

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1427546

Luminaire Tested: SQ2W-BBM-K-125U-075D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427546
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2104-222-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-BBM-K-125U-075D-L930-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - BLACK DISCREET BAFFLE, MEDIUM 80-DEGREE OPTIC
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

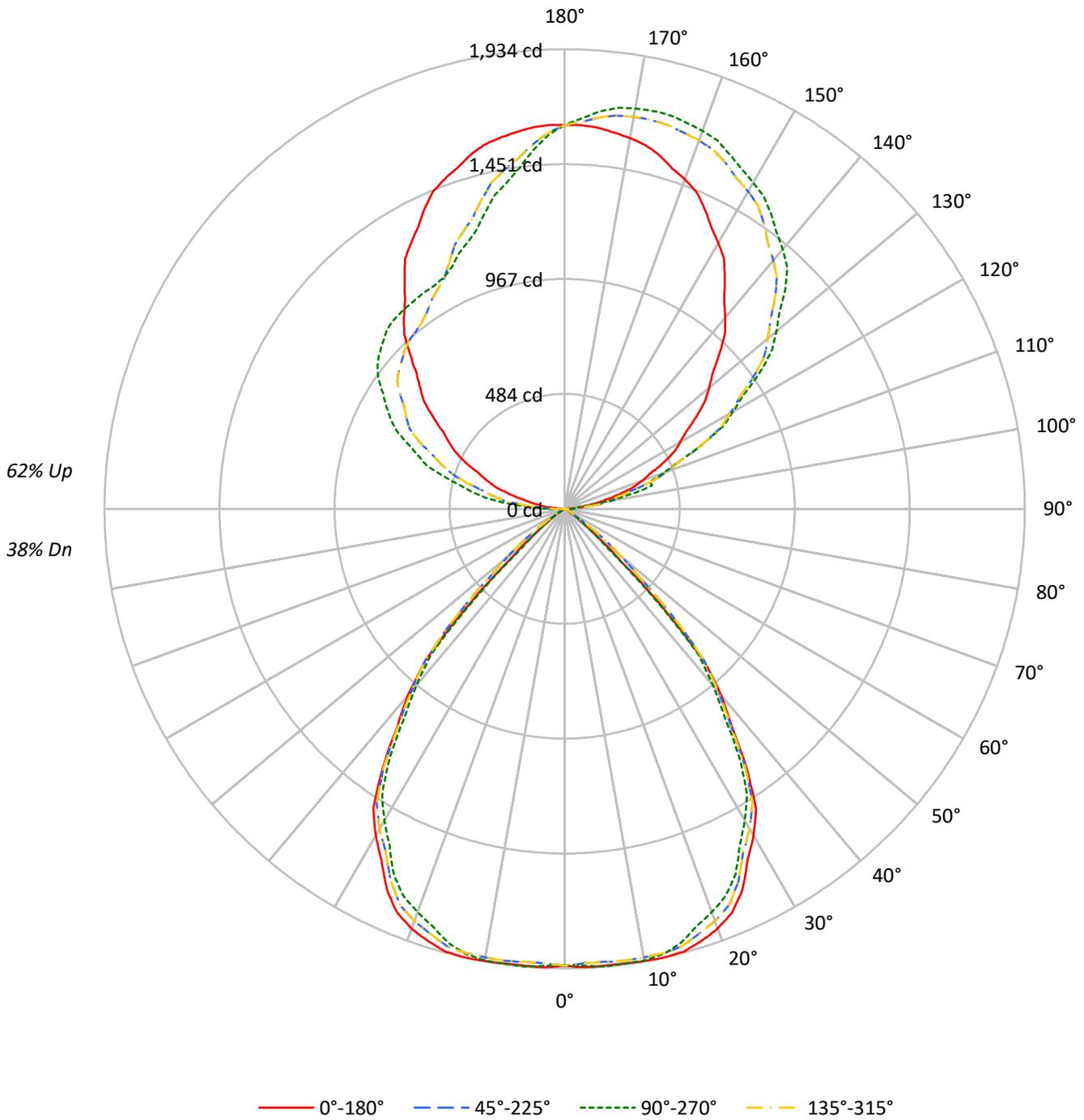
Lumens per Lamp: N/A
Luminaire Lumens: 7595.2 lumens
Efficiency: N/A
Efficacy: 106.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.17 / 1.16
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 71.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	104	104	104	104	95	95	95	95	77	77	77	60	60	60	45	45	45	38				
1	97	93	90	87	88	85	82	79	69	67	66	55	54	53	42	41	41	35				
2	89	83	78	73	81	76	71	68	63	60	57	50	48	47	39	38	37	32				
3	82	74	68	63	75	68	63	59	57	53	50	46	43	41	36	35	33	29				
4	76	67	60	55	69	62	56	51	51	47	44	42	39	37	33	32	30	26				
5	71	60	53	48	64	56	50	45	47	42	39	39	35	33	31	29	27	24				
6	65	55	48	42	60	51	44	40	43	38	35	35	32	30	29	26	25	22				
7	61	50	43	38	56	46	40	36	39	35	31	33	29	27	27	24	23	20				
8	57	46	39	34	52	42	36	32	36	31	28	30	27	24	25	22	21	18				
9	53	42	35	30	49	39	33	29	33	29	26	28	25	22	23	21	19	17				
10	50	39	32	28	45	36	30	26	31	26	23	26	23	20	22	19	18	16				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	31041	31041	31041	31041
5°	31285	31332	31285	31332
10°	31678	31632	31678	31632
15°	32250	31607	32250	31607
20°	32291	31035	32291	31035
25°	31493	30258	31493	30258
30°	29604	28224	29604	28224
35°	26276	25288	26276	25288
40°	21549	20394	21549	20394
45°	12848	12056	12848	12056
50°	4011	3793	4011	3793
55°	1517	1517	1517	1517
60°	94	32	94	32
65°	0	0	0	0
70°	0	0	0	0
75°	0	0	0	0
80°	0	0	0	0
85°	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 15040 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.8	2.4
10°-20°	538.5	7.1
20°-30°	792.2	10.4
30°-40°	809.7	10.7
40°-50°	466.4	6.1
50°-60°	80.3	1.1
60°-70°	2.9	0.0
70°-80°	0.0	0.0
80°-90°	8.6	0.1
90°-100°	128.5	1.7
100°-110°	374.8	4.9
110°-120°	611.6	8.1
120°-130°	776.1	10.2
