

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: P1428646

Luminaire Tested: SQ2W-WBN-K-125U-125D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428646
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2308-130-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-WBN-K-125U-125D-L940-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - WHITE DISCREET BAFFLE, NARROW 35-DEGREE OPTIC
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

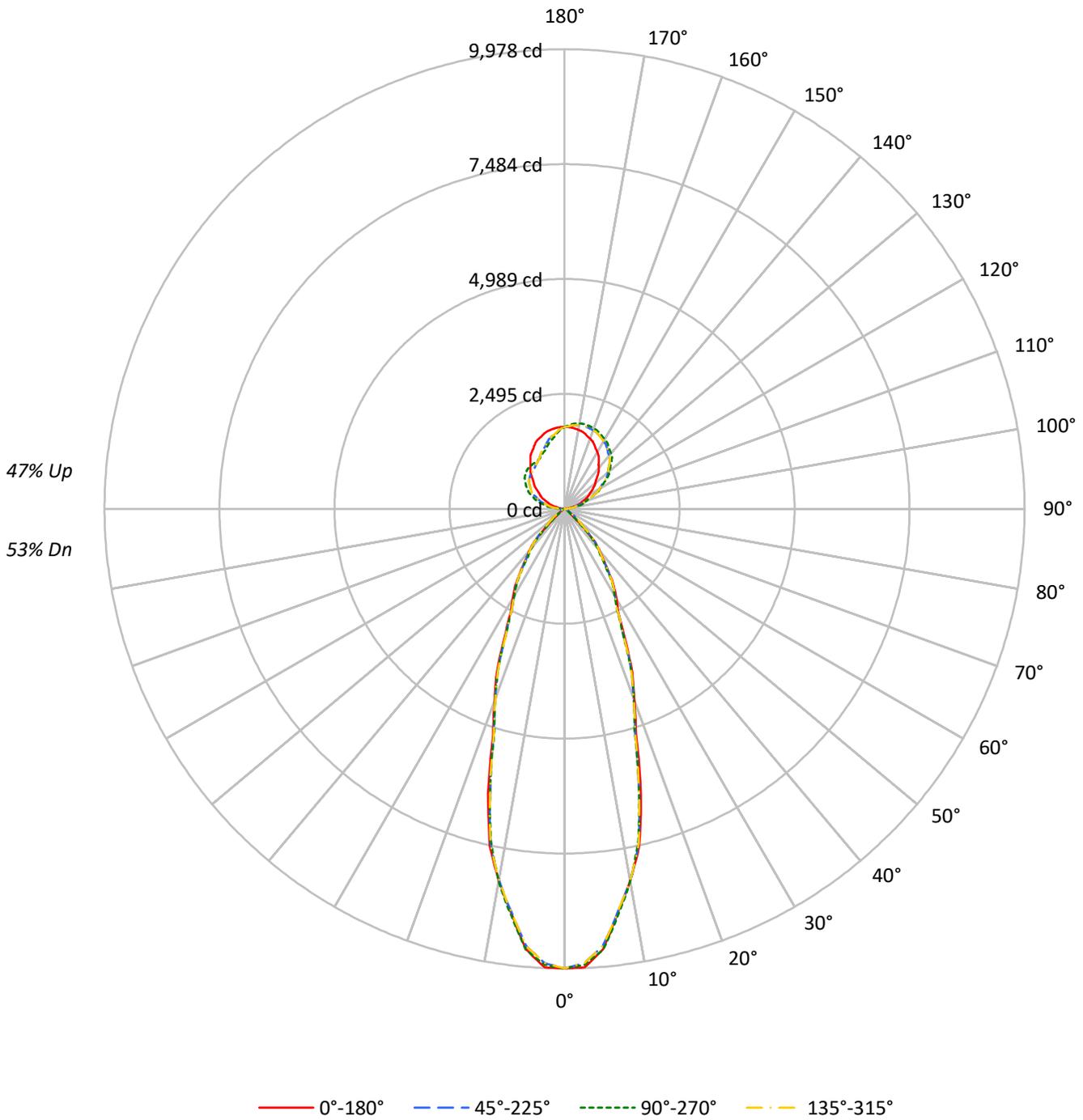
Lumens per Lamp: N/A
Luminaire Lumens: 10986.4 lumens
Efficiency: N/A
Efficacy: 117.1 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 93.8
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

TEST NUMBER: P1428646

CATALOG NUMBER: SQ2W-WBN-K-125U-125D-L940-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1428646

CATALOG NUMBER: SQ2W-WBN-K-125U-125D-L940-UNV-STD-W-WM-4

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	108	108	108	108	100	100	100	100	85	85	85	71	71	71	59	59	59	53				
1	101	97	94	92	93	91	88	86	78	76	75	66	65	64	55	55	54	49				
2	94	88	83	79	87	82	78	75	72	69	66	62	60	58	52	51	50	46				
3	88	80	75	70	82	75	70	66	66	62	59	57	55	53	49	48	46	42				
4	82	74	67	62	77	69	64	59	61	57	54	53	51	48	46	44	43	40				
5	77	68	61	56	72	64	58	54	57	52	49	50	47	44	44	42	40	37				
6	72	62	56	51	68	59	53	49	53	48	45	47	44	41	41	39	37	35				
7	68	58	51	47	64	55	49	45	49	45	42	44	41	38	39	37	35	33				
8	64	54	47	43	60	51	46	42	46	42	39	42	38	36	37	35	33	31				
9	61	50	44	40	57	48	42	39	44	39	36	39	36	33	35	33	31	29				
10	57	47	41	37	54	45	40	36	41	37	34	37	34	31	34	31	29	28				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	161097	161097	161097	161097
5°	155544	155716	155544	155716
10°	134446	134765	134446	134765
15°	106985	104026	106985	104026
20°	76002	75545	76002	75545
25°	54678	53227	54678	53227
30°	41778	40557	41778	40557
35°	32794	31398	32794	31398
40°	24847	23317	24847	23317
45°	13903	12408	13903	12408
50°	4890	4313	4890	4313
55°	2989	2840	2989	2840
60°	2286	2115	2286	2115
65°	2097	1960	2097	1960
70°	2006	1836	2006	1836
75°	1878	1765	1878	1765
80°	1646	1646	1646	1646
85°	1649	1315	1649	1315

