

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: P1427767

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

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427767
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-F-K-100U-125D-L840-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 1000 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

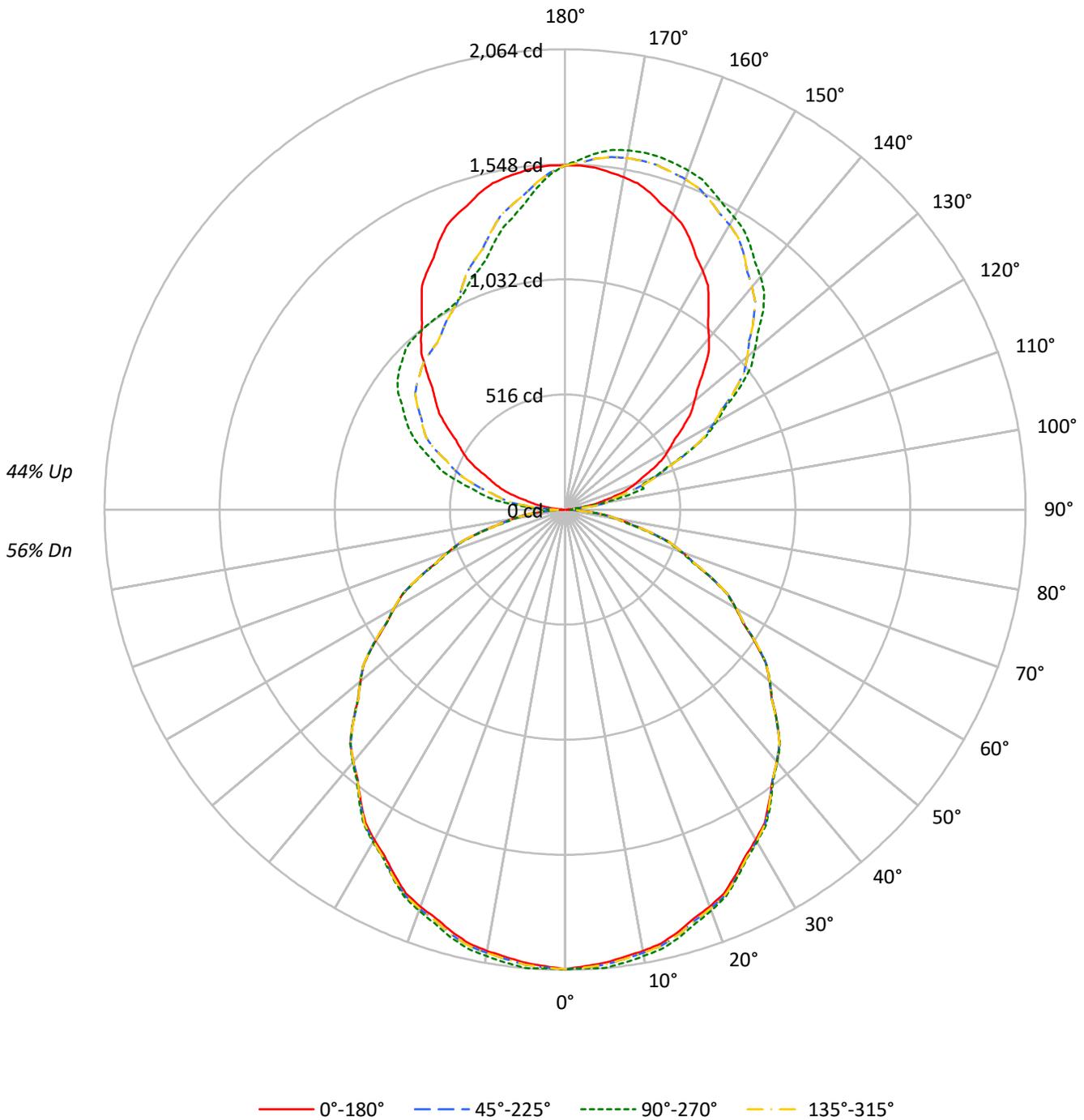
Lumens per Lamp: N/A
Luminaire Lumens: 10311.4 lumens
Efficiency: N/A
Efficacy: 125.3 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 82.3
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	109	109	109	109	101	101	101	101	87	87	87	74	74	74	62	62	62	56				
1	99	95	91	87	92	88	85	81	76	73	71	65	63	61	54	53	52	47				
2	90	82	76	71	83	77	71	67	66	62	58	57	54	51	48	45	43	39				
3	82	72	65	59	76	67	61	55	58	53	49	50	46	43	42	39	37	33				
4	75	64	56	50	69	60	52	47	52	46	42	44	40	36	37	34	32	28				
5	69	57	48	42	64	53	46	40	46	40	36	40	35	32	34	30	27	24				
6	63	51	43	37	59	48	40	35	42	36	31	36	31	28	31	27	24	21				
7	59	46	38	32	54	43	36	31	38	32	27	33	28	24	28	24	21	19				
8	54	42	34	28	50	39	32	27	34	28	24	30	25	22	26	22	19	17				
9	51	38	30	25	47	36	29	24	31	26	22	27	23	19	24	20	17	15				
10	47	35	28	23	44	33	26	22	29	23	20	25	21	18	22	18	16	14				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	33270	33270	33270	33270
5°	33068	33444	33068	33444
10°	32950	33330	32950	33330
15°	32768	33181	32768	33181
20°	32561	32886	32561	32886
25°	32211	32494	32211	32494
30°	31869	32085	31869	32085
35°	31461	31662	31461	31662
40°	31105	31195	31105	31195
45°	30649	30649	30649	30649
50°	30034	30106	30034	30106
55°	29328	29368	29328	29368
60°	28536	28536	28536	28536
65°	27606	27495	27606	27495
70°	26303	26030	26303	26030
75°	24528	23986	24528	23986
80°	21859	20781	21859	20781
85°	17469	14783	17469	14783

