

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: P1427777

Luminaire Tested: SQ2W-F-K-125U-075D-L830-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1427777  
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-125U-075D-L830-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - FROSTED CONTINUOUS ROLL LENS  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 750 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

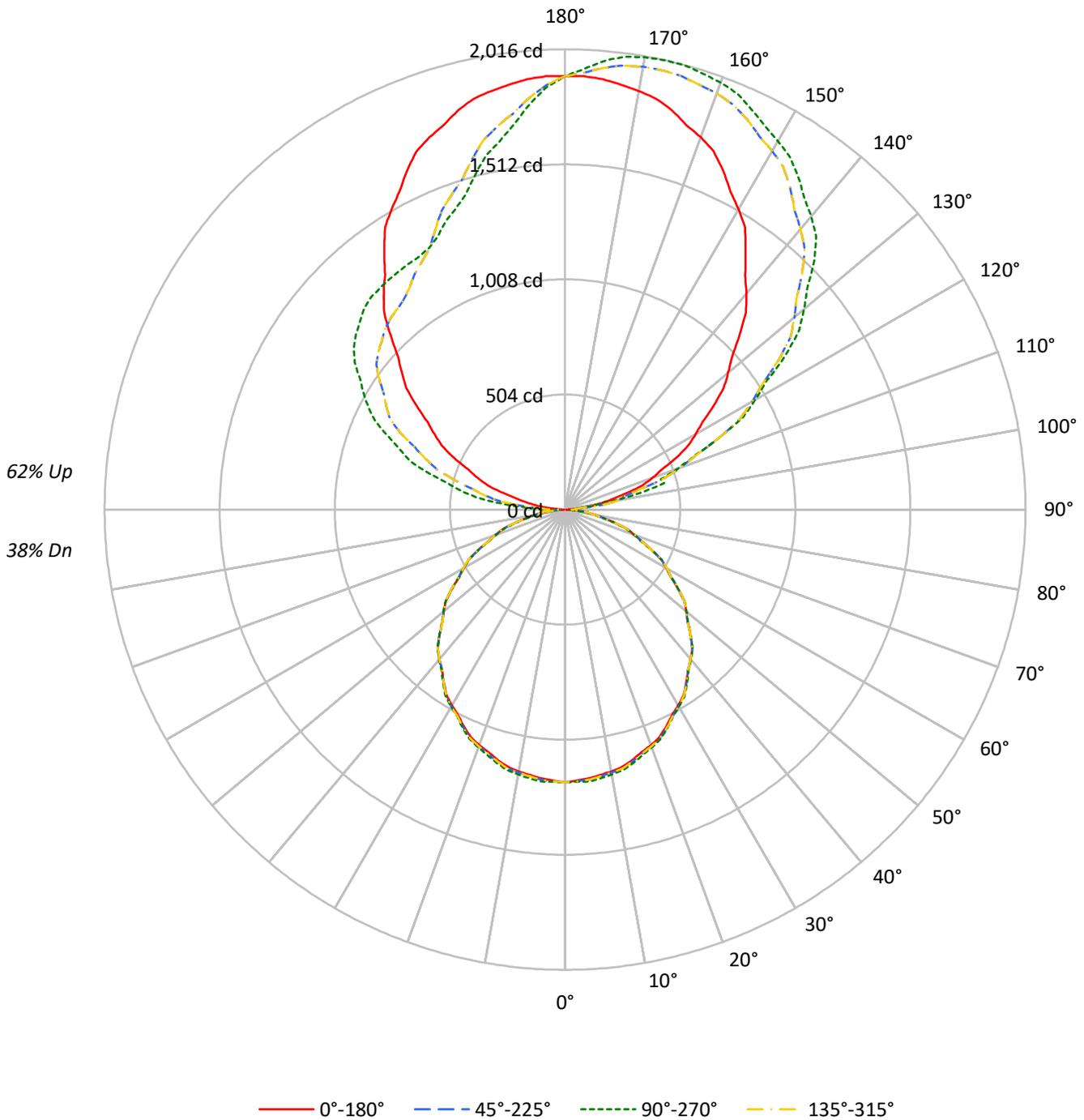
Lumens per Lamp: N/A  
Luminaire Lumens: 8911.0 lumens  
Efficiency: N/A  
Efficacy: 126.0 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 70.7  
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	0
RCR																		
0	104	104	104	104	95	95	95	95	77	77	77	60	60	60	45	45	45	38
1	95	91	87	83	86	82	79	76	67	65	62	53	51	50	39	39	38	32
2	86	79	73	68	78	72	67	62	58	55	51	46	43	41	35	33	31	26
3	79	69	62	56	71	63	57	52	51	47	43	41	37	35	30	28	27	22
4	72	61	53	47	65	56	49	44	45	40	37	36	32	30	27	25	23	19
5	66	54	46	40	59	50	43	37	41	35	31	32	28	25	24	22	20	16
6	60	49	41	35	55	44	37	32	36	31	27	29	25	22	22	19	17	14
7	56	44	36	30	50	40	33	28	33	28	24	26	22	20	20	17	15	13
8	52	40	32	27	47	36	30	25	30	25	21	24	20	17	18	16	14	11
9	48	36	29	24	44	33	27	22	27	22	19	22	18	16	17	14	12	10
10	45	33	26	21	41	30	24	20	25	20	17	20	17	14	16	13	11	9