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 16486 cd/sqm



TEST NUMBER: P1428646

CATALOG NUMBER: SQ2W-WBN-K-125U-125D-L940-UNV-STD-W-WM-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	866.1	7.9
10°-20°	1721.4	15.7
20°-30°	1425.6	13.0
30°-40°	1025.5	9.3
40°-50°	522.4	4.8
50°-60°	135.8	1.2
60°-70°	56.4	0.5
70°-80°	31.3	0.3
80°-90°	16.7	0.2
90°-100°	141.3	1.3
100°-110°	412.2	3.8
110°-120°	672.6	6.1
120°-130°	853.5	7.8
130°-140°	913.3	8.3
140°-150°	852.8	7.8
150°-160°	701.7	6.4
160°-170°	470.6	4.3
170°-180°	167.1	1.5
0°-30°	4013.1	36.5
0°-40°	5038.6	45.9
0°-60°	5696.9	51.9
0°-90°	5801.3	52.8
90°-120°	1226.1	11.2
90°-150°	3845.7	35.0
90°-180°	5185.0	47.2
0°-180°	10986.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	9978	9978	9978	9978	9978	
5°	9597	9608	9597	9608	9597	866
15°	6400	6224	6400	6224	6400	1737
25°	3069	2988	3069	2988	3069	1444
35°	1664	1593	1664	1593	1664	1044
45°	609	543	609	543	609	487
55°	106	101	106	101	106	104
65°	55	51	55	51	55	55
75°	30	28	30	28	30	32
85°	9	7	9	7	9	9
90°	5	40	5	77	5	5
95°	56	41	56	242	56	67
105°	262	420	262	578	262	279
115°	502	696	502	857	502	495
125°	743	1103	743	1051	743	664
135°	1010	1444	1010	1164	1010	780
145°	1290	1665	1290	1189	1290	807
155°	1532	1808	1532	1234	1532	704
165°	1693	1885	1693	1421	1693	477
175°	1770	1846	1770	1666	1770	168
180°	1776	1776	1776	1776	1776	