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 30855 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.0	1.9
10°-20°	557.1	5.4
20°-30°	838.6	8.1
30°-40°	1002.8	9.7
40°-50°	1035.5	10.0
50°-60°	934.0	9.1
60°-70°	715.5	6.9
70°-80°	413.5	4.0
80°-90°	113.8	1.1
90°-100°	122.8	1.2
100°-110°	358.2	3.5
110°-120°	584.5	5.7
120°-130°	741.7	7.2
130°-140°	793.6	7.7
140°-150°	741.1	7.2
150°-160°	609.8	5.9
160°-170°	409.0	4.0
170°-180°	145.2	1.4
0°-30°	1590.6	15.4
0°-40°	2593.4	25.2
0°-60°	4562.9	44.3
0°-90°	5805.6	56.3
90°-120°	1065.5	10.3
90°-150°	3341.8	32.4
90°-180°	4506.0	43.7
0°-180°	10311.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2061	2061	2061	2061	2061	
5°	2040	2064	2040	2064	2040	194
15°	1960	1985	1960	1985	1960	553
25°	1808	1824	1808	1824	1808	833
35°	1596	1606	1596	1606	1596	999
45°	1342	1342	1342	1342	1342	1034
55°	1042	1043	1042	1043	1042	931
65°	723	720	723	720	723	714
75°	393	384	393	384	393	416
85°	94	80	94	80	94	110
90°	5	34	5	67	5	8
95°	48	36	48	210	48	58
105°	228	365	228	502	228	242
115°	436	605	436	745	436	430
125°	645	959	645	913	645	577
135°	878	1255	878	1012	878	678
145°	1121	1446	1121	1034	1121	701
155°	1331	1571	1331	1072	1331	612
165°	1472	1638	1472	1235	1472	414
175°	1538	1604	1538	1448	1538	146
180°	1543	1543	1543	1543	1543	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2060.6	2060.6	2060.6	2060.6	2060.6	2060.6	2060.6	2060.6	2060.6	2060.6	2060.6
2.5°	2050.1	2059.9	2069.7	2065.6	2056.8	2053.5	2055.5	2057.3	2058.4	2059.4	2058.4
5°	2040.3	2053.2	2066.1	2061.5	2051.2	2046.7	2048.0	2050.6	2057.0	2063.5	2057.0
7.5°	2023.7	2036.6	2049.5	2045.4	2035.6	2031.4	2033.0	2035.8	2042.5	2049.2	2042.5
10°	2009.8	2022.7	2035.6	2031.1	2020.7	2016.9	2019.5	2022.7	2027.8	2033.0	2027.8
12.5°	1992.4	2005.3	2018.2	2014.4	2005.1	2001.3	2002.8	2005.4	2011.1	2016.7	2011.1
15°	1960.4	1973.3	1986.2	1982.7	1973.7	1970.1	1972.1	1974.8	1980.0	1985.1	1980.0
17.5°	1921.8	1934.0	1946.1	1942.8	1934.5	1931.4	1933.5	1936.3	1940.8	1945.4	1940.8
20°	1895.1	1906.8	1918.4	1915.0	1906.6	1902.7	1903.4	1905.0	1909.5	1914.0	1909.5
22.5°	1862.6	1874.2	1885.9	1882.9	1875.0	1870.3	1868.9	1869.2	1874.8	1880.3	1874.8
25°	1808.1	1819.7	1831.3	1828.9	1821.8	1817.3	1815.3	1815.0	1819.5	1824.0	1819.5
27.5°	1751.2	1760.9	1770.5	1768.5	1762.6	1759.0	1757.7	1757.5	1760.7	1764.0	1760.7
30°	1709.4	1719.1	1728.7	1726.3	1719.9	1716.0	1714.7	1714.6	1717.8	1721.0	1717.8
32.5°	1665.3	1674.4	1683.6	1680.3	1672.8	1668.9	1668.7	1669.4	1673.2	1676.9	1673.2
35°	1596.2	1604.0	1611.7	1608.3	1601.2	1598.0	1598.6	1599.9	1603.1	1606.4	1603.1
37.5°	1526.9	1532.8	1538.7	1535.3	1528.7	1525.3	1525.2	1525.8	1528.5	1531.2	1528.5
40°	1475.8	1482.2	1488.7	1485.0	1477.9	1474.0	1473.4	1473.7	1476.9	1480.1	1476.9
42.5°	1423.5	1428.4	1433.3	1430.0	1424.0	1421.1	1421.5	1422.2	1423.9	1425.6	1423.9
45°	1342.3	1346.8	1351.3	1348.1	1342.3	1339.4	1339.4	1339.7	1341.0	1342.3	1341.0
47.5°	1257.2	1260.7	1264.2	1261.7	1257.2	1254.5	1253.8	1253.7	1255.8	1257.8	1255.8
50°	1195.7	1200.2	1204.7	1202.5	1198.0	1195.1	1193.8	1193.5	1196.0	1198.6	1196.0
52.5°	1135.3	1140.4	1145.4	1143.3	1138.8	1135.6	1133.8	1133.0	1135.0	1137.1	1135.0
55°	1041.9	1047.7	1053.5	1052.1	1048.2	1045.0	1042.4	1040.8	1042.1	1043.3	1042.1
57.5°	946.4	952.1	957.8	956.7	953.3	950.1	947.0	945.1	946.9	948.7	946.9
60°	883.7	888.9	894.0	892.4	888.6	885.3	882.8	881.1	882.4	883.7	882.4
62.5°	819.9	825.0	830.2	828.2	823.8	820.3	817.7	816.1	817.4	818.7	817.4
