

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: P1428483

Luminaire Tested: SQ2W-PW1-K-150U-100D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428483
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PW1-K-150U-100D-L935-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE WAVES LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1000 LUMENS PER FOOT
UPLIGHT 1500 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

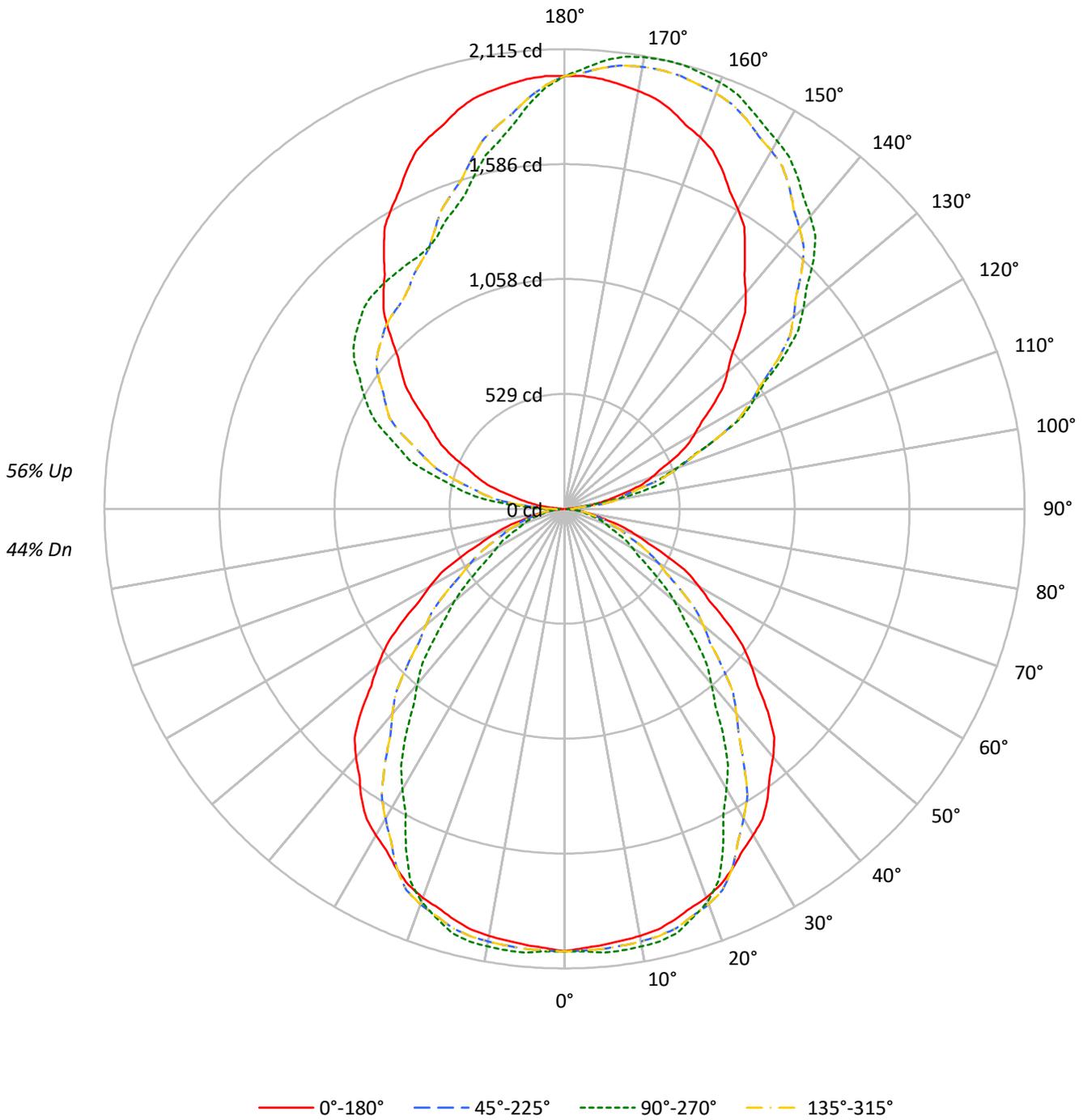
Lumens per Lamp: N/A
Luminaire Lumens: 10341.7 lumens
Efficiency: N/A
Efficacy: 111.6 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.11 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 92.7
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	80	80	80	65	65	65	50	50	50	44				
1	97	93	89	86	89	85	82	79	71	69	67	57	56	55	45	44	44	38				
2	89	82	76	71	81	75	70	66	63	59	56	51	49	46	40	39	37	33				
3	81	72	65	60	74	66	60	55	56	51	48	46	42	40	36	34	32	28				
4	74	64	57	51	68	59	53	47	50	45	41	41	37	34	33	30	28	25				
5	68	57	50	44	63	53	46	41	45	39	36	37	33	30	30	27	25	22				
6	63	52	44	38	58	48	41	36	40	35	31	33	30	27	27	24	22	19				
7	58	47	39	34	53	43	36	32	37	31	28	31	27	24	25	22	20	17				
8	54	42	35	30	50	39	33	28	33	28	25	28	24	21	23	20	18	15				
9	51	39	31	27	46	36	29	25	31	26	22	26	22	19	21	18	16	14				
10	47	36	29	24	43	33	27	23	28	23	20	24	20	17	20	17	15	13				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	32880	32880	32880	32880
5°	32661	33226	32661	33226
10°	32720	33516	32720	33516
15°	32711	33718	32711	33718
20°	32726	33059	32726	33059
25°	32549	30718	32549	30718
30°	32327	27771	32327	27771
35°	32074	25079	32074	25079
40°	31436	22156	31436	22156
45°	30204	19353	30204	19353
50°	28110	16565	28110	16565
55°	25714	13430	25714	13430
60°	23049	11586	23049	11586
65°	20156	10300	20156	10300
70°	16480	9337	16480	9337
75°	12826	8590	12826	8590
80°	9558	7578	9558	7578
85°	6465	4316	6465	4316