TEST NUMBER: P1428646

CATALOG NUMBER: SQ2W-WBN-K-125U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	9977.8	9977.8	9977.8	9977.8	9977.8	9977.8	9977.8	9977.8	9977.8	9977.8	9977.8
2.5°	9962.2	9954.6	9947.1	9913.6	9871.4	9868.0	9903.2	9927.4	9918.6	9909.8	9918.6
5°	9597.2	9590.9	9584.6	9555.9	9519.7	9532.3	9593.7	9636.2	9622.0	9607.8	9622.0
7.5°	8843.5	8848.9	8854.2	8839.5	8818.1	8834.6	8888.8	8925.8	8910.7	8895.6	8910.7
10°	8200.6	8214.8	8229.0	8208.9	8177.4	8201.4	8280.9	8327.1	8273.6	8220.1	8273.6
12.5°	7491.2	7482.1	7473.0	7454.6	7433.2	7428.9	7441.6	7443.8	7414.2	7384.7	7414.2
15°	6400.5	6367.5	6334.4	6283.7	6227.0	6208.6	6228.2	6240.8	6232.2	6223.5	6232.2
17.5°	5155.5	5168.2	5180.9	5146.6	5096.6	5070.6	5068.7	5064.9	5055.1	5045.4	5055.1
20°	4423.4	4427.3	4431.2	4409.8	4379.9	4372.8	4388.5	4400.0	4398.4	4396.8	4398.4
22.5°	3834.3	3835.1	3835.9	3807.5	3769.4	3762.0	3785.3	3799.2	3785.1	3770.9	3785.1
25°	3069.3	3066.9	3064.5	3045.7	3021.3	3003.2	2991.4	2983.1	2985.5	2987.8	2985.5
27.5°	2517.0	2507.3	2497.5	2481.4	2463.1	2457.9	2465.8	2470.2	2464.4	2458.6	2464.4
30°	2240.9	2233.0	2225.2	2209.0	2190.1	2183.1	2187.8	2189.6	2182.5	2175.4	2182.5
32.5°	1993.1	1993.4	1993.7	1979.2	1959.6	1948.8	1946.6	1943.6	1938.4	1933.2	1938.4
35°	1663.8	1668.6	1673.3	1661.5	1644.2	1629.6	1617.8	1607.2	1600.1	1593.0	1600.1
37.5°	1370.0	1374.4	1378.8	1369.0	1354.3	1338.4	1321.0	1306.6	1300.6	1294.6	1300.6
40°	1178.9	1182.0	1185.1	1178.3	1168.0	1152.7	1132.2	1115.7	1111.0	1106.3	1111.0
42.5°	970.7	983.9	997.1	992.8	982.5	967.8	948.6	931.6	921.3	910.9	921.3
45°	608.9	650.6	692.3	711.0	722.0	716.9	695.6	664.6	604.0	543.4	604.0
47.5°	308.0	365.7	423.5	464.9	501.0	489.5	430.5	371.4	311.9	252.4	311.9
50°	194.7	234.8	274.9	325.7	380.0	368.2	290.3	225.2	198.4	171.7	198.4
52.5°	149.4	170.0	190.6	238.8	296.3	290.8	222.3	167.3	152.5	137.7	152.5
55°	106.2	114.1	121.9	148.7	181.7	179.8	142.8	113.5	107.2	100.9	107.2
57.5°	82.1	86.5	90.9	100.9	112.7	111.6	97.6	86.1	82.2	78.2	82.2
60°	70.8	73.9	77.1	82.0	87.5	86.7	79.7	73.4	69.4	65.5	69.4
62.5°	63.7	65.6	67.5	69.7	72.1	71.0	66.4	62.7	61.2	59.8	61.2
65°	54.9	55.7	56.4	56.6	56.6	55.9	54.3	52.9	52.1	51.3	52.1
67.5°	46.7	47.5	48.3	48.4	48.2	47.8	47.0	46.2	45.4	44.6	45.4
70°	42.5	43.3	44.1	43.7	42.9	42.1	41.3	40.5	39.7	38.9	39.7
72.5°	36.8	37.6	38.4	38.0	37.2	36.7	36.6	36.3	35.5	34.7	35.5
75°	30.1	30.1	30.1	30.1	30.1	29.7	28.9	28.3	28.3	28.3	28.3
77.5°	23.4	23.5	23.7	23.1	22.3	21.9	21.9	21.8	21.2	20.5	21.2
80°	17.7	18.5	19.3	18.9	18.1	17.7	17.7	17.7	17.7	17.7	17.7
82.5°	14.9	15.0	15.2	14.6	13.8	13.5	13.5	13.5	13.5	13.5	13.5
85°	8.9	8.9	8.9	8.3	7.5	7.5	8.3	8.7	7.9	7.1	7.9
87.5°	3.9	5.3	7.1	8.6	9.6	10.0	10.0	10.4	10.7	10.7	10.7
90°	5.4	12.6	21.5	28.7	34.1	35.9	35.9	37.7	39.5	39.5	39.5
92.5°	19.7	31.2	31.6	31.6	38.4	41.6	44.5	44.8	46.6	46.6	46.6
95°	55.6	61.0	91.5	89.7	61.0	48.4	41.3	41.3	41.3	41.3	41.3
97.5°	106.2	114.1	119.1	159.6	168.6	162.9	132.7	111.6	99.7	94.4	99.7
100°	150.7	154.3	165.0	166.8	211.7	254.7	233.2	206.3	197.3	191.9	197.3
102.5°	195.2	197.3	213.8	221.4	231.8	256.2	330.8	322.5	316.4	315.3	316.4
105°	261.9	263.7	294.2	308.5	315.7	315.7	313.9	349.8	407.2	419.7	407.2
107.5°	333.3	341.5	377.4	415.8	424.0	426.2	416.9	411.5	409.3	410.8	409.3
110°	382.1	394.6	437.7	486.1	498.7	502.3	498.7	493.3	489.7	489.7	489.7



TEST NUMBER: P1428646

CATALOG NUMBER: SQ2W-WBN-K-125U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	429.4	447.7	496.5	552.1	573.3	584.1	576.2	572.2	568.6	571.5	568.6
115°	502.3	529.2	593.7	651.1	694.2	699.6	697.8	697.8	696.0	696.0	696.0
117.5°	569.7	612.8	685.2	752.0	801.8	816.2	823.3	821.2	819.0	822.6	819.0
120°	617.1	667.3	749.8	825.1	873.6	895.1	902.3	898.7	902.3	898.7	902.3
122.5°	667.3	729.0	810.1	888.3	945.3	969.7	978.3	979.0	979.8	977.6	979.8
125°	742.6	818.0	913.0	993.8	1052.9	1081.6	1088.8	1090.6	1094.2	1103.2	1094.2
127.5°	818.7	904.1	1008.5	1086.3	1146.9	1181.7	1192.9	1196.8	1204.3	1208.3	1204.3
130°	871.8	968.6	1074.5	1148.0	1207.2	1244.9	1264.6	1270.0	1279.0	1277.2	1279.0
132.5°	927.7	1028.9	1136.2	1212.6	1267.5	1308.0	1324.9	1340.3	1343.5	1346.1	1343.5
135°	1009.9	1119.3	1226.9	1302.3	1354.3	1393.8	1415.3	1429.6	1438.6	1444.0	1438.6
137.5°	1096.4	1211.9	1315.2	1382.3	1434.7	1468.7	1493.1	1508.2	1517.5	1521.8	1517.5
140°	1155.2	1266.4	1366.9	1436.8	1483.5	1517.5	1539.1	1557.0	1567.8	1567.8	1567.8
142.5°	1211.2	1320.9	1418.5	1488.5	1529.4	1560.6	1583.5	1597.2	1609.4	1609.4	1609.4
145°	1289.7	1399.1	1488.8	1558.8	1592.9	1621.6	1646.7	1657.5	1664.6	1664.6	1664.6
147.5°	1371.9	1468.7	1550.5	1617.6	1646.3	1680.1	1699.8	1708.4	1717.4	1713.4	1717.4
150°	1420.7	1510.4	1589.3	1652.1	1680.8	1713.1	1732.8	1740.0	1748.9	1743.6	1748.9
152.5°	1468.0	1553.4	1625.2	1683.6	1708.0	1740.3	1762.9	1770.1	1776.2	1772.3	1776.2
155°	1531.9	1607.2	1673.6	1727.4	1748.9	1779.4	1801.0	1809.9	1817.1	1808.1	1817.1
157.5°	1588.9	1653.9	1711.6	1761.1	1784.1	1810.3	1830.4	1841.5	1848.7	1844.7	1848.7
160°	1623.4	1682.6	1734.6	1781.2	1802.7	1826.1	1847.6	1860.1	1867.3	1861.9	1867.3
162.5°	1652.1	1705.5	1754.7	1797.0	1815.7	1836.1	1861.9	1873.1	1880.2	1873.4	1880.2
165°	1693.3	1736.4	1779.4	1815.3	1831.4	1847.6	1874.5	1887.1	1892.4	1885.3	1892.4
167.5°	1724.5	1757.5	1792.3	1823.2	1835.0	1850.8	1877.7	1888.1	1894.9	1886.0	1894.9
170°	1741.8	1770.5	1801.0	1826.1	1835.0	1849.4	1876.3	1885.3	1890.6	1881.7	1890.6
172.5°	1756.1	1777.6	1802.4	1824.6	1829.3	1840.8	1866.2	1875.2	1879.2	1871.6	1879.2
175°	1770.5	1783.0	1801.0	1815.3	1813.5	1820.7	1842.2	1849.4	1856.6	1845.8	1856.6
177.5°	1777.3	1783.0	1788.8	1797.4	1791.6	1791.6	1807.4	1811.7	1813.2	1807.4	1813.2
180°	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8