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

	0°	90°	180°	270°
0°	19279	19279	19279	19279
5°	19163	19381	19163	19381
10°	19095	19315	19095	19315
15°	18990	19229	18990	19229
20°	18871	19058	18871	19058
25°	18666	18832	18666	18832
30°	18468	18593	18468	18593
35°	18232	18348	18232	18348
40°	18025	18079	18025	18079
45°	17762	17762	17762	17762
50°	17404	17447	17404	17447
55°	16996	17019	16996	17019
60°	16536	16536	16536	16536
65°	16000	15935	16000	15935
70°	15243	15087	15243	15087
75°	14217	13899	14217	13899
80°	12664	12041	12664	12041
85°	10133	8577	10133	8577

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 17881 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	113.0	1.3
10°-20°	322.8	3.6
20°-30°	486.0	5.5
30°-40°	581.1	6.5
40°-50°	600.1	6.7
50°-60°	541.2	6.1
60°-70°	414.6	4.7
70°-80°	239.6	2.7
80°-90°	70.1	0.8
90°-100°	151.1	1.7
100°-110°	440.5	4.9
110°-120°	719.0	8.1
120°-130°	912.3	10.2
130°-140°	976.2	11.0
140°-150°	911.5	10.2
150°-160°	750.1	8.4
160°-170°	503.1	5.6
170°-180°	178.6	2.0
0°-30°	921.8	10.3
0°-40°	1502.9	16.9
0°-60°	2644.2	29.7
0°-90°	3368.6	37.8
90°-120°	1310.6	14.7
90°-150°	4110.6	46.1
90°-180°	5542.0	62.2
0°-180°	8911.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1194	1194	1194	1194	1194	
5°	1182	1196	1182	1196	1182	112
15°	1136	1150	1136	1150	1136	320
25°	1048	1057	1048	1057	1048	483
35°	925	931	925	931	925	579
45°	778	778	778	778	778	599
55°	604	605	604	605	604	539
65°	419	417	419	417	419	414
75°	228	223	228	223	228	241
85°	55	46	55	46	55	64
90°	6	42	6	82	6	7
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°	1194.1	1194.1	1194.1	1194.1	1194.1	1194.1	1194.1	1194.1	1194.1	1194.1	1194.1
2.5°	1188.1	1193.8	1199.4	1197.0	1192.0	1190.0	1191.2	1192.3	1192.9	1193.5	1192.9
5°	1182.4	1189.8	1197.3	1194.7	1188.7	1186.1	1186.8	1188.3	1192.1	1195.8	1192.1
7.5°	1172.8	1180.2	1187.7	1185.3	1179.6	1177.2	1178.1	1179.8	1183.7	1187.6	1183.7
10°	1164.7	1172.2	1179.6	1177.0	1171.0	1168.8	1170.3	1172.2	1175.2	1178.1	1175.2
12.5°	1154.6	1162.1	1169.6	1167.4	1162.0	1159.8	1160.7	1162.2	1165.4	1168.7	1165.4
15°	1136.1	1143.6	1151.1	1149.0	1143.8	1141.7	1142.8	1144.4	1147.4	1150.4	1147.4
17.5°	1113.7	1120.8	1127.8	1125.9	1121.0	1119.2	1120.5	1122.1	1124.7	1127.4	1124.7
20°	1098.3	1105.0	1111.7	1109.8	1104.9	1102.6	1103.0	1104.0	1106.6	1109.2	1106.6
