

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: P1428554

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

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428554  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2104-222-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/10/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ2W-WBM-K-125U-075D-L930-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - WHITE 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**

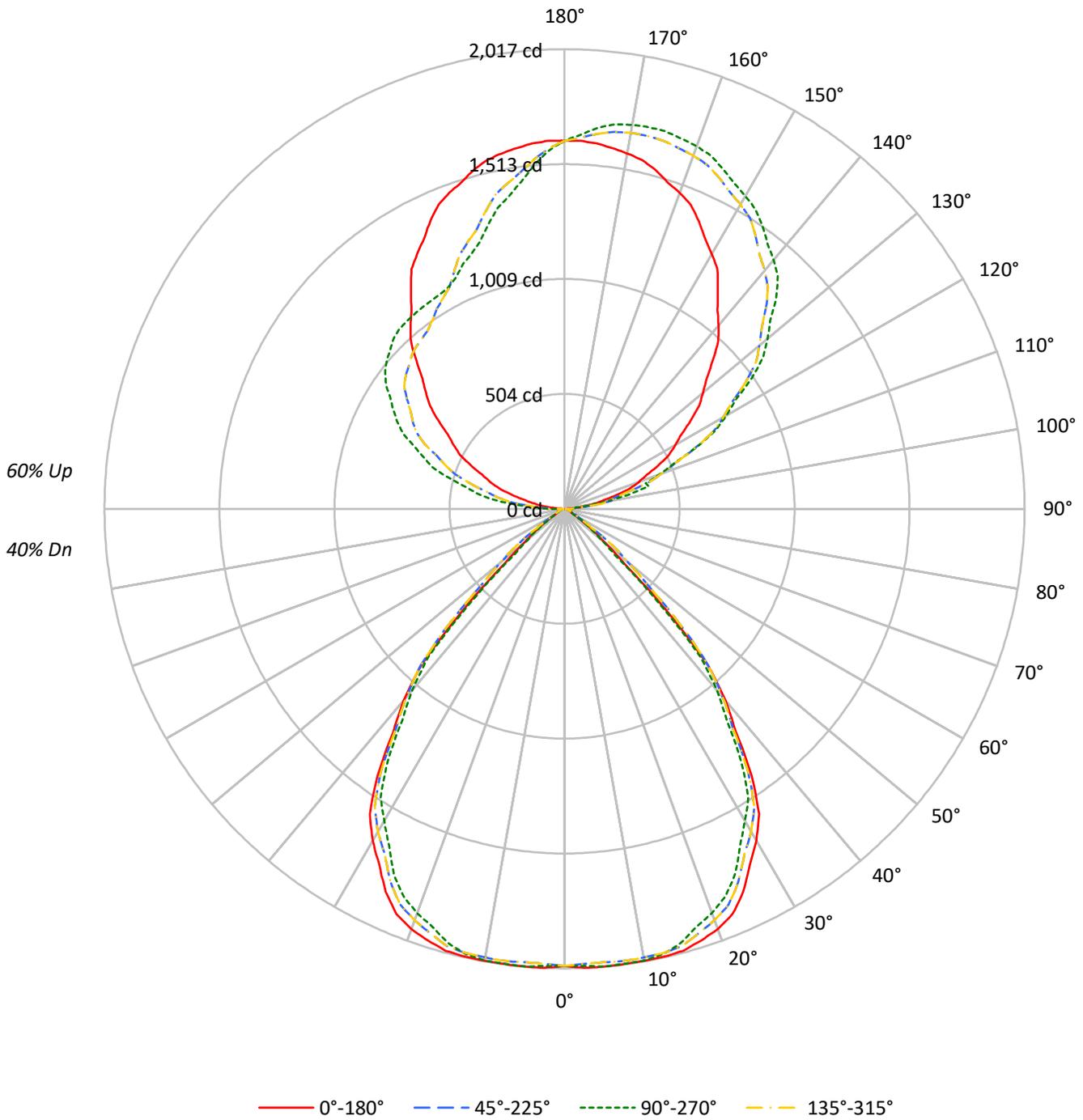
Lumens per Lamp: N/A  
Luminaire Lumens: 7859.7 lumens  
Efficiency: N/A  
Efficacy: 109.8 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 71.6  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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	105	105	105	105	95	95	95	95	78	78	78	62	62	62	47	47	47	40				
1	97	93	90	87	88	85	82	80	70	68	67	56	55	54	44	43	42	36				
2	90	83	78	73	82	76	72	68	63	60	58	51	49	48	40	39	38	33				
3	83	74	68	63	75	68	63	59	57	53	50	47	44	42	37	36	34	30				
4	76	67	60	55	70	62	56	51	52	48	44	43	40	37	34	32	31	27				
5	71	60	53	48	65	56	50	45	47	43	39	39	36	33	32	30	28	25				
6	66	55	48	42	60	51	44	40	43	38	35	36	33	30	29	27	25	22				
7	61	50	43	38	56	46	40	36	40	35	31	33	30	27	27	25	23	20				
8	57	46	39	34	52	42	36	32	36	32	28	31	27	25	25	23	21	19				
9	53	42	35	30	49	39	33	29	34	29	26	28	25	23	24	21	19	17				
10	50	39	32	28	46	36	30	26	31	26	23	26	23	21	22	20	18	16				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	32393	32393	32393	32393
5°	32688	32672	32688	32672
10°	33019	33002	33019	33002
15°	33567	32972	33567	32972
20°	33728	32439	33728	32439
25°	33034	31527	33034	31527
30°	31343	29479	31343	29479
35°	28189	26597	28189	26597
40°	23110	21892	23110	21892
45°	14451	13572	14451	13572
50°	5654	5169	5654	5169
55°	2790	2761	2790	2761
60°	1305	1179	1305	1179
65°	1177	1104	1177	1104
70°	1133	1090	1133	1090
75°	1142	1023	1142	1023
80°	1069	986	1069	986
85°	1074	889	1074	889