TEST NUMBER: P1428646

CATALOG NUMBER: SQ2W-WBN-K-125U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	9977.8	9977.8	9977.8	9977.8	9977.8	9977.8	9977.8	9977.8	9977.8	9977.8	9977.8
2.5°	9927.4	9903.2	9868.0	9871.4	9913.6	9947.1	9954.6	9962.2	9954.6	9947.1	9913.6
5°	9636.2	9593.7	9532.3	9519.7	9555.9	9584.6	9590.9	9597.2	9590.9	9584.6	9555.9
7.5°	8925.8	8888.8	8834.6	8818.1	8839.5	8854.2	8848.9	8843.5	8848.9	8854.2	8839.5
10°	8327.1	8280.9	8201.4	8177.4	8208.9	8229.0	8214.8	8200.6	8214.8	8229.0	8208.9
12.5°	7443.8	7441.6	7428.9	7433.2	7454.6	7473.0	7482.1	7491.2	7482.1	7473.0	7454.6
15°	6240.8	6228.2	6208.6	6227.0	6283.7	6334.4	6367.5	6400.5	6367.5	6334.4	6283.7
17.5°	5064.9	5068.7	5070.6	5096.6	5146.6	5180.9	5168.2	5155.5	5168.2	5180.9	5146.6
20°	4400.0	4388.5	4372.8	4379.9	4409.8	4431.2	4427.3	4423.4	4427.3	4431.2	4409.8
22.5°	3799.2	3785.3	3762.0	3769.4	3807.5	3835.9	3835.1	3834.3	3835.1	3835.9	3807.5
25°	2983.1	2991.4	3003.2	3021.3	3045.7	3064.5	3066.9	3069.3	3066.9	3064.5	3045.7
27.5°	2470.2	2465.8	2457.9	2463.1	2481.4	2497.5	2507.3	2517.0	2507.3	2497.5	2481.4
30°	2189.6	2187.8	2183.1	2190.1	2209.0	2225.2	2233.0	2240.9	2233.0	2225.2	2209.0
32.5°	1943.6	1946.6	1948.8	1959.6	1979.2	1993.7	1993.4	1993.1	1993.4	1993.7	1979.2
35°	1607.2	1617.8	1629.6	1644.2	1661.5	1673.3	1668.6	1663.8	1668.6	1673.3	1661.5
37.5°	1306.6	1321.0	1338.4	1354.3	1369.0	1378.8	1374.4	1370.0	1374.4	1378.8	1369.0
40°	1115.7	1132.2	1152.7	1168.0	1178.3	1185.1	1182.0	1178.9	1182.0	1185.1	1178.3
42.5°	931.6	948.6	967.8	982.5	992.8	997.1	983.9	970.7	983.9	997.1	992.8
45°	664.6	695.6	716.9	722.0	711.0	692.3	650.6	608.9	650.6	692.3	711.0
47.5°	371.4	430.5	489.5	501.0	464.9	423.5	365.7	308.0	365.7	423.5	464.9
50°	225.2	290.3	368.2	380.0	325.7	274.9	234.8	194.7	234.8	274.9	325.7
52.5°	167.3	222.3	290.8	296.3	238.8	190.6	170.0	149.4	170.0	190.6	238.8
55°	113.5	142.8	179.8	181.7	148.7	121.9	114.1	106.2	114.1	121.9	148.7
57.5°	86.1	97.6	111.6	112.7	100.9	90.9	86.5	82.1	86.5	90.9	100.9
60°	73.4	79.7	86.7	87.5	82.0	77.1	73.9	70.8	73.9	77.1	82.0
62.5°	62.7	66.4	71.0	72.1	69.7	67.5	65.6	63.7	65.6	67.5	69.7
65°	52.9	54.3	55.9	56.6	56.6	56.4	55.7	54.9	55.7	56.4	56.6
67.5°	46.2	47.0	47.8	48.2	48.4	48.3	47.5	46.7	47.5	48.3	48.4
70°	40.5	41.3	42.1	42.9	43.7	44.1	43.3	42.5	43.3	44.1	43.7
72.5°	36.3	36.6	36.7	37.2	38.0	38.4	37.6	36.8	37.6	38.4	38.0
75°	28.3	28.9	29.7	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
77.5°	21.8	21.9	21.9	22.3	23.1	23.7	23.5	23.4	23.5	23.7	23.1
80°	17.7	17.7	17.7	18.1	18.9	19.3	18.5	17.7	18.5	19.3	18.9
82.5°	13.5	13.5	13.5	13.8	14.6	15.2	15.0	14.9	15.0	15.2	14.6
85°	8.7	8.3	7.5	7.5	8.3	8.9	8.9	8.9	8.9	8.9	8.3
87.5°	10.4	10.0	10.0	9.6	8.6	7.1	5.3	3.9	5.3	6.8	9.3
90°	37.7	35.9	35.9	34.1	28.7	21.5	12.6	5.4	12.6	19.7	32.3
92.5°	44.8	44.5	41.6	38.4	31.6	31.6	31.2	19.7	34.1	48.4	69.6
95°	41.3	41.3	48.4	61.0	89.7	91.5	61.0	55.6	78.9	111.2	139.9
97.5°	111.6	132.7	162.9	168.6	159.6	119.1	114.1	106.2	144.6	176.5	222.8
100°	206.3	233.2	254.7	211.7	166.8	165.0	154.3	150.7	191.9	222.4	267.3
102.5°	322.5	330.8	256.2	231.8	221.4	213.8	197.3	195.2	236.4	278.4	316.1
105°	349.8	313.9	315.7	315.7	308.5	294.2	263.7	261.9	308.5	357.0	403.6
107.5°	411.5	416.9	426.2	424.0	415.8	377.4	341.5	333.3	375.3	433.4	484.7
110°	493.3	498.7	502.3	498.7	486.1	437.7	394.6	382.1	419.7	480.7	536.3