130°-140°	830.4	10.9
140°-150°	775.4	10.2
150°-160°	638.1	8.4
160°-170°	427.9	5.6
170°-180°	151.9	2.0
0°-30°	1514.5	19.9
0°-40°	2324.3	30.6
0°-60°	2871.0	37.8
0°-90°	2882.4	38.0
90°-120°	1114.9	14.7
90°-150°	3496.8	46.0
90°-180°	4715.0	62.1
0°-180°	7595.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1923	1923	1923	1923	1923	
5°	1930	1933	1930	1933	1930	184
15°	1929	1891	1929	1891	1929	543
25°	1768	1698	1768	1698	1768	807
35°	1333	1283	1333	1283	1333	823
45°	563	528	563	528	563	435
55°	54	54	54	54	54	57
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	5	36	5	70	5	4
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°	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6
2.5°	1931.1	1928.7	1926.3	1920.6	1913.7	1914.3	1922.1	1927.6	1925.9	1924.2	1925.9
5°	1930.3	1928.2	1926.1	1920.1	1912.8	1914.9	1926.5	1934.9	1934.1	1933.2	1934.1
7.5°	1929.2	1927.7	1926.3	1922.1	1916.9	1919.1	1928.6	1935.2	1933.0	1930.9	1933.0
10°	1932.2	1931.8	1931.4	1924.9	1916.3	1917.0	1926.8	1933.6	1931.5	1929.4	1931.5
12.5°	1933.8	1936.4	1939.1	1929.7	1916.4	1913.6	1921.4	1926.3	1922.4	1918.6	1922.4
15°	1929.4	1936.6	1943.9	1930.6	1910.6	1901.2	1902.4	1902.0	1896.4	1890.9	1896.4
17.5°	1907.8	1918.1	1928.3	1910.8	1884.1	1868.3	1863.6	1858.1	1850.3	1842.4	1850.3
20°	1879.4	1891.3	1903.3	1884.2	1854.7	1835.9	1827.7	1819.9	1813.1	1806.3	1813.1
22.5°	1839.3	1850.3	1861.2	1842.9	1814.7	1795.6	1785.4	1776.4	1770.9	1765.5	1770.9
25°	1767.8	1775.0	1782.3	1763.6	1736.3	1718.7	1711.0	1704.5	1701.5	1698.5	1701.5
27.5°	1666.4	1668.5	1670.5	1655.6	1635.1	1620.1	1610.5	1602.4	1598.5	1594.7	1598.5
30°	1587.9	1587.9	1587.9	1576.4	1561.0	1548.2	1537.9	1528.4	1521.1	1513.9	1521.1
32.5°	1496.4	1495.3	1494.3	1485.8	1474.9	1463.8	1452.5	1442.2	1435.0	1427.7	1435.0
35°	1333.1	1337.8	1342.5	1336.6	1327.2	1316.9	1305.8	1295.9	1289.4	1283.0	1289.4
37.5°	1156.3	1158.1	1159.9	1155.0	1147.9	1138.4	1126.4	1116.1	1110.7	1105.3	1110.7
40°	1022.4	1022.8	1023.2	1017.3	1009.1	1000.8	992.3	983.8	975.7	967.6	975.7
42.5°	866.2	874.8	883.5	879.8	872.0	861.3	847.6	836.5	833.2	829.8	833.2
45°	562.7	600.7	638.7	652.7	658.7	654.0	638.6	616.1	572.1	528.0	572.1
47.5°	282.8	330.1	377.5	410.3	438.3	430.3	386.4	341.9	295.3	248.7	295.3
