1005.6	978.7	932.7	875.1
122.5°	913.5	968.0	1012.5	1045.5	1061.3	1065.1	1061.3	1045.5	1012.5	968.0	913.5
125°	967.2	1019.0	1065.1	1097.7	1115.0	1124.6	1115.0	1097.7	1065.1	1019.0	967.2
127.5°	1014.1	1070.1	1112.3	1141.9	1158.7	1166.4	1158.7	1141.9	1112.3	1070.1	1014.1
130°	1040.1	1097.7	1139.9	1172.6	1187.9	1195.6	1187.9	1172.6	1139.9	1097.7	1040.1
132.5°	1060.1	1120.8	1164.5	1194.1	1210.9	1218.6	1210.9	1194.1	1164.5	1120.8	1060.1
135°	1084.3	1147.6	1193.7	1222.5	1237.8	1245.5	1237.8	1222.5	1193.7	1147.6	1084.3
137.5°	1105.4	1163.0	1210.9	1241.3	1255.1	1260.1	1255.1	1241.3	1210.9	1163.0	1105.4
140°	1120.8	1170.6	1218.6	1247.4	1262.8	1264.7	1262.8	1247.4	1218.6	1170.6	1120.8
142.5°	1140.7	1179.9	1221.7	1250.5	1265.8	1269.3	1265.8	1250.5	1221.7	1179.9	1140.7
145°	1176.4	1199.4	1228.2	1255.1	1268.5	1272.4	1268.5	1255.1	1228.2	1199.4	1176.4
147.5°	1221.3	1228.6	1243.6	1261.2	1274.3	1277.0	1274.3	1261.2	1243.6	1228.6	1221.3
150°	1255.1	1253.2	1258.9	1270.4	1282.0	1280.0	1282.0	1270.4	1258.9	1253.2	1255.1
152.5°	1293.5	1282.3	1282.0	1287.3	1292.7	1292.3	1292.7	1287.3	1282.0	1282.3	1293.5
155°	1358.7	1337.6	1326.1	1322.3	1322.3	1320.3	1322.3	1322.3	1326.1	1337.6	1358.7
157.5°	1430.5	1400.9	1383.7	1374.5	1371.8	1367.5	1371.8	1374.5	1383.7	1400.9	1430.5
160°	1479.6	1447.0	1429.7	1414.4	1408.6	1402.9	1408.6	1414.4	1429.7	1447.0	1479.6
162.5°	1525.7	1494.6	1475.8	1462.0	1456.2	1447.4	1456.2	1462.0	1475.8	1494.6	1525.7
165°	1600.5	1567.9	1546.8	1535.3	1527.6	1519.9	1527.6	1535.3	1546.8	1567.9	1600.5
167.5°	1675.4	1639.7	1625.9	1612.8	1605.5	1591.7	1605.5	1612.8	1625.9	1639.7	1675.4
170°	1721.4	1688.8	1681.1	1669.6	1656.2	1640.8	1656.2	1669.6	1681.1	1688.8	1721.4
172.5°	1761.3	1739.5	1731.8	1720.3	1716.1	1703.8	1716.1	1720.3	1731.8	1739.5	1761.3
175°	1819.3	1802.0	1802.0	1800.1	1794.4	1782.8	1794.4	1800.1	1802.0	1802.0	1819.3
177.5°	1867.7	1858.5	1864.6	1864.6	1863.1	1852.3	1863.1	1864.6	1864.6	1858.5	1867.7
180°	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9



TEST NUMBER: P1427784

CATALOG NUMBER: SQ2W-F-K-125U-100D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1607.0	1607.0	1607.0	1607.0
2.5°	1610.9	1614.1	1606.5	1598.8
5°	1607.7	1611.2	1601.2	1591.1
7.5°	1595.1	1598.3	1588.3	1578.2
10°	1584.0	1587.5	1577.4	1567.4
12.5°	1571.0	1573.9	1563.8	1553.8
15°	1546.2	1549.0	1538.9	1528.9
17.5°	1515.1	1517.7	1508.2	1498.8
20°	1493.4	1496.1	1487.0	1478.0
22.5°	1468.4	1470.7	1461.7	1452.6
25°	1426.3	1428.2	1419.1	1410.1
27.5°	1379.2	1380.8	1373.2	1365.7
30°	1346.3	1348.2	1340.6	1333.1
32.5°	1310.4	1313.0	1305.8	1298.7
35°	1254.3	1256.9	1250.9	1244.8
37.5°	1197.3	1200.0	1195.4	1190.7
40°	1158.1	1161.0	1155.9	1150.9
42.5°	1115.2	1117.8	1114.0	1110.2
45°	1051.3	1053.8	1050.3	1046.8
47.5°	983.9	985.9	983.2	980.5
50°	937.8	939.5	936.0	932.5
52.5°	891.6	893.3	889.3	885.4
55°	820.5	821.6	817.1	812.5
57.5°	746.1	746.9	742.5	738.1
60°	696.0	697.2	693.2	689.2
62.5°	645.9	647.4	643.4	639.4
65°	569.2	570.6	567.1	563.6
67.5°	491.7	493.1	490.1	487.1
70°	439.5	440.6	437.6	434.6
72.5°	387.6	389.1	386.5	383.9
75°	308.9	309.7	308.2	306.7
77.5°	230.8	232.2	232.2	232.2
80°	182.2	183.3	183.3	183.3
82.5°	135.1	136.5	137.3	138.1
85°	70.2	71.5	72.6	73.6
87.5°	26.8	25.2	24.5	23.8
90°	34.5	21.1	13.4	5.8
92.5°	74.5	51.8	36.5	21.1
95°	149.7	119.0	84.4	59.5
97.5°	238.4	188.8	154.7	113.6
100°	285.9	238.0	205.3	161.2
102.5°	338.1	297.8	252.9	208.8
105°	431.8	381.9	330.1	280.2
107.5°	518.5	463.7	401.5	356.6
110°	573.8	514.3	449.1	408.8