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 30°  
 Vertical Angle: 45°  
 Luminance: 16449 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	191.8	2.4
10°-20°	560.9	7.1
20°-30°	829.3	10.6
30°-40°	858.1	10.9
40°-50°	516.1	6.6
50°-60°	123.4	1.6
60°-70°	33.7	0.4
70°-80°	18.9	0.2
80°-90°	12.6	0.2
90°-100°	128.5	1.6
100°-110°	374.8	4.8
110°-120°	611.6	7.8
120°-130°	776.1	9.9
130°-140°	830.4	10.6
140°-150°	775.4	9.9
150°-160°	638.1	8.1
160°-170°	427.9	5.4
170°-180°	151.9	1.9
0°-30°	1582.1	20.1
0°-40°	2440.2	31.0
0°-60°	3079.7	39.2
0°-90°	3145.0	40.0
90°-120°	1114.9	14.2
90°-150°	3496.8	44.5
90°-180°	4715.0	60.0
0°-180°	7859.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2006	2006	2006	2006	2006	
5°	2017	2016	2017	2016	2017	192
15°	2008	1973	2008	1973	2008	566
25°	1854	1770	1854	1770	1854	848
35°	1430	1349	1430	1349	1430	878
45°	633	594	633	594	633	489
55°	99	98	99	98	99	99
65°	31	29	31	29	31	31
75°	18	16	18	16	18	19
85°	6	5	6	5	6	6
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°	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3
2.5°	2016.3	2013.9	2011.5	2005.5	1998.4	1998.5	2006.1	2011.3	2009.6	2007.9	2009.6
5°	2016.9	2013.9	2010.9	2004.1	1995.9	1997.9	2009.8	2018.5	2017.2	2015.9	2017.2
7.5°	2014.8	2013.5	2012.2	2007.2	2001.0	2002.4	2011.4	2017.7	2015.8	2013.8	2015.8
10°	2014.0	2014.4	2014.9	2008.2	1999.3	1999.5	2008.9	2015.6	2014.3	2013.0	2014.3
12.5°	2013.2	2016.7	2020.2	2011.3	1998.2	1995.4	2002.7	2007.5	2004.5	2001.5	2004.5
15°	2008.2	2015.1	2021.9	2009.8	1991.5	1982.3	1982.3	1981.2	1976.9	1972.6	1976.9
17.5°	1986.9	1995.0	2003.1	1986.8	1962.2	1946.7	1940.1	1933.8	1928.6	1923.4	1928.6
20°	1963.0	1971.2	1979.3	1959.8	1931.2	1911.5	1900.8	1892.3	1890.1	1888.0	1890.1
22.5°	1925.3	1934.1	1942.9	1922.1	1891.4	1870.2	1858.5	1848.9	1845.3	1841.8	1845.3
25°	1854.3	1861.2	1868.0	1846.3	1815.1	1795.3	1786.7	1779.1	1774.4	1769.7	1774.4
27.5°	1759.7	1763.5	1767.2	1746.2	1717.0	1697.5	1687.8	1678.8	1672.3	1665.8	1672.3
30°	1681.2	1682.9	1684.6	1667.8	1644.7	1626.7	1613.9	1601.7	1591.5	1581.2	1591.5