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 30204 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.9	1.9
10°-20°	561.9	5.4
20°-30°	826.9	8.0
30°-40°	904.1	8.7
40°-50°	811.1	7.8
50°-60°	605.0	5.9
60°-70°	382.4	3.7
70°-80°	189.4	1.8
80°-90°	52.6	0.5
90°-100°	158.5	1.5
100°-110°	462.2	4.5
110°-120°	754.2	7.3
120°-130°	957.1	9.3
130°-140°	1024.1	9.9
140°-150°	956.3	9.2
150°-160°	786.9	7.6
160°-170°	527.7	5.1
170°-180°	187.4	1.8
0°-30°	1582.7	15.3
0°-40°	2486.8	24.0
0°-60°	3902.8	37.7
0°-90°	4527.2	43.8
90°-120°	1374.9	13.3
90°-150°	4312.4	41.7
90°-180°	5814.0	56.2
0°-180°	10341.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2036	2036	2036	2036	2036	
5°	2015	2050	2015	2050	2015	192
15°	1957	2017	1957	2017	1957	553
25°	1827	1724	1827	1724	1827	841
35°	1627	1272	1627	1272	1627	1015
45°	1323	848	1323	848	1323	1014
55°	914	477	914	477	914	816
65°	528	270	528	270	528	523
75°	206	138	206	138	206	226
85°	35	23	35	23	35	44
90°	6	44	6	86	6	6
95°	62	46	62	272	62	75
105°	294	471	294	648	294	312
115°	563	780	563	962	563	555
125°	833	1237	833	1179	833	745
135°	1132	1619	1132	1306	1132	875
145°	1446	1867	1446	1334	1446	905
155°	1718	2028	1718	1384	1718	790
165°	1899	2114	1899	1593	1899	535
175°	1985	2070	1985	1869	1985	188
180°	1991	1991	1991	1991	1991	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2036.5	2036.5	2036.5	2036.5	2036.5	2036.5	2036.5	2036.5	2036.5	2036.5	2036.5
2.5°	2022.6	2034.3	2046.0	2043.3	2035.7	2032.2	2032.9	2034.0	2036.0	2038.1	2036.0
5°	2015.2	2029.9	2044.5	2042.4	2034.6	2031.2	2032.0	2034.6	2042.4	2050.1	2042.4
7.5°	2005.1	2020.0	2034.8	2034.1	2028.2	2026.8	2029.7	2033.8	2041.4	2049.0	2041.4
10°	1995.8	2011.3	2026.9	2026.9	2021.7	2021.2	2025.6	2030.5	2037.4	2044.3	2037.4
12.5°	1983.4	1999.6	2015.8	2017.0	2013.2	2013.8	2018.8	2024.3	2031.2	2038.1	2031.2
15°	1957.0	1974.3	1991.5	1995.2	1994.3	1996.9	2002.9	2008.5	2012.8	2017.2	2012.8
17.5°	1926.4	1943.6	1960.9	1964.3	1963.1	1963.2	1964.8	1966.5	1968.5	1970.6	1968.5
20°	1904.7	1921.9	1939.1	1941.5	1938.9	1934.6	1928.6	1924.1	1924.1	1924.1	1924.1
22.5°	1873.6	1892.2	1910.9	1911.0	1905.0	1893.8	1877.4	1863.7	1858.2	1852.7	1858.2
25°	1827.1	1845.2	1863.3	1854.9	1837.6	1812.2	1778.6	1750.1	1737.2	1724.3	1737.2
27.5°	1772.8	1787.4	1802.1	1780.1	1746.0	1705.1	1657.3	1617.0	1599.1	1581.1	1599.1
30°	1734.0	1745.2	1756.4	1721.7	1671.7	1620.4	1567.8	1524.1	1506.8	1489.6	1506.8
32.5°	1693.6	1697.9	1702.3	1656.5	1594.1	1535.6	1480.9	1435.3	1416.7	1398.0	1416.7
35°	1627.3	1619.5	1611.8	1551.0	1472.6	1405.8	1350.6	1305.1	1288.7	1272.4	1288.7
37.5°	1548.9	1525.8	1502.7	1434.2	1350.6	1279.9	1222.2	1174.3	1156.2	1138.1	1156.2
40°	1491.5	1458.8	1426.0	1352.5	1265.5	1193.1	1135.3	1087.5	1069.4	1051.2	1069.4
42.5°	1427.9	1386.9	1345.8	1270.3	1183.2	1110.8	1053.1	1005.0	986.3	967.5	986.3
45°	1322.8	1274.5	1226.2	1147.6	1058.8	986.4	930.3	883.8	865.7	847.6	865.7
47.5°	1204.5	1156.5	1108.6	1030.2	941.6	870.1	815.8	771.2	755.7	740.1	755.7
50°	1119.1	1072.6	1026.0	951.0	866.6	797.2	742.9	697.4	678.4	659.5	678.4
52.5°	1032.2	990.5	948.8	876.6	794.1	725.1	669.4	621.2	595.3	569.5	595.3
55°	913.5	873.9	834.2	766.1	688.5	618.7	556.7	506.4	491.8	477.1	491.8
57.5°	791.3	757.0	722.7	661.5	591.4	528.1	471.7	426.4	414.3	402.3	414.3
60°	713.8	683.6	653.4	594.8	526.7	468.9	421.5	383.0	370.9	358.8	370.9
62.5°	639.3	612.6	585.8	529.6	463.6	411.7	373.9	343.1	333.1	323.1	333.1
65°	527.6	507.7	487.9	441.6	386.4	343.3	312.3	286.8	278.2	269.6	278.2
67.5°	418.9	407.9	396.9	362.2	319.6	284.7	257.4	235.6	229.9	224.2	229.9
70°	349.1	345.7	342.2	313.6	276.5	246.8	224.3	206.5	202.1	197.8	202.1
72.5°	288.6	290.0	291.4	267.5	235.3	210.4	192.8	178.9	175.9	173.0	175.9
75°	205.6	212.5	219.4	203.7	180.4	162.7	150.6	141.2	139.4	137.7	139.4
77.5°	140.0	150.4	160.7	150.5	133.4	120.4	111.5	104.4	103.0	101.6	103.0
80°	102.8	113.1	123.5	116.4	103.4	93.5	86.6	81.5	81.5	81.5	81.5
82.5°	71.8	80.0	88.3	83.3	73.8	67.3	63.9	61.3	61.3	61.3	61.3
85°	34.9	39.2	43.5	42.0	38.6	34.3	29.1	25.0	24.1	23.3	24.1
87.5°	10.5	14.2	18.3	17.8	15.6	13.9	13.2	13.1	13.5	13.5	13.5
90°	6.0	14.1	24.1	32.2	38.2	40.2	40.2	42.2	44.3	44.3	44.3
92.5°	22.1	35.0	35.4	35.4	43.0	46.7	49.9	50.3	52.3	52.3	52.3
95°	62.4	68.4	102.6	100.6	68.4	54.3	46.3	46.3	46.3	46.3	46.3
97.5°	119.1	127.9	133.6	179.0	189.1	182.6	148.8	125.1	111.8	105.8	111.8
100°	169.0	173.0	185.1	187.1	237.4	285.6	261.5	231.3	221.3	215.2	221.3
102.5°	218.8	221.3	239.8	248.2	259.9	287.2	370.9	361.7	354.8	353.6	354.8
105°	293.7	295.7	329.9	346.0	354.0	354.0	352.0	392.2	456.6	470.7	456.6
107.5°	373.7	383.0	423.2	466.3	475.5	477.9	467.5	461.4	459.0	460.6	459.0
110°	428.4	442.5	490.8	545.1	559.2	563.2	559.2	553.2	549.1	549.1	549.1



