

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: P1428457

Luminaire Tested: SQ2W-PW1-K-125U-100D-L840-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428457
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-125U-100D-L840-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 1250 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

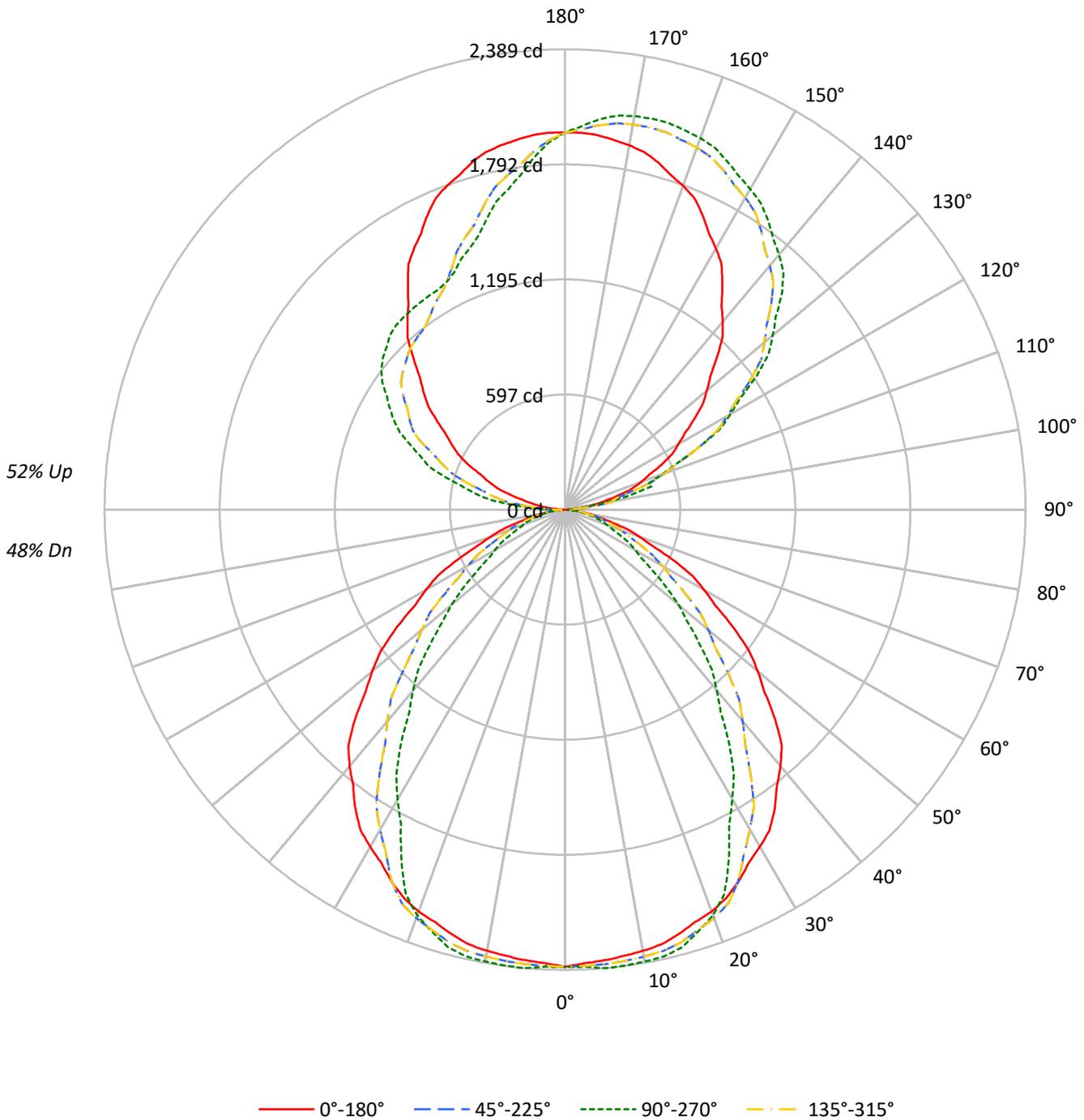
Lumens per Lamp: N/A
Luminaire Lumens: 10987.3 lumens
Efficiency: N/A
Efficacy: 134.6 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.11 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 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	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54	48
1	98	94	90	87	90	87	83	81	73	71	69	60	59	57	49	48	47	42
2	90	83	77	72	82	76	71	67	64	61	58	54	51	49	44	42	40	36
3	82	73	66	60	75	68	61	57	57	53	49	48	45	42	39	37	35	31
4	75	65	57	52	69	60	54	48	51	46	42	43	39	36	35	33	31	27
5	69	58	50	44	64	54	47	42	46	41	37	39	35	32	32	29	27	24
6	64	52	44	39	59	49	42	37	42	36	32	35	31	28	29	26	24	21
7	59	47	40	34	55	44	37	32	38	33	29	32	28	25	27	24	21	19
8	55	43	36	30	51	40	33	29	35	29	26	30	25	22	25	22	19	17
9	51	39	32	27	47	37	30	26	32	27	23	27	23	20	23	20	18	15
10	48	36	29	24	44	34	28	23	29	24	21	25	21	18	21	18	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	38320	38320	38320	38320
5°	38063	38722	38063	38722
10°	38132	39059	38132	39059
15°	38122	39294	38122	39294
20°	38138	38527	38138	38527
25°	37933	35799	37933	35799
30°	37674	32365	37674	32365
35°	37380	29226	37380	29226
40°	36635	25821	36635	25821
45°	35200	22555	35200	22555
50°	32759	19303	32759	19303
55°	29967	15654	29967	15654
60°	26860	13504	26860	13504
65°	23488	12004	23488	12004
70°	19208	10886	19208	10886
75°	14947	10012	14947	10012
80°	11139	8824	11139	8824
85°	7540	5020	7540	5020

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 35200 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.0	2.1
10°-20°	654.8	6.0
20°-30°	963.7	8.8
30°-40°	1053.6	9.6
40°-50°	945.2	8.6
50°-60°	705.1	6.4
60°-70°	445.6	4.1
70°-80°	220.8	2.0
80°-90°	59.8	0.5
90°-100°	155.7	1.4
100°-110°	454.1	4.1
110°-120°	741.1	6.7
120°-130°	940.4	8.6
130°-140°	1006.2	9.2
140°-150°	939.6	8.6
150°-160°	773.1	7.0
160°-170°	518.5	4.7
170°-180°	184.1	1.7
0°-30°	1844.5	16.8
0°-40°	2898.1	26.4
0°-60°	4548.4	41.4
0°-90°	5274.5	48.0
90°-120°	1350.9	12.3
90°-150°	4237.0	38.6
90°-180°	5713.0	52.0
0°-180°	10987.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2373	2373	2373	2373	2373	
5°	2348	2389	2348	2389	2348	223
15°	2281	2351	2281	2351	2281	644
25°	2129	2010	2129	2010	2129	981
35°	1896	1483	1896	1483	1896	1183
45°	1542	988	1542	988	1542	1182
55°	1065	556	1065	556	1065	951
65°	615	314	615	314	615	609
75°	240	160	240	160	240	264
85°	41	27	41	27	41	52
90°	6	44	6	85	6	6
95°	61	46	61	267	61	74
105°	288	462	288	636	288	307
115°	553	767	553	945	553	545
125°	818	1215	818	1158	818	732
135°	1113	1591	1113	1283	1113	860
145°	1421	1834	1421	1310	1421	889
155°	1688	1992	1688	1360	1688	776
165°	1866	2077	1866	1565	1866	525