32.5°	1588.1	1589.8	1591.5	1576.7	1556.4	1540.1	1528.0	1516.8	1508.6	1500.4	1508.6
35°	1430.2	1429.3	1428.5	1419.0	1406.6	1393.3	1379.2	1366.5	1358.0	1349.4	1358.0
37.5°	1232.6	1233.8	1235.0	1228.0	1218.1	1207.7	1196.5	1186.0	1177.4	1168.8	1177.4
40°	1096.5	1097.3	1098.2	1092.3	1084.2	1072.0	1055.7	1043.0	1040.9	1038.7	1040.9
42.5°	930.3	943.1	955.9	950.7	939.5	927.7	915.2	903.3	893.3	883.3	893.3
45°	632.9	671.8	710.7	720.4	720.4	712.9	697.9	676.5	635.4	594.4	635.4
47.5°	357.4	401.7	446.0	475.1	499.1	488.9	444.4	398.6	348.8	298.9	348.8
50°	225.1	255.0	284.9	322.2	362.0	351.1	289.5	239.2	222.5	205.8	222.5
52.5°	159.7	174.9	190.1	225.3	267.1	262.0	210.0	168.8	160.0	151.2	160.0
55°	99.1	104.6	110.2	127.3	148.2	146.9	123.4	104.9	101.5	98.1	101.5
57.5°	58.9	64.6	70.3	77.9	86.1	86.1	77.9	70.4	65.0	59.6	65.0
60°	40.4	45.1	49.8	56.1	62.9	62.1	53.5	46.0	41.3	36.5	41.3
62.5°	35.0	37.0	38.9	43.8	49.6	49.1	42.3	36.7	35.1	33.5	35.1
65°	30.8	31.2	31.6	32.1	32.5	32.3	31.4	30.6	29.7	28.9	29.7
67.5°	27.1	27.6	28.0	27.8	27.5	27.3	27.2	26.9	26.2	25.4	26.2
70°	24.0	24.5	24.9	25.0	25.0	24.8	24.4	23.9	23.5	23.1	23.5
72.5°	21.7	22.2	22.6	22.4	22.1	21.9	21.8	21.5	20.8	20.0	20.8
75°	18.3	18.3	18.3	18.3	18.3	18.1	17.6	17.2	16.8	16.4	16.8
77.5°	13.8	14.3	14.7	14.5	14.1	13.8	13.8	13.7	13.3	12.9	13.3
80°	11.5	12.0	12.4	12.2	11.8	11.5	11.5	11.4	11.0	10.6	11.0
82.5°	9.2	9.3	9.4	9.4	9.3	9.2	9.2	9.1	8.7	8.3	8.7
85°	5.8	5.8	5.8	5.5	5.0	4.8	4.8	4.8	4.8	4.8	4.8
87.5°	2.5	4.2	6.1	7.3	7.9	8.1	8.1	8.4	8.7	8.7	8.7
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°	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3
2.5°	2011.3	2006.1	1998.5	1998.4	2005.5	2011.5	2013.9	2016.3	2013.9	2011.5	2005.5
5°	2018.5	2009.8	1997.9	1995.9	2004.1	2010.9	2013.9	2016.9	2013.9	2010.9	2004.1
7.5°	2017.7	2011.4	2002.4	2001.0	2007.2	2012.2	2013.5	2014.8	2013.5	2012.2	2007.2
10°	2015.6	2008.9	1999.5	1999.3	2008.2	2014.9	2014.4	2014.0	2014.4	2014.9	2008.2
12.5°	2007.5	2002.7	1995.4	1998.2	2011.3	2020.2	2016.7	2013.2	2016.7	2020.2	2011.3
15°	1981.2	1982.3	1982.3	1991.5	2009.8	2021.9	2015.1	2008.2	2015.1	2021.9	2009.8
