

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: P1436021

Luminaire Tested: SQ2W-FB-K-125U-125D-L830-UNV-STD-W-WM-4

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1436021
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-FB-K-125U-125D-L830-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS BATWING ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

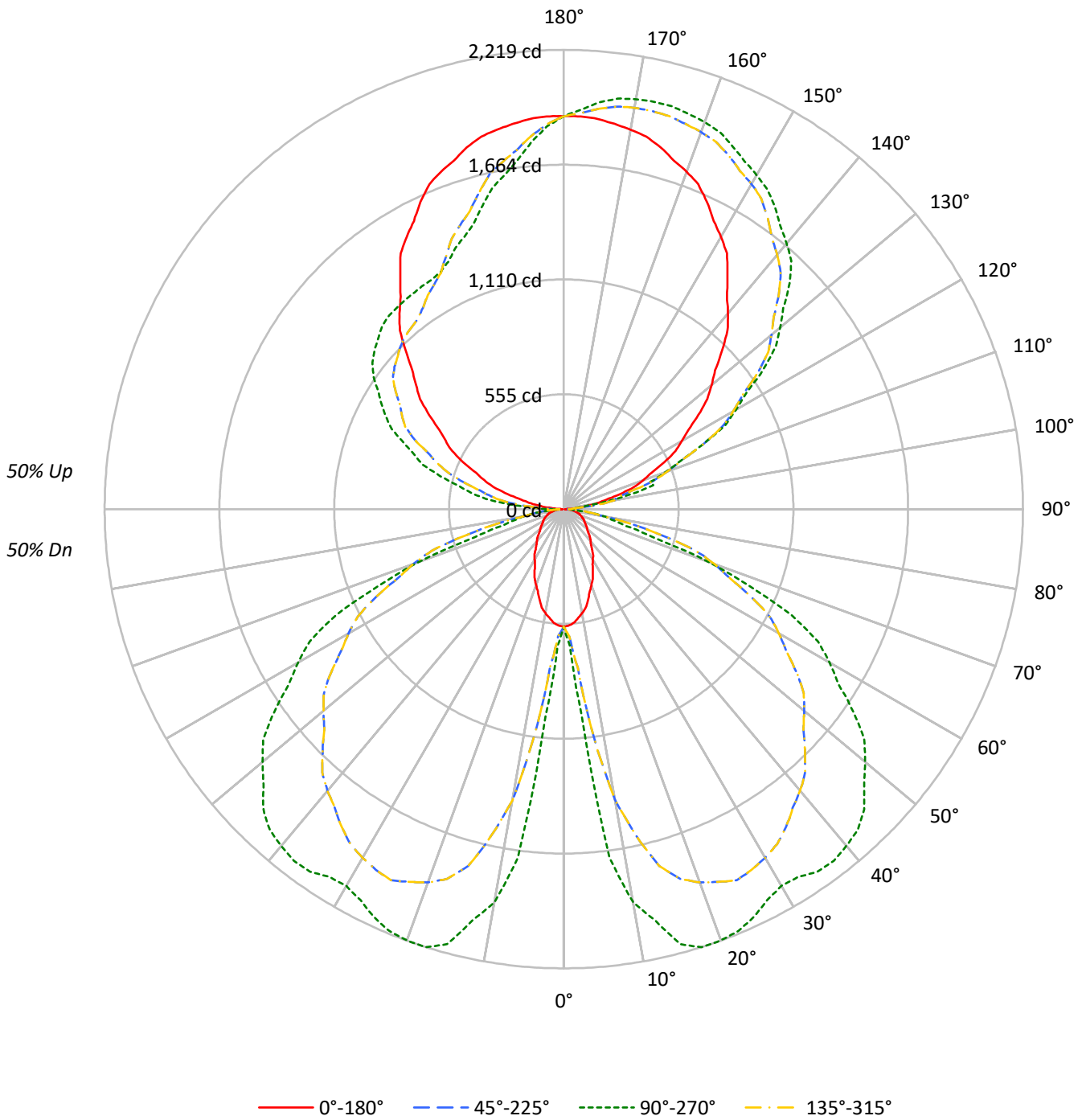
Lumens per Lamp: N/A
Luminaire Lumens: 11159.7 lumens
Efficiency: N/A
Efficacy: 119.7 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 2.98 / 2.52
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 93.2
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	0
RCR																		
0	107	107	107	107	99	99	99	99	84	84	84	69	69	69	56	56	56	50
1	98	93	89	86	90	86	83	80	73	70	68	61	59	57	50	48	47	42
2	89	81	75	69	81	75	69	65	63	59	56	53	50	47	43	41	39	35
3	81	71	63	57	74	65	59	54	56	51	46	46	43	39	38	35	33	29
4	73	62	54	48	67	58	50	45	49	43	39	41	37	33	33	30	28	24
5	67	55	47	41	62	51	44	38	43	38	33	36	32	28	30	26	24	21
6	62	49	41	35	56	46	38	33	39	33	29	33	28	25	27	23	21	18
7	57	44	36	30	52	41	34	28	35	29	25	29	25	21	24	21	18	15
8	52	40	32	26	48	37	30	25	32	26	22	27	22	19	22	19	16	13
9	49	36	29	23	45	34	27	22	29	23	19	24	20	17	20	17	14	12
10	45	33	26	21	42	31	24	20	26	21	17	22	18	15	19	15	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9171	9171	9171	9171
5°	8940	16241	8940	16241
10°	8371	31606	8371	31606
15°	7577	36377	7577	36377
20°	6709	38095	6709	38095
25°	5934	38720	5934	38720
30°	5242	39197	5242	39197
35°	4683	42140	4683	42140
40°	4260	44775	4260	44775
45°	3927	46886	3927	46886
50°	3705	47737	3705	47737
55°	3612	48115	3612	48115
60°	3704	47878	3704	47878
65°	3859	46524	3859	46524
70°	3994	35188	3994	35188
75°	4429	19419	4429	19419
80°	4575	18029	4575	18029
85°	4557	7595	4557	7595