175°	1951	2034	1951	1836	1951	185
180°	1956	1956	1956	1956	1956	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2373.4	2373.4	2373.4	2373.4	2373.4	2373.4	2373.4	2373.4	2373.4	2373.4	2373.4
2.5°	2357.1	2370.8	2384.4	2381.2	2372.4	2368.4	2369.2	2370.4	2372.8	2375.2	2372.8
5°	2348.5	2365.6	2382.7	2380.2	2371.1	2367.1	2368.1	2371.1	2380.2	2389.2	2380.2
7.5°	2336.8	2354.1	2371.3	2370.5	2363.7	2362.0	2365.4	2370.2	2379.0	2387.9	2379.0
10°	2325.9	2344.0	2362.1	2362.1	2356.1	2355.6	2360.6	2366.4	2374.4	2382.4	2374.4
12.5°	2311.5	2330.4	2349.2	2350.6	2346.2	2346.9	2352.8	2359.1	2367.2	2375.2	2367.2
15°	2280.7	2300.8	2320.9	2325.2	2324.2	2327.2	2334.2	2340.7	2345.8	2350.8	2345.8
17.5°	2245.0	2265.1	2285.2	2289.2	2287.8	2288.0	2289.8	2291.7	2294.1	2296.5	2294.1
20°	2219.7	2239.8	2259.9	2262.6	2259.6	2254.6	2247.6	2242.3	2242.3	2242.3	2242.3
22.5°	2183.5	2205.2	2226.9	2227.1	2220.0	2207.0	2187.9	2172.0	2165.5	2159.1	2165.5
25°	2129.3	2150.4	2171.5	2161.7	2141.6	2111.9	2072.8	2039.6	2024.5	2009.5	2024.5
27.5°	2066.0	2083.1	2100.1	2074.6	2034.8	1987.1	1931.4	1884.5	1863.6	1842.7	1863.6
30°	2020.8	2033.8	2046.9	2006.5	1948.2	1888.4	1827.1	1776.2	1756.1	1736.0	1756.1
32.5°	1973.8	1978.8	1983.8	1930.5	1857.8	1789.6	1725.9	1672.7	1651.0	1629.3	1651.0
35°	1896.5	1887.4	1878.4	1807.5	1716.1	1638.3	1574.0	1521.0	1501.9	1482.8	1501.9
37.5°	1805.1	1778.2	1751.3	1671.5	1574.0	1491.6	1424.3	1368.6	1347.5	1326.4	1347.5
40°	1738.2	1700.1	1661.9	1576.2	1474.8	1390.4	1323.1	1267.3	1246.2	1225.1	1246.2
42.5°	1664.1	1616.3	1568.5	1480.4	1378.9	1294.5	1227.2	1171.3	1149.4	1127.5	1149.4
45°	1541.6	1485.3	1429.1	1337.4	1233.9	1149.5	1084.2	1030.0	1008.9	987.8	1008.9
47.5°	1403.7	1347.8	1292.0	1200.6	1097.3	1014.0	950.7	898.7	880.6	862.6	880.6
50°	1304.2	1250.0	1195.7	1108.3	1009.9	929.0	865.7	812.7	790.6	768.5	790.6
52.5°	1203.0	1154.4	1105.7	1021.5	925.5	845.0	780.1	723.9	693.8	663.6	693.8
55°	1064.6	1018.4	972.2	892.8	802.4	721.1	648.7	590.2	573.1	556.1	573.1
57.5°	922.2	882.3	842.3	770.9	689.2	615.4	549.7	496.9	482.9	468.8	482.9
60°	831.8	796.7	761.5	693.2	613.8	546.5	491.3	446.3	432.2	418.2	432.2
62.5°	745.0	713.9	682.7	617.2	540.3	479.8	435.8	399.9	388.2	376.6	388.2
65°	614.8	591.7	568.6	514.6	450.3	400.1	363.9	334.3	324.2	314.2	324.2
67.5°	488.2	475.4	462.5	422.1	372.5	331.8	300.0	274.6	267.9	261.3	267.9
70°	406.9	402.8	398.8	365.4	322.2	287.6	261.5	240.6	235.6	230.6	235.6
72.5°	336.3	338.0	339.6	311.8	274.2	245.2	224.7	208.5	205.0	201.6	205.0
75°	239.6	247.6	255.7	237.3	210.2	189.6	175.6	164.5	162.5	160.5	162.5
77.5°	163.2	175.3	187.3	175.4	155.5	140.3	129.9	121.7	120.1	118.4	120.1
80°	119.8	131.9	143.9	135.6	120.6	109.0	101.0	94.9	94.9	94.9	94.9
82.5°	83.6	93.3	102.9	97.0	86.0	78.5	74.4	71.4	71.4	71.4	71.4
85°	40.7	45.7	50.7	49.0	45.0	39.9	33.9	29.1	28.1	27.1	28.1
87.5°	12.0	16.0	20.4	19.6	16.8	14.7	13.9	13.7	14.1	14.1	14.1
90°	5.9	13.8	23.7	31.6	37.5	39.5	39.5	41.5	43.5	43.5	43.5
92.5°	21.7	34.4	34.8	34.8	42.3	45.9	49.0	49.4	51.4	51.4	51.4
95°	61.3	67.2	100.8	98.8	67.2	53.4	45.5	45.5	45.5	45.5	45.5