17.5°	1933.8	1940.1	1946.7	1962.2	1986.8	2003.1	1995.0	1986.9	1995.0	2003.1	1986.8
20°	1892.3	1900.8	1911.5	1931.2	1959.8	1979.3	1971.2	1963.0	1971.2	1979.3	1959.8
22.5°	1848.9	1858.5	1870.2	1891.4	1922.1	1942.9	1934.1	1925.3	1934.1	1942.9	1922.1
25°	1779.1	1786.7	1795.3	1815.1	1846.3	1868.0	1861.2	1854.3	1861.2	1868.0	1846.3
27.5°	1678.8	1687.8	1697.5	1717.0	1746.2	1767.2	1763.5	1759.7	1763.5	1767.2	1746.2
30°	1601.7	1613.9	1626.7	1644.7	1667.8	1684.6	1682.9	1681.2	1682.9	1684.6	1667.8
32.5°	1516.8	1528.0	1540.1	1556.4	1576.7	1591.5	1589.8	1588.1	1589.8	1591.5	1576.7
35°	1366.5	1379.2	1393.3	1406.6	1419.0	1428.5	1429.3	1430.2	1429.3	1428.5	1419.0
37.5°	1186.0	1196.5	1207.7	1218.1	1228.0	1235.0	1233.8	1232.6	1233.8	1235.0	1228.0
40°	1043.0	1055.7	1072.0	1084.2	1092.3	1098.2	1097.3	1096.5	1097.3	1098.2	1092.3
42.5°	903.3	915.2	927.7	939.5	950.7	955.9	943.1	930.3	943.1	955.9	950.7
45°	676.5	697.9	712.9	720.4	720.4	710.7	671.8	632.9	671.8	710.7	720.4
47.5°	398.6	444.4	488.9	499.1	475.1	446.0	401.7	357.4	401.7	446.0	475.1
50°	239.2	289.5	351.1	362.0	322.2	284.9	255.0	225.1	255.0	284.9	322.2
52.5°	168.8	210.0	262.0	267.1	225.3	190.1	174.9	159.7	174.9	190.1	225.3
55°	104.9	123.4	146.9	148.2	127.3	110.2	104.6	99.1	104.6	110.2	127.3
57.5°	70.4	77.9	86.1	86.1	77.9	70.3	64.6	58.9	64.6	70.3	77.9
60°	46.0	53.5	62.1	62.9	56.1	49.8	45.1	40.4	45.1	49.8	56.1
62.5°	36.7	42.3	49.1	49.6	43.8	38.9	37.0	35.0	37.0	38.9	43.8
65°	30.6	31.4	32.3	32.5	32.1	31.6	31.2	30.8	31.2	31.6	32.1
67.5°	26.9	27.2	27.3	27.5	27.8	28.0	27.6	27.1	27.6	28.0	27.8
70°	23.9	24.4	24.8	25.0	25.0	24.9	24.5	24.0	24.5	24.9	25.0
72.5°	21.5	21.8	21.9	22.1	22.4	22.6	22.2	21.7	22.2	22.6	22.4
75°	17.2	17.6	18.1	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3
77.5°	13.7	13.8	13.8	14.1	14.5	14.7	14.3	13.8	14.3	14.7	14.5
80°	11.4	11.5	11.5	11.8	12.2	12.4	12.0	11.5	12.0	12.4	12.2
82.5°	9.1	9.2	9.2	9.3	9.4	9.4	9.3	9.2	9.3	9.4	9.4
85°	4.8	4.8	4.8	5.0	5.5	5.8	5.8	5.8	5.8	5.8	5.5
87.5°	8.4	8.1	8.1	7.9	7.3	6.1	4.2	2.5	4.2	5.8	7.9
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: P1428554