TEST NUMBER: P1428646

CATALOG NUMBER: SQ2W-WBN-K-125U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	572.2	576.2	584.1	573.3	552.1	496.5	447.7	429.4	467.1	529.5	586.6
115°	697.8	697.8	699.6	694.2	651.1	593.7	529.2	502.3	534.5	591.9	654.7
117.5°	821.2	823.3	816.2	801.8	752.0	685.2	612.8	569.7	595.2	655.8	720.4
120°	898.7	902.3	895.1	873.6	825.1	749.8	667.3	617.1	636.8	696.0	760.6
122.5°	979.0	978.3	969.7	945.3	888.3	810.1	729.0	667.3	675.5	730.4	793.6
125°	1090.6	1088.8	1081.6	1052.9	993.8	913.0	818.0	742.6	731.9	778.5	843.1
127.5°	1196.8	1192.9	1181.7	1146.9	1086.3	1008.5	904.1	818.7	794.6	824.1	883.3
130°	1270.0	1264.6	1244.9	1207.2	1148.0	1074.5	968.6	871.8	837.7	855.6	907.7
132.5°	1340.3	1324.9	1308.0	1267.5	1212.6	1136.2	1028.9	927.7	880.7	888.6	929.2
135°	1429.6	1415.3	1393.8	1354.3	1302.3	1226.9	1119.3	1009.9	945.3	938.1	961.5
137.5°	1508.2	1493.1	1468.7	1434.7	1382.3	1315.2	1211.9	1096.4	1014.9	990.9	999.9
140°	1557.0	1539.1	1517.5	1483.5	1436.8	1366.9	1266.4	1155.2	1063.7	1029.6	1024.2
142.5°	1597.2	1583.5	1560.6	1529.4	1488.5	1418.5	1320.9	1211.2	1113.9	1069.8	1057.3
145°	1657.5	1646.7	1621.6	1592.9	1558.8	1488.8	1399.1	1289.7	1192.9	1135.5	1108.6
147.5°	1708.4	1699.8	1680.1	1646.3	1617.6	1550.5	1468.7	1371.9	1272.5	1201.5	1166.7
150°	1740.0	1732.8	1713.1	1680.8	1652.1	1589.3	1510.4	1420.7	1325.6	1250.3	1205.4
152.5°	1770.1	1762.9	1740.3	1708.0	1683.6	1625.2	1553.4	1468.0	1371.5	1296.2	1249.9
155°	1809.9	1801.0	1779.4	1748.9	1727.4	1673.6	1607.2	1531.9	1449.4	1370.4	1318.4
157.5°	1841.5	1830.4	1810.3	1784.1	1761.1	1711.6	1653.9	1588.9	1516.8	1441.5	1388.4
160°	1860.1	1847.6	1826.1	1802.7	1781.2	1734.6	1682.6	1623.4	1557.0	1488.8	1431.4
162.5°	1873.1	1861.9	1836.1	1815.7	1797.0	1754.7	1705.5	1652.1	1592.9	1533.3	1480.2
165°	1887.1	1874.5	1847.6	1831.4	1815.3	1779.4	1736.4	1693.3	1643.1	1594.7	1551.6
167.5°	1888.1	1877.7	1850.8	1835.0	1823.2	1792.3	1757.5	1724.5	1685.4	1647.4	1611.5
170°	1885.3	1876.3	1849.4	1835.0	1826.1	1801.0	1770.5	1741.8	1711.3	1679.0	1650.3
172.5°	1875.2	1866.2	1840.8	1829.3	1824.6	1802.4	1777.6	1756.1	1729.9	1706.2	1683.3
175°	1849.4	1842.2	1820.7	1813.5	1815.3	1801.0	1783.0	1770.5	1754.3	1740.0	1727.4
177.5°	1811.7	1807.4	1791.6	1791.6	1797.4	1788.8	1783.0	1777.3	1770.1	1765.8	1761.5
180°	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8