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 52.5°
 Luminance: 48551 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.2	0.9
10°-20°	434.2	3.9
20°-30°	764.0	6.8
30°-40°	989.0	8.9
40°-50°	1090.7	9.8
50°-60°	1018.0	9.1
60°-70°	786.5	7.0
70°-80°	362.5	3.2
80°-90°	77.2	0.7
90°-100°	151.1	1.4
100°-110°	440.5	3.9
110°-120°	719.0	6.4
120°-130°	912.3	8.2
130°-140°	976.2	8.7
140°-150°	911.5	8.2
150°-160°	750.1	6.7
160°-170°	503.1	4.5
170°-180°	178.6	1.6
0°-30°	1293.4	11.6
0°-40°	2282.4	20.5
0°-60°	4391.1	39.3
0°-90°	5617.3	50.3
90°-120°	1310.6	11.7
90°-150°	4110.6	36.8
90°-180°	5542.0	49.7
0°-180°	11159.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	568	568	568	568	568	
5°	552	1002	552	1002	552	51
15°	453	2176	453	2176	453	126
25°	333	2174	333	2174	333	153
35°	238	2138	238	2138	238	149
45°	172	2053	172	2053	172	133
55°	128	1709	128	1709	128	116
65°	101	1218	101	1218	101	99
75°	71	311	71	311	71	73
85°	25	41	25	41	25	26
90°	6	42	6	82	6	6
95°	59	44	59	259	59	72
105°	280	449	280	617	280	298
115°	537	744	537	916	537	529
125°	794	1179	794	1124	794	710
135°	1080	1544	1080	1244	1080	834
145°	1379	1779	1379	1271	1379	863
155°	1637	1933	1637	1319	1637	753
165°	1810	2015	1810	1519	1810	510
175°	1892	1973	1892	1781	1892	180
180°	1898	1898	1898	1898	1898	