65°	722.6	727.2	731.7	729.9	726.0	722.8	720.2	718.5	719.1	719.7	719.1
67.5°	624.6	628.4	632.3	630.5	626.7	623.0	619.2	616.7	617.7	618.8	617.7
70°	557.2	561.1	565.0	563.5	560.3	557.1	553.8	551.4	551.4	551.4	551.4
72.5°	492.2	495.6	498.9	497.0	493.2	490.0	487.3	485.2	485.2	485.2	485.2
75°	393.2	395.2	397.1	396.2	394.2	391.6	388.4	385.8	385.2	384.5	385.2
77.5°	297.8	297.8	297.8	295.9	293.5	291.0	288.6	286.5	285.8	285.0	285.8
80°	235.1	235.1	235.1	233.6	231.7	229.8	227.8	226.0	224.8	223.5	224.8
82.5°	177.0	176.0	175.0	173.3	171.3	168.9	165.9	164.0	165.3	166.6	165.3
85°	94.3	93.0	91.7	90.0	88.0	85.8	83.2	81.1	80.5	79.8	80.5
87.5°	30.0	30.2	30.7	30.5	29.9	28.4	26.4	25.0	24.8	24.3	24.8
90°	4.7	10.9	18.7	24.9	29.6	31.2	31.2	32.7	34.3	34.3	34.3
92.5°	17.1	27.1	27.4	27.4	33.4	36.2	38.7	39.0	40.5	40.5	40.5
95°	48.3	53.0	79.5	77.9	53.0	42.1	35.9	35.9	35.9	35.9	35.9
97.5°	92.3	99.1	103.5	138.7	146.5	141.5	115.3	97.0	86.7	82.0	86.7
100°	130.9	134.1	143.4	145.0	183.9	221.3	202.6	179.3	171.5	166.8	171.5
102.5°	169.6	171.5	185.8	192.4	201.4	222.6	287.4	280.3	275.0	274.0	275.0
105°	227.6	229.1	255.6	268.1	274.3	274.3	272.8	304.0	353.8	364.8	353.8
107.5°	289.6	296.8	328.0	361.3	368.5	370.4	362.3	357.6	355.7	357.0	355.7
110°	332.0	342.9	380.3	422.4	433.3	436.5	433.3	428.7	425.5	425.5	425.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	373.2	389.1	431.5	479.8	498.2	507.5	500.7	497.2	494.1	496.6	494.1
115°	436.5	459.8	516.0	565.8	603.2	607.9	606.4	606.4	604.8	604.8	604.8
117.5°	495.1	532.5	595.5	653.4	696.8	709.2	715.5	713.6	711.7	714.9	711.7
120°	536.2	579.9	651.6	717.0	759.1	777.8	784.1	780.9	784.1	780.9	784.1
122.5°	579.9	633.5	703.9	771.9	821.5	842.7	850.2	850.8	851.4	849.5	851.4
125°	645.3	710.8	793.4	863.6	915.0	939.9	946.2	947.7	950.9	958.6	950.9
127.5°	711.4	785.6	876.3	944.0	996.7	1026.9	1036.6	1040.0	1046.6	1050.0	1046.6
130°	757.6	841.7	933.7	997.6	1049.1	1081.8	1098.9	1103.6	1111.4	1109.8	1111.4
132.5°	806.2	894.1	987.3	1053.7	1101.4	1136.7	1151.3	1164.7	1167.5	1169.7	1167.5
135°	877.6	972.7	1066.2	1131.7	1176.9	1211.2	1229.9	1242.3	1250.1	1254.8	1250.1
137.5°	952.7	1053.1	1142.9	1201.2	1246.7	1276.3	1297.5	1310.6	1318.7	1322.5	1318.7
140°	1003.9	1100.5	1187.8	1248.6	1289.1	1318.7	1337.4	1353.0	1362.4	1362.4	1362.4
142.5°	1052.5	1147.9	1232.7	1293.5	1329.0	1356.1	1376.1	1387.9	1398.5	1398.5	1398.5
145°	1120.8	1215.8	1293.8	1354.6	1384.2	1409.1	1431.0	1440.3	1446.5	1446.5	1446.5
147.5°	1192.2	1276.3	1347.4	1405.7	1430.6	1459.9	1477.1	1484.6	1492.4	1488.9	1492.4
150°	1234.6	1312.5	1381.1	1435.6	1460.6	1488.6	1505.8	1512.0	1519.8	1515.1	1519.8
152.5°	1275.7	1349.9	1412.3	1463.1	1484.3	1512.3	1532.0	1538.2	1543.5	1540.1	1543.5
155°	1331.2	1396.7	1454.3	1501.1	1519.8	1546.3	1565.0	1572.8	1579.0	1571.2	1579.0
157.5°	1380.8	1437.2	1487.4	1530.4	1550.4	1573.1	1590.6	1600.2	1606.5	1603.0	1606.5
160°	1410.7	1462.1	1507.3	1547.9	1566.6	1586.8	1605.5	1616.5	1622.7	1618.0	1622.7
162.5°	1435.6	1482.1	1524.8	1561.6	1577.8	1595.6	1618.0	1627.7	1633.9	1628.0	1633.9
165°	1471.5	1508.9	1546.3	1577.5	1591.5	1605.5	1628.9	1639.8	1644.5	1638.3	1644.5
167.5°	1498.6	1527.3	1557.5	1584.3	1594.6	1608.3	1631.7	1640.8	1646.7	1638.9	1646.7
170°	1513.6	1538.5	1565.0	1586.8	1594.6	1607.1	1630.5	1638.3	1643.0	1635.2	1643.0
172.5°	1526.0	1544.7	1566.3	1585.6	1589.6	1599.6	1621.8	1629.5	1633.0	1626.4	1633.0
175°	1538.5	1549.4	1565.0	1577.5	1575.9	1582.2	1600.9	1607.1	1613.3	1604.0	1613.3
177.5°	1544.4	1549.4	1554.4	1561.9	1556.9	1556.9	1570.6	1574.4	1575.6	1570.6	1575.6