22.5°	1079.4	1086.1	1092.9	1091.1	1086.6	1083.9	1083.1	1083.3	1086.5	1089.7	1086.5
25°	1047.8	1054.5	1061.3	1059.9	1055.7	1053.1	1052.0	1051.8	1054.4	1057.1	1054.4
27.5°	1014.8	1020.4	1026.1	1024.9	1021.4	1019.3	1018.6	1018.5	1020.4	1022.2	1020.4
30°	990.6	996.2	1001.8	1000.4	996.7	994.4	993.7	993.6	995.5	997.3	995.5
32.5°	965.1	970.4	975.7	973.7	969.4	967.2	967.0	967.4	969.6	971.8	969.6
35°	925.0	929.5	934.0	932.0	927.9	926.1	926.4	927.2	929.0	930.9	929.0
37.5°	884.8	888.3	891.7	889.7	885.9	884.0	883.9	884.2	885.8	887.4	885.8
40°	855.2	859.0	862.7	860.6	856.4	854.2	853.8	854.0	855.9	857.8	855.9
42.5°	825.0	827.8	830.6	828.7	825.2	823.6	823.8	824.2	825.2	826.1	825.2
45°	777.9	780.5	783.1	781.2	777.9	776.2	776.2	776.4	777.1	777.9	777.1
47.5°	728.6	730.6	732.6	731.2	728.5	727.0	726.6	726.5	727.7	728.9	727.7
50°	692.9	695.5	698.2	696.9	694.2	692.6	691.8	691.6	693.1	694.6	693.1
52.5°	657.9	660.9	663.8	662.5	659.9	658.1	657.0	656.6	657.8	659.0	657.8
55°	603.8	607.2	610.5	609.7	607.4	605.6	604.1	603.1	603.9	604.6	603.9
57.5°	548.5	551.7	555.0	554.4	552.5	550.6	548.8	547.7	548.8	549.8	548.8
60°	512.1	515.1	518.1	517.2	514.9	513.1	511.6	510.6	511.4	512.1	511.4
62.5°	475.1	478.1	481.1	479.9	477.4	475.4	473.9	473.0	473.7	474.5	473.7
65°	418.8	421.4	424.0	423.0	420.7	418.9	417.4	416.4	416.7	417.1	416.7
67.5°	361.9	364.2	366.4	365.4	363.2	361.0	358.9	357.4	358.0	358.6	358.0
70°	322.9	325.2	327.4	326.6	324.7	322.8	321.0	319.6	319.6	319.6	319.6
72.5°	285.2	287.2	289.1	288.0	285.8	284.0	282.4	281.2	281.2	281.2	281.2
75°	227.9	229.0	230.1	229.6	228.5	227.0	225.1	223.6	223.2	222.8	223.2
77.5°	172.6	172.6	172.6	171.5	170.1	168.7	167.2	166.1	165.6	165.2	165.6
80°	136.2	136.2	136.2	135.4	134.3	133.1	132.0	131.0	130.3	129.5	130.3
82.5°	102.6	102.0	101.4	100.4	99.3	97.9	96.1	95.0	95.8	96.5	95.8
85°	54.7	53.9	53.2	52.1	51.0	49.7	48.2	47.0	46.6	46.3	46.6
87.5°	18.0	18.9	20.2	20.9	21.2	20.5	19.3	18.7	18.8	18.5	18.8
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°	1194.1	1194.1	1194.1	1194.1	1194.1	1194.1	1194.1	1194.1	1194.1	1194.1	1194.1
2.5°	1192.3	1191.2	1190.0	1192.0	1197.0	1199.4	1193.8	1188.1	1193.8	1199.4	1197.0
5°	1188.3	1186.8	1186.1	1188.7	1194.7	1197.3	1189.8	1182.4	1189.8	1197.3	1194.7
7.5°	1179.8	1178.1	1177.2	1179.6	1185.3	1187.7	1180.2	1172.8	1180.2	1187.7	1185.3
10°	1172.2	1170.3	1168.8	1171.0	1177.0	1179.6	1172.2	1164.7	1172.2	1179.6	1177.0