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	481.5	502.1	556.8	619.1	642.9	654.9	646.1	641.7	637.6	640.9	637.6
115°	563.2	593.4	665.8	730.2	778.4	784.5	782.5	782.5	780.5	780.5	780.5
117.5°	638.8	687.1	768.4	843.2	899.1	915.2	923.3	920.9	918.4	922.5	918.4
120°	692.0	748.3	840.8	925.3	979.6	1003.7	1011.8	1007.8	1011.8	1007.8	1011.8
122.5°	748.3	817.5	908.4	996.1	1060.1	1087.4	1097.1	1097.9	1098.7	1096.3	1098.7
125°	832.8	917.2	1023.8	1114.4	1180.7	1212.9	1221.0	1223.0	1227.0	1237.1	1227.0
127.5°	918.0	1013.8	1130.9	1218.2	1286.1	1325.2	1337.6	1342.1	1350.5	1354.9	1350.5
130°	977.6	1086.2	1204.9	1287.3	1353.7	1396.0	1418.1	1424.1	1434.2	1432.2	1434.2
132.5°	1040.3	1153.8	1274.1	1359.8	1421.3	1466.8	1485.7	1503.0	1506.6	1509.4	1506.6
135°	1132.5	1255.2	1375.9	1460.3	1518.7	1562.9	1587.1	1603.2	1613.2	1619.2	1613.2
137.5°	1229.4	1359.0	1474.8	1550.0	1608.8	1647.0	1674.4	1691.3	1701.7	1706.5	1701.7
140°	1295.4	1420.1	1532.8	1611.2	1663.5	1701.7	1725.9	1746.0	1758.0	1758.0	1758.0
142.5°	1358.2	1481.3	1590.7	1669.1	1715.0	1750.0	1775.7	1791.0	1804.7	1804.7	1804.7
145°	1446.3	1569.0	1669.5	1748.0	1786.2	1818.4	1846.5	1858.6	1866.7	1866.7	1866.7
147.5°	1538.4	1647.0	1738.7	1814.0	1846.1	1884.0	1906.1	1915.7	1925.8	1921.4	1925.8
150°	1593.1	1693.7	1782.2	1852.6	1884.8	1921.0	1943.1	1951.1	1961.2	1955.2	1961.2
152.5°	1646.2	1741.9	1822.4	1888.0	1915.3	1951.5	1976.9	1984.9	1991.8	1987.3	1991.8
155°	1717.8	1802.3	1876.7	1937.1	1961.2	1995.4	2019.5	2029.6	2037.6	2027.6	2037.6
157.5°	1781.8	1854.6	1919.4	1974.9	2000.6	2030.0	2052.5	2065.0	2073.0	2068.6	2073.0
160°	1820.4	1886.8	1945.1	1997.4	2021.5	2047.7	2071.8	2085.9	2094.0	2087.9	2094.0
162.5°	1852.6	1912.5	1967.6	2015.1	2036.0	2059.0	2087.9	2100.4	2108.4	2100.8	2108.4
165°	1898.8	1947.1	1995.4	2035.6	2053.7	2071.8	2102.0	2116.1	2122.1	2114.1	2122.1
167.5°	1933.8	1970.9	2009.9	2044.5	2057.7	2075.4	2105.6	2117.3	2124.9	2114.9	2124.9
170°	1953.2	1985.3	2019.5	2047.7	2057.7	2073.8	2104.0	2114.1	2120.1	2110.0	2120.1
172.5°	1969.2	1993.4	2021.1	2046.1	2051.3	2064.2	2092.7	2102.8	2107.2	2098.8	2107.2
175°	1985.3	1999.4	2019.5	2035.6	2033.6	2041.7	2065.8	2073.8	2081.9	2069.8	2081.9
177.5°	1993.0	1999.4	2005.9	2015.5	2009.1	2009.1	2026.8	2031.6	2033.2	2026.8	2033.2
180°	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2036.5	2036.5	2036.5	2036.5	2036.5	2036.5	2036.5	2036.5	2036.5	2036.5	2036.5
2.5°	2034.0	2032.9	2032.2	2035.7	2043.3	2046.0	2034.3	2022.6	2034.3	2046.0	2043.3
5°	2034.6	2032.0	2031.2	2034.6	2042.4	2044.5	2029.9	2015.2	2029.9	2044.5	2042.4
7.5°	2033.8	2029.7	2026.8	2028.2	2034.1	2034.8	2020.0	2005.1	2020.0	2034.8	2034.1
10°	2030.5	2025.6	2021.2	2021.7	2026.9	2026.9	2011.3	1995.8	2011.3	2026.9	2026.9
12.5°	2024.3	2018.8	2013.8	2013.2	2017.0	2015.8	1999.6	1983.4	1999.6	2015.8	2017.0