180°	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2060.6	2060.6	2060.6	2060.6	2060.6	2060.6	2060.6	2060.6	2060.6	2060.6	2060.6
2.5°	2057.3	2055.5	2053.5	2056.8	2065.6	2069.7	2059.9	2050.1	2059.9	2069.7	2065.6
5°	2050.6	2048.0	2046.7	2051.2	2061.5	2066.1	2053.2	2040.3	2053.2	2066.1	2061.5
7.5°	2035.8	2033.0	2031.4	2035.6	2045.4	2049.5	2036.6	2023.7	2036.6	2049.5	2045.4
10°	2022.7	2019.5	2016.9	2020.7	2031.1	2035.6	2022.7	2009.8	2022.7	2035.6	2031.1
12.5°	2005.4	2002.8	2001.3	2005.1	2014.4	2018.2	2005.3	1992.4	2005.3	2018.2	2014.4
15°	1974.8	1972.1	1970.1	1973.7	1982.7	1986.2	1973.3	1960.4	1973.3	1986.2	1982.7
17.5°	1936.3	1933.5	1931.4	1934.5	1942.8	1946.1	1934.0	1921.8	1934.0	1946.1	1942.8
20°	1905.0	1903.4	1902.7	1906.6	1915.0	1918.4	1906.8	1895.1	1906.8	1918.4	1915.0
22.5°	1869.2	1868.9	1870.3	1875.0	1882.9	1885.9	1874.2	1862.6	1874.2	1885.9	1882.9
25°	1815.0	1815.3	1817.3	1821.8	1828.9	1831.3	1819.7	1808.1	1819.7	1831.3	1828.9
27.5°	1757.5	1757.7	1759.0	1762.6	1768.5	1770.5	1760.9	1751.2	1760.9	1770.5	1768.5
30°	1714.6	1714.7	1716.0	1719.9	1726.3	1728.7	1719.1	1709.4	1719.1	1728.7	1726.3
32.5°	1669.4	1668.7	1668.9	1672.8	1680.3	1683.6	1674.4	1665.3	1674.4	1683.6	1680.3
35°	1599.9	1598.6	1598.0	1601.2	1608.3	1611.7	1604.0	1596.2	1604.0	1611.7	1608.3
37.5°	1525.8	1525.2	1525.3	1528.7	1535.3	1538.7	1532.8	1526.9	1532.8	1538.7	1535.3
40°	1473.7	1473.4	1474.0	1477.9	1485.0	1488.7	1482.2	1475.8	1482.2	1488.7	1485.0
42.5°	1422.2	1421.5	1421.1	1424.0	1430.0	1433.3	1428.4	1423.5	1428.4	1433.3	1430.0
45°	1339.7	1339.4	1339.4	1342.3	1348.1	1351.3	1346.8	1342.3	1346.8	1351.3	1348.1
47.5°	1253.7	1253.8	1254.5	1257.2	1261.7	1264.2	1260.7	1257.2	1260.7	1264.2	1261.7
50°	1193.5	1193.8	1195.1	1198.0	1202.5	1204.7	1200.2	1195.7	1200.2	1204.7	1202.5
52.5°	1133.0	1133.8	1135.6	1138.8	1143.3	1145.4	1140.4	1135.3	1140.4	1145.4	1143.3
55°	1040.8	1042.4	1045.0	1048.2	1052.1	1053.5	1047.7	1041.9	1047.7	1053.5	1052.1
57.5°	945.1	947.0	950.1	953.3	956.7	957.8	952.1	946.4	952.1	957.8	956.7
60°	881.1	882.8	885.3	888.6	892.4	894.0	888.9	883.7	888.9	894.0	892.4
62.5°	816.1	817.7	820.3	823.8	828.2	830.2	825.0	819.9	825.0	830.2	828.2
65°	718.5	720.2	722.8	726.0	729.9	731.7	727.2	722.6	727.2	731.7	729.9
67.5°	616.7	619.2	623.0	626.7	630.5	632.3	628.4	624.6	628.4	632.3	630.5
70°	551.4	553.8	557.1	560.3	563.5	565.0	561.1	557.2	561.1	565.0	563.5
72.5°	485.2	487.3	490.0	493.2	497.0	498.9	495.6	492.2	495.6	498.9	497.0
75°	385.8	388.4	391.6	394.2	396.2	397.1	395.2	393.2	395.2	397.1	396.2
77.5°	286.5	288.6	291.0	293.5	295.9	297.8	297.8	297.8	297.8	297.8	295.9
80°	226.0	227.8	229.8	231.7	233.6	235.1	235.1	235.1	235.1	235.1	233.6
82.5°	164.0	165.9	168.9	171.3	173.3	175.0	176.0	177.0	176.0	175.0	173.3
85°	81.1	83.2	85.8	88.0	90.0	91.7	93.0	94.3	93.0	91.7	90.0
87.5°	25.0	26.4	28.4	29.9	30.5	30.7	30.2	30.0	30.2	30.4	31.2
90°	32.7	31.2	31.2	29.6	24.9	18.7	10.9	4.7	10.9	17.1	28.1
92.5°	39.0	38.7	36.2	33.4	27.4	27.4	27.1	17.1	29.6	42.1	60.5
95°	35.9	35.9	42.1	53.0	77.9	79.5	53.0	48.3	68.6	96.6	121.6
97.5°	97.0	115.3	141.5	146.5	138.7	103.5	99.1	92.3	125.6	153.4	193.6
100°	179.3	202.6	221.3	183.9	145.0	143.4	134.1	130.9	166.8	193.3	232.3
102.5°	280.3	287.4	222.6	201.4	192.4	185.8	171.5	169.6	205.4	241.9	274.7
105°	304.0	272.8	274.3	274.3	268.1	255.6	229.1	227.6	268.1	310.2	350.7
107.5°	357.6	362.3	370.4	368.5	361.3	328.0	296.8	289.6	326.1	376.6	421.2
110°	428.7	433.3	436.5	433.3	422.4	380.3	342.9	332.0	364.8	417.8	466.1



