

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: P1428458

Luminaire Tested: SQ2W-PW1-K-125U-100D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428458
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-L930-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: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

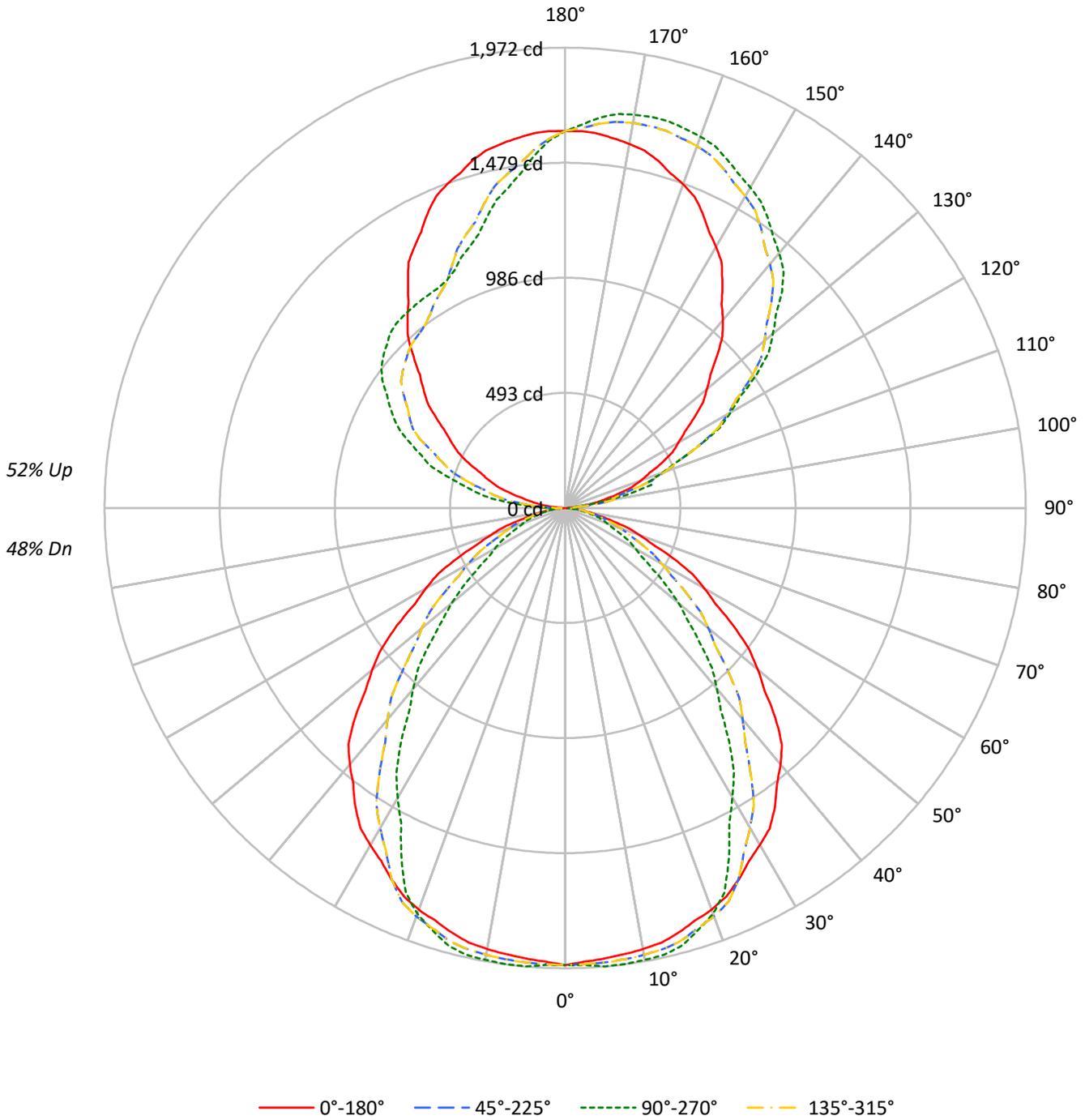
Lumens per Lamp: N/A
Luminaire Lumens: 9067.7 lumens
Efficiency: N/A
Efficacy: 111.1 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.11 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 81.6
Input Voltage (V): 120
Input Current (A_{in}): 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	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54	48				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°	31624	31624	31624	31624
5°	31413	31957	31413	31957
10°	31471	32235	31471	32235
15°	31463	32429	31463	32429
20°	31475	31797	31475	31797
25°	31306	29544	31306	29544
30°	31091	26710	31091	26710
35°	30848	24121	30848	24121
40°	30236	21310	30236	21310
45°	29051	18614	29051	18614
50°	27037	15932	27037	15932
55°	24732	12918	24732	12918
60°	22168	11144	22168	11144
65°	19385	9906	19385	9906
70°	15852	8983	15852	8983
75°	12333	8259	12333	8259
80°	9196	7280	9196	7280
85°	6224	4150	6224	4150