97.5°	117.0	125.7	131.2	175.9	185.8	179.4	146.2	122.9	109.9	104.0	109.9
100°	166.0	170.0	181.8	183.8	233.2	280.6	256.9	227.3	217.4	211.5	217.4
102.5°	215.0	217.4	235.6	243.9	255.3	282.2	364.4	355.3	348.6	347.4	348.6
105°	288.5	290.5	324.1	339.9	347.8	347.8	345.9	385.4	448.6	462.5	448.6
107.5°	367.2	376.3	415.8	458.1	467.2	469.6	459.3	453.4	451.0	452.6	451.0
110°	421.0	434.8	482.2	535.6	549.4	553.4	549.4	543.5	539.5	539.5	539.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	473.1	493.3	547.0	608.3	631.6	643.5	634.8	630.4	626.5	629.7	626.5
115°	553.4	583.0	654.2	717.4	764.8	770.8	768.8	768.8	766.8	766.8	766.8
117.5°	627.7	675.1	754.9	828.5	883.4	899.2	907.1	904.8	902.4	906.3	902.4
120°	679.8	735.2	826.1	909.1	962.5	986.2	994.1	990.1	994.1	990.1	994.1
122.5°	735.2	803.2	892.5	978.7	1041.5	1068.4	1077.9	1078.7	1079.5	1077.1	1079.5
125°	818.2	901.2	1005.9	1094.9	1160.1	1191.7	1199.6	1201.6	1205.5	1215.4	1205.5
127.5°	902.0	996.1	1111.1	1196.9	1263.7	1302.0	1314.2	1318.6	1326.9	1331.2	1326.9
130°	960.5	1067.2	1183.8	1264.8	1330.1	1371.6	1393.3	1399.2	1409.1	1407.1	1409.1
132.5°	1022.1	1133.6	1251.8	1336.0	1396.5	1441.1	1459.7	1476.7	1480.3	1483.0	1480.3
135°	1112.7	1233.2	1351.8	1434.8	1492.1	1535.6	1559.3	1575.1	1585.0	1590.9	1585.0
137.5°	1207.9	1335.2	1449.0	1522.9	1580.7	1618.2	1645.1	1661.7	1672.0	1676.7	1672.0
140°	1272.7	1395.3	1505.9	1583.0	1634.4	1672.0	1695.7	1715.4	1727.3	1727.3	1727.3
142.5°	1334.4	1455.4	1562.9	1639.9	1685.0	1719.4	1744.7	1759.7	1773.1	1773.1	1773.1
145°	1421.0	1541.5	1640.3	1717.4	1755.0	1786.6	1814.3	1826.1	1834.0	1834.0	1834.0
147.5°	1511.5	1618.2	1708.3	1782.2	1813.9	1851.0	1872.7	1882.2	1892.1	1887.8	1892.1
150°	1565.2	1664.1	1751.0	1820.2	1851.8	1887.4	1909.1	1917.0	1926.9	1921.0	1926.9
152.5°	1617.4	1711.5	1790.5	1855.0	1881.8	1917.4	1942.3	1950.2	1956.9	1952.6	1956.9
155°	1687.8	1770.8	1843.9	1903.2	1926.9	1960.5	1984.2	1994.1	2002.0	1992.1	2002.0
157.5°	1750.6	1822.2	1885.8	1940.3	1965.6	1994.5	2016.6	2028.9	2036.8	2032.4	2036.8
160°	1788.6	1853.8	1911.1	1962.5	1986.2	2011.9	2035.6	2049.4	2057.3	2051.4	2057.3
162.5°	1820.2	1879.1	1933.2	1979.9	2000.4	2022.9	2051.4	2063.7	2071.6	2064.1	2071.6
165°	1865.6	1913.1	1960.5	2000.0	2017.8	2035.6	2065.2	2079.1	2085.0	2077.1	2085.0
167.5°	1900.0	1936.4	1974.7	2008.7	2021.8	2039.2	2068.8	2080.3	2087.8	2077.9	2087.8
170°	1919.0	1950.6	1984.2	2011.9	2021.8	2037.6	2067.2	2077.1	2083.0	2073.1	2083.0
172.5°	1934.8	1958.5	1985.8	2010.3	2015.4	2028.1	2056.2	2066.0	2070.4	2062.1	2070.4
175°	1950.6	1964.5	1984.2	2000.0	1998.0	2006.0	2029.7	2037.6	2045.5	2033.6	2045.5
177.5°	1958.1	1964.5	1970.8	1980.3	1973.9	1973.9	1991.3	1996.1	1997.7	1991.3	1997.7
180°	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2373.4	2373.4	2373.4	2373.4	2373.4	2373.4	2373.4	2373.4	2373.4	2373.4	2373.4
2.5°	2370.4	2369.2	2368.4	2372.4	2381.2	2384.4	2370.8	2357.1	2370.8	2384.4	2381.2
5°	2371.1	2368.1	2367.1	2371.1	2380.2	2382.7	2365.6	2348.5	2365.6	2382.7	2380.2
7.5°	2370.2	2365.4	2362.0	2363.7	2370.5	2371.3	2354.1	2336.8	2354.1	2371.3	2370.5