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	568.0	568.0	568.0	568.0	568.0	568.0	568.0	568.0	568.0	568.0	568.0
2.5°	563.6	574.3	584.9	596.4	608.0	620.6	634.2	645.9	651.7	657.5	651.7
5°	551.6	588.0	624.4	677.2	735.4	801.6	875.6	939.0	970.6	1002.1	970.6
7.5°	530.3	604.3	678.3	835.2	1019.7	1211.2	1409.7	1574.4	1637.5	1700.6	1637.5
10°	510.6	613.8	716.9	983.0	1303.4	1549.7	1722.1	1859.8	1893.8	1927.8	1893.8
12.5°	488.8	628.8	768.9	1097.3	1488.6	1744.6	1865.5	1964.9	1999.9	2034.8	1999.9
15°	453.3	653.5	853.8	1225.1	1653.5	1916.9	2015.2	2098.6	2137.4	2176.3	2137.4
17.5°	416.7	683.2	949.7	1328.5	1744.8	2001.6	2098.9	2177.2	2198.3	2219.4	2198.3
20°	390.5	703.6	1016.7	1396.2	1797.9	2040.6	2124.4	2190.5	2203.9	2217.2	2203.9
22.5°	366.4	716.4	1066.4	1446.5	1836.5	2063.2	2126.6	2177.7	2192.0	2206.3	2192.0
25°	333.1	727.5	1122.0	1500.9	1874.7	2081.6	2121.6	2154.1	2163.8	2173.5	2163.8
27.5°	300.9	717.7	1134.4	1508.5	1868.5	2061.6	2087.8	2109.8	2119.3	2128.7	2119.3
30°	281.2	704.8	1128.3	1499.1	1852.2	2038.5	2057.9	2075.8	2089.2	2102.5	2089.2
32.5°	263.8	689.3	1114.7	1480.9	1827.2	2009.6	2028.1	2049.1	2078.0	2106.9	2078.0
35°	237.6	656.2	1074.9	1437.2	1780.6	1966.9	1996.0	2031.2	2084.6	2138.0	2084.6
37.5°	215.2	614.0	1012.7	1371.3	1716.4	1919.5	1980.4	2038.9	2090.4	2141.9	2090.4
40°	202.1	584.3	966.6	1322.5	1669.6	1883.8	1965.1	2037.0	2080.7	2124.4	2080.7
42.5°	189.0	550.8	912.7	1265.7	1615.7	1838.2	1933.1	2015.2	2058.8	2102.5	2058.8
45°	172.0	497.3	822.5	1172.3	1530.3	1765.2	1876.8	1970.9	2012.1	2053.4	2012.1
47.5°	156.2	438.7	721.2	1072.6	1446.8	1693.2	1811.6	1908.0	1938.1	1968.2	1938.1
50°	147.5	399.9	652.3	1004.8	1390.8	1642.0	1758.5	1851.9	1876.2	1900.5	1876.2
52.5°	138.7	362.0	585.3	938.6	1335.2	1588.3	1698.0	1785.9	1808.2	1830.6	1808.2
55°	128.3	310.4	492.4	841.9	1247.3	1497.9	1593.7	1670.5	1689.9	1709.3	1689.9
57.5°	119.1	265.9	412.7	751.3	1153.7	1395.8	1477.6	1542.9	1558.7	1574.4	1558.7
60°	114.7	242.1	369.5	694.5	1085.2	1317.6	1391.7	1451.1	1466.9	1482.7	1466.9
62.5°	108.1	219.1	330.0	637.7	1011.0	1231.7	1299.9	1354.8	1369.6	1384.4	1369.6
65°	101.0	190.8	280.6	557.9	897.7	1096.2	1153.2	1198.4	1208.1	1217.8	1208.1
67.5°	91.2	167.4	243.6	484.9	781.3	947.2	982.6	1004.7	986.5	968.3	986.5
70°	84.6	155.0	225.4	440.5	703.9	841.6	853.8	849.8	797.6	745.4	797.6
72.5°	80.3	142.9	205.5	391.7	619.2	719.5	692.8	648.1	549.3	450.5	549.3
75°	71.0	122.0	172.9	313.1	483.0	509.7	393.2	306.4	308.9	311.3	308.9
77.5°	57.9	96.0	134.1	220.3	322.4	342.7	281.1	235.4	237.6	239.7	237.6
80°	49.2	79.5	109.8	143.8	179.0	195.4	193.0	191.4	192.7	193.9	192.7
82.5°	40.4	63.0	85.6	105.9	125.6	136.6	139.1	140.5	138.8	137.1	138.8
85°	24.6	37.9	51.3	59.2	65.2	63.4	53.7	45.8	43.4	41.0	43.4
87.5°	9.9	16.3	23.0	22.9	20.1	18.6	18.6	19.0	19.4	19.4	19.4
90°	5.8	13.4	23.0	30.7	36.4	38.3	38.3	40.3	42.2	42.2	42.2
92.5°	21.1	33.4	33.7	33.7	41.0	44.5	47.6	47.9	49.9	49.9	49.9
95°	59.4	65.2	97.8	95.9	65.2	51.8	44.1	44.1	44.1	44.1	44.1
97.5°	113.5	121.9	127.3	170.6	180.2	174.1	141.9	119.3	106.6	100.9	106.6
100°	161.1	164.9	176.4	178.3	226.2	272.3	249.3	220.5	210.9	205.2	210.9
102.5°	208.6	210.9	228.5	236.6	247.7	273.8	353.6	344.7	338.2	337.1	338.2
105°	279.9	281.9	314.4	329.8	337.5	337.5	335.5	373.9	435.2	448.7	435.2
107.5°	356.2	365.1	403.4	444.4	453.3	455.6	445.6	439.8	437.5	439.1	437.5
110°	408.4	421.8	467.8	519.6	533.0	536.9	533.0	527.3	523.4	523.4	523.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	459.0	478.6	530.7	590.2	612.8	624.3	615.9	611.6	607.8	610.9	607.8
115°	536.9	565.6	634.6	696.0	742.0	747.8	745.9	745.9	743.9	743.9	743.9
117.5°	609.0	655.0	732.4	803.8	857.1	872.4	880.1	877.8	875.5	879.3	875.5
120°	659.6	713.3	801.5	882.0	933.8	956.8	964.4	960.6	964.4	960.6	964.4
122.5°	713.3	779.2	865.9	949.5	1010.5	1036.5	1045.7	1046.5	1047.3	1045.0	1047.3
125°	793.8	874.3	975.9	1062.2	1125.5	1156.2	1163.8	1165.8	1169.6	1179.2	1169.6
127.5°	875.1	966.4	1077.9	1161.2	1226.0	1263.2	1275.0	1279.3	1287.3	1291.5	1287.3
130°	931.8	1035.4	1148.5	1227.1	1290.4	1330.7	1351.7	1357.5	1367.1	1365.2	1367.1
132.5°	991.7	1099.8	1214.5	1296.1	1354.8	1398.1	1416.2	1432.7	1436.1	1438.8	1436.1
135°	1079.5	1196.4	1311.5	1392.0	1447.6	1489.8	1512.8	1528.1	1537.7	1543.5	1537.7
137.5°	1171.9	1295.4	1405.8	1477.5	1533.5	1569.9	1596.0	1612.1	1622.1	1626.7	1622.1
140°	1234.8	1353.7	1461.0	1535.8	1585.7	1622.1	1645.1	1664.3	1675.8	1675.8	1675.8
142.5°	1294.6	1411.9	1516.3	1591.0	1634.7	1668.1	1692.6	1707.2	1720.3	1720.3	1720.3