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 29051 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.5	2.1
10°-20°	540.4	6.0
20°-30°	795.3	8.8
30°-40°	869.6	9.6
40°-50°	780.1	8.6
50°-60°	581.9	6.4
60°-70°	367.8	4.1
70°-80°	182.2	2.0
80°-90°	49.3	0.5
90°-100°	128.5	1.4
100°-110°	374.8	4.1
110°-120°	611.6	6.7
120°-130°	776.1	8.6
130°-140°	830.4	9.2
140°-150°	775.4	8.6
150°-160°	638.1	7.0
160°-170°	427.9	4.7
170°-180°	151.9	1.7
0°-30°	1522.2	16.8
0°-40°	2391.8	26.4
0°-60°	3753.7	41.4
0°-90°	4353.0	48.0
90°-120°	1114.9	12.3
90°-150°	3496.8	38.6
90°-180°	4715.0	52.0
0°-180°	9067.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1959	1959	1959	1959	1959	
5°	1938	1972	1938	1972	1938	184
15°	1882	1940	1882	1940	1882	531
25°	1757	1658	1757	1658	1757	809
35°	1565	1224	1565	1224	1565	976
45°	1272	815	1272	815	1272	976
55°	879	459	879	459	879	785
65°	507	259	507	259	507	503
75°	198	132	198	132	198	218
85°	34	22	34	22	34	43
90°	5	36	5	70	5	5
95°	51	38	51	220	51	61
105°	238	382	238	525	238	253
115°	457	633	457	780	457	450
125°	675	1003	675	956	675	604
135°	918	1313	918	1058	918	710
145°	1173	1514	1173	1081	1173	734
155°	1393	1644	1393	1122	1393	640
165°	1540	1714	1540	1292	1540	433
175°	1610	1678	1610	1515	1610	153
180°	1615	1615	1615	1615	1615	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1958.7	1958.7	1958.7	1958.7	1958.7	1958.7	1958.7	1958.7	1958.7	1958.7	1958.7
2.5°	1945.3	1956.6	1967.9	1965.2	1957.9	1954.6	1955.3	1956.3	1958.3	1960.2	1958.3
5°	1938.2	1952.3	1966.4	1964.3	1956.9	1953.6	1954.4	1956.9	1964.3	1971.8	1964.3
7.5°	1928.5	1942.8	1957.0	1956.4	1950.7	1949.3	1952.2	1956.1	1963.4	1970.7	1963.4
10°	1919.6	1934.5	1949.4	1949.4	1944.4	1944.0	1948.2	1952.9	1959.6	1966.2	1959.6
12.5°	1907.6	1923.2	1938.8	1940.0	1936.3	1936.9	1941.7	1947.0	1953.6	1960.2	1953.6
15°	1882.3	1898.8	1915.4	1919.0	1918.1	1920.6	1926.4	1931.8	1935.9	1940.1	1935.9
17.5°	1852.8	1869.4	1886.0	1889.2	1888.1	1888.2	1889.7	1891.3	1893.3	1895.3	1893.3
20°	1831.9	1848.5	1865.1	1867.3	1864.9	1860.7	1854.9	1850.6	1850.6	1850.6	1850.6
22.5°	1802.0	1820.0	1837.9	1838.0	1832.2	1821.4	1805.7	1792.5	1787.2	1781.9	1787.2
25°	1757.3	1774.7	1792.1	1784.0	1767.4	1743.0	1710.6	1683.3	1670.8	1658.4	1670.8
27.5°	1705.0	1719.1	1733.2	1712.1	1679.3	1639.9	1594.0	1555.2	1538.0	1520.7	1538.0
30°	1667.7	1678.5	1689.3	1655.9	1607.8	1558.5	1507.9	1465.8	1449.3	1432.7	1449.3
32.5°	1628.9	1633.1	1637.2	1593.2	1533.2	1476.9	1424.4	1380.5	1362.5	1344.6	1362.5
35°	1565.1	1557.7	1550.2	1491.8	1416.3	1352.1	1299.0	1255.3	1239.5	1223.8	1239.5
37.5°	1489.8	1467.5	1445.3	1379.5	1299.0	1231.0	1175.5	1129.5	1112.1	1094.7	1112.1
40°	1434.6	1403.0	1371.5	1300.9	1217.1	1147.5	1091.9	1045.9	1028.5	1011.1	1028.5
42.5°	1373.4	1333.9	1294.4	1221.8	1138.0	1068.4	1012.8	966.6	948.6	930.5	948.6
45°	1272.3	1225.8	1179.4	1103.7	1018.3	948.7	894.8	850.0	832.6	815.2	832.6
47.5°	1158.5	1112.4	1066.3	990.8	905.6	836.9	784.6	741.7	726.8	711.9	726.8
50°	1076.4	1031.6	986.8	914.7	833.5	766.7	714.5	670.7	652.5	634.3	652.5
52.5°	992.8	952.7	912.5	843.1	763.8	697.4	643.8	597.4	572.6	547.7	572.6
55°	878.6	840.5	802.4	736.9	662.2	595.1	535.4	487.1	473.0	458.9	473.0
57.5°	761.1	728.1	695.1	636.3	568.8	507.9	453.7	410.1	398.5	386.9	398.5
60°	686.5	657.5	628.5	572.1	506.6	451.0	405.4	368.3	356.7	345.1	356.7
62.5°	614.9	589.2	563.5	509.4	445.9	396.0	359.7	330.0	320.4	310.8	320.4
65°	507.4	488.3	469.3	424.7	371.6	330.2	300.3	275.9	267.6	259.3	267.6
67.5°	402.9	392.3	381.7	348.3	307.4	273.8	247.6	226.6	221.1	215.6	221.1
70°	335.8	332.5	329.2	301.6	265.9	237.3	215.8	198.6	194.4	190.3	194.4
72.5°	277.6	278.9	280.2	257.3	226.3	202.3	185.4	172.0	169.2	166.4	169.2
75°	197.7	204.4	211.0	195.9	173.5	156.5	144.9	135.8	134.1	132.4	134.1
77.5°	134.7	144.6	154.6	144.8	128.3	115.8	107.2	100.4	99.1	97.8	99.1
80°	98.9	108.8	118.8	111.9	99.5	90.0	83.3	78.3	78.3	78.3	78.3
82.5°	69.0	77.0	84.9	80.1	71.0	64.8	61.4	58.9	58.9	58.9	58.9
85°	33.6	37.7	41.9	40.4	37.1	33.0	28.0	24.0	23.2	22.4	23.2
87.5°	9.9	13.2	16.8	16.2	13.8	12.2	11.5	11.3	11.7	11.7	11.7
90°	4.9	11.4	19.6	26.1	31.0	32.6	32.6	34.3	35.9	35.9	35.9
92.5°	17.9	28.4	28.7	28.7	34.9	37.8	40.4	40.8	42.4	42.4	42.4
95°	50.6	55.5	83.2	81.6	55.5	44.0	37.5	37.5	37.5	37.5	37.5
97.5°	96.6	103.7	108.3	145.2	153.3	148.1	120.7	101.5	90.7	85.8	90.7
100°	137.0	140.3	150.1	151.7	192.5	231.6	212.0	187.6	179.4	174.5	179.4
102.5°	177.5	179.4	194.4	201.3	210.7	232.9	300.8	293.3	287.7	286.7	287.7
105°	238.1	239.8	267.5	280.5	287.1	287.1	285.4	318.1	370.2	381.7	370.2
107.5°	303.0	310.5	343.2	378.1	385.6	387.5	379.1	374.2	372.2	373.5	372.2
110°	347.4	358.8	398.0	442.0	453.4	456.7	453.4	448.5	445.3	445.3	445.3