10°	2366.4	2360.6	2355.6	2356.1	2362.1	2362.1	2344.0	2325.9	2344.0	2362.1	2362.1
12.5°	2359.1	2352.8	2346.9	2346.2	2350.6	2349.2	2330.4	2311.5	2330.4	2349.2	2350.6
15°	2340.7	2334.2	2327.2	2324.2	2325.2	2320.9	2300.8	2280.7	2300.8	2320.9	2325.2
17.5°	2291.7	2289.8	2288.0	2287.8	2289.2	2285.2	2265.1	2245.0	2265.1	2285.2	2289.2
20°	2242.3	2247.6	2254.6	2259.6	2262.6	2259.9	2239.8	2219.7	2239.8	2259.9	2262.6
22.5°	2172.0	2187.9	2207.0	2220.0	2227.1	2226.9	2205.2	2183.5	2205.2	2226.9	2227.1
25°	2039.6	2072.8	2111.9	2141.6	2161.7	2171.5	2150.4	2129.3	2150.4	2171.5	2161.7
27.5°	1884.5	1931.4	1987.1	2034.8	2074.6	2100.1	2083.1	2066.0	2083.1	2100.1	2074.6
30°	1776.2	1827.1	1888.4	1948.2	2006.5	2046.9	2033.8	2020.8	2033.8	2046.9	2006.5
32.5°	1672.7	1725.9	1789.6	1857.8	1930.5	1983.8	1978.8	1973.8	1978.8	1983.8	1930.5
35°	1521.0	1574.0	1638.3	1716.1	1807.5	1878.4	1887.4	1896.5	1887.4	1878.4	1807.5
37.5°	1368.6	1424.3	1491.6	1574.0	1671.5	1751.3	1778.2	1805.1	1778.2	1751.3	1671.5
40°	1267.3	1323.1	1390.4	1474.8	1576.2	1661.9	1700.1	1738.2	1700.1	1661.9	1576.2
42.5°	1171.3	1227.2	1294.5	1378.9	1480.4	1568.5	1616.3	1664.1	1616.3	1568.5	1480.4
45°	1030.0	1084.2	1149.5	1233.9	1337.4	1429.1	1485.3	1541.6	1485.3	1429.1	1337.4
47.5°	898.7	950.7	1014.0	1097.3	1200.6	1292.0	1347.8	1403.7	1347.8	1292.0	1200.6
50°	812.7	865.7	929.0	1009.9	1108.3	1195.7	1250.0	1304.2	1250.0	1195.7	1108.3
52.5°	723.9	780.1	845.0	925.5	1021.5	1105.7	1154.4	1203.0	1154.4	1105.7	1021.5
55°	590.2	648.7	721.1	802.4	892.8	972.2	1018.4	1064.6	1018.4	972.2	892.8
57.5°	496.9	549.7	615.4	689.2	770.9	842.3	882.3	922.2	882.3	842.3	770.9
60°	446.3	491.3	546.5	613.8	693.2	761.5	796.7	831.8	796.7	761.5	693.2
62.5°	399.9	435.8	479.8	540.3	617.2	682.7	713.9	745.0	713.9	682.7	617.2
65°	334.3	363.9	400.1	450.3	514.6	568.6	591.7	614.8	591.7	568.6	514.6
67.5°	274.6	300.0	331.8	372.5	422.1	462.5	475.4	488.2	475.4	462.5	422.1
70°	240.6	261.5	287.6	322.2	365.4	398.8	402.8	406.9	402.8	398.8	365.4
72.5°	208.5	224.7	245.2	274.2	311.8	339.6	338.0	336.3	338.0	339.6	311.8
75°	164.5	175.6	189.6	210.2	237.3	255.7	247.6	239.6	247.6	255.7	237.3
77.5°	121.7	129.9	140.3	155.5	175.4	187.3	175.3	163.2	175.3	187.3	175.4
80°	94.9	101.0	109.0	120.6	135.6	143.9	131.9	119.8	131.9	143.9	135.6
82.5°	71.4	74.4	78.5	86.0	97.0	102.9	93.3	83.6	93.3	102.9	97.0
85°	29.1	33.9	39.9	45.0	49.0	50.7	45.7	40.7	45.7	50.7	49.0
87.5°	13.7	13.9	14.7	16.8	19.6	20.4	16.0	12.0	16.0	20.0	20.4
90°	41.5	39.5	39.5	37.5	31.6	23.7	13.8	5.9	13.8	21.7	35.6
92.5°	49.4	49.0	45.9	42.3	34.8	34.8	34.4	21.7	37.5	53.4	76.7
95°	45.5	45.5	53.4	67.2	98.8	100.8	67.2	61.3	87.0	122.5	154.2
97.5°	122.9	146.2	179.4	185.8	175.9	131.2	125.7	117.0	159.3	194.5	245.5
100°	227.3	256.9	280.6	233.2	183.8	181.8	170.0	166.0	211.5	245.1	294.5
102.5°	355.3	364.4	282.2	255.3	243.9	235.6	217.4	215.0	260.5	306.7	348.2
105°	385.4	345.9	347.8	347.8	339.9	324.1	290.5	288.5	339.9	393.3	444.7
107.5°	453.4	459.3	469.6	467.2	458.1	415.8	376.3	367.2	413.4	477.5	534.0