15°	2008.5	2002.9	1996.9	1994.3	1995.2	1991.5	1974.3	1957.0	1974.3	1991.5	1995.2
17.5°	1966.5	1964.8	1963.2	1963.1	1964.3	1960.9	1943.6	1926.4	1943.6	1960.9	1964.3
20°	1924.1	1928.6	1934.6	1938.9	1941.5	1939.1	1921.9	1904.7	1921.9	1939.1	1941.5
22.5°	1863.7	1877.4	1893.8	1905.0	1911.0	1910.9	1892.2	1873.6	1892.2	1910.9	1911.0
25°	1750.1	1778.6	1812.2	1837.6	1854.9	1863.3	1845.2	1827.1	1845.2	1863.3	1854.9
27.5°	1617.0	1657.3	1705.1	1746.0	1780.1	1802.1	1787.4	1772.8	1787.4	1802.1	1780.1
30°	1524.1	1567.8	1620.4	1671.7	1721.7	1756.4	1745.2	1734.0	1745.2	1756.4	1721.7
32.5°	1435.3	1480.9	1535.6	1594.1	1656.5	1702.3	1697.9	1693.6	1697.9	1702.3	1656.5
35°	1305.1	1350.6	1405.8	1472.6	1551.0	1611.8	1619.5	1627.3	1619.5	1611.8	1551.0
37.5°	1174.3	1222.2	1279.9	1350.6	1434.2	1502.7	1525.8	1548.9	1525.8	1502.7	1434.2
40°	1087.5	1135.3	1193.1	1265.5	1352.5	1426.0	1458.8	1491.5	1458.8	1426.0	1352.5
42.5°	1005.0	1053.1	1110.8	1183.2	1270.3	1345.8	1386.9	1427.9	1386.9	1345.8	1270.3
45°	883.8	930.3	986.4	1058.8	1147.6	1226.2	1274.5	1322.8	1274.5	1226.2	1147.6
47.5°	771.2	815.8	870.1	941.6	1030.2	1108.6	1156.5	1204.5	1156.5	1108.6	1030.2
50°	697.4	742.9	797.2	866.6	951.0	1026.0	1072.6	1119.1	1072.6	1026.0	951.0
52.5°	621.2	669.4	725.1	794.1	876.6	948.8	990.5	1032.2	990.5	948.8	876.6
55°	506.4	556.7	618.7	688.5	766.1	834.2	873.9	913.5	873.9	834.2	766.1
57.5°	426.4	471.7	528.1	591.4	661.5	722.7	757.0	791.3	757.0	722.7	661.5
60°	383.0	421.5	468.9	526.7	594.8	653.4	683.6	713.8	683.6	653.4	594.8
62.5°	343.1	373.9	411.7	463.6	529.6	585.8	612.6	639.3	612.6	585.8	529.6
65°	286.8	312.3	343.3	386.4	441.6	487.9	507.7	527.6	507.7	487.9	441.6
67.5°	235.6	257.4	284.7	319.6	362.2	396.9	407.9	418.9	407.9	396.9	362.2
70°	206.5	224.3	246.8	276.5	313.6	342.2	345.7	349.1	345.7	342.2	313.6
72.5°	178.9	192.8	210.4	235.3	267.5	291.4	290.0	288.6	290.0	291.4	267.5
75°	141.2	150.6	162.7	180.4	203.7	219.4	212.5	205.6	212.5	219.4	203.7
77.5°	104.4	111.5	120.4	133.4	150.5	160.7	150.4	140.0	150.4	160.7	150.5
80°	81.5	86.6	93.5	103.4	116.4	123.5	113.1	102.8	113.1	123.5	116.4
82.5°	61.3	63.9	67.3	73.8	83.3	88.3	80.0	71.8	80.0	88.3	83.3
85°	25.0	29.1	34.3	38.6	42.0	43.5	39.2	34.9	39.2	43.5	42.0
87.5°	13.1	13.2	13.9	15.6	17.8	18.3	14.2	10.5	14.2	17.9	18.6
90°	42.2	40.2	40.2	38.2	32.2	24.1	14.1	6.0	14.1	22.1	36.2
92.5°	50.3	49.9	46.7	43.0	35.4	35.4	35.0	22.1	38.2	54.3	78.0
95°	46.3	46.3	54.3	68.4	100.6	102.6	68.4	62.4	88.5	124.7	156.9
97.5°	125.1	148.8	182.6	189.1	179.0	133.6	127.9	119.1	162.1	197.9	249.8
100°	231.3	261.5	285.6	237.4	187.1	185.1	173.0	169.0	215.2	249.4	299.7
102.5°	361.7	370.9	287.2	259.9	248.2	239.8	221.3	218.8	265.1	312.2	354.4
105°	392.2	352.0	354.0	354.0	346.0	329.9	295.7	293.7	346.0	400.3	452.6
107.5°	461.4	467.5	477.9	475.5	466.3	423.2	383.0	373.7	420.8	486.0	543.5
110°	553.2	559.2	563.2	559.2	545.1	490.8	442.5	428.4	470.7	539.1	601.4