TEST NUMBER: P1428646

CATALOG NUMBER: SQ2W-WBN-K-125U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	9977.8	9977.8	9977.8	9977.8	9977.8	9977.8	9977.8	9977.8	9977.8	9977.8	9977.8
2.5°	9871.4	9868.0	9903.2	9927.4	9918.6	9909.8	9918.6	9927.4	9903.2	9868.0	9871.4
5°	9519.7	9532.3	9593.7	9636.2	9622.0	9607.8	9622.0	9636.2	9593.7	9532.3	9519.7
7.5°	8818.1	8834.6	8888.8	8925.8	8910.7	8895.6	8910.7	8925.8	8888.8	8834.6	8818.1
10°	8177.4	8201.4	8280.9	8327.1	8273.6	8220.1	8273.6	8327.1	8280.9	8201.4	8177.4
12.5°	7433.2	7428.9	7441.6	7443.8	7414.2	7384.7	7414.2	7443.8	7441.6	7428.9	7433.2
15°	6227.0	6208.6	6228.2	6240.8	6232.2	6223.5	6232.2	6240.8	6228.2	6208.6	6227.0
17.5°	5096.6	5070.6	5068.7	5064.9	5055.1	5045.4	5055.1	5064.9	5068.7	5070.6	5096.6
20°	4379.9	4372.8	4388.5	4400.0	4398.4	4396.8	4398.4	4400.0	4388.5	4372.8	4379.9
22.5°	3769.4	3762.0	3785.3	3799.2	3785.1	3770.9	3785.1	3799.2	3785.3	3762.0	3769.4
25°	3021.3	3003.2	2991.4	2983.1	2985.5	2987.8	2985.5	2983.1	2991.4	3003.2	3021.3
27.5°	2463.1	2457.9	2465.8	2470.2	2464.4	2458.6	2464.4	2470.2	2465.8	2457.9	2463.1
30°	2190.1	2183.1	2187.8	2189.6	2182.5	2175.4	2182.5	2189.6	2187.8	2183.1	2190.1
32.5°	1959.6	1948.8	1946.6	1943.6	1938.4	1933.2	1938.4	1943.6	1946.6	1948.8	1959.6
35°	1644.2	1629.6	1617.8	1607.2	1600.1	1593.0	1600.1	1607.2	1617.8	1629.6	1644.2
37.5°	1354.3	1338.4	1321.0	1306.6	1300.6	1294.6	1300.6	1306.6	1321.0	1338.4	1354.3
40°	1168.0	1152.7	1132.2	1115.7	1111.0	1106.3	1111.0	1115.7	1132.2	1152.7	1168.0
42.5°	982.5	967.8	948.6	931.6	921.3	910.9	921.3	931.6	948.6	967.8	982.5
45°	722.0	716.9	695.6	664.6	604.0	543.4	604.0	664.6	695.6	716.9	722.0
47.5°	501.0	489.5	430.5	371.4	311.9	252.4	311.9	371.4	430.5	489.5	501.0
50°	380.0	368.2	290.3	225.2	198.4	171.7	198.4	225.2	290.3	368.2	380.0
52.5°	296.3	290.8	222.3	167.3	152.5	137.7	152.5	167.3	222.3	290.8	296.3
55°	181.7	179.8	142.8	113.5	107.2	100.9	107.2	113.5	142.8	179.8	181.7
57.5°	112.7	111.6	97.6	86.1	82.2	78.2	82.2	86.1	97.6	111.6	112.7
60°	87.5	86.7	79.7	73.4	69.4	65.5	69.4	73.4	79.7	86.7	87.5
62.5°	72.1	71.0	66.4	62.7	61.2	59.8	61.2	62.7	66.4	71.0	72.1
65°	56.6	55.9	54.3	52.9	52.1	51.3	52.1	52.9	54.3	55.9	56.6
67.5°	48.2	47.8	47.0	46.2	45.4	44.6	45.4	46.2	47.0	47.8	48.2
70°	42.9	42.1	41.3	40.5	39.7	38.9	39.7	40.5	41.3	42.1	42.9
72.5°	37.2	36.7	36.6	36.3	35.5	34.7	35.5	36.3	36.6	36.7	37.2
75°	30.1	29.7	28.9	28.3	28.3	28.3	28.3	28.3	28.9	29.7	30.1
77.5°	22.3	21.9	21.9	21.8	21.2	20.5	21.2	21.8	21.9	21.9	22.3
80°	18.1	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	18.1
82.5°	13.8	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.8
85°	7.5	7.5	8.3	8.7	7.9	7.1	7.9	8.7	8.3	7.5	7.5
87.5°	11.1	13.6	16.1	17.5	19.0	18.3	19.0	17.5	16.1	13.6	11.1
90°	41.3	53.8	66.4	73.5	80.7	77.1	80.7	73.5	66.4	53.8	41.3
92.5°	82.9	104.0	119.5	132.4	138.1	137.4	138.1	132.4	119.5	104.0	82.9
95°	166.8	191.9	217.0	235.0	245.7	242.2	245.7	235.0	217.0	191.9	166.8
97.5°	257.2	291.0	318.9	335.8	346.6	353.7	346.6	335.8	318.9	291.0	257.2
100°	317.5	349.8	382.1	401.8	419.7	426.9	419.7	401.8	382.1	349.8	317.5
102.5°	366.3	408.6	443.8	464.9	480.0	487.2	480.0	464.9	443.8	408.6	366.3
105°	446.7	491.5	529.2	556.1	572.2	577.6	572.2	556.1	529.2	491.5	446.7
107.5°	527.0	573.3	608.1	637.9	657.6	669.1	657.6	608.1	573.3	527.0	527.0
110°	590.2	627.8	665.5	692.4	712.1	719.3	712.1	692.4	665.5	627.8	590.2