CATALOG NUMBER: SQ2W-WBM-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: P1428554

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

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3
2.5°	1998.4	1998.5	2006.1	2011.3	2009.6	2007.9	2009.6	2011.3	2006.1	1998.5	1998.4
5°	1995.9	1997.9	2009.8	2018.5	2017.2	2015.9	2017.2	2018.5	2009.8	1997.9	1995.9
7.5°	2001.0	2002.4	2011.4	2017.7	2015.8	2013.8	2015.8	2017.7	2011.4	2002.4	2001.0
10°	1999.3	1999.5	2008.9	2015.6	2014.3	2013.0	2014.3	2015.6	2008.9	1999.5	1999.3
12.5°	1998.2	1995.4	2002.7	2007.5	2004.5	2001.5	2004.5	2007.5	2002.7	1995.4	1998.2
15°	1991.5	1982.3	1982.3	1981.2	1976.9	1972.6	1976.9	1981.2	1982.3	1982.3	1991.5
17.5°	1962.2	1946.7	1940.1	1933.8	1928.6	1923.4	1928.6	1933.8	1940.1	1946.7	1962.2
20°	1931.2	1911.5	1900.8	1892.3	1890.1	1888.0	1890.1	1892.3	1900.8	1911.5	1931.2
22.5°	1891.4	1870.2	1858.5	1848.9	1845.3	1841.8	1845.3	1848.9	1858.5	1870.2	1891.4
25°	1815.1	1795.3	1786.7	1779.1	1774.4	1769.7	1774.4	1779.1	1786.7	1795.3	1815.1
27.5°	1717.0	1697.5	1687.8	1678.8	1672.3	1665.8	1672.3	1678.8	1687.8	1697.5	1717.0
30°	1644.7	1626.7	1613.9	1601.7	1591.5	1581.2	1591.5	1601.7	1613.9	1626.7	1644.7
32.5°	1556.4	1540.1	1528.0	1516.8	1508.6	1500.4	1508.6	1516.8	1528.0	1540.1	1556.4
35°	1406.6	1393.3	1379.2	1366.5	1358.0	1349.4	1358.0	1366.5	1379.2	1393.3	1406.6
37.5°	1218.1	1207.7	1196.5	1186.0	1177.4	1168.8	1177.4	1186.0	1196.5	1207.7	1218.1
40°	1084.2	1072.0	1055.7	1043.0	1040.9	1038.7	1040.9	1043.0	1055.7	1072.0	1084.2
42.5°	939.5	927.7	915.2	903.3	893.3	883.3	893.3	903.3	915.2	927.7	939.5
45°	720.4	712.9	697.9	676.5	635.4	594.4	635.4	676.5	697.9	712.9	720.4
47.5°	499.1	488.9	444.4	398.6	348.8	298.9	348.8	398.6	444.4	488.9	499.1
50°	362.0	351.1	289.5	239.2	222.5	205.8	222.5	239.2	289.5	351.1	362.0
52.5°	267.1	262.0	210.0	168.8	160.0	151.2	160.0	168.8	210.0	262.0	267.1
55°	148.2	146.9	123.4	104.9	101.5	98.1	101.5	104.9	123.4	146.9	148.2
57.5°	86.1	86.1	77.9	70.4	65.0	59.6	65.0	70.4	77.9	86.1	86.1
60°	62.9	62.1	53.5	46.0	41.3	36.5	41.3	46.0	53.5	62.1	62.9
62.5°	49.6	49.1	42.3	36.7	35.1	33.5	35.1	36.7	42.3	49.1	49.6
65°	32.5	32.3	31.4	30.6	29.7	28.9	29.7	30.6	31.4	32.3	32.5
67.5°	27.5	27.3	27.2	26.9	26.2	25.4	26.2	26.9	27.2	27.3	27.5
70°	25.0	24.8	24.4	23.9	23.5	23.1	23.5	23.9	24.4	24.8	25.0
72.5°	22.1	21.9	21.8	21.5	20.8	20.0	20.8	21.5	21.8	21.9	22.1
75°	18.3	18.1	17.6	17.2	16.8	16.4	16.8	17.2	17.6	18.1	18.3
77.5°	14.1	13.8	13.8	13.7	13.3	12.9	13.3	13.7	13.8	13.8	14.1
80°	11.8	11.5	11.5	11.4	11.0	10.6	11.0	11.4	11.5	11.5	11.8
82.5°	9.3	9.2	9.2	9.1	8.7	8.3	8.7	9.1	9.2	9.2	9.3
85°	5.0	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	5.0
87.5°	9.2	11.3	13.6	14.9	16.2	15.6	16.2	14.9	13.6	11.3	9.2
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: P1428554