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	390.5	407.1	451.5	502.0	521.3	531.1	523.9	520.3	517.0	519.6	517.0
115°	456.7	481.2	539.9	592.1	631.2	636.1	634.5	634.5	632.8	632.8	632.8
117.5°	518.0	557.2	623.1	683.7	729.1	742.1	748.6	746.7	744.7	748.0	744.7
120°	561.1	606.7	681.8	750.3	794.3	813.9	820.4	817.1	820.4	817.1	820.4
122.5°	606.7	662.9	736.6	807.7	859.6	881.7	889.6	890.2	890.9	888.9	890.9
125°	675.2	743.8	830.2	903.6	957.4	983.5	990.0	991.7	994.9	1003.1	994.9
127.5°	744.4	822.0	917.0	987.8	1042.9	1074.5	1084.6	1088.2	1095.1	1098.7	1095.1
130°	792.7	880.8	977.0	1043.9	1097.7	1131.9	1149.9	1154.8	1162.9	1161.3	1162.9
132.5°	843.6	935.6	1033.1	1102.6	1152.5	1189.3	1204.7	1218.7	1221.6	1223.9	1221.6
135°	918.3	1017.8	1115.6	1184.1	1231.4	1267.3	1286.9	1299.9	1308.1	1313.0	1308.1
137.5°	996.9	1101.9	1195.9	1256.9	1304.5	1335.5	1357.7	1371.4	1379.9	1383.8	1379.9
140°	1050.4	1151.5	1242.8	1306.5	1348.9	1379.9	1399.4	1415.7	1425.5	1425.5	1425.5
142.5°	1101.3	1201.1	1289.8	1353.4	1390.6	1419.0	1439.9	1452.3	1463.4	1463.4	1463.4
145°	1172.7	1272.2	1353.8	1417.4	1448.4	1474.5	1497.3	1507.1	1513.6	1513.6	1513.6
147.5°	1247.4	1335.5	1409.9	1470.9	1497.0	1527.6	1545.6	1553.4	1561.6	1558.0	1561.6
150°	1291.8	1373.3	1445.1	1502.2	1528.3	1557.6	1575.6	1582.1	1590.3	1585.4	1590.3
152.5°	1334.8	1412.5	1477.7	1530.9	1553.1	1582.4	1603.0	1609.5	1615.0	1611.5	1615.0
155°	1392.9	1461.4	1521.8	1570.7	1590.3	1618.0	1637.6	1645.7	1652.2	1644.1	1652.2
157.5°	1444.8	1503.8	1556.3	1601.3	1622.2	1646.0	1664.3	1674.4	1680.9	1677.4	1680.9
160°	1476.1	1529.9	1577.2	1619.6	1639.2	1660.4	1680.0	1691.4	1697.9	1693.0	1697.9
162.5°	1502.2	1550.8	1595.5	1634.0	1650.9	1669.5	1693.0	1703.1	1709.6	1703.5	1709.6
165°	1539.7	1578.8	1618.0	1650.6	1665.3	1680.0	1704.4	1715.8	1720.7	1714.2	1720.7
167.5°	1568.1	1598.1	1629.7	1657.8	1668.5	1682.9	1707.4	1716.8	1723.0	1714.9	1723.0
170°	1583.7	1609.8	1637.6	1660.4	1668.5	1681.6	1706.1	1714.2	1719.1	1711.0	1719.1
172.5°	1596.8	1616.4	1638.9	1659.1	1663.3	1673.8	1696.9	1705.1	1708.7	1701.8	1708.7
175°	1609.8	1621.2	1637.6	1650.6	1649.0	1655.5	1675.1	1681.6	1688.1	1678.3	1688.1
177.5°	1616.0	1621.2	1626.5	1634.3	1629.1	1629.1	1643.4	1647.3	1648.6	1643.4	1648.6
180°	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1958.7	1958.7	1958.7	1958.7	1958.7	1958.7	1958.7	1958.7	1958.7	1958.7	1958.7
2.5°	1956.3	1955.3	1954.6	1957.9	1965.2	1967.9	1956.6	1945.3	1956.6	1967.9	1965.2
5°	1956.9	1954.4	1953.6	1956.9	1964.3	1966.4	1952.3	1938.2	1952.3	1966.4	1964.3
7.5°	1956.1	1952.2	1949.3	1950.7	1956.4	1957.0	1942.8	1928.5	1942.8	1957.0	1956.4
10°	1952.9	1948.2	1944.0	1944.4	1949.4	1949.4	1934.5	1919.6	1934.5	1949.4	1949.4
12.5°	1947.0	1941.7	1936.9	1936.3	1940.0	1938.8	1923.2	1907.6	1923.2	1938.8	1940.0
15°	1931.8	1926.4	1920.6	1918.1	1919.0	1915.4	1898.8	1882.3	1898.8	1915.4	1919.0