TEST NUMBER: P1428483

CATALOG NUMBER: SQ2W-PW1-K-150U-100D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	641.7	646.1	654.9	642.9	619.1	556.8	502.1	481.5	523.8	593.8	657.8
115°	782.5	782.5	784.5	778.4	730.2	665.8	593.4	563.2	599.4	663.8	734.2
117.5°	920.9	923.3	915.2	899.1	843.2	768.4	687.1	638.8	667.4	735.4	807.8
120°	1007.8	1011.8	1003.7	979.6	925.3	840.8	748.3	692.0	714.1	780.5	852.9
122.5°	1097.9	1097.1	1087.4	1060.1	996.1	908.4	817.5	748.3	757.5	819.1	889.9
125°	1223.0	1221.0	1212.9	1180.7	1114.4	1023.8	917.2	832.8	820.7	873.0	945.4
127.5°	1342.1	1337.6	1325.2	1286.1	1218.2	1130.9	1013.8	918.0	891.1	924.1	990.5
130°	1424.1	1418.1	1396.0	1353.7	1287.3	1204.9	1086.2	977.6	939.4	959.5	1017.8
132.5°	1503.0	1485.7	1466.8	1421.3	1359.8	1274.1	1153.8	1040.3	987.6	996.5	1041.9
135°	1603.2	1587.1	1562.9	1518.7	1460.3	1375.9	1255.2	1132.5	1060.1	1052.0	1078.2
137.5°	1691.3	1674.4	1647.0	1608.8	1550.0	1474.8	1359.0	1229.4	1138.1	1111.1	1121.2
140°	1746.0	1725.9	1701.7	1663.5	1611.2	1532.8	1420.1	1295.4	1192.8	1154.6	1148.6
142.5°	1791.0	1775.7	1750.0	1715.0	1669.1	1590.7	1481.3	1358.2	1249.1	1199.6	1185.6
145°	1858.6	1846.5	1818.4	1786.2	1748.0	1669.5	1569.0	1446.3	1337.6	1273.3	1243.1
147.5°	1915.7	1906.1	1884.0	1846.1	1814.0	1738.7	1647.0	1538.4	1426.9	1347.3	1308.3
150°	1951.1	1943.1	1921.0	1884.8	1852.6	1782.2	1693.7	1593.1	1486.5	1402.0	1351.7
152.5°	1984.9	1976.9	1951.5	1915.3	1888.0	1822.4	1741.9	1646.2	1538.0	1453.5	1401.6
155°	2029.6	2019.5	1995.4	1961.2	1937.1	1876.7	1802.3	1717.8	1625.3	1536.8	1478.4
157.5°	2065.0	2052.5	2030.0	2000.6	1974.9	1919.4	1854.6	1781.8	1700.9	1616.4	1556.9
160°	2085.9	2071.8	2047.7	2021.5	1997.4	1945.1	1886.8	1820.4	1746.0	1669.5	1605.2
162.5°	2100.4	2087.9	2059.0	2036.0	2015.1	1967.6	1912.5	1852.6	1786.2	1719.4	1659.9
165°	2116.1	2102.0	2071.8	2053.7	2035.6	1995.4	1947.1	1898.8	1842.5	1788.2	1739.9
167.5°	2117.3	2105.6	2075.4	2057.7	2044.5	2009.9	1970.9	1933.8	1890.0	1847.3	1807.1
170°	2114.1	2104.0	2073.8	2057.7	2047.7	2019.5	1985.3	1953.2	1919.0	1882.7	1850.6
172.5°	2102.8	2092.7	2064.2	2051.3	2046.1	2021.1	1993.4	1969.2	1939.9	1913.3	1887.6
175°	2073.8	2065.8	2041.7	2033.6	2035.6	2019.5	1999.4	1985.3	1967.2	1951.1	1937.1
177.5°	2031.6	2026.8	2009.1	2009.1	2015.5	2005.9	1999.4	1993.0	1984.9	1980.1	1975.3
180°	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4