50°	159.7	187.9	216.1	260.0	309.2	301.0	235.6	182.6	166.8	151.0	166.8
52.5°	106.6	119.0	131.5	166.9	209.9	207.1	158.4	119.7	110.7	101.8	110.7
55°	53.9	57.3	60.7	76.3	96.0	95.5	75.0	59.0	56.4	53.9	56.4
57.5°	18.3	22.9	27.5	34.4	42.1	42.3	35.1	28.6	24.4	20.2	24.4
60°	2.9	7.2	11.4	17.0	23.0	22.3	15.1	8.7	4.8	1.0	4.8
62.5°	0.6	1.8	3.0	7.5	13.1	13.0	7.1	2.4	1.3	0.2	1.3
65°	0.0	0.0	0.0	0.3	0.7	0.7	0.3	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.0	2.3	3.9	5.2	6.2	6.5	6.5	6.9	7.2	7.2	7.2
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°	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6
2.5°	1927.6	1922.1	1914.3	1913.7	1920.6	1926.3	1928.7	1931.1	1928.7	1926.3	1920.6
5°	1934.9	1926.5	1914.9	1912.8	1920.1	1926.1	1928.2	1930.3	1928.2	1926.1	1920.1
7.5°	1935.2	1928.6	1919.1	1916.9	1922.1	1926.3	1927.7	1929.2	1927.7	1926.3	1922.1
10°	1933.6	1926.8	1917.0	1916.3	1924.9	1931.4	1931.8	1932.2	1931.8	1931.4	1924.9
12.5°	1926.3	1921.4	1913.6	1916.4	1929.7	1939.1	1936.4	1933.8	1936.4	1939.1	1929.7
15°	1902.0	1902.4	1901.2	1910.6	1930.6	1943.9	1936.6	1929.4	1936.6	1943.9	1930.6
17.5°	1858.1	1863.6	1868.3	1884.1	1910.8	1928.3	1918.1	1907.8	1918.1	1928.3	1910.8
20°	1819.9	1827.7	1835.9	1854.7	1884.2	1903.3	1891.3	1879.4	1891.3	1903.3	1884.2
22.5°	1776.4	1785.4	1795.6	1814.7	1842.9	1861.2	1850.3	1839.3	1850.3	1861.2	1842.9
25°	1704.5	1711.0	1718.7	1736.3	1763.6	1782.3	1775.0	1767.8	1775.0	1782.3	1763.6
27.5°	1602.4	1610.5	1620.1	1635.1	1655.6	1670.5	1668.5	1666.4	1668.5	1670.5	1655.6
30°	1528.4	1537.9	1548.2	1561.0	1576.4	1587.9	1587.9	1587.9	1587.9	1587.9	1576.4
32.5°	1442.2	1452.5	1463.8	1474.9	1485.8	1494.3	1495.3	1496.4	1495.3	1494.3	1485.8
35°	1295.9	1305.8	1316.9	1327.2	1336.6	1342.5	1337.8	1333.1	1337.8	1342.5	1336.6
37.5°	1116.1	1126.4	1138.4	1147.9	1155.0	1159.9	1158.1	1156.3	1158.1	1159.9	1155.0
40°	983.8	992.3	1000.8	1009.1	1017.3	1023.2	1022.8	1022.4	1022.8	1023.2	1017.3
42.5°	836.5	847.6	861.3	872.0	879.8	883.5	874.8	866.2	874.8	883.5	879.8
45°	616.1	638.6	654.0	658.7	652.7	638.7	600.7	562.7	600.7	638.7	652.7
47.5°	341.9	386.4	430.3	438.3	410.3	377.5	330.1	282.8	330.1	377.5	410.3
50°	182.6	235.6	301.0	309.2	260.0	216.1	187.9	159.7	187.9	216.1	260.0