CATALOG NUMBER: SQ2W-WBM-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: P1428554

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

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	2006.3	2006.3	2006.3	2006.3
2.5°	2005.5	2011.5	2013.9	2016.3
5°	2004.1	2010.9	2013.9	2016.9
7.5°	2007.2	2012.2	2013.5	2014.8
10°	2008.2	2014.9	2014.4	2014.0
12.5°	2011.3	2020.2	2016.7	2013.2
15°	2009.8	2021.9	2015.1	2008.2
17.5°	1986.8	2003.1	1995.0	1986.9
20°	1959.8	1979.3	1971.2	1963.0
22.5°	1922.1	1942.9	1934.1	1925.3
25°	1846.3	1868.0	1861.2	1854.3
27.5°	1746.2	1767.2	1763.5	1759.7
30°	1667.8	1684.6	1682.9	1681.2
32.5°	1576.7	1591.5	1589.8	1588.1
35°	1419.0	1428.5	1429.3	1430.2
37.5°	1228.0	1235.0	1233.8	1232.6
40°	1092.3	1098.2	1097.3	1096.5
42.5°	950.7	955.9	943.1	930.3
45°	720.4	710.7	671.8	632.9
47.5°	475.1	446.0	401.7	357.4
50°	322.2	284.9	255.0	225.1
52.5°	225.3	190.1	174.9	159.7
55°	127.3	110.2	104.6	99.1
57.5°	77.9	70.3	64.6	58.9
60°	56.1	49.8	45.1	40.4
62.5°	43.8	38.9	37.0	35.0
65°	32.1	31.6	31.2	30.8
67.5°	27.8	28.0	27.6	27.1
70°	25.0	24.9	24.5	24.0
72.5°	22.4	22.6	22.2	21.7
75°	18.3	18.3	18.3	18.3
77.5°	14.5	14.7	14.3	13.8
80°	12.2	12.4	12.0	11.5
82.5°	9.4	9.4	9.3	9.2
85°	5.5	5.8	5.8	5.8
87.5°	7.9	5.8	4.2	2.5
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: P1428554

CATALOG NUMBER: SQ2W-WBM-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: P1428554  
 CATALOG NUMBER: SQ2W-WBM-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	2.96	3.63	4.03	4.68	6.10	2.94	3.62	4.01	4.67	6.08
	3H	3.65	4.24	4.72	5.30	6.74	3.56	4.16	4.64	5.22	6.66
	4H	4.01	4.57	5.09	5.63	7.08	3.87	4.43	4.95	5.49	6.94
	6H	4.27	4.79	5.37	5.86	7.31	4.10	4.61	5.19	5.68	7.13
	8H	4.39	4.88	5.49	5.96	7.41	4.19	4.68	5.29	5.76	7.21
	12H	4.47	4.93	5.57	6.01	7.47	4.24	4.71	5.34	5.78	7.25
4H	2H	3.05	3.61	4.14	4.67	6.11	3.03	3.60	4.12	4.66	6.10
	3H	3.98	4.45	5.08	5.54	6.99	3.90	4.36	5.00	5.45	6.91
	4H	4.49	4.92	5.59	5.99	7.47	4.34	4.77	5.44	5.85	7.32
	6H	4.91	5.28	6.02	6.38	7.85	4.71	5.08	5.82	6.18	7.65
	8H	5.10	5.44	6.21	6.53	8.02	4.88	5.22	5.98	6.31	7.79
	12H	5.22	5.53	6.35	6.64	8.13	4.97	5.27	6.09	6.38	7.87
8H	4H	4.60	4.94	5.71	6.04	7.52	4.47	4.81	5.57	5.90	7.38
	6H	5.18	5.46	6.31	6.59	8.07	4.98	5.26	6.11	6.40	7.88
	8H	5.47	5.71	6.60	6.83	8.33	5.25	5.50	6.39	6.61	8.11
	12H	5.69	5.90	6.82	7.01	8.55	5.42	5.63	6.56	6.75	8.29
12H	4H	4.58	4.89	5.70	5.99	7.48	4.45	4.76	5.57	5.86	7.35
	6H	5.22	5.46	6.35	6.58	8.08	5.03	5.27	6.16	6.39	7.89
	8H	5.54	5.75	6.67	6.86	8.41	5.33	5.54	6.46	6.66	8.20