17.5°	1891.3	1889.7	1888.2	1888.1	1889.2	1886.0	1869.4	1852.8	1869.4	1886.0	1889.2
20°	1850.6	1854.9	1860.7	1864.9	1867.3	1865.1	1848.5	1831.9	1848.5	1865.1	1867.3
22.5°	1792.5	1805.7	1821.4	1832.2	1838.0	1837.9	1820.0	1802.0	1820.0	1837.9	1838.0
25°	1683.3	1710.6	1743.0	1767.4	1784.0	1792.1	1774.7	1757.3	1774.7	1792.1	1784.0
27.5°	1555.2	1594.0	1639.9	1679.3	1712.1	1733.2	1719.1	1705.0	1719.1	1733.2	1712.1
30°	1465.8	1507.9	1558.5	1607.8	1655.9	1689.3	1678.5	1667.7	1678.5	1689.3	1655.9
32.5°	1380.5	1424.4	1476.9	1533.2	1593.2	1637.2	1633.1	1628.9	1633.1	1637.2	1593.2
35°	1255.3	1299.0	1352.1	1416.3	1491.8	1550.2	1557.7	1565.1	1557.7	1550.2	1491.8
37.5°	1129.5	1175.5	1231.0	1299.0	1379.5	1445.3	1467.5	1489.8	1467.5	1445.3	1379.5
40°	1045.9	1091.9	1147.5	1217.1	1300.9	1371.5	1403.0	1434.6	1403.0	1371.5	1300.9
42.5°	966.6	1012.8	1068.4	1138.0	1221.8	1294.4	1333.9	1373.4	1333.9	1294.4	1221.8
45°	850.0	894.8	948.7	1018.3	1103.7	1179.4	1225.8	1272.3	1225.8	1179.4	1103.7
47.5°	741.7	784.6	836.9	905.6	990.8	1066.3	1112.4	1158.5	1112.4	1066.3	990.8
50°	670.7	714.5	766.7	833.5	914.7	986.8	1031.6	1076.4	1031.6	986.8	914.7
52.5°	597.4	643.8	697.4	763.8	843.1	912.5	952.7	992.8	952.7	912.5	843.1
55°	487.1	535.4	595.1	662.2	736.9	802.4	840.5	878.6	840.5	802.4	736.9
57.5°	410.1	453.7	507.9	568.8	636.3	695.1	728.1	761.1	728.1	695.1	636.3
60°	368.3	405.4	451.0	506.6	572.1	628.5	657.5	686.5	657.5	628.5	572.1
62.5°	330.0	359.7	396.0	445.9	509.4	563.5	589.2	614.9	589.2	563.5	509.4
65°	275.9	300.3	330.2	371.6	424.7	469.3	488.3	507.4	488.3	469.3	424.7
67.5°	226.6	247.6	273.8	307.4	348.3	381.7	392.3	402.9	392.3	381.7	348.3
70°	198.6	215.8	237.3	265.9	301.6	329.2	332.5	335.8	332.5	329.2	301.6
72.5°	172.0	185.4	202.3	226.3	257.3	280.2	278.9	277.6	278.9	280.2	257.3
75°	135.8	144.9	156.5	173.5	195.9	211.0	204.4	197.7	204.4	211.0	195.9
77.5°	100.4	107.2	115.8	128.3	144.8	154.6	144.6	134.7	144.6	154.6	144.8
80°	78.3	83.3	90.0	99.5	111.9	118.8	108.8	98.9	108.8	118.8	111.9
82.5°	58.9	61.4	64.8	71.0	80.1	84.9	77.0	69.0	77.0	84.9	80.1
85°	24.0	28.0	33.0	37.1	40.4	41.9	37.7	33.6	37.7	41.9	40.4
87.5°	11.3	11.5	12.2	13.8	16.2	16.8	13.2	9.9	13.2	16.5	16.8
90°	34.3	32.6	32.6	31.0	26.1	19.6	11.4	4.9	11.4	17.9	29.4
92.5°	40.8	40.4	37.8	34.9	28.7	28.7	28.4	17.9	31.0	44.0	63.3
95°	37.5	37.5	44.0	55.5	81.6	83.2	55.5	50.6	71.8	101.1	127.2
97.5°	101.5	120.7	148.1	153.3	145.2	108.3	103.7	96.6	131.5	160.5	202.6
100°	187.6	212.0	231.6	192.5	151.7	150.1	140.3	137.0	174.5	202.2	243.0
102.5°	293.3	300.8	232.9	210.7	201.3	194.4	179.4	177.5	215.0	253.1	287.4
105°	318.1	285.4	287.1	287.1	280.5	267.5	239.8	238.1	280.5	324.6	367.0
107.5°	374.2	379.1	387.5	385.6	378.1	343.2	310.5	303.0	341.2	394.1	440.7
110°	448.5	453.4	456.7	453.4	442.0	398.0	358.8	347.4	381.7	437.1	487.7