52.5°	119.7	158.4	207.1	209.9	166.9	131.5	119.0	106.6	119.0	131.5	166.9
55°	59.0	75.0	95.5	96.0	76.3	60.7	57.3	53.9	57.3	60.7	76.3
57.5°	28.6	35.1	42.3	42.1	34.4	27.5	22.9	18.3	22.9	27.5	34.4
60°	8.7	15.1	22.3	23.0	17.0	11.4	7.2	2.9	7.2	11.4	17.0
62.5°	2.4	7.1	13.0	13.1	7.5	3.0	1.8	0.6	1.8	3.0	7.5
65°	0.0	0.3	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.3
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.9	6.5	6.5	6.2	5.2	3.9	2.3	1.0	2.3	3.6	5.9
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: P1427546

CATALOG NUMBER: SQ2W-BBM-K-125U-075D-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: P1427546

CATALOG NUMBER: SQ2W-BBM-K-125U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6
2.5°	1913.7	1914.3	1922.1	1927.6	1925.9	1924.2	1925.9	1927.6	1922.1	1914.3	1913.7
5°	1912.8	1914.9	1926.5	1934.9	1934.1	1933.2	1934.1	1934.9	1926.5	1914.9	1912.8
7.5°	1916.9	1919.1	1928.6	1935.2	1933.0	1930.9	1933.0	1935.2	1928.6	1919.1	1916.9
10°	1916.3	1917.0	1926.8	1933.6	1931.5	1929.4	1931.5	1933.6	1926.8	1917.0	1916.3
12.5°	1916.4	1913.6	1921.4	1926.3	1922.4	1918.6	1922.4	1926.3	1921.4	1913.6	1916.4
15°	1910.6	1901.2	1902.4	1902.0	1896.4	1890.9	1896.4	1902.0	1902.4	1901.2	1910.6
17.5°	1884.1	1868.3	1863.6	1858.1	1850.3	1842.4	1850.3	1858.1	1863.6	1868.3	1884.1
20°	1854.7	1835.9	1827.7	1819.9	1813.1	1806.3	1813.1	1819.9	1827.7	1835.9	1854.7
22.5°	1814.7	1795.6	1785.4	1776.4	1770.9	1765.5	1770.9	1776.4	1785.4	1795.6	1814.7
25°	1736.3	1718.7	1711.0	1704.5	1701.5	1698.5	1701.5	1704.5	1711.0	1718.7	1736.3
27.5°	1635.1	1620.1	1610.5	1602.4	1598.5	1594.7	1598.5	1602.4	1610.5	1620.1	1635.1
30°	1561.0	1548.2	1537.9	1528.4	1521.1	1513.9	1521.1	1528.4	1537.9	1548.2	1561.0
32.5°	1474.9	1463.8	1452.5	1442.2	1435.0	1427.7	1435.0	1442.2	1452.5	1463.8	1474.9
35°	1327.2	1316.9	1305.8	1295.9	1289.4	1283.0	1289.4	1295.9	1305.8	1316.9	1327.2
37.5°	1147.9	1138.4	1126.4	1116.1	1110.7	1105.3	1110.7	1116.1	1126.4	1138.4	1147.9
40°	1009.1	1000.8	992.3	983.8	975.7	967.6	975.7	983.8	992.3	1000.8	1009.1
42.5°	872.0	861.3	847.6	836.5	833.2	829.8	833.2	836.5	847.6	861.3	872.0
45°	658.7	654.0	638.6	616.1	572.1	528.0	572.1	616.1	638.6	654.0	658.7