TEST NUMBER: P1427784

CATALOG NUMBER: SQ2W-F-K-125U-100D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	627.5	566.5	499.7	459.4
115°	700.5	633.3	571.9	537.3
117.5°	770.7	701.6	636.8	609.5
120°	813.7	744.6	681.3	660.2
122.5°	849.0	781.5	722.7	713.9
125°	902.0	832.9	783.0	794.5
127.5°	945.0	881.6	850.2	875.9
130°	971.1	915.4	896.2	932.7
132.5°	994.1	950.7	942.3	992.6
135°	1028.6	1003.7	1011.4	1080.5
137.5°	1069.7	1060.1	1085.8	1173.0
140°	1095.8	1101.6	1138.0	1235.9
142.5°	1131.1	1144.5	1191.8	1295.8
145°	1186.0	1214.8	1276.2	1379.8
147.5°	1248.2	1285.4	1361.4	1467.7
150°	1289.6	1337.6	1418.2	1519.9
152.5°	1337.2	1386.7	1467.3	1570.6
155°	1410.5	1466.2	1550.6	1638.9
157.5°	1485.4	1542.2	1622.8	1699.9
160°	1531.4	1592.8	1665.8	1736.8
162.5°	1583.6	1640.4	1704.2	1767.5
165°	1660.0	1706.1	1757.9	1811.6
167.5°	1724.1	1762.5	1803.2	1845.0
170°	1765.6	1796.3	1830.8	1863.4
172.5°	1800.9	1825.4	1850.8	1878.8
175°	1848.1	1861.5	1876.9	1894.1
177.5°	1884.6	1889.2	1893.8	1901.4
180°	1899.9	1899.9	1899.9	1899.9



TEST NUMBER: P1427784
 CATALOG NUMBER: SQ2W-F-K-125U-100D-L835-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	18.69	19.52	19.69	20.53	21.87	18.61	19.43	19.60	20.44	21.78
	3H	20.48	21.22	21.48	22.24	23.60	20.37	21.12	21.38	22.14	23.50
	4H	21.17	21.88	22.19	22.90	24.27	21.06	21.76	22.08	22.78	24.15
	6H	21.61	22.26	22.64	23.28	24.66	21.47	22.11	22.50	23.14	24.52
	8H	21.77	22.38	22.80	23.43	24.80	21.61	22.23	22.65	23.27	24.65
	12H	21.85	22.44	22.89	23.47	24.88	21.67	22.26	22.71	23.30	24.70
4H	2H	19.27	19.97	20.29	20.99	22.36	19.20	19.90	20.23	20.93	22.29
	3H	21.28	21.87	22.32	22.92	24.30	21.19	21.78	22.23	22.83	24.21
	4H	22.10	22.64	23.14	23.68	25.08	21.99	22.52	23.03	23.57	24.97
	6H	22.65	23.11	23.70	24.18	25.58	22.51	22.97	23.56	24.04	25.44
	8H	22.86	23.29	23.91	24.35	25.77	22.70	23.13	23.75	24.19	25.61
	12H	22.97	23.37	24.04	24.44	25.86	22.79	23.18	23.86	24.25	25.67
8H	4H	22.34	22.77	23.39	23.83	25.25	22.24	22.67	23.29	23.73	25.15
	6H	23.03	23.38	24.10	24.48	25.90	22.90	23.25	23.97	24.35	25.77
	8H	23.33	23.65	24.41	24.73	26.16	23.17	23.49	24.26	24.57	26.01
	12H	23.51	23.79	24.60	24.87	26.34	23.32	23.60	24.41	24.68	26.15
12H	4H	22.33	22.72	23.40	23.80	25.22	22.24	22.63	23.31	23.70	25.12
	6H	23.08	23.39	24.16	24.47	25.91	22.95	23.27	24.03	24.35	25.78
	8H	23.41	23.69	24.50	24.76	26.24	23.26	23.53	24.35	24.61	26.09