145°	1378.6	1495.5	1591.4	1666.2	1702.6	1733.3	1760.1	1771.6	1779.3	1779.3	1779.3
147.5°	1466.4	1569.9	1657.4	1729.1	1759.8	1795.8	1816.9	1826.1	1835.7	1831.5	1835.7
150°	1518.6	1614.4	1698.8	1765.9	1796.6	1831.1	1852.2	1859.8	1869.4	1863.7	1869.4
152.5°	1569.2	1660.4	1737.1	1799.6	1825.7	1860.2	1884.4	1892.1	1898.6	1894.4	1898.6
155°	1637.4	1718.0	1788.9	1846.4	1869.4	1902.0	1925.0	1934.6	1942.3	1932.7	1942.3
157.5°	1698.4	1767.8	1829.5	1882.5	1907.0	1935.0	1956.5	1968.4	1976.0	1971.8	1976.0
160°	1735.2	1798.5	1854.1	1903.9	1927.0	1951.9	1974.9	1988.3	1996.0	1990.2	1996.0
162.5°	1765.9	1823.0	1875.6	1920.8	1940.8	1962.6	1990.2	2002.1	2009.8	2002.5	2009.8
165°	1810.0	1856.0	1902.0	1940.4	1957.6	1974.9	2003.6	2017.1	2022.8	2015.1	2022.8
167.5°	1843.4	1878.6	1915.8	1948.8	1961.5	1978.3	2007.1	2018.2	2025.5	2015.9	2025.5
170°	1861.8	1892.4	1925.0	1951.9	1961.5	1976.8	2005.6	2015.1	2020.9	2011.3	2020.9
172.5°	1877.1	1900.1	1926.6	1950.3	1955.3	1967.6	1994.8	2004.4	2008.6	2000.6	2008.6
175°	1892.4	1905.9	1925.0	1940.4	1938.5	1946.1	1969.1	1976.8	1984.5	1973.0	1984.5
177.5°	1899.7	1905.9	1912.0	1921.2	1915.1	1915.1	1931.9	1936.5	1938.1	1931.9	1938.1
180°	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	568.0	568.0	568.0	568.0	568.0	568.0	568.0	568.0	568.0	568.0	568.0
2.5°	645.9	634.2	620.6	608.0	596.4	584.9	574.3	563.6	574.3	584.9	596.4
5°	939.0	875.6	801.6	735.4	677.2	624.4	588.0	551.6	588.0	624.4	677.2
7.5°	1574.4	1409.7	1211.2	1019.7	835.2	678.3	604.3	530.3	604.3	678.3	835.2
10°	1859.8	1722.1	1549.7	1303.4	983.0	716.9	613.8	510.6	613.8	716.9	983.0
12.5°	1964.9	1865.5	1744.6	1488.6	1097.3	768.9	628.8	488.8	628.8	768.9	1097.3
15°	2098.6	2015.2	1916.9	1653.5	1225.1	853.8	653.5	453.3	653.5	853.8	1225.1
17.5°	2177.2	2098.9	2001.6	1744.8	1328.5	949.7	683.2	416.7	683.2	949.7	1328.5
20°	2190.5	2124.4	2040.6	1797.9	1396.2	1016.7	703.6	390.5	703.6	1016.7	1396.2
22.5°	2177.7	2126.6	2063.2	1836.5	1446.5	1066.4	716.4	366.4	716.4	1066.4	1446.5
25°	2154.1	2121.6	2081.6	1874.7	1500.9	1122.0	727.5	333.1	727.5	1122.0	1500.9
27.5°	2109.8	2087.8	2061.6	1868.5	1508.5	1134.4	717.7	300.9	717.7	1134.4	1508.5
30°	2075.8	2057.9	2038.5	1852.2	1499.1	1128.3	704.8	281.2	704.8	1128.3	1499.1
32.5°	2049.1	2028.1	2009.6	1827.2	1480.9	1114.7	689.3	263.8	689.3	1114.7	1480.9
35°	2031.2	1996.0	1966.9	1780.6	1437.2	1074.9	656.2	237.6	656.2	1074.9	1437.2
37.5°	2038.9	1980.4	1919.5	1716.4	1371.3	1012.7	614.0	215.2	614.0	1012.7	1371.3
40°	2037.0	1965.1	1883.8	1669.6	1322.5	966.6	584.3	202.1	584.3	966.6	1322.5
42.5°	2015.2	1933.1	1838.2	1615.7	1265.7	912.7	550.8	189.0	550.8	912.7	1265.7
45°	1970.9	1876.8	1765.2	1530.3	1172.3	822.5	497.3	172.0	497.3	822.5	1172.3
47.5°	1908.0	1811.6	1693.2	1446.8	1072.6	721.2	438.7	156.2	438.7	721.2	1072.6
50°	1851.9	1758.5	1642.0	1390.8	1004.8	652.3	399.9	147.5	399.9	652.3	1004.8
52.5°	1785.9	1698.0	1588.3	1335.2	938.6	585.3	362.0	138.7	362.0	585.3	938.6
55°	1670.5	1593.7	1497.9	1247.3	841.9	492.4	310.4	128.3	310.4	492.4	841.9
57.5°	1542.9	1477.6	1395.8	1153.7	751.3	412.7	265.9	119.1	265.9	412.7	751.3
60°	1451.1	1391.7	1317.6	1085.2	694.5	369.5	242.1	114.7	242.1	369.5	694.5
62.5°	1354.8	1299.9	1231.7	1011.0	637.7	330.0	219.1	108.1	219.1	330.0	637.7
65°	1198.4	1153.2	1096.2	897.7	557.9	280.6	190.8	101.0	190.8	280.6	557.9
67.5°	1004.7	982.6	947.2	781.3	484.9	243.6	167.4	91.2	167.4	243.6	484.9
70°	849.8	853.8	841.6	703.9	440.5	225.4	155.0	84.6	155.0	225.4	440.5
72.5°	648.1	692.8	719.5	619.2	391.7	205.5	142.9	80.3	142.9	205.5	391.7
75°	306.4	393.2	509.7	483.0	313.1	172.9	122.0	71.0	122.0	172.9	313.1
77.5°	235.4	281.1	342.7	322.4	220.3	134.1	96.0	57.9	96.0	134.1	220.3
80°	191.4	193.0	195.4	179.0	143.8	109.8	79.5	49.2	79.5	109.8	143.8
82.5°	140.5	139.1	136.6	125.6	105.9	85.6	63.0	40.4	63.0	85.6	105.9
85°	45.8	53.7	63.4	65.2	59.2	51.3	37.9	24.6	37.9	51.3	59.2
87.5°	19.0	18.6	18.6	20.1	22.9	23.0	16.3	9.9	16.3	22.7	23.6
90°	40.3	38.3	38.3	36.4	30.7	23.0	13.4	5.8	13.4	21.1	34.5
92.5°	47.9	47.6	44.5	41.0	33.7	33.7	33.4	21.1	36.4	51.8	74.4
95°	44.1	44.1	51.8	65.2	95.9	97.8	65.2	59.4	84.4	118.9	149.6
97.5°	119.3	141.9	174.1	180.2	170.6	127.3	121.9	113.5	154.5	188.7	238.1
100°	220.5	249.3	272.3	226.2	178.3	176.4	164.9	161.1	205.2	237.8	285.7
102.5°	344.7	353.6	273.8	247.7	236.6	228.5	210.9	208.6	252.7	297.6	337.8
105°	373.9	335.5	337.5	337.5	329.8	314.4	281.9	279.9	329.8	381.6	431.4
107.5°	439.8	445.6	455.6	453.3	444.4	403.4	365.1	356.2	401.1	463.2	518.1
110°	527.3	533.0	536.9	533.0	519.6	467.8	421.8	408.4	448.7	513.9	573.3