TEST NUMBER: P1428646

CATALOG NUMBER: SQ2W-WBN-K-125U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	643.2	685.2	722.9	749.8	772.4	782.4	772.4	749.8	722.9	685.2	643.2
115°	717.5	773.1	807.2	832.3	848.5	857.4	848.5	832.3	807.2	773.1	717.5
117.5°	779.2	837.3	874.6	894.0	901.6	908.0	901.6	894.0	874.6	837.3	779.2
120°	818.0	871.8	914.8	939.9	948.9	952.5	948.9	939.9	914.8	871.8	818.0
122.5°	853.8	904.8	946.4	977.3	992.0	995.5	992.0	977.3	946.4	904.8	853.8
125°	904.1	952.5	995.5	1026.0	1042.2	1051.2	1042.2	1026.0	995.5	952.5	904.1
127.5°	947.8	1000.2	1039.7	1067.3	1083.1	1090.3	1083.1	1067.3	1039.7	1000.2	947.8
130°	972.2	1026.0	1065.5	1096.0	1110.3	1117.5	1110.3	1096.0	1065.5	1026.0	972.2
132.5°	990.9	1047.6	1088.5	1116.1	1131.9	1139.0	1131.9	1116.1	1088.5	1047.6	990.9
135°	1013.5	1072.7	1115.7	1142.6	1157.0	1164.2	1157.0	1142.6	1115.7	1072.7	1013.5
137.5°	1033.2	1087.0	1131.9	1160.2	1173.1	1177.8	1173.1	1160.2	1131.9	1087.0	1033.2
140°	1047.6	1094.2	1139.0	1166.0	1180.3	1182.1	1180.3	1166.0	1139.0	1094.2	1047.6
142.5°	1066.2	1102.8	1141.9	1168.8	1183.2	1186.4	1183.2	1168.8	1141.9	1102.8	1066.2
145°	1099.6	1121.1	1148.0	1173.1	1185.7	1189.3	1185.7	1173.1	1148.0	1121.1	1099.6
147.5°	1141.6	1148.4	1162.4	1178.9	1191.1	1193.6	1191.1	1178.9	1162.4	1148.4	1141.6
150°	1173.1	1171.3	1176.7	1187.5	1198.2	1196.5	1198.2	1187.5	1176.7	1171.3	1173.1
152.5°	1209.0	1198.6	1198.2	1203.3	1208.3	1207.9	1208.3	1203.3	1198.2	1198.6	1209.0
155°	1270.0	1250.3	1239.5	1235.9	1235.9	1234.1	1235.9	1235.9	1239.5	1250.3	1270.0
157.5°	1337.1	1309.5	1293.3	1284.7	1282.2	1278.2	1282.2	1284.7	1293.3	1309.5	1337.1
160°	1383.0	1352.5	1336.4	1322.0	1316.6	1311.3	1316.6	1322.0	1336.4	1352.5	1383.0
162.5°	1426.1	1397.0	1379.4	1366.5	1361.1	1352.9	1361.1	1366.5	1379.4	1397.0	1426.1
165°	1496.0	1465.5	1445.8	1435.0	1427.8	1420.7	1427.8	1435.0	1445.8	1465.5	1496.0
167.5°	1566.0	1532.6	1519.7	1507.5	1500.7	1487.8	1500.7	1507.5	1519.7	1532.6	1566.0
170°	1609.0	1578.5	1571.4	1560.6	1548.0	1533.7	1548.0	1560.6	1571.4	1578.5	1609.0
172.5°	1646.3	1625.9	1618.7	1607.9	1604.0	1592.5	1604.0	1607.9	1618.7	1625.9	1646.3
175°	1700.5	1684.4	1684.4	1682.6	1677.2	1666.4	1677.2	1682.6	1684.4	1684.4	1700.5
177.5°	1745.7	1737.1	1742.8	1742.8	1741.4	1731.4	1741.4	1742.8	1742.8	1737.1	1745.7
180°	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8