TEST NUMBER: P1428458

CATALOG NUMBER: SQ2W-PW1-K-125U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	520.3	523.9	531.1	521.3	502.0	451.5	407.1	390.5	424.7	481.5	533.3
115°	634.5	634.5	636.1	631.2	592.1	539.9	481.2	456.7	486.0	538.2	595.3
117.5°	746.7	748.6	742.1	729.1	683.7	623.1	557.2	518.0	541.2	596.3	655.0
120°	817.1	820.4	813.9	794.3	750.3	681.8	606.7	561.1	579.0	632.8	691.6
122.5°	890.2	889.6	881.7	859.6	807.7	736.6	662.9	606.7	614.2	664.2	721.6
125°	991.7	990.0	983.5	957.4	903.6	830.2	743.8	675.2	665.5	707.9	766.6
127.5°	1088.2	1084.6	1074.5	1042.9	987.8	917.0	822.0	744.4	722.5	749.3	803.1
130°	1154.8	1149.9	1131.9	1097.7	1043.9	977.0	880.8	792.7	761.7	778.0	825.3
132.5°	1218.7	1204.7	1189.3	1152.5	1102.6	1033.1	935.6	843.6	800.8	808.0	844.9
135°	1299.9	1286.9	1267.3	1231.4	1184.1	1115.6	1017.8	918.3	859.6	853.0	874.2
137.5°	1371.4	1357.7	1335.5	1304.5	1256.9	1195.9	1101.9	996.9	922.8	901.0	909.1
140°	1415.7	1399.4	1379.9	1348.9	1306.5	1242.8	1151.5	1050.4	967.2	936.2	931.3
142.5°	1452.3	1439.9	1419.0	1390.6	1353.4	1289.8	1201.1	1101.3	1012.9	972.7	961.3
145°	1507.1	1497.3	1474.5	1448.4	1417.4	1353.8	1272.2	1172.7	1084.6	1032.4	1008.0
147.5°	1553.4	1545.6	1527.6	1497.0	1470.9	1409.9	1335.5	1247.4	1157.1	1092.5	1060.8
150°	1582.1	1575.6	1557.6	1528.3	1502.2	1445.1	1373.3	1291.8	1205.3	1136.8	1096.1
152.5°	1609.5	1603.0	1582.4	1553.1	1530.9	1477.7	1412.5	1334.8	1247.1	1178.6	1136.5
155°	1645.7	1637.6	1618.0	1590.3	1570.7	1521.8	1461.4	1392.9	1317.9	1246.1	1198.8
157.5°	1674.4	1664.3	1646.0	1622.2	1601.3	1556.3	1503.8	1444.8	1379.2	1310.7	1262.4
160°	1691.4	1680.0	1660.4	1639.2	1619.6	1577.2	1529.9	1476.1	1415.7	1353.8	1301.6
162.5°	1703.1	1693.0	1669.5	1650.9	1634.0	1595.5	1550.8	1502.2	1448.4	1394.2	1345.9
165°	1715.8	1704.4	1680.0	1665.3	1650.6	1618.0	1578.8	1539.7	1494.0	1450.0	1410.8
167.5°	1716.8	1707.4	1682.9	1668.5	1657.8	1629.7	1598.1	1568.1	1532.5	1497.9	1465.3
170°	1714.2	1706.1	1681.6	1668.5	1660.4	1637.6	1609.8	1583.7	1556.0	1526.6	1500.6
172.5°	1705.1	1696.9	1673.8	1663.3	1659.1	1638.9	1616.4	1596.8	1573.0	1551.4	1530.6
175°	1681.6	1675.1	1655.5	1649.0	1650.6	1637.6	1621.2	1609.8	1595.2	1582.1	1570.7
177.5°	1647.3	1643.4	1629.1	1629.1	1634.3	1626.5	1621.2	1616.0	1609.5	1605.6	1601.7
180°	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7