110°	543.5	549.4	553.4	549.4	535.6	482.2	434.8	421.0	462.5	529.7	590.9



TEST NUMBER: P1428457

CATALOG NUMBER: SQ2W-PW1-K-125U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	630.4	634.8	643.5	631.6	608.3	547.0	493.3	473.1	514.6	583.4	646.3
115°	768.8	768.8	770.8	764.8	717.4	654.2	583.0	553.4	588.9	652.2	721.4
117.5°	904.8	907.1	899.2	883.4	828.5	754.9	675.1	627.7	655.7	722.5	793.7
120°	990.1	994.1	986.2	962.5	909.1	826.1	735.2	679.8	701.6	766.8	838.0
122.5°	1078.7	1077.9	1068.4	1041.5	978.7	892.5	803.2	735.2	744.3	804.8	874.3
125°	1201.6	1199.6	1191.7	1160.1	1094.9	1005.9	901.2	818.2	806.3	857.7	928.9
127.5°	1318.6	1314.2	1302.0	1263.7	1196.9	1111.1	996.1	902.0	875.5	907.9	973.1
130°	1399.2	1393.3	1371.6	1330.1	1264.8	1183.8	1067.2	960.5	922.9	942.7	1000.0
132.5°	1476.7	1459.7	1441.1	1396.5	1336.0	1251.8	1133.6	1022.1	970.4	979.1	1023.7
135°	1575.1	1559.3	1535.6	1492.1	1434.8	1351.8	1233.2	1112.7	1041.5	1033.6	1059.3
137.5°	1661.7	1645.1	1618.2	1580.7	1522.9	1449.0	1335.2	1207.9	1118.2	1091.7	1101.6
140°	1715.4	1695.7	1672.0	1634.4	1583.0	1505.9	1395.3	1272.7	1172.0	1134.4	1128.5
142.5°	1759.7	1744.7	1719.4	1685.0	1639.9	1562.9	1455.4	1334.4	1227.3	1178.7	1164.8
145°	1826.1	1814.3	1786.6	1755.0	1717.4	1640.3	1541.5	1421.0	1314.2	1251.0	1221.4
147.5°	1882.2	1872.7	1851.0	1813.9	1782.2	1708.3	1618.2	1511.5	1402.0	1323.7	1285.4
150°	1917.0	1909.1	1887.4	1851.8	1820.2	1751.0	1664.1	1565.2	1460.5	1377.5	1328.1
152.5°	1950.2	1942.3	1917.4	1881.8	1855.0	1790.5	1711.5	1617.4	1511.1	1428.1	1377.1
155°	1994.1	1984.2	1960.5	1926.9	1903.2	1843.9	1770.8	1687.8	1596.9	1509.9	1452.6
157.5°	2028.9	2016.6	1994.5	1965.6	1940.3	1885.8	1822.2	1750.6	1671.2	1588.2	1529.7
160°	2049.4	2035.6	2011.9	1986.2	1962.5	1911.1	1853.8	1788.6	1715.4	1640.3	1577.1
162.5°	2063.7	2051.4	2022.9	2000.4	1979.9	1933.2	1879.1	1820.2	1755.0	1689.3	1630.8
165°	2079.1	2065.2	2035.6	2017.8	2000.0	1960.5	1913.1	1865.6	1810.3	1756.9	1709.5
167.5°	2080.3	2068.8	2039.2	2021.8	2008.7	1974.7	1936.4	1900.0	1856.9	1815.0	1775.5
170°	2077.1	2067.2	2037.6	2021.8	2011.9	1984.2	1950.6	1919.0	1885.4	1849.8	1818.2
172.5°	2066.0	2056.2	2028.1	2015.4	2010.3	1985.8	1958.5	1934.8	1906.0	1879.9	1854.6
175°	2037.6	2029.7	2006.0	1998.0	2000.0	1984.2	1964.5	1950.6	1932.8	1917.0	1903.2
177.5°	1996.1	1991.3	1973.9	1973.9	1980.3	1970.8	1964.5	1958.1	1950.2	1945.5	1940.7
180°	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5



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CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2373.4	2373.4	2373.4	2373.4	2373.4	2373.4	2373.4	2373.4	2373.4	2373.4	2373.4
2.5°	2372.4	2368.4	2369.2	2370.4	2372.8	2375.2	2372.8	2370.4	2369.2	2368.4	2372.4
5°	2371.1	2367.1	2368.1	2371.1	2380.2	2389.2	2380.2	2371.1	2368.1	2367.1	2371.1
7.5°	2363.7	2362.0	2365.4	2370.2	2379.0	2387.9	2379.0	2370.2	2365.4	2362.0	2363.7
10°	2356.1	2355.6	2360.6	2366.4	2374.4	2382.4	2374.4	2366.4	2360.6	2355.6	2356.1
12.5°	2346.2	2346.9	2352.8	2359.1	2367.2	2375.2	2367.2	2359.1	2352.8	2346.9	2346.2