12.5°	1162.2	1160.7	1159.8	1162.0	1167.4	1169.6	1162.1	1154.6	1162.1	1169.6	1167.4
15°	1144.4	1142.8	1141.7	1143.8	1149.0	1151.1	1143.6	1136.1	1143.6	1151.1	1149.0
17.5°	1122.1	1120.5	1119.2	1121.0	1125.9	1127.8	1120.8	1113.7	1120.8	1127.8	1125.9
20°	1104.0	1103.0	1102.6	1104.9	1109.8	1111.7	1105.0	1098.3	1105.0	1111.7	1109.8
22.5°	1083.3	1083.1	1083.9	1086.6	1091.1	1092.9	1086.1	1079.4	1086.1	1092.9	1091.1
25°	1051.8	1052.0	1053.1	1055.7	1059.9	1061.3	1054.5	1047.8	1054.5	1061.3	1059.9
27.5°	1018.5	1018.6	1019.3	1021.4	1024.9	1026.1	1020.4	1014.8	1020.4	1026.1	1024.9
30°	993.6	993.7	994.4	996.7	1000.4	1001.8	996.2	990.6	996.2	1001.8	1000.4
32.5°	967.4	967.0	967.2	969.4	973.7	975.7	970.4	965.1	970.4	975.7	973.7
35°	927.2	926.4	926.1	927.9	932.0	934.0	929.5	925.0	929.5	934.0	932.0
37.5°	884.2	883.9	884.0	885.9	889.7	891.7	888.3	884.8	888.3	891.7	889.7
40°	854.0	853.8	854.2	856.4	860.6	862.7	859.0	855.2	859.0	862.7	860.6
42.5°	824.2	823.8	823.6	825.2	828.7	830.6	827.8	825.0	827.8	830.6	828.7
45°	776.4	776.2	776.2	777.9	781.2	783.1	780.5	777.9	780.5	783.1	781.2
47.5°	726.5	726.6	727.0	728.5	731.2	732.6	730.6	728.6	730.6	732.6	731.2
50°	691.6	691.8	692.6	694.2	696.9	698.2	695.5	692.9	695.5	698.2	696.9
52.5°	656.6	657.0	658.1	659.9	662.5	663.8	660.9	657.9	660.9	663.8	662.5
55°	603.1	604.1	605.6	607.4	609.7	610.5	607.2	603.8	607.2	610.5	609.7
57.5°	547.7	548.8	550.6	552.5	554.4	555.0	551.7	548.5	551.7	555.0	554.4
60°	510.6	511.6	513.1	514.9	517.2	518.1	515.1	512.1	515.1	518.1	517.2
62.5°	473.0	473.9	475.4	477.4	479.9	481.1	478.1	475.1	478.1	481.1	479.9
65°	416.4	417.4	418.9	420.7	423.0	424.0	421.4	418.8	421.4	424.0	423.0
67.5°	357.4	358.9	361.0	363.2	365.4	366.4	364.2	361.9	364.2	366.4	365.4
70°	319.6	321.0	322.8	324.7	326.6	327.4	325.2	322.9	325.2	327.4	326.6
72.5°	281.2	282.4	284.0	285.8	288.0	289.1	287.2	285.2	287.2	289.1	288.0
75°	223.6	225.1	227.0	228.5	229.6	230.1	229.0	227.9	229.0	230.1	229.6
77.5°	166.1	167.2	168.7	170.1	171.5	172.6	172.6	172.6	172.6	172.6	171.5
80°	131.0	132.0	133.1	134.3	135.4	136.2	136.2	136.2	136.2	136.2	135.4
82.5°	95.0	96.1	97.9	99.3	100.4	101.4	102.0	102.6	102.0	101.4	100.4
85°	47.0	48.2	49.7	51.0	52.1	53.2	53.9	54.7	53.9	53.2	52.1
87.5°	18.7	19.3	20.5	21.2	20.9	20.2	18.9	18.0	18.9	19.8	21.7
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: P1427777