TEST NUMBER: P1427767

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	497.2	500.7	507.5	498.2	479.8	431.5	389.1	373.2	405.9	460.2	509.7
115°	606.4	606.4	607.9	603.2	565.8	516.0	459.8	436.5	464.5	514.4	569.0
117.5°	713.6	715.5	709.2	696.8	653.4	595.5	532.5	495.1	517.2	569.9	626.0
120°	780.9	784.1	777.8	759.1	717.0	651.6	579.9	536.2	553.4	604.8	660.9
122.5°	850.8	850.2	842.7	821.5	771.9	703.9	633.5	579.9	587.0	634.7	689.6
125°	947.7	946.2	939.9	915.0	863.6	793.4	710.8	645.3	636.0	676.5	732.6
127.5°	1040.0	1036.6	1026.9	996.7	944.0	876.3	785.6	711.4	690.5	716.1	767.5
130°	1103.6	1098.9	1081.8	1049.1	997.6	933.7	841.7	757.6	727.9	743.5	788.7
132.5°	1164.7	1151.3	1136.7	1101.4	1053.7	987.3	894.1	806.2	765.4	772.2	807.4
135°	1242.3	1229.9	1211.2	1176.9	1131.7	1066.2	972.7	877.6	821.5	815.2	835.5
137.5°	1310.6	1297.5	1276.3	1246.7	1201.2	1142.9	1053.1	952.7	882.0	861.1	868.9
140°	1353.0	1337.4	1318.7	1289.1	1248.6	1187.8	1100.5	1003.9	924.4	894.7	890.1
142.5°	1387.9	1376.1	1356.1	1329.0	1293.5	1232.7	1147.9	1052.5	968.0	929.7	918.7
145°	1440.3	1431.0	1409.1	1384.2	1354.6	1293.8	1215.8	1120.8	1036.6	986.7	963.3
147.5°	1484.6	1477.1	1459.9	1430.6	1405.7	1347.4	1276.3	1192.2	1105.8	1044.1	1013.8
150°	1512.0	1505.8	1488.6	1460.6	1435.6	1381.1	1312.5	1234.6	1151.9	1086.5	1047.5
152.5°	1538.2	1532.0	1512.3	1484.3	1463.1	1412.3	1349.9	1275.7	1191.8	1126.4	1086.2
155°	1572.8	1565.0	1546.3	1519.8	1501.1	1454.3	1396.7	1331.2	1259.5	1190.9	1145.7
157.5°	1600.2	1590.6	1573.1	1550.4	1530.4	1487.4	1437.2	1380.8	1318.1	1252.6	1206.5
160°	1616.5	1605.5	1586.8	1566.6	1547.9	1507.3	1462.1	1410.7	1353.0	1293.8	1243.9
162.5°	1627.7	1618.0	1595.6	1577.8	1561.6	1524.8	1482.1	1435.6	1384.2	1332.4	1286.3
165°	1639.8	1628.9	1605.5	1591.5	1577.5	1546.3	1508.9	1471.5	1427.8	1385.8	1348.3
167.5°	1640.8	1631.7	1608.3	1594.6	1584.3	1557.5	1527.3	1498.6	1464.6	1431.6	1400.4
170°	1638.3	1630.5	1607.1	1594.6	1586.8	1565.0	1538.5	1513.6	1487.1	1459.0	1434.1
172.5°	1629.5	1621.8	1599.6	1589.6	1585.6	1566.3	1544.7	1526.0	1503.3	1482.7	1462.8
175°	1607.1	1600.9	1582.2	1575.9	1577.5	1565.0	1549.4	1538.5	1524.5	1512.0	1501.1
177.5°	1574.4	1570.6	1556.9	1556.9	1561.9	1554.4	1549.4	1544.4	1538.2	1534.5	1530.7
180°	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2