15°	2324.2	2327.2	2334.2	2340.7	2345.8	2350.8	2345.8	2340.7	2334.2	2327.2	2324.2
17.5°	2287.8	2288.0	2289.8	2291.7	2294.1	2296.5	2294.1	2291.7	2289.8	2288.0	2287.8
20°	2259.6	2254.6	2247.6	2242.3	2242.3	2242.3	2242.3	2242.3	2247.6	2254.6	2259.6
22.5°	2220.0	2207.0	2187.9	2172.0	2165.5	2159.1	2165.5	2172.0	2187.9	2207.0	2220.0
25°	2141.6	2111.9	2072.8	2039.6	2024.5	2009.5	2024.5	2039.6	2072.8	2111.9	2141.6
27.5°	2034.8	1987.1	1931.4	1884.5	1863.6	1842.7	1863.6	1884.5	1931.4	1987.1	2034.8
30°	1948.2	1888.4	1827.1	1776.2	1756.1	1736.0	1756.1	1776.2	1827.1	1888.4	1948.2
32.5°	1857.8	1789.6	1725.9	1672.7	1651.0	1629.3	1651.0	1672.7	1725.9	1789.6	1857.8
35°	1716.1	1638.3	1574.0	1521.0	1501.9	1482.8	1501.9	1521.0	1574.0	1638.3	1716.1
37.5°	1574.0	1491.6	1424.3	1368.6	1347.5	1326.4	1347.5	1368.6	1424.3	1491.6	1574.0
40°	1474.8	1390.4	1323.1	1267.3	1246.2	1225.1	1246.2	1267.3	1323.1	1390.4	1474.8
42.5°	1378.9	1294.5	1227.2	1171.3	1149.4	1127.5	1149.4	1171.3	1227.2	1294.5	1378.9
45°	1233.9	1149.5	1084.2	1030.0	1008.9	987.8	1008.9	1030.0	1084.2	1149.5	1233.9
47.5°	1097.3	1014.0	950.7	898.7	880.6	862.6	880.6	898.7	950.7	1014.0	1097.3
50°	1009.9	929.0	865.7	812.7	790.6	768.5	790.6	812.7	865.7	929.0	1009.9
52.5°	925.5	845.0	780.1	723.9	693.8	663.6	693.8	723.9	780.1	845.0	925.5
55°	802.4	721.1	648.7	590.2	573.1	556.1	573.1	590.2	648.7	721.1	802.4
57.5°	689.2	615.4	549.7	496.9	482.9	468.8	482.9	496.9	549.7	615.4	689.2
60°	613.8	546.5	491.3	446.3	432.2	418.2	432.2	446.3	491.3	546.5	613.8
62.5°	540.3	479.8	435.8	399.9	388.2	376.6	388.2	399.9	435.8	479.8	540.3
65°	450.3	400.1	363.9	334.3	324.2	314.2	324.2	334.3	363.9	400.1	450.3
67.5°	372.5	331.8	300.0	274.6	267.9	261.3	267.9	274.6	300.0	331.8	372.5
70°	322.2	287.6	261.5	240.6	235.6	230.6	235.6	240.6	261.5	287.6	322.2
72.5°	274.2	245.2	224.7	208.5	205.0	201.6	205.0	208.5	224.7	245.2	274.2
75°	210.2	189.6	175.6	164.5	162.5	160.5	162.5	164.5	175.6	189.6	210.2
77.5°	155.5	140.3	129.9	121.7	120.1	118.4	120.1	121.7	129.9	140.3	155.5
80°	120.6	109.0	101.0	94.9	94.9	94.9	94.9	94.9	101.0	109.0	120.6
82.5°	86.0	78.5	74.4	71.4	71.4	71.4	71.4	71.4	74.4	78.5	86.0
85°	45.0	39.9	33.9	29.1	28.1	27.1	28.1	29.1	33.9	39.9	45.0
87.5°	18.3	18.7	20.7	21.6	23.2	22.4	23.2	21.6	20.7	18.7	18.3
90°	45.5	59.3	73.1	81.0	88.9	85.0	88.9	81.0	73.1	59.3	45.5
92.5°	91.3	114.6	131.6	145.9	152.2	151.4	152.2	145.9	131.6	114.6	91.3
95°	183.8	211.5	239.1	258.9	270.8	266.8	270.8	258.9	239.1	211.5	183.8
97.5°	283.4	320.6	351.4	370.0	381.8	389.7	381.8	370.0	351.4	320.6	283.4
100°	349.8	385.4	421.0	442.7	462.5	470.4	462.5	442.7	421.0	385.4	349.8
102.5°	403.6	450.2	488.9	512.3	528.9	536.8	528.9	512.3	488.9	450.2	403.6
105°	492.1	541.5	583.0	612.7	630.4	636.4	630.4	612.7	583.0	541.5	492.1
107.5°	580.6	631.6	670.0	702.8	724.5	737.2	724.5	702.8	670.0	631.6	580.6
110°	650.2	691.7	733.2	762.9	784.6	792.5	784.6	762.9	733.2	691.7	650.2



TEST NUMBER: P1428457

CATALOG NUMBER: SQ2W-PW1-K-125U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	708.7	754.9	796.5	826.1	851.0	862.1	851.0	826.1	796.5	754.9	708.7