TEST NUMBER: P1436021

CATALOG NUMBER: SQ2W-FB-K-125U-125D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	611.6	615.9	624.3	612.8	590.2	530.7	478.6	459.0	499.3	566.0	627.0
115°	745.9	745.9	747.8	742.0	696.0	634.6	565.6	536.9	571.4	632.7	699.8
117.5°	877.8	880.1	872.4	857.1	803.8	732.4	655.0	609.0	636.2	701.0	770.0
120°	960.6	964.4	956.8	933.8	882.0	801.5	713.3	659.6	680.7	743.9	813.0
122.5°	1046.5	1045.7	1036.5	1010.5	949.5	865.9	779.2	713.3	722.1	780.8	848.2
125°	1165.8	1163.8	1156.2	1125.5	1062.2	975.9	874.3	793.8	782.3	832.1	901.2
127.5°	1279.3	1275.0	1263.2	1226.0	1161.2	1077.9	966.4	875.1	849.4	880.8	944.1
130°	1357.5	1351.7	1330.7	1290.4	1227.1	1148.5	1035.4	931.8	895.4	914.6	970.2
132.5°	1432.7	1416.2	1398.1	1354.8	1296.1	1214.5	1099.8	991.7	941.4	949.9	993.2
135°	1528.1	1512.8	1489.8	1447.6	1392.0	1311.5	1196.4	1079.5	1010.5	1002.8	1027.7
137.5°	1612.1	1596.0	1569.9	1533.5	1477.5	1405.8	1295.4	1171.9	1084.8	1059.2	1068.7
140°	1664.3	1645.1	1622.1	1585.7	1535.8	1461.0	1353.7	1234.8	1137.0	1100.6	1094.8
142.5°	1707.2	1692.6	1668.1	1634.7	1591.0	1516.3	1411.9	1294.6	1190.7	1143.5	1130.1
145°	1771.6	1760.1	1733.3	1702.6	1666.2	1591.4	1495.5	1378.6	1275.0	1213.7	1184.9
147.5°	1826.1	1816.9	1795.8	1759.8	1729.1	1657.4	1569.9	1466.4	1360.2	1284.3	1247.1
150°	1859.8	1852.2	1831.1	1796.6	1765.9	1698.8	1614.4	1518.6	1416.9	1336.4	1288.5
152.5°	1892.1	1884.4	1860.2	1825.7	1799.6	1737.1	1660.4	1569.2	1466.0	1385.5	1336.0
155°	1934.6	1925.0	1902.0	1869.4	1846.4	1788.9	1718.0	1637.4	1549.2	1464.9	1409.3
157.5°	1968.4	1956.5	1935.0	1907.0	1882.5	1829.5	1767.8	1698.4	1621.3	1540.8	1484.0
160°	1988.3	1974.9	1951.9	1927.0	1903.9	1854.1	1798.5	1735.2	1664.3	1591.4	1530.1
162.5°	2002.1	1990.2	1962.6	1940.8	1920.8	1875.6	1823.0	1765.9	1702.6	1639.0	1582.2
165°	2017.1	2003.6	1974.9	1957.6	1940.4	1902.0	1856.0	1810.0	1756.3	1704.5	1658.5
167.5°	2018.2	2007.1	1978.3	1961.5	1948.8	1915.8	1878.6	1843.4	1801.6	1760.9	1722.6
170°	2015.1	2005.6	1976.8	1961.5	1951.9	1925.0	1892.4	1861.8	1829.2	1794.7	1764.0
172.5°	2004.4	1994.8	1967.6	1955.3	1950.3	1926.6	1900.1	1877.1	1849.1	1823.8	1799.3
175°	1976.8	1969.1	1946.1	1938.5	1940.4	1925.0	1905.9	1892.4	1875.2	1859.8	1846.4
177.5°	1936.5	1931.9	1915.1	1915.1	1921.2	1912.0	1905.9	1899.7	1892.1	1887.5	1882.9
180°	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2