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CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2060.6	2060.6	2060.6	2060.6	2060.6	2060.6	2060.6	2060.6	2060.6	2060.6	2060.6
2.5°	2056.8	2053.5	2055.5	2057.3	2058.4	2059.4	2058.4	2057.3	2055.5	2053.5	2056.8
5°	2051.2	2046.7	2048.0	2050.6	2057.0	2063.5	2057.0	2050.6	2048.0	2046.7	2051.2
7.5°	2035.6	2031.4	2033.0	2035.8	2042.5	2049.2	2042.5	2035.8	2033.0	2031.4	2035.6
10°	2020.7	2016.9	2019.5	2022.7	2027.8	2033.0	2027.8	2022.7	2019.5	2016.9	2020.7
12.5°	2005.1	2001.3	2002.8	2005.4	2011.1	2016.7	2011.1	2005.4	2002.8	2001.3	2005.1
15°	1973.7	1970.1	1972.1	1974.8	1980.0	1985.1	1980.0	1974.8	1972.1	1970.1	1973.7
17.5°	1934.5	1931.4	1933.5	1936.3	1940.8	1945.4	1940.8	1936.3	1933.5	1931.4	1934.5
20°	1906.6	1902.7	1903.4	1905.0	1909.5	1914.0	1909.5	1905.0	1903.4	1902.7	1906.6
22.5°	1875.0	1870.3	1868.9	1869.2	1874.8	1880.3	1874.8	1869.2	1868.9	1870.3	1875.0
25°	1821.8	1817.3	1815.3	1815.0	1819.5	1824.0	1819.5	1815.0	1815.3	1817.3	1821.8
27.5°	1762.6	1759.0	1757.7	1757.5	1760.7	1764.0	1760.7	1757.5	1757.7	1759.0	1762.6
30°	1719.9	1716.0	1714.7	1714.6	1717.8	1721.0	1717.8	1714.6	1714.7	1716.0	1719.9
32.5°	1672.8	1668.9	1668.7	1669.4	1673.2	1676.9	1673.2	1669.4	1668.7	1668.9	1672.8
35°	1601.2	1598.0	1598.6	1599.9	1603.1	1606.4	1603.1	1599.9	1598.6	1598.0	1601.2
37.5°	1528.7	1525.3	1525.2	1525.8	1528.5	1531.2	1528.5	1525.8	1525.2	1525.3	1528.7
40°	1477.9	1474.0	1473.4	1473.7	1476.9	1480.1	1476.9	1473.7	1473.4	1474.0	1477.9
42.5°	1424.0	1421.1	1421.5	1422.2	1423.9	1425.6	1423.9	1422.2	1421.5	1421.1	1424.0
45°	1342.3	1339.4	1339.4	1339.7	1341.0	1342.3	1341.0	1339.7	1339.4	1339.4	1342.3
47.5°	1257.2	1254.5	1253.8	1253.7	1255.8	1257.8	1255.8	1253.7	1253.8	1254.5	1257.2
50°	1198.0	1195.1	1193.8	1193.5	1196.0	1198.6	1196.0	1193.5	1193.8	1195.1	1198.0
52.5°	1138.8	1135.6	1133.8	1133.0	1135.0	1137.1	1135.0	1133.0	1133.8	1135.6	1138.8
55°	1048.2	1045.0	1042.4	1040.8	1042.1	1043.3	1042.1	1040.8	1042.4	1045.0	1048.2
57.5°	953.3	950.1	947.0	945.1	946.9	948.7	946.9	945.1	947.0	950.1	953.3
60°	888.6	885.3	882.8	881.1	882.4	883.7	882.4	881.1	882.8	885.3	888.6
62.5°	823.8	820.3	817.7	816.1	817.4	818.7	817.4	816.1	817.7	820.3	823.8
65°	726.0	722.8	720.2	718.5	719.1	719.7	719.1	718.5	720.2	722.8	726.0
67.5°	626.7	623.0	619.2	616.7	617.7	618.8	617.7	616.7	619.2	623.0	626.7
70°	560.3	557.1	553.8	551.4	551.4	551.4	551.4	551.4	553.8	557.1	560.3
72.5°	493.2	490.0	487.3	485.2	485.2	485.2	485.2	485.2	487.3	490.0	493.2
75°	394.2	391.6	388.4	385.8	385.2	384.5	385.2	385.8	388.4	391.6	394.2
77.5°	293.5	291.0	288.6	286.5	285.8	285.0	285.8	286.5	288.6	291.0	293.5
80°	231.7	229.8	227.8	226.0	224.8	223.5	224.8	226.0	227.8	229.8	231.7
82.5°	171.3	168.9	165.9	164.0	165.3	166.6	165.3	164.0	165.9	168.9	171.3
85°	88.0	85.8	83.2	81.1	80.5	79.8	80.5	81.1	83.2	85.8	88.0
87.5°	31.2	31.5	31.7	31.2	32.0	30.8	32.0	31.2	31.7	31.5	31.2
90°	35.9	46.8	57.7	63.9	70.1	67.0	70.1	63.9	57.7	46.8	35.9
92.5°	72.0	90.4	103.8	115.0	120.0	119.4	120.0	115.0	103.8	90.4	72.0
95°	145.0	166.8	188.6	204.2	213.6	210.4	213.6	204.2	188.6	166.8	145.0
97.5°	223.5	252.8	277.2	291.8	301.2	307.4	301.2	291.8	277.2	252.8	223.5
100°	275.9	304.0	332.0	349.2	364.8	371.0	364.8	349.2	332.0	304.0	275.9
102.5°	318.3	355.1	385.6	404.0	417.1	423.4	417.1	404.0	385.6	355.1	318.3
105°	388.1	427.1	459.8	483.2	497.2	501.9	497.2	483.2	459.8	427.1	388.1
107.5°	458.0	498.2	528.4	554.3	571.4	581.4	571.4	554.3	528.4	498.2	458.0
110°	512.8	545.6	578.3	601.7	618.8	625.1	618.8	601.7	578.3	545.6	512.8