TEST NUMBER: P1428483

CATALOG NUMBER: SQ2W-PW1-K-150U-100D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2036.5	2036.5	2036.5	2036.5	2036.5	2036.5	2036.5	2036.5	2036.5	2036.5	2036.5
2.5°	2035.7	2032.2	2032.9	2034.0	2036.0	2038.1	2036.0	2034.0	2032.9	2032.2	2035.7
5°	2034.6	2031.2	2032.0	2034.6	2042.4	2050.1	2042.4	2034.6	2032.0	2031.2	2034.6
7.5°	2028.2	2026.8	2029.7	2033.8	2041.4	2049.0	2041.4	2033.8	2029.7	2026.8	2028.2
10°	2021.7	2021.2	2025.6	2030.5	2037.4	2044.3	2037.4	2030.5	2025.6	2021.2	2021.7
12.5°	2013.2	2013.8	2018.8	2024.3	2031.2	2038.1	2031.2	2024.3	2018.8	2013.8	2013.2
15°	1994.3	1996.9	2002.9	2008.5	2012.8	2017.2	2012.8	2008.5	2002.9	1996.9	1994.3
17.5°	1963.1	1963.2	1964.8	1966.5	1968.5	1970.6	1968.5	1966.5	1964.8	1963.2	1963.1
20°	1938.9	1934.6	1928.6	1924.1	1924.1	1924.1	1924.1	1924.1	1928.6	1934.6	1938.9
22.5°	1905.0	1893.8	1877.4	1863.7	1858.2	1852.7	1858.2	1863.7	1877.4	1893.8	1905.0
25°	1837.6	1812.2	1778.6	1750.1	1737.2	1724.3	1737.2	1750.1	1778.6	1812.2	1837.6
27.5°	1746.0	1705.1	1657.3	1617.0	1599.1	1581.1	1599.1	1617.0	1657.3	1705.1	1746.0
30°	1671.7	1620.4	1567.8	1524.1	1506.8	1489.6	1506.8	1524.1	1567.8	1620.4	1671.7
32.5°	1594.1	1535.6	1480.9	1435.3	1416.7	1398.0	1416.7	1435.3	1480.9	1535.6	1594.1
35°	1472.6	1405.8	1350.6	1305.1	1288.7	1272.4	1288.7	1305.1	1350.6	1405.8	1472.6
37.5°	1350.6	1279.9	1222.2	1174.3	1156.2	1138.1	1156.2	1174.3	1222.2	1279.9	1350.6
40°	1265.5	1193.1	1135.3	1087.5	1069.4	1051.2	1069.4	1087.5	1135.3	1193.1	1265.5
42.5°	1183.2	1110.8	1053.1	1005.0	986.3	967.5	986.3	1005.0	1053.1	1110.8	1183.2
45°	1058.8	986.4	930.3	883.8	865.7	847.6	865.7	930.3	986.4	1058.8	1058.8
47.5°	941.6	870.1	815.8	771.2	755.7	740.1	755.7	815.8	870.1	941.6	941.6
50°	866.6	797.2	742.9	697.4	678.4	659.5	678.4	742.9	797.2	866.6	866.6
52.5°	794.1	725.1	669.4	621.2	595.3	569.5	595.3	621.2	669.4	725.1	794.1
55°	688.5	618.7	556.7	506.4	491.8	477.1	491.8	506.4	556.7	618.7	688.5
57.5°	591.4	528.1	471.7	426.4	414.3	402.3	414.3	426.4	471.7	528.1	591.4
60°	526.7	468.9	421.5	383.0	370.9	358.8	370.9	421.5	468.9	526.7	526.7
62.5°	463.6	411.7	373.9	343.1	333.1	323.1	333.1	343.1	373.9	411.7	463.6
65°	386.4	343.3	312.3	286.8	278.2	269.6	278.2	286.8	312.3	343.3	386.4
67.5°	319.6	284.7	257.4	235.6	229.9	224.2	229.9	235.6	257.4	284.7	319.6
70°	276.5	246.8	224.3	206.5	202.1	197.8	202.1	206.5	224.3	246.8	276.5
72.5°	235.3	210.4	192.8	178.9	175.9	173.0	175.9	178.9	192.8	210.4	235.3
75°	180.4	162.7	150.6	141.2	139.4	137.7	139.4	141.2	150.6	162.7	180.4
77.5°	133.4	120.4	111.5	104.4	103.0	101.6	103.0	104.4	111.5	120.4	133.4
80°	103.4	93.5	86.6	81.5	81.5	81.5	81.5	81.5	86.6	93.5	103.4
82.5°	73.8	67.3	63.9	61.3	61.3	61.3	61.3	61.3	63.9	67.3	73.8
85°	38.6	34.3	29.1	25.0	24.1	23.3	24.1	25.0	29.1	34.3	38.6
87.5°	17.2	17.9	20.1	21.1	22.8	22.0	22.8	21.1	20.1	17.9	17.2
90°	46.3	60.3	74.4	82.5	90.5	86.5	90.5	82.5	74.4	60.3	46.3
92.5°	92.9	116.7	134.0	148.4	154.9	154.1	154.9	148.4	134.0	116.7	92.9
95°	187.1	215.2	243.4	263.5	275.6	271.6	275.6	263.5	243.4	215.2	187.1
97.5°	288.4	326.3	357.6	376.5	388.6	396.7	388.6	376.5	357.6	326.3	288.4
100°	356.0	392.2	428.4	450.6	470.7	478.7	470.7	450.6	428.4	392.2	356.0
102.5°	410.7	458.2	497.6	521.4	538.3	546.3	538.3	521.4	497.6	458.2	410.7
105°	500.9	551.1	593.4	623.6	641.7	647.7	641.7	623.6	593.4	551.1	500.9
107.5°	591.0	642.9	681.9	715.3	737.4	750.3	737.4	715.3	681.9	642.9	591.0
110°	661.8	704.0	746.3	776.4	798.6	806.6	798.6	776.4	746.3	704.0	661.8