TEST NUMBER: P1436021

CATALOG NUMBER: SQ2W-FB-K-125U-125D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	568.0	568.0	568.0	568.0	568.0	568.0	568.0	568.0	568.0	568.0	568.0
2.5°	608.0	620.6	634.2	645.9	651.7	657.5	651.7	645.9	634.2	620.6	608.0
5°	735.4	801.6	875.6	939.0	970.6	1002.1	970.6	939.0	875.6	801.6	735.4
7.5°	1019.7	1211.2	1409.7	1574.4	1637.5	1700.6	1637.5	1574.4	1409.7	1211.2	1019.7
10°	1303.4	1549.7	1722.1	1859.8	1893.8	1927.8	1893.8	1859.8	1722.1	1549.7	1303.4
12.5°	1488.6	1744.6	1865.5	1964.9	1999.9	2034.8	1999.9	1964.9	1865.5	1744.6	1488.6
15°	1653.5	1916.9	2015.2	2098.6	2137.4	2176.3	2137.4	2098.6	2015.2	1916.9	1653.5
17.5°	1744.8	2001.6	2098.9	2177.2	2198.3	2219.4	2198.3	2177.2	2098.9	2001.6	1744.8
20°	1797.9	2040.6	2124.4	2190.5	2203.9	2217.2	2203.9	2190.5	2124.4	2040.6	1797.9
22.5°	1836.5	2063.2	2126.6	2177.7	2192.0	2206.3	2192.0	2177.7	2126.6	2063.2	1836.5
25°	1874.7	2081.6	2121.6	2154.1	2163.8	2173.5	2163.8	2154.1	2121.6	2081.6	1874.7
27.5°	1868.5	2061.6	2087.8	2109.8	2119.3	2128.7	2119.3	2109.8	2087.8	2061.6	1868.5
30°	1852.2	2038.5	2057.9	2075.8	2089.2	2102.5	2089.2	2075.8	2057.9	2038.5	1852.2
32.5°	1827.2	2009.6	2028.1	2049.1	2078.0	2106.9	2078.0	2049.1	2028.1	2009.6	1827.2
35°	1780.6	1966.9	1996.0	2031.2	2084.6	2138.0	2084.6	2031.2	1996.0	1966.9	1780.6
37.5°	1716.4	1919.5	1980.4	2038.9	2090.4	2141.9	2090.4	2038.9	1980.4	1919.5	1716.4
40°	1669.6	1883.8	1965.1	2037.0	2080.7	2124.4	2080.7	2037.0	1965.1	1883.8	1669.6
42.5°	1615.7	1838.2	1933.1	2015.2	2058.8	2102.5	2058.8	2015.2	1933.1	1838.2	1615.7
45°	1530.3	1765.2	1876.8	1970.9	2012.1	2053.4	2012.1	1970.9	1876.8	1765.2	1530.3
47.5°	1446.8	1693.2	1811.6	1908.0	1938.1	1968.2	1938.1	1908.0	1811.6	1693.2	1446.8
50°	1390.8	1642.0	1758.5	1851.9	1876.2	1900.5	1876.2	1851.9	1758.5	1642.0	1390.8
52.5°	1335.2	1588.3	1698.0	1785.9	1808.2	1830.6	1808.2	1785.9	1698.0	1588.3	1335.2
55°	1247.3	1497.9	1593.7	1670.5	1689.9	1709.3	1689.9	1670.5	1593.7	1497.9	1247.3
57.5°	1153.7	1395.8	1477.6	1542.9	1558.7	1574.4	1558.7	1542.9	1477.6	1395.8	1153.7
60°	1085.2	1317.6	1391.7	1451.1	1466.9	1482.7	1466.9	1451.1	1391.7	1317.6	1085.2
62.5°	1011.0	1231.7	1299.9	1354.8	1369.6	1384.4	1369.6	1354.8	1299.9	1231.7	1011.0
65°	897.7	1096.2	1153.2	1198.4	1208.1	1217.8	1208.1	1198.4	1153.2	1096.2	897.7
67.5°	781.3	947.2	982.6	1004.7	986.5	968.3	986.5	1004.7	982.6	947.2	781.3
70°	703.9	841.6	853.8	849.8	797.6	745.4	797.6	849.8	853.8	841.6	703.9
72.5°	619.2	719.5	692.8	648.1	549.3	450.5	549.3	648.1	692.8	719.5	619.2
75°	483.0	509.7	393.2	306.4	308.9	311.3	308.9	306.4	393.2	509.7	483.0
77.5°	322.4	342.7	281.1	235.4	237.6	239.7	237.6	235.4	281.1	342.7	322.4
80°	179.0	195.4	193.0	191.4	192.7	193.9	192.7	191.4	193.0	195.4	179.0
82.5°	125.6	136.6	139.1	140.5	138.8	137.1	138.8	140.5	139.1	136.6	125.6
85°	65.2	63.4	53.7	45.8	43.4	41.0	43.4	45.8	53.7	63.4	65.2
87.5°	21.7	22.4	25.1	26.6	28.2	27.4	28.2	26.6	25.1	22.4	21.7
90°	44.1	57.5	70.9	78.6	86.3	82.4	86.3	78.6	70.9	57.5	44.1
92.5°	88.6	111.2	127.7	141.5	147.6	146.9	147.6	141.5	127.7	111.2	88.6
95°	178.3	205.2	232.0	251.2	262.7	258.8	262.7	251.2	232.0	205.2	178.3
97.5°	275.0	311.0	340.9	358.9	370.4	378.1	370.4	358.9	340.9	311.0	275.0
100°	339.4	373.9	408.4	429.5	448.7	456.3	448.7	429.5	408.4	373.9	339.4
102.5°	391.5	436.8	474.4	497.0	513.1	520.8	513.1	497.0	474.4	436.8	391.5
105°	477.4	525.4	565.6	594.4	611.6	617.4	611.6	594.4	565.6	525.4	477.4
107.5°	563.3	612.8	650.0	681.8	702.9	715.2	702.9	681.8	650.0	612.8	563.3
110°	630.8	671.1	711.3	740.1	761.2	768.9	761.2	740.1	711.3	671.1	630.8