115°	790.5	851.8	889.3	917.0	934.8	944.7	934.8	917.0	889.3	851.8	790.5
117.5°	858.5	922.5	963.6	985.0	993.3	1000.4	993.3	985.0	963.6	922.5	858.5
120°	901.2	960.5	1007.9	1035.6	1045.5	1049.4	1045.5	1035.6	1007.9	960.5	901.2
122.5°	940.7	996.8	1042.7	1076.7	1092.9	1096.9	1092.9	1076.7	1042.7	996.8	940.7
125°	996.1	1049.4	1096.9	1130.4	1148.2	1158.1	1148.2	1130.4	1096.9	1049.4	996.1
127.5°	1044.3	1102.0	1145.5	1175.9	1193.3	1201.2	1193.3	1175.9	1145.5	1102.0	1044.3
130°	1071.2	1130.4	1173.9	1207.5	1223.3	1231.2	1223.3	1207.5	1173.9	1130.4	1071.2
132.5°	1091.7	1154.2	1199.2	1229.7	1247.1	1255.0	1247.1	1229.7	1199.2	1154.2	1091.7
135°	1116.6	1181.8	1229.3	1258.9	1274.7	1282.6	1274.7	1258.9	1229.3	1181.8	1116.6
137.5°	1138.4	1197.6	1247.1	1278.3	1292.5	1297.6	1292.5	1278.3	1247.1	1197.6	1138.4
140°	1154.2	1205.5	1255.0	1284.6	1300.4	1302.4	1300.4	1284.6	1255.0	1205.5	1154.2
142.5°	1174.7	1215.0	1258.1	1287.8	1303.6	1307.1	1303.6	1287.8	1258.1	1215.0	1174.7
145°	1211.5	1235.2	1264.8	1292.5	1306.3	1310.3	1306.3	1292.5	1264.8	1235.2	1211.5
147.5°	1257.7	1265.2	1280.6	1298.8	1312.3	1315.0	1312.3	1298.8	1280.6	1265.2	1257.7
150°	1292.5	1290.5	1296.5	1308.3	1320.2	1318.2	1320.2	1308.3	1296.5	1290.5	1292.5
152.5°	1332.0	1320.6	1320.2	1325.7	1331.2	1330.8	1331.2	1325.7	1320.2	1320.6	1332.0
155°	1399.2	1377.5	1365.6	1361.7	1361.7	1359.7	1361.7	1361.7	1365.6	1377.5	1399.2
157.5°	1473.1	1442.7	1424.9	1415.4	1412.7	1408.3	1412.7	1415.4	1424.9	1442.7	1473.1
160°	1523.7	1490.1	1472.3	1456.5	1450.6	1444.7	1450.6	1456.5	1472.3	1490.1	1523.7
162.5°	1571.2	1539.1	1519.8	1505.6	1499.6	1490.5	1499.6	1505.6	1519.8	1539.1	1571.2
165°	1648.2	1614.6	1592.9	1581.0	1573.1	1565.2	1573.1	1581.0	1592.9	1614.6	1648.2
167.5°	1725.3	1688.6	1674.3	1660.9	1653.4	1639.1	1653.4	1660.9	1674.3	1688.6	1725.3
170°	1772.7	1739.2	1731.2	1719.4	1705.6	1689.7	1705.6	1719.4	1731.2	1739.2	1772.7
172.5°	1813.9	1791.3	1783.4	1771.6	1767.2	1754.6	1767.2	1771.6	1783.4	1791.3	1813.9
175°	1873.5	1855.8	1855.8	1853.8	1847.8	1836.0	1847.8	1853.8	1855.8	1855.8	1873.5
177.5°	1923.3	1913.9	1920.2	1920.2	1918.6	1907.5	1918.6	1920.2	1920.2	1913.9	1923.3
180°	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5



TEST NUMBER: P1428457

CATALOG NUMBER: SQ2W-PW1-K-125U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2373.4	2373.4	2373.4	2373.4
2.5°	2381.2	2384.4	2370.8	2357.1
5°	2380.2	2382.7	2365.6	2348.5
7.5°	2370.5	2371.3	2354.1	2336.8
10°	2362.1	2362.1	2344.0	2325.9
12.5°	2350.6	2349.2	2330.4	2311.5
15°	2325.2	2320.9	2300.8	2280.7
17.5°	2289.2	2285.2	2265.1	2245.0
20°	2262.6	2259.9	2239.8	2219.7
22.5°	2227.1	2226.9	2205.2	2183.5
25°	2161.7	2171.5	2150.4	2129.3
27.5°	2074.6	2100.1	2083.1	2066.0
30°	2006.5	2046.9	2033.8	2020.8
32.5°	1930.5	1983.8	1978.8	1973.8
35°	1807.5	1878.4	1887.4	1896.5
37.5°	1671.5	1751.3	1778.2	1805.1
40°	1576.2	1661.9	1700.1	1738.2
42.5°	1480.4	1568.5	1616.3	1664.1
45°	1337.4	1429.1	1485.3	1541.6
47.5°	1200.6	1292.0	1347.8	1403.7
50°	1108.3	1195.7	1250.0	1304.2
52.5°	1021.5	1105.7	1154.4	1203.0