TEST NUMBER: P1428483

CATALOG NUMBER: SQ2W-PW1-K-150U-100D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	721.3	768.4	810.6	840.8	866.1	877.4	866.1	840.8	810.6	768.4	721.3
115°	804.6	866.9	905.2	933.3	951.4	961.5	951.4	933.3	905.2	866.9	804.6
117.5°	873.8	939.0	980.8	1002.5	1011.0	1018.2	1011.0	1002.5	980.8	939.0	873.8
120°	917.2	977.6	1025.9	1054.0	1064.1	1068.1	1064.1	1054.0	1025.9	977.6	917.2
122.5°	957.5	1014.6	1061.3	1095.9	1112.4	1116.4	1112.4	1095.9	1061.3	1014.6	957.5
125°	1013.8	1068.1	1116.4	1150.6	1168.7	1178.7	1168.7	1150.6	1116.4	1068.1	1013.8
127.5°	1062.9	1121.6	1165.9	1196.8	1214.5	1222.6	1214.5	1196.8	1165.9	1121.6	1062.9
130°	1090.2	1150.6	1194.8	1229.0	1245.1	1253.2	1245.1	1229.0	1194.8	1150.6	1090.2
132.5°	1111.1	1174.7	1220.6	1251.5	1269.2	1277.3	1269.2	1251.5	1220.6	1174.7	1111.1
135°	1136.5	1202.9	1251.1	1281.3	1297.4	1305.5	1297.4	1281.3	1251.1	1202.9	1136.5
137.5°	1158.6	1219.0	1269.2	1301.0	1315.5	1320.7	1315.5	1301.0	1269.2	1219.0	1158.6
140°	1174.7	1227.0	1277.3	1307.5	1323.6	1325.6	1323.6	1307.5	1277.3	1227.0	1174.7
142.5°	1195.6	1236.7	1280.5	1310.7	1326.8	1330.4	1326.8	1310.7	1280.5	1236.7	1195.6
145°	1233.0	1257.2	1287.3	1315.5	1329.6	1333.6	1329.6	1315.5	1287.3	1257.2	1233.0
147.5°	1280.1	1287.8	1303.4	1321.9	1335.6	1338.4	1335.6	1321.9	1303.4	1287.8	1280.1
150°	1315.5	1313.5	1319.5	1331.6	1343.7	1341.7	1343.7	1331.6	1319.5	1313.5	1315.5
152.5°	1355.7	1344.1	1343.7	1349.3	1354.9	1354.5	1354.9	1349.3	1343.7	1344.1	1355.7
155°	1424.1	1402.0	1389.9	1385.9	1385.9	1383.9	1385.9	1385.9	1389.9	1402.0	1424.1
157.5°	1499.4	1468.4	1450.3	1440.6	1437.8	1433.4	1437.8	1440.6	1450.3	1468.4	1499.4
160°	1550.9	1516.7	1498.6	1482.5	1476.4	1470.4	1476.4	1482.5	1498.6	1516.7	1550.9
162.5°	1599.1	1566.5	1546.8	1532.3	1526.3	1517.1	1526.3	1532.3	1546.8	1566.5	1599.1
165°	1677.6	1643.4	1621.3	1609.2	1601.1	1593.1	1601.1	1609.2	1621.3	1643.4	1677.6
167.5°	1756.0	1718.6	1704.1	1690.5	1682.8	1668.3	1682.8	1690.5	1704.1	1718.6	1756.0
170°	1804.3	1770.1	1762.1	1750.0	1735.9	1719.8	1735.9	1750.0	1762.1	1770.1	1804.3
172.5°	1846.1	1823.2	1815.2	1803.1	1798.7	1785.8	1798.7	1803.1	1815.2	1823.2	1846.1
175°	1906.9	1888.8	1888.8	1886.8	1880.7	1868.7	1880.7	1886.8	1888.8	1888.8	1906.9
177.5°	1957.6	1947.9	1954.4	1954.4	1952.7	1941.5	1952.7	1954.4	1954.4	1947.9	1957.6
180°	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4