47.5°	438.3	430.3	386.4	341.9	295.3	248.7	295.3	341.9	386.4	430.3	438.3
50°	309.2	301.0	235.6	182.6	166.8	151.0	166.8	182.6	235.6	301.0	309.2
52.5°	209.9	207.1	158.4	119.7	110.7	101.8	110.7	119.7	158.4	207.1	209.9
55°	96.0	95.5	75.0	59.0	56.4	53.9	56.4	59.0	75.0	95.5	96.0
57.5°	42.1	42.3	35.1	28.6	24.4	20.2	24.4	28.6	35.1	42.3	42.1
60°	23.0	22.3	15.1	8.7	4.8	1.0	4.8	8.7	15.1	22.3	23.0
62.5°	13.1	13.0	7.1	2.4	1.3	0.2	1.3	2.4	7.1	13.0	13.1
65°	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.7
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.5	9.8	12.1	13.4	14.7	14.0	14.7	13.4	12.1	9.8	7.5
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: P1427546

CATALOG NUMBER: SQ2W-BBM-K-125U-075D-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: P1427546

CATALOG NUMBER: SQ2W-BBM-K-125U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1922.6	1922.6	1922.6	1922.6
2.5°	1920.6	1926.3	1928.7	1931.1
5°	1920.1	1926.1	1928.2	1930.3
7.5°	1922.1	1926.3	1927.7	1929.2
10°	1924.9	1931.4	1931.8	1932.2
12.5°	1929.7	1939.1	1936.4	1933.8
15°	1930.6	1943.9	1936.6	1929.4
17.5°	1910.8	1928.3	1918.1	1907.8
20°	1884.2	1903.3	1891.3	1879.4
22.5°	1842.9	1861.2	1850.3	1839.3
25°	1763.6	1782.3	1775.0	1767.8
27.5°	1655.6	1670.5	1668.5	1666.4
30°	1576.4	1587.9	1587.9	1587.9
32.5°	1485.8	1494.3	1495.3	1496.4
35°	1336.6	1342.5	1337.8	1333.1
37.5°	1155.0	1159.9	1158.1	1156.3
40°	1017.3	1023.2	1022.8	1022.4
42.5°	879.8	883.5	874.8	866.2
45°	652.7	638.7	600.7	562.7
47.5°	410.3	377.5	330.1	282.8
50°	260.0	216.1	187.9	159.7
52.5°	166.9	131.5	119.0	106.6
55°	76.3	60.7	57.3	53.9
57.5°	34.4	27.5	22.9	18.3
60°	17.0	11.4	7.2	2.9
62.5°	7.5	3.0	1.8	0.6
65°	0.3	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0
87.5°	5.9	3.6	2.3	1.0
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: P1427546

CATALOG NUMBER: SQ2W-BBM-K-125U-075D-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: P1427546
 CATALOG NUMBER: SQ2W-BBM-K-125U-075D-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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4H	2H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8H	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12H	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00