TEST NUMBER: P1436021

CATALOG NUMBER: SQ2W-FB-K-125U-125D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	687.6	732.4	772.7	801.5	825.6	836.4	825.6	801.5	772.7	732.4	687.6
115°	766.9	826.4	862.8	889.7	906.9	916.5	906.9	889.7	862.8	826.4	766.9
117.5°	832.9	895.0	934.9	955.6	963.7	970.6	963.7	955.6	934.9	895.0	832.9
120°	874.3	931.8	977.9	1004.7	1014.3	1018.1	1014.3	1004.7	977.9	931.8	874.3
122.5°	912.7	967.1	1011.6	1044.6	1060.3	1064.1	1060.3	1044.6	1011.6	967.1	912.7
125°	966.4	1018.1	1064.1	1096.7	1114.0	1123.6	1114.0	1096.7	1064.1	1018.1	966.4
127.5°	1013.1	1069.1	1111.3	1140.8	1157.7	1165.4	1157.7	1140.8	1111.3	1069.1	1013.1
130°	1039.2	1096.7	1138.9	1171.5	1186.8	1194.5	1186.8	1171.5	1138.9	1096.7	1039.2
132.5°	1059.2	1119.7	1163.5	1193.0	1209.9	1217.5	1209.9	1193.0	1163.5	1119.7	1059.2
135°	1083.3	1146.6	1192.6	1221.4	1236.7	1244.4	1236.7	1221.4	1192.6	1146.6	1083.3
137.5°	1104.4	1161.9	1209.9	1240.2	1254.0	1258.9	1254.0	1240.2	1209.9	1161.9	1104.4
140°	1119.7	1169.6	1217.5	1246.3	1261.6	1263.5	1261.6	1246.3	1217.5	1169.6	1119.7
142.5°	1139.7	1178.8	1220.6	1249.4	1264.7	1268.1	1264.7	1249.4	1220.6	1178.8	1139.7
145°	1175.3	1198.4	1227.1	1254.0	1267.4	1271.2	1267.4	1254.0	1227.1	1198.4	1175.3
147.5°	1220.2	1227.5	1242.5	1260.1	1273.1	1275.8	1273.1	1260.1	1242.5	1227.5	1220.2
150°	1254.0	1252.0	1257.8	1269.3	1280.8	1278.9	1280.8	1269.3	1257.8	1252.0	1254.0
152.5°	1292.3	1281.2	1280.8	1286.2	1291.5	1291.2	1291.5	1286.2	1280.8	1281.2	1292.3
155°	1357.5	1336.4	1324.9	1321.1	1321.1	1319.1	1321.1	1321.1	1324.9	1336.4	1357.5
157.5°	1429.2	1399.7	1382.4	1373.2	1370.5	1366.3	1370.5	1373.2	1382.4	1399.7	1429.2
160°	1478.3	1445.7	1428.4	1413.1	1407.3	1401.6	1407.3	1413.1	1428.4	1445.7	1478.3
162.5°	1524.3	1493.2	1474.5	1460.6	1454.9	1446.1	1454.9	1460.6	1474.5	1493.2	1524.3
165°	1599.1	1566.5	1545.4	1533.9	1526.2	1518.6	1526.2	1533.9	1545.4	1566.5	1599.1
167.5°	1673.9	1638.2	1624.4	1611.4	1604.1	1590.3	1604.1	1611.4	1624.4	1638.2	1673.9
170°	1719.9	1687.3	1679.6	1668.1	1654.7	1639.3	1654.7	1668.1	1679.6	1687.3	1719.9
172.5°	1759.8	1737.9	1730.2	1718.7	1714.5	1702.2	1714.5	1718.7	1730.2	1737.9	1759.8
175°	1817.7	1800.4	1800.4	1798.5	1792.7	1781.2	1792.7	1798.5	1800.4	1800.4	1817.7
177.5°	1866.0	1856.8	1862.9	1862.9	1861.4	1850.6	1861.4	1862.9	1862.9	1856.8	1866.0
180°	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2