TEST NUMBER: P1428483

CATALOG NUMBER: SQ2W-PW1-K-150U-100D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2036.5	2036.5	2036.5	2036.5
2.5°	2043.3	2046.0	2034.3	2022.6
5°	2042.4	2044.5	2029.9	2015.2
7.5°	2034.1	2034.8	2020.0	2005.1
10°	2026.9	2026.9	2011.3	1995.8
12.5°	2017.0	2015.8	1999.6	1983.4
15°	1995.2	1991.5	1974.3	1957.0
17.5°	1964.3	1960.9	1943.6	1926.4
20°	1941.5	1939.1	1921.9	1904.7
22.5°	1911.0	1910.9	1892.2	1873.6
25°	1854.9	1863.3	1845.2	1827.1
27.5°	1780.1	1802.1	1787.4	1772.8
30°	1721.7	1756.4	1745.2	1734.0
32.5°	1656.5	1702.3	1697.9	1693.6
35°	1551.0	1611.8	1619.5	1627.3
37.5°	1434.2	1502.7	1525.8	1548.9
40°	1352.5	1426.0	1458.8	1491.5
42.5°	1270.3	1345.8	1386.9	1427.9
45°	1147.6	1226.2	1274.5	1322.8
47.5°	1030.2	1108.6	1156.5	1204.5
50°	951.0	1026.0	1072.6	1119.1
52.5°	876.6	948.8	990.5	1032.2
55°	766.1	834.2	873.9	913.5
57.5°	661.5	722.7	757.0	791.3
60°	594.8	653.4	683.6	713.8
62.5°	529.6	585.8	612.6	639.3
65°	441.6	487.9	507.7	527.6
67.5°	362.2	396.9	407.9	418.9
70°	313.6	342.2	345.7	349.1
72.5°	267.5	291.4	290.0	288.6
75°	203.7	219.4	212.5	205.6
77.5°	150.5	160.7	150.4	140.0
80°	116.4	123.5	113.1	102.8
82.5°	83.3	88.3	80.0	71.8
85°	42.0	43.5	39.2	34.9
87.5°	18.6	17.9	14.2	10.5
90°	36.2	22.1	14.1	6.0
92.5°	78.0	54.3	38.2	22.1
95°	156.9	124.7	88.5	62.4
97.5°	249.8	197.9	162.1	119.1
100°	299.7	249.4	215.2	169.0
102.5°	354.4	312.2	265.1	218.8
105°	452.6	400.3	346.0	293.7
107.5°	543.5	486.0	420.8	373.7
110°	601.4	539.1	470.7	428.4



TEST NUMBER: P1428483

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CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	657.8	593.8	523.8	481.5
115°	734.2	663.8	599.4	563.2
117.5°	807.8	735.4	667.4	638.8
120°	852.9	780.5	714.1	692.0
122.5°	889.9	819.1	757.5	748.3
125°	945.4	873.0	820.7	832.8
127.5°	990.5	924.1	891.1	918.0
130°	1017.8	959.5	939.4	977.6
132.5°	1041.9	996.5	987.6	1040.3
135°	1078.2	1052.0	1060.1	1132.5
137.5°	1121.2	1111.1	1138.1	1229.4
140°	1148.6	1154.6	1192.8	1295.4
142.5°	1185.6	1199.6	1249.1	1358.2
145°	1243.1	1273.3	1337.6	1446.3
147.5°	1308.3	1347.3	1426.9	1538.4
150°	1351.7	1402.0	1486.5	1593.1
152.5°	1401.6	1453.5	1538.0	1646.2
155°	1478.4	1536.8	1625.3	1717.8
157.5°	1556.9	1616.4	1700.9	1781.8
160°	1605.2	1669.5	1746.0	1820.4
162.5°	1659.9	1719.4	1786.2	1852.6
165°	1739.9	1788.2	1842.5	1898.8
167.5°	1807.1	1847.3	1890.0	1933.8
170°	1850.6	1882.7	1919.0	1953.2
172.5°	1887.6	1913.3	1939.9	1969.2
175°	1937.1	1951.1	1967.2	1985.3
177.5°	1975.3	1980.1	1984.9	1993.0
180°	1991.4	1991.4	1991.4	1991.4



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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	18.44	19.21	19.45	20.23	21.59	14.68	15.46	15.70	16.48	17.84
	3H	19.73	20.43	20.76	21.46	22.84	15.95	16.64	16.97	17.67	19.05
	4H	20.14	20.79	21.18	21.83	23.21	16.45	17.11	17.49	18.14	19.53
	6H	20.31	20.92	21.36	21.95	23.35	16.75	17.36	17.80	18.39	19.79
	8H	20.35	20.93	21.41	21.98	23.37	16.87	17.44	17.92	18.49	19.89
	12H	20.35	20.90	21.41	21.94	23.36	16.89	17.44	17.95	18.48	19.90
4H	2H	18.56	19.21	19.60	20.25	21.63	15.48	16.14	16.53	17.17	18.56
	3H	20.09	20.63	21.14	21.69	23.10	16.92	17.47	17.98	18.53	19.93
	4H	20.63	21.13	21.69	22.18	23.61	17.50	18.00	18.56	19.05	20.47
	6H	20.94	21.37	22.01	22.44	23.86	17.88	18.31	18.95	19.38	20.80
	8H	21.03	21.43	22.10	22.50	23.93	18.03	18.43	19.10	19.49	20.93
	12H	21.05	21.41	22.13	22.49	23.93	18.07	18.43	19.15	19.51	20.95
8H	4H	20.67	21.06	21.73	22.13	23.56	17.84	18.23	18.90	19.30	20.74
	6H	21.08	21.41	22.18	22.52	23.95	18.33	18.65	19.42	19.76	21.19
	8H	21.25	21.54	22.35	22.64	24.09	18.54	18.83	19.64	19.93	21.38
	12H	21.33	21.58	22.43	22.67	24.16	18.62	18.88	19.73	19.97	21.46
12H	4H	20.62	20.98	21.71	22.06	23.50	17.85	18.21	18.94	19.29	20.73
	6H	21.08	21.37	22.18	22.46	23.91	18.40	18.69	19.50	19.78	21.23
	8H	21.26	21.52	22.37	22.61	24.10	18.64	18.90	19.74	19.98	21.47