TEST NUMBER: P1428646

CATALOG NUMBER: SQ2W-WBN-K-125U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	9977.8	9977.8	9977.8	9977.8
2.5°	9913.6	9947.1	9954.6	9962.2
5°	9555.9	9584.6	9590.9	9597.2
7.5°	8839.5	8854.2	8848.9	8843.5
10°	8208.9	8229.0	8214.8	8200.6
12.5°	7454.6	7473.0	7482.1	7491.2
15°	6283.7	6334.4	6367.5	6400.5
17.5°	5146.6	5180.9	5168.2	5155.5
20°	4409.8	4431.2	4427.3	4423.4
22.5°	3807.5	3835.9	3835.1	3834.3
25°	3045.7	3064.5	3066.9	3069.3
27.5°	2481.4	2497.5	2507.3	2517.0
30°	2209.0	2225.2	2233.0	2240.9
32.5°	1979.2	1993.7	1993.4	1993.1
35°	1661.5	1673.3	1668.6	1663.8
37.5°	1369.0	1378.8	1374.4	1370.0
40°	1178.3	1185.1	1182.0	1178.9
42.5°	992.8	997.1	983.9	970.7
45°	711.0	692.3	650.6	608.9
47.5°	464.9	423.5	365.7	308.0
50°	325.7	274.9	234.8	194.7
52.5°	238.8	190.6	170.0	149.4
55°	148.7	121.9	114.1	106.2
57.5°	100.9	90.9	86.5	82.1
60°	82.0	77.1	73.9	70.8
62.5°	69.7	67.5	65.6	63.7
65°	56.6	56.4	55.7	54.9
67.5°	48.4	48.3	47.5	46.7
70°	43.7	44.1	43.3	42.5
72.5°	38.0	38.4	37.6	36.8
75°	30.1	30.1	30.1	30.1
77.5°	23.1	23.7	23.5	23.4
80°	18.9	19.3	18.5	17.7
82.5°	14.6	15.2	15.0	14.9
85°	8.3	8.9	8.9	8.9
87.5°	9.3	6.8	5.3	3.9
90°	32.3	19.7	12.6	5.4
92.5°	69.6	48.4	34.1	19.7
95°	139.9	111.2	78.9	55.6
97.5°	222.8	176.5	144.6	106.2
100°	267.3	222.4	191.9	150.7
102.5°	316.1	278.4	236.4	195.2
105°	403.6	357.0	308.5	261.9
107.5°	484.7	433.4	375.3	333.3
110°	536.3	480.7	419.7	382.1



TEST NUMBER: P1428646

CATALOG NUMBER: SQ2W-WBN-K-125U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	586.6	529.5	467.1	429.4
115°	654.7	591.9	534.5	502.3
117.5°	720.4	655.8	595.2	569.7
120°	760.6	696.0	636.8	617.1
122.5°	793.6	730.4	675.5	667.3
125°	843.1	778.5	731.9	742.6
127.5°	883.3	824.1	794.6	818.7
130°	907.7	855.6	837.7	871.8
132.5°	929.2	888.6	880.7	927.7
135°	961.5	938.1	945.3	1009.9
137.5°	999.9	990.9	1014.9	1096.4
140°	1024.2	1029.6	1063.7	1155.2
142.5°	1057.3	1069.8	1113.9	1211.2
145°	1108.6	1135.5	1192.9	1289.7
147.5°	1166.7	1201.5	1272.5	1371.9
150°	1205.4	1250.3	1325.6	1420.7
152.5°	1249.9	1296.2	1371.5	1468.0
155°	1318.4	1370.4	1449.4	1531.9
157.5°	1388.4	1441.5	1516.8	1588.9
160°	1431.4	1488.8	1557.0	1623.4
162.5°	1480.2	1533.3	1592.9	1652.1
165°	1551.6	1594.7	1643.1	1693.3
167.5°	1611.5	1647.4	1685.4	1724.5
170°	1650.3	1679.0	1711.3	1741.8
172.5°	1683.3	1706.2	1729.9	1756.1
175°	1727.4	1740.0	1754.3	1770.5
177.5°	1761.5	1765.8	1770.1	1777.3
180°	1775.8	1775.8	1775.8	1775.8



TEST NUMBER: P1428646
 CATALOG NUMBER: SQ2W-WBN-K-125U-125D-L940-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	4.09	4.79	5.07	5.74	6.99	3.72	4.41	4.69	5.37	6.62
	3H	5.31	5.93	6.30	6.90	8.17	4.92	5.54	5.91	6.51	7.78
	4H	5.83	6.42	6.83	7.39	8.67	5.44	6.02	6.43	6.99	8.27
	6H	6.18	6.72	7.19	7.70	8.98	5.77	6.30	6.77	7.28	8.57
	8H	6.33	6.83	7.34	7.83	9.11	5.91	6.41	6.92	7.40	8.69
	12H	6.42	6.90	7.44	7.89	9.19	5.98	6.46	6.99	7.44	8.75
4H	2H	4.41	4.99	5.41	5.96	7.24	4.10	4.68	5.10	5.65	6.93
	3H	5.90	6.38	6.91	7.39	8.68	5.56	6.04	6.57	7.05	8.33
	4H	6.55	6.99	7.56	7.98	9.30	6.20	6.64	7.21	7.63	8.94
	6H	7.04	7.41	8.06	8.43	9.74	6.65	7.03	7.68	8.05	9.36
	8H	7.25	7.60	8.27	8.61	9.93	6.85	7.20	7.87	8.21	9.53
	12H	7.39	7.70	8.43	8.72	10.05	6.96	7.27	8.00	8.30	9.62
8H	4H	6.71	7.06	7.73	8.07	9.39	6.39	6.74	7.42	7.75	9.08
	6H	7.35	7.63	8.39	8.68	10.00	6.99	7.27	8.04	8.33	9.65
	8H	7.66	7.91	8.72	8.95	10.29	7.28	7.53	8.34	8.57	9.91
	12H	7.89	8.11	8.95	9.14	10.53	7.48	7.70	8.54	8.73	10.12
12H	4H	6.69	7.00	7.73	8.03	9.35	6.38	6.69	7.42	7.72	9.05
	6H	7.38	7.63	8.43	8.67	10.01	7.04	7.29	8.09	8.33	9.67
	8H	7.73	7.95	8.78	8.98	10.36	7.36	7.58	8.42	8.61	10.00