TEST NUMBER: P1436021

CATALOG NUMBER: SQ2W-FB-K-125U-125D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	568.0	568.0	568.0	568.0
2.5°	596.4	584.9	574.3	563.6
5°	677.2	624.4	588.0	551.6
7.5°	835.2	678.3	604.3	530.3
10°	983.0	716.9	613.8	510.6
12.5°	1097.3	768.9	628.8	488.8
15°	1225.1	853.8	653.5	453.3
17.5°	1328.5	949.7	683.2	416.7
20°	1396.2	1016.7	703.6	390.5
22.5°	1446.5	1066.4	716.4	366.4
25°	1500.9	1122.0	727.5	333.1
27.5°	1508.5	1134.4	717.7	300.9
30°	1499.1	1128.3	704.8	281.2
32.5°	1480.9	1114.7	689.3	263.8
35°	1437.2	1074.9	656.2	237.6
37.5°	1371.3	1012.7	614.0	215.2
40°	1322.5	966.6	584.3	202.1
42.5°	1265.7	912.7	550.8	189.0
45°	1172.3	822.5	497.3	172.0
47.5°	1072.6	721.2	438.7	156.2
50°	1004.8	652.3	399.9	147.5
52.5°	938.6	585.3	362.0	138.7
55°	841.9	492.4	310.4	128.3
57.5°	751.3	412.7	265.9	119.1
60°	694.5	369.5	242.1	114.7
62.5°	637.7	330.0	219.1	108.1
65°	557.9	280.6	190.8	101.0
67.5°	484.9	243.6	167.4	91.2
70°	440.5	225.4	155.0	84.6
72.5°	391.7	205.5	142.9	80.3
75°	313.1	172.9	122.0	71.0
77.5°	220.3	134.1	96.0	57.9
80°	143.8	109.8	79.5	49.2
82.5°	105.9	85.6	63.0	40.4
85°	59.2	51.3	37.9	24.6
87.5°	23.6	22.7	16.3	9.9
90°	34.5	21.1	13.4	5.8
92.5°	74.4	51.8	36.4	21.1
95°	149.6	118.9	84.4	59.4
97.5°	238.1	188.7	154.5	113.5
100°	285.7	237.8	205.2	161.1
102.5°	337.8	297.6	252.7	208.6
105°	431.4	381.6	329.8	279.9
107.5°	518.1	463.2	401.1	356.2
110°	573.3	513.9	448.7	408.4



TEST NUMBER: P1436021

CATALOG NUMBER: SQ2W-FB-K-125U-125D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	627.0	566.0	499.3	459.0
115°	699.8	632.7	571.4	536.9
117.5°	770.0	701.0	636.2	609.0
120°	813.0	743.9	680.7	659.6
122.5°	848.2	780.8	722.1	713.3
125°	901.2	832.1	782.3	793.8
127.5°	944.1	880.8	849.4	875.1
130°	970.2	914.6	895.4	931.8
132.5°	993.2	949.9	941.4	991.7
135°	1027.7	1002.8	1010.5	1079.5
137.5°	1068.7	1059.2	1084.8	1171.9
140°	1094.8	1100.6	1137.0	1234.8
142.5°	1130.1	1143.5	1190.7	1294.6
145°	1184.9	1213.7	1275.0	1378.6
147.5°	1247.1	1284.3	1360.2	1466.4
150°	1288.5	1336.4	1416.9	1518.6
152.5°	1336.0	1385.5	1466.0	1569.2
155°	1409.3	1464.9	1549.2	1637.4
157.5°	1484.0	1540.8	1621.3	1698.4
160°	1530.1	1591.4	1664.3	1735.2
162.5°	1582.2	1639.0	1702.6	1765.9
165°	1658.5	1704.5	1756.3	1810.0
167.5°	1722.6	1760.9	1801.6	1843.4
170°	1764.0	1794.7	1829.2	1861.8
172.5°	1799.3	1823.8	1849.1	1877.1
175°	1846.4	1859.8	1875.2	1892.4
177.5°	1882.9	1887.5	1892.1	1899.7
180°	1898.2	1898.2	1898.2	1898.2



TEST NUMBER: P1436021
 CATALOG NUMBER: SQ2W-FB-K-125U-125D-L830-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	13.90	14.79	14.85	15.76	17.03	23.50	24.39	24.45	25.36	26.62
	3H	14.84	15.64	15.80	16.62	17.91	25.11	25.91	26.07	26.89	28.17
	4H	15.24	16.00	16.22	16.98	18.28	25.29	26.04	26.26	27.03	28.32
	6H	15.50	16.20	16.49	17.18	18.49	25.36	26.06	26.35	27.05	28.36
	8H	15.59	16.26	16.59	17.26	18.57	25.38	26.05	26.37	27.05	28.36
	12H	15.64	16.28	16.64	17.27	18.60	25.36	25.99	26.36	26.99	28.32
4H	2H	18.63	19.38	19.61	20.37	21.66	23.87	24.63	24.85	25.61	26.90
	3H	19.76	20.39	20.75	21.40	22.71	25.76	26.39	26.75	27.40	28.71
	4H	20.04	20.62	21.04	21.62	22.96	25.98	26.56	26.98	27.56	28.90
	6H	20.18	20.67	21.19	21.70	23.03	26.12	26.61	27.13	27.64	28.97
	8H	20.22	20.68	21.23	21.70	23.05	26.16	26.63	27.18	27.65	28.99
	12H	20.22	20.64	21.25	21.68	23.03	26.15	26.56	27.18	27.60	28.95
8H	4H	21.24	21.70	22.25	22.72	24.07	26.08	26.54	27.09	27.56	28.91
	6H	21.50	21.88	22.53	22.94	24.29	26.28	26.66	27.31	27.72	29.06
	8H	21.60	21.93	22.64	22.98	24.34	26.37	26.70	27.41	27.75	29.11
	12H	21.64	21.93	22.69	22.98	24.38	26.37	26.67	27.42	27.71	29.12
12H	4H	21.26	21.68	22.29	22.72	24.07	26.03	26.45	27.06	27.49	28.84
	6H	21.60	21.94	22.65	22.99	24.35	26.26	26.60	27.30	27.64	29.01
	8H	21.74	22.04	22.79	23.08	24.49	26.36	26.66	27.41	27.70	29.10