TEST NUMBER: P1427767

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	559.0	595.5	628.2	651.6	671.2	679.9	671.2	651.6	628.2	595.5	559.0
115°	623.5	671.8	701.4	723.3	737.3	745.1	737.3	723.3	701.4	671.8	623.5
117.5°	677.1	727.6	760.1	776.9	783.4	789.1	783.4	776.9	760.1	727.6	677.1
120°	710.8	757.6	795.0	816.8	824.6	827.7	824.6	816.8	795.0	757.6	710.8
122.5°	742.0	786.2	822.4	849.2	862.0	865.1	862.0	849.2	822.4	786.2	742.0
125°	785.6	827.7	865.1	891.6	905.6	913.4	905.6	891.6	865.1	827.7	785.6
127.5°	823.7	869.2	903.5	927.5	941.2	947.4	941.2	927.5	903.5	869.2	823.7
130°	844.9	891.6	925.9	952.4	964.9	971.1	964.9	952.4	925.9	891.6	844.9
132.5°	861.1	910.3	945.9	969.9	983.6	989.8	983.6	969.9	945.9	910.3	861.1
135°	880.7	932.1	969.6	992.9	1005.4	1011.6	1005.4	992.9	969.6	932.1	880.7
137.5°	897.9	944.6	983.6	1008.2	1019.4	1023.5	1019.4	1008.2	983.6	944.6	897.9
140°	910.3	950.9	989.8	1013.2	1025.7	1027.2	1025.7	1013.2	989.8	950.9	910.3
142.5°	926.5	958.3	992.3	1015.7	1028.2	1031.0	1028.2	1015.7	992.3	958.3	926.5
145°	955.5	974.2	997.6	1019.4	1030.4	1033.5	1030.4	1019.4	997.6	974.2	955.5
147.5°	992.0	997.9	1010.1	1024.4	1035.0	1037.2	1035.0	1024.4	1010.1	997.9	992.0
150°	1019.4	1017.9	1022.6	1031.9	1041.3	1039.7	1041.3	1031.9	1022.6	1017.9	1019.4
152.5°	1050.6	1041.6	1041.3	1045.6	1050.0	1049.7	1050.0	1045.6	1041.3	1041.6	1050.6
155°	1103.6	1086.5	1077.1	1074.0	1074.0	1072.4	1074.0	1074.0	1077.1	1086.5	1103.6
157.5°	1161.9	1137.9	1123.9	1116.4	1114.2	1110.8	1114.2	1116.4	1123.9	1137.9	1161.9
160°	1201.8	1175.3	1161.3	1148.8	1144.1	1139.5	1144.1	1148.8	1161.3	1175.3	1201.8
162.5°	1239.2	1214.0	1198.7	1187.5	1182.8	1175.6	1182.8	1187.5	1198.7	1214.0	1239.2
165°	1300.0	1273.5	1256.4	1247.0	1240.8	1234.6	1240.8	1247.0	1256.4	1273.5	1300.0
167.5°	1360.8	1331.8	1320.6	1310.0	1304.1	1292.8	1304.1	1310.0	1320.6	1331.8	1360.8
170°	1398.2	1371.7	1365.5	1356.1	1345.2	1332.8	1345.2	1356.1	1365.5	1371.7	1398.2
172.5°	1430.6	1412.9	1406.6	1397.3	1393.9	1383.9	1393.9	1397.3	1406.6	1412.9	1430.6
175°	1477.7	1463.7	1463.7	1462.1	1457.5	1448.1	1457.5	1462.1	1463.7	1463.7	1477.7
177.5°	1517.0	1509.5	1514.5	1514.5	1513.3	1504.5	1513.3	1514.5	1514.5	1509.5	1517.0
180°	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2