TEST NUMBER: P1428458

CATALOG NUMBER: SQ2W-PW1-K-125U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1958.7	1958.7	1958.7	1958.7	1958.7	1958.7	1958.7	1958.7	1958.7	1958.7	1958.7
2.5°	1957.9	1954.6	1955.3	1956.3	1958.3	1960.2	1958.3	1956.3	1955.3	1954.6	1957.9
5°	1956.9	1953.6	1954.4	1956.9	1964.3	1971.8	1964.3	1956.9	1954.4	1953.6	1956.9
7.5°	1950.7	1949.3	1952.2	1956.1	1963.4	1970.7	1963.4	1956.1	1952.2	1949.3	1950.7
10°	1944.4	1944.0	1948.2	1952.9	1959.6	1966.2	1959.6	1952.9	1948.2	1944.0	1944.4
12.5°	1936.3	1936.9	1941.7	1947.0	1953.6	1960.2	1953.6	1947.0	1941.7	1936.9	1936.3
15°	1918.1	1920.6	1926.4	1931.8	1935.9	1940.1	1935.9	1931.8	1926.4	1920.6	1918.1
17.5°	1888.1	1888.2	1889.7	1891.3	1893.3	1895.3	1893.3	1891.3	1889.7	1888.2	1888.1
20°	1864.9	1860.7	1854.9	1850.6	1850.6	1850.6	1850.6	1850.6	1854.9	1860.7	1864.9
22.5°	1832.2	1821.4	1805.7	1792.5	1787.2	1781.9	1787.2	1792.5	1805.7	1821.4	1832.2
25°	1767.4	1743.0	1710.6	1683.3	1670.8	1658.4	1670.8	1683.3	1710.6	1743.0	1767.4
27.5°	1679.3	1639.9	1594.0	1555.2	1538.0	1520.7	1538.0	1555.2	1594.0	1639.9	1679.3
30°	1607.8	1558.5	1507.9	1465.8	1449.3	1432.7	1449.3	1465.8	1507.9	1558.5	1607.8
32.5°	1533.2	1476.9	1424.4	1380.5	1362.5	1344.6	1362.5	1380.5	1424.4	1476.9	1533.2
35°	1416.3	1352.1	1299.0	1255.3	1239.5	1223.8	1239.5	1255.3	1299.0	1352.1	1416.3
37.5°	1299.0	1231.0	1175.5	1129.5	1112.1	1094.7	1112.1	1129.5	1175.5	1231.0	1299.0
40°	1217.1	1147.5	1091.9	1045.9	1028.5	1011.1	1028.5	1045.9	1091.9	1147.5	1217.1
42.5°	1138.0	1068.4	1012.8	966.6	948.6	930.5	948.6	966.6	1012.8	1068.4	1138.0
45°	1018.3	948.7	894.8	850.0	832.6	815.2	832.6	850.0	894.8	948.7	1018.3
47.5°	905.6	836.9	784.6	741.7	726.8	711.9	726.8	741.7	784.6	836.9	905.6
50°	833.5	766.7	714.5	670.7	652.5	634.3	652.5	670.7	714.5	766.7	833.5
52.5°	763.8	697.4	643.8	597.4	572.6	547.7	572.6	597.4	643.8	697.4	763.8
55°	662.2	595.1	535.4	487.1	473.0	458.9	473.0	487.1	535.4	595.1	662.2
57.5°	568.8	507.9	453.7	410.1	398.5	386.9	398.5	410.1	453.7	507.9	568.8
60°	506.6	451.0	405.4	368.3	356.7	345.1	356.7	368.3	405.4	451.0	506.6
62.5°	445.9	396.0	359.7	330.0	320.4	310.8	320.4	330.0	359.7	396.0	445.9
65°	371.6	330.2	300.3	275.9	267.6	259.3	267.6	275.9	300.3	330.2	371.6
67.5°	307.4	273.8	247.6	226.6	221.1	215.6	221.1	226.6	247.6	273.8	307.4
70°	265.9	237.3	215.8	198.6	194.4	190.3	194.4	198.6	215.8	237.3	265.9
72.5°	226.3	202.3	185.4	172.0	169.2	166.4	169.2	172.0	185.4	202.3	226.3
75°	173.5	156.5	144.9	135.8	134.1	132.4	134.1	135.8	144.9	156.5	173.5
77.5°	128.3	115.8	107.2	100.4	99.1	97.8	99.1	100.4	107.2	115.8	128.3
80°	99.5	90.0	83.3	78.3	78.3	78.3	78.3	78.3	83.3	90.0	99.5
82.5°	71.0	64.8	61.4	58.9	58.9	58.9	58.9	58.9	61.4	64.8	71.0
85°	37.1	33.0	28.0	24.0	23.2	22.4	23.2	24.0	28.0	33.0	37.1
87.5°	15.1	15.4	17.0	17.9	19.2	18.5	19.2	17.9	17.0	15.4	15.1
90°	37.5	48.9	60.3	66.9	73.4	70.1	73.4	66.9	60.3	48.9	37.5
92.5°	75.4	94.6	108.6	120.4	125.6	124.9	125.6	120.4	108.6	94.6	75.4
95°	151.7	174.5	197.4	213.7	223.5	220.2	223.5	213.7	197.4	174.5	151.7
97.5°	233.9	264.6	290.0	305.3	315.1	321.6	315.1	305.3	290.0	264.6	233.9
100°	288.7	318.1	347.4	365.4	381.7	388.2	381.7	365.4	347.4	318.1	288.7
102.5°	333.1	371.5	403.5	422.8	436.5	443.0	436.5	422.8	403.5	371.5	333.1
105°	406.1	446.9	481.2	505.6	520.3	525.2	520.3	505.6	481.2	446.9	406.1
107.5°	479.2	521.3	552.9	580.0	597.9	608.4	597.9	580.0	552.9	521.3	479.2
110°	536.6	570.9	605.1	629.6	647.5	654.0	647.5	629.6	605.1	570.9	536.6