55°	892.8	972.2	1018.4	1064.6
57.5°	770.9	842.3	882.3	922.2
60°	693.2	761.5	796.7	831.8
62.5°	617.2	682.7	713.9	745.0
65°	514.6	568.6	591.7	614.8
67.5°	422.1	462.5	475.4	488.2
70°	365.4	398.8	402.8	406.9
72.5°	311.8	339.6	338.0	336.3
75°	237.3	255.7	247.6	239.6
77.5°	175.4	187.3	175.3	163.2
80°	135.6	143.9	131.9	119.8
82.5°	97.0	102.9	93.3	83.6
85°	49.0	50.7	45.7	40.7
87.5°	20.4	20.0	16.0	12.0
90°	35.6	21.7	13.8	5.9
92.5°	76.7	53.4	37.5	21.7
95°	154.2	122.5	87.0	61.3
97.5°	245.5	194.5	159.3	117.0
100°	294.5	245.1	211.5	166.0
102.5°	348.2	306.7	260.5	215.0
105°	444.7	393.3	339.9	288.5
107.5°	534.0	477.5	413.4	367.2
110°	590.9	529.7	462.5	421.0



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CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	646.3	583.4	514.6	473.1
115°	721.4	652.2	588.9	553.4
117.5°	793.7	722.5	655.7	627.7
120°	838.0	766.8	701.6	679.8
122.5°	874.3	804.8	744.3	735.2
125°	928.9	857.7	806.3	818.2
127.5°	973.1	907.9	875.5	902.0
130°	1000.0	942.7	922.9	960.5
132.5°	1023.7	979.1	970.4	1022.1
135°	1059.3	1033.6	1041.5	1112.7
137.5°	1101.6	1091.7	1118.2	1207.9
140°	1128.5	1134.4	1172.0	1272.7
142.5°	1164.8	1178.7	1227.3	1334.4
145°	1221.4	1251.0	1314.2	1421.0
147.5°	1285.4	1323.7	1402.0	1511.5
150°	1328.1	1377.5	1460.5	1565.2
152.5°	1377.1	1428.1	1511.1	1617.4
155°	1452.6	1509.9	1596.9	1687.8
157.5°	1529.7	1588.2	1671.2	1750.6
160°	1577.1	1640.3	1715.4	1788.6
162.5°	1630.8	1689.3	1755.0	1820.2
165°	1709.5	1756.9	1810.3	1865.6
167.5°	1775.5	1815.0	1856.9	1900.0
170°	1818.2	1849.8	1885.4	1919.0
172.5°	1854.6	1879.9	1906.0	1934.8
175°	1903.2	1917.0	1932.8	1950.6
177.5°	1940.7	1945.5	1950.2	1958.1
180°	1956.5	1956.5	1956.5	1956.5



TEST NUMBER: P1428457
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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	19.39	20.20	20.37	21.19	22.49	15.64	16.45	16.62	17.44	18.74
	3H	20.69	21.41	21.68	22.41	23.73	16.90	17.63	17.90	18.63	19.95
	4H	21.09	21.78	22.10	22.78	24.11	17.41	18.09	18.41	19.09	20.43
	6H	21.27	21.90	22.29	22.91	24.25	17.71	18.34	18.73	19.35	20.69
	8H	21.31	21.91	22.34	22.93	24.27	17.83	18.42	18.85	19.45	20.79
	12H	21.31	21.88	22.34	22.90	24.26	17.85	18.42	18.88	19.44	20.80
4H	2H	19.52	20.20	20.53	21.20	22.53	16.44	17.12	17.45	18.13	19.46
	3H	21.05	21.62	22.07	22.65	23.99	17.88	18.45	18.90	19.48	20.83
	4H	21.59	22.11	22.62	23.14	24.50	18.46	18.98	19.49	20.00	21.37
	6H	21.90	22.35	22.94	23.39	24.76	18.84	19.29	19.88	20.33	21.70
	8H	21.99	22.41	23.03	23.45	24.83	18.99	19.41	20.03	20.45	21.83
	12H	22.01	22.39	23.07	23.44	24.83	19.03	19.41	20.09	20.46	21.84
8H	4H	21.63	22.04	22.67	23.08	24.46	18.80	19.21	19.84	20.25	21.63
	6H	22.05	22.39	23.11	23.47	24.85	19.29	19.63	20.35	20.71	22.09
	8H	22.22	22.52	23.29	23.59	24.98	19.51	19.81	20.58	20.88	22.27
	12H	22.30	22.56	23.37	23.62	25.06	19.59	19.86	20.66	20.92	22.35
12H	4H	21.59	21.96	22.64	23.01	24.40	18.82	19.19	19.87	20.24	21.63
	6H	22.04	22.34	23.11	23.41	24.81	19.37	19.67	20.44	20.73	22.13
	8H	22.23	22.50	23.30	23.56	24.99	19.61	19.87	20.68	20.93	22.37