TEST NUMBER: P1427767

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2060.6	2060.6	2060.6	2060.6
2.5°	2065.6	2069.7	2059.9	2050.1
5°	2061.5	2066.1	2053.2	2040.3
7.5°	2045.4	2049.5	2036.6	2023.7
10°	2031.1	2035.6	2022.7	2009.8
12.5°	2014.4	2018.2	2005.3	1992.4
15°	1982.7	1986.2	1973.3	1960.4
17.5°	1942.8	1946.1	1934.0	1921.8
20°	1915.0	1918.4	1906.8	1895.1
22.5°	1882.9	1885.9	1874.2	1862.6
25°	1828.9	1831.3	1819.7	1808.1
27.5°	1768.5	1770.5	1760.9	1751.2
30°	1726.3	1728.7	1719.1	1709.4
32.5°	1680.3	1683.6	1674.4	1665.3
35°	1608.3	1611.7	1604.0	1596.2
37.5°	1535.3	1538.7	1532.8	1526.9
40°	1485.0	1488.7	1482.2	1475.8
42.5°	1430.0	1433.3	1428.4	1423.5
45°	1348.1	1351.3	1346.8	1342.3
47.5°	1261.7	1264.2	1260.7	1257.2
50°	1202.5	1204.7	1200.2	1195.7
52.5°	1143.3	1145.4	1140.4	1135.3
55°	1052.1	1053.5	1047.7	1041.9
57.5°	956.7	957.8	952.1	946.4
60°	892.4	894.0	888.9	883.7
62.5°	828.2	830.2	825.0	819.9
65°	729.9	731.7	727.2	722.6
67.5°	630.5	632.3	628.4	624.6
70°	563.5	565.0	561.1	557.2
72.5°	497.0	498.9	495.6	492.2
75°	396.2	397.1	395.2	393.2
77.5°	295.9	297.8	297.8	297.8
80°	233.6	235.1	235.1	235.1
82.5°	173.3	175.0	176.0	177.0
85°	90.0	91.7	93.0	94.3
87.5°	31.2	30.4	30.2	30.0
90°	28.1	17.1	10.9	4.7
92.5°	60.5	42.1	29.6	17.1
95°	121.6	96.6	68.6	48.3
97.5°	193.6	153.4	125.6	92.3
100°	232.3	193.3	166.8	130.9
102.5°	274.7	241.9	205.4	169.6
105°	350.7	310.2	268.1	227.6
107.5°	421.2	376.6	326.1	289.6
110°	466.1	417.8	364.8	332.0



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CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	509.7	460.2	405.9	373.2
115°	569.0	514.4	464.5	436.5
117.5°	626.0	569.9	517.2	495.1
120°	660.9	604.8	553.4	536.2
122.5°	689.6	634.7	587.0	579.9
125°	732.6	676.5	636.0	645.3
127.5°	767.5	716.1	690.5	711.4
130°	788.7	743.5	727.9	757.6
132.5°	807.4	772.2	765.4	806.2
135°	835.5	815.2	821.5	877.6
137.5°	868.9	861.1	882.0	952.7
140°	890.1	894.7	924.4	1003.9
142.5°	918.7	929.7	968.0	1052.5
145°	963.3	986.7	1036.6	1120.8
147.5°	1013.8	1044.1	1105.8	1192.2
150°	1047.5	1086.5	1151.9	1234.6
152.5°	1086.2	1126.4	1191.8	1275.7
155°	1145.7	1190.9	1259.5	1331.2
157.5°	1206.5	1252.6	1318.1	1380.8
160°	1243.9	1293.8	1353.0	1410.7
162.5°	1286.3	1332.4	1384.2	1435.6
165°	1348.3	1385.8	1427.8	1471.5
167.5°	1400.4	1431.6	1464.6	1498.6
170°	1434.1	1459.0	1487.1	1513.6
172.5°	1462.8	1482.7	1503.3	1526.0
175°	1501.1	1512.0	1524.5	1538.5
177.5°	1530.7	1534.5	1538.2	1544.4
180°	1543.2	1543.2	1543.2	1543.2



TEST NUMBER: P1427767

CATALOG NUMBER: SQ2W-F-K-100U-125D-L840-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	20.60	21.53	21.50	22.45	23.63	20.51	21.45	21.41	22.37	23.55
	3H	22.39	23.23	23.30	24.16	25.36	22.29	23.13	23.20	24.06	25.26
	4H	23.09	23.89	24.02	24.82	26.03	22.98	23.77	23.90	24.71	25.92
	6H	23.53	24.27	24.47	25.21	26.43	23.39	24.13	24.33	25.07	26.29
	8H	23.70	24.39	24.64	25.35	26.58	23.54	24.24	24.48	25.20	26.42
	12H	23.78	24.45	24.73	25.40	26.65	23.61	24.27	24.56	25.22	26.47
4H	2H	21.19	21.98	22.12	22.92	24.13	21.12	21.92	22.05	22.85	24.06
	3H	23.22	23.88	24.16	24.84	26.07	23.12	23.79	24.06	24.75	25.98
	4H	24.03	24.64	24.98	25.60	26.85	23.92	24.53	24.87	25.49	26.74
	6H	24.59	25.11	25.55	26.10	27.35	24.45	24.97	25.41	25.96	27.20
	8H	24.81	25.30	25.77	26.27	27.54	24.65	25.14	25.61	26.11	27.38
	12H	24.92	25.37	25.91	26.36	27.63	24.74	25.18	25.72	26.17	27.44
8H	4H	24.28	24.77	25.25	25.75	27.01	24.19	24.67	25.15	25.65	26.92
	6H	24.98	25.38	25.97	26.40	27.66	24.84	25.25	25.84	26.27	27.53
	8H	25.28	25.64	26.28	26.65	27.93	25.13	25.48	26.13	26.49	27.77
	12H	25.47	25.78	26.47	26.78	28.11	25.28	25.59	26.28	26.59	27.92
12H	4H	24.28	24.72	25.27	25.72	26.99	24.19	24.63	25.17	25.62	26.89
	6H	25.03	25.38	26.03	26.39	27.67	24.90	25.26	25.90	26.27	27.55
	8H	25.36	25.68	26.37	26.68	28.01	25.21	25.53	26.22	26.53	27.86