TEST NUMBER: P1428458

CATALOG NUMBER: SQ2W-PW1-K-125U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	584.9	623.1	657.3	681.8	702.3	711.5	702.3	681.8	657.3	623.1	584.9
115°	652.4	703.0	734.0	756.8	771.5	779.6	771.5	756.8	734.0	703.0	652.4
117.5°	708.5	761.4	795.3	812.9	819.8	825.6	819.8	812.9	795.3	761.4	708.5
120°	743.8	792.7	831.8	854.7	862.8	866.1	862.8	854.7	831.8	792.7	743.8
122.5°	776.4	822.7	860.5	888.6	902.0	905.2	902.0	888.6	860.5	822.7	776.4
125°	822.0	866.1	905.2	933.0	947.6	955.8	947.6	933.0	905.2	866.1	822.0
127.5°	861.8	909.5	945.3	970.5	984.8	991.3	984.8	970.5	945.3	909.5	861.8
130°	884.0	933.0	968.8	996.6	1009.6	1016.1	1009.6	996.6	968.8	933.0	884.0
132.5°	901.0	952.5	989.7	1014.8	1029.2	1035.7	1029.2	1014.8	989.7	952.5	901.0
135°	921.5	975.4	1014.5	1039.0	1052.0	1058.5	1052.0	1039.0	1014.5	975.4	921.5
137.5°	939.5	988.4	1029.2	1055.0	1066.7	1070.9	1066.7	1055.0	1029.2	988.4	939.5
140°	952.5	994.9	1035.7	1060.2	1073.2	1074.9	1073.2	1060.2	1035.7	994.9	952.5
142.5°	969.5	1002.8	1038.3	1062.8	1075.8	1078.8	1075.8	1062.8	1038.3	1002.8	969.5
145°	999.8	1019.4	1043.9	1066.7	1078.1	1081.4	1078.1	1066.7	1043.9	1019.4	999.8
147.5°	1038.0	1044.2	1056.9	1071.9	1083.0	1085.3	1083.0	1071.9	1056.9	1044.2	1038.0
150°	1066.7	1065.1	1070.0	1079.7	1089.5	1087.9	1089.5	1079.7	1070.0	1065.1	1066.7
152.5°	1099.3	1089.9	1089.5	1094.1	1098.7	1098.3	1098.7	1094.1	1089.5	1089.9	1099.3
155°	1154.8	1136.8	1127.0	1123.8	1123.8	1122.2	1123.8	1123.8	1127.0	1136.8	1154.8
157.5°	1215.8	1190.7	1176.0	1168.1	1165.9	1162.3	1165.9	1168.1	1176.0	1190.7	1215.8
160°	1257.5	1229.8	1215.1	1202.1	1197.2	1192.3	1197.2	1202.1	1215.1	1229.8	1257.5
162.5°	1296.7	1270.2	1254.3	1242.5	1237.6	1230.1	1237.6	1242.5	1254.3	1270.2	1296.7
165°	1360.3	1332.6	1314.6	1304.8	1298.3	1291.8	1298.3	1304.8	1314.6	1332.6	1360.3
167.5°	1423.9	1393.6	1381.8	1370.7	1364.5	1352.8	1364.5	1370.7	1381.8	1393.6	1423.9
170°	1463.0	1435.3	1428.8	1419.0	1407.6	1394.5	1407.6	1419.0	1428.8	1435.3	1463.0
172.5°	1497.0	1478.4	1471.8	1462.1	1458.5	1448.0	1458.5	1462.1	1471.8	1478.4	1497.0
175°	1546.2	1531.5	1531.5	1529.9	1525.0	1515.2	1525.0	1529.9	1531.5	1531.5	1546.2
177.5°	1587.3	1579.5	1584.7	1584.7	1583.4	1574.3	1583.4	1584.7	1584.7	1579.5	1587.3
180°	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7



TEST NUMBER: P1428458

CATALOG NUMBER: SQ2W-PW1-K-125U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1958.7	1958.7	1958.7	1958.7
2.5°	1965.2	1967.9	1956.6	1945.3
5°	1964.3	1966.4	1952.3	1938.2
7.5°	1956.4	1957.0	1942.8	1928.5
10°	1949.4	1949.4	1934.5	1919.6
12.5°	1940.0	1938.8	1923.2	1907.6
15°	1919.0	1915.4	1898.8	1882.3
17.5°	1889.2	1886.0	1869.4	1852.8
20°	1867.3	1865.1	1848.5	1831.9
22.5°	1838.0	1837.9	1820.0	1802.0
25°	1784.0	1792.1	1774.7	1757.3
27.5°	1712.1	1733.2	1719.1	1705.0
30°	1655.9	1689.3	1678.5	1667.7
32.5°	1593.2	1637.2	1633.1	1628.9
35°	1491.8	1550.2	1557.7	1565.1
37.5°	1379.5	1445.3	1467.5	1489.8
40°	1300.9	1371.5	1403.0	1434.6
42.5°	1221.8	1294.4	1333.9	1373.4
45°	1103.7	1179.4	1225.8	1272.3
47.5°	990.8	1066.3	1112.4	1158.5
50°	914.7	986.8	1031.6	1076.4
52.5°	843.1	912.5	952.7	992.8
55°	736.9	802.4	840.5	878.6
57.5°	636.3	695.1	728.1	761.1
60°	572.1	628.5	657.5	686.5
62.5°	509.4	563.5	589.2	614.9
65°	424.7	469.3	488.3	507.4
67.5°	348.3	381.7	392.3	402.9
70°	301.6	329.2	332.5	335.8
72.5°	257.3	280.2	278.9	277.6
75°	195.9	211.0	204.4	197.7
77.5°	144.8	154.6	144.6	134.7
80°	111.9	118.8	108.8	98.9
82.5°	80.1	84.9	77.0	69.0
85°	40.4	41.9	37.7	33.6
87.5°	16.8	16.5	13.2	9.9
90°	29.4	17.9	11.4	4.9
92.5°	63.3	44.0	31.0	17.9
95°	127.2	101.1	71.8	50.6
97.5°	202.6	160.5	131.5	96.6
100°	243.0	202.2	174.5	137.0
102.5°	287.4	253.1	215.0	177.5
105°	367.0	324.6	280.5	238.1
107.5°	440.7	394.1	341.2	303.0
110°	487.7	437.1	381.7	347.4



TEST NUMBER: P1428458

CATALOG NUMBER: SQ2W-PW1-K-125U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	533.3	481.5	424.7	390.5
115°	595.3	538.2	486.0	456.7
117.5°	655.0	596.3	541.2	518.0
120°	691.6	632.8	579.0	561.1
122.5°	721.6	664.2	614.2	606.7
125°	766.6	707.9	665.5	675.2
127.5°	803.1	749.3	722.5	744.4
130°	825.3	778.0	761.7	792.7
132.5°	844.9	808.0	800.8	843.6
135°	874.2	853.0	859.6	918.3
137.5°	909.1	901.0	922.8	996.9
140°	931.3	936.2	967.2	1050.4
142.5°	961.3	972.7	1012.9	1101.3
145°	1008.0	1032.4	1084.6	1172.7
147.5°	1060.8	1092.5	1157.1	1247.4
150°	1096.1	1136.8	1205.3	1291.8
152.5°	1136.5	1178.6	1247.1	1334.8
155°	1198.8	1246.1	1317.9	1392.9
157.5°	1262.4	1310.7	1379.2	1444.8
160°	1301.6	1353.8	1415.7	1476.1
162.5°	1345.9	1394.2	1448.4	1502.2
165°	1410.8	1450.0	1494.0	1539.7
167.5°	1465.3	1497.9	1532.5	1568.1
170°	1500.6	1526.6	1556.0	1583.7
172.5°	1530.6	1551.4	1573.0	1596.8
175°	1570.7	1582.1	1595.2	1609.8
177.5°	1601.7	1605.6	1609.5	1616.0
180°	1614.7	1614.7	1614.7	1614.7



TEST NUMBER: P1428458
 CATALOG NUMBER: SQ2W-PW1-K-125U-100D-L930-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	18.72	19.53	19.71	20.52	21.82	14.97	15.78	15.95	16.77	18.07
	3H	20.02	20.74	21.01	21.74	23.07	16.24	16.96	17.23	17.96	19.28
	4H	20.43	21.11	21.43	22.11	23.44	16.74	17.42	17.75	18.43	19.76
	6H	20.60	21.23	21.62	22.24	23.58	17.05	17.67	18.06	18.68	20.03
	8H	20.65	21.24	21.67	22.27	23.61	17.16	17.76	18.18	18.78	20.12
	12H	20.65	21.21	21.67	22.23	23.59	17.19	17.75	18.21	18.77	20.14
4H	2H	18.85	19.53	19.86	20.53	21.87	15.77	16.46	16.79	17.46	18.79
	3H	20.38	20.95	21.40	21.98	23.33	17.22	17.78	18.24	18.81	20.16
	4H	20.93	21.45	21.96	22.47	23.84	17.79	18.31	18.82	19.33	20.70
	6H	21.24	21.68	22.27	22.73	24.09	18.17	18.62	19.21	19.67	21.03
	8H	21.33	21.74	22.37	22.78	24.16	18.32	18.74	19.36	19.78	21.16
	12H	21.35	21.72	22.40	22.77	24.16	18.36	18.74	19.42	19.79	21.18
8H	4H	20.96	21.38	22.00	22.42	23.80	18.13	18.55	19.17	19.59	20.97
	6H	21.38	21.72	22.44	22.81	24.18	18.62	18.97	19.69	20.05	21.42
	8H	21.55	21.85	22.62	22.92	24.32	18.84	19.14	19.91	20.21	21.61
	12H	21.63	21.89	22.70	22.95	24.39	18.92	19.19	20.00	20.25	21.69
12H	4H	20.92	21.29	21.98	22.35	23.73	18.15	18.52	19.21	19.58	20.96
	6H	21.38	21.68	22.45	22.74	24.14	18.70	19.00	19.77	20.07	21.46
	8H	21.56	21.83	22.64	22.89	24.33	18.94	19.20	20.01	20.27	21.70