CATALOG NUMBER: SQ2W-F-K-125U-075D-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



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**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1194.1	1194.1	1194.1	1194.1	1194.1	1194.1	1194.1	1194.1	1194.1	1194.1	1194.1
2.5°	1192.0	1190.0	1191.2	1192.3	1192.9	1193.5	1192.9	1192.3	1191.2	1190.0	1192.0
5°	1188.7	1186.1	1186.8	1188.3	1192.1	1195.8	1192.1	1188.3	1186.8	1186.1	1188.7
7.5°	1179.6	1177.2	1178.1	1179.8	1183.7	1187.6	1183.7	1179.8	1178.1	1177.2	1179.6
10°	1171.0	1168.8	1170.3	1172.2	1175.2	1178.1	1175.2	1172.2	1170.3	1168.8	1171.0
12.5°	1162.0	1159.8	1160.7	1162.2	1165.4	1168.7	1165.4	1162.2	1160.7	1159.8	1162.0
15°	1143.8	1141.7	1142.8	1144.4	1147.4	1150.4	1147.4	1144.4	1142.8	1141.7	1143.8
17.5°	1121.0	1119.2	1120.5	1122.1	1124.7	1127.4	1124.7	1122.1	1120.5	1119.2	1121.0
20°	1104.9	1102.6	1103.0	1104.0	1106.6	1109.2	1106.6	1104.0	1103.0	1102.6	1104.9
22.5°	1086.6	1083.9	1083.1	1083.3	1086.5	1089.7	1086.5	1083.3	1083.1	1083.9	1086.6
25°	1055.7	1053.1	1052.0	1051.8	1054.4	1057.1	1054.4	1051.8	1052.0	1053.1	1055.7
27.5°	1021.4	1019.3	1018.6	1018.5	1020.4	1022.2	1020.4	1018.5	1018.6	1019.3	1021.4
30°	996.7	994.4	993.7	993.6	995.5	997.3	995.5	993.6	993.7	994.4	996.7
32.5°	969.4	967.2	967.0	967.4	969.6	971.8	969.6	967.4	967.0	967.2	969.4
35°	927.9	926.1	926.4	927.2	929.0	930.9	929.0	927.2	926.4	926.1	927.9
37.5°	885.9	884.0	883.9	884.2	885.8	887.4	885.8	884.2	883.9	884.0	885.9
40°	856.4	854.2	853.8	854.0	855.9	857.8	855.9	854.0	853.8	854.2	856.4
42.5°	825.2	823.6	823.8	824.2	825.2	826.1	825.2	824.2	823.8	823.6	825.2
45°	777.9	776.2	776.2	776.4	777.1	777.9	777.1	776.4	776.2	776.2	777.9
47.5°	728.5	727.0	726.6	726.5	727.7	728.9	727.7	726.5	726.6	727.0	728.5
50°	694.2	692.6	691.8	691.6	693.1	694.6	693.1	691.6	691.8	692.6	694.2
52.5°	659.9	658.1	657.0	656.6	657.8	659.0	657.8	656.6	657.0	658.1	659.9
55°	607.4	605.6	604.1	603.1	603.9	604.6	603.9	603.1	604.1	605.6	607.4
57.5°	552.5	550.6	548.8	547.7	548.8	549.8	548.8	547.7	548.8	550.6	552.5
60°	514.9	513.1	511.6	510.6	511.4	512.1	511.4	510.6	511.6	513.1	514.9
62.5°	477.4	475.4	473.9	473.0	473.7	474.5	473.7	473.0	473.9	475.4	477.4
65°	420.7	418.9	417.4	416.4	416.7	417.1	416.7	416.4	417.4	418.9	420.7
67.5°	363.2	361.0	358.9	357.4	358.0	358.6	358.0	357.4	358.9	361.0	363.2
70°	324.7	322.8	321.0	319.6	319.6	319.6	319.6	319.6	321.0	322.8	324.7
72.5°	285.8	284.0	282.4	281.2	281.2	281.2	281.2	281.2	282.4	284.0	285.8
75°	228.5	227.0	225.1	223.6	223.2	222.8	223.2	223.6	225.1	227.0	228.5
77.5°	170.1	168.7	167.2	166.1	165.6	165.2	165.6	166.1	167.2	168.7	170.1
80°	134.3	133.1	132.0	131.0	130.3	129.5	130.3	131.0	132.0	133.1	134.3
82.5°	99.3	97.9	96.1	95.0	95.8	96.5	95.8	95.0	96.1	97.9	99.3
85°	51.0	49.7	48.2	47.0	46.6	46.3	46.6	47.0	48.2	49.7	51.0
87.5°	22.7	24.4	25.8	26.4	27.6	26.6	27.6	26.4	25.8	24.4	22.7
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



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CATALOG NUMBER: SQ2W-F-K-125U-075D-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

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CATALOG NUMBER: SQ2W-F-K-125U-075D-L830-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	1194.1	1194.1	1194.1	1194.1
2.5°	1197.0	1199.4	1193.8	1188.1
5°	1194.7	1197.3	1189.8	1182.4
7.5°	1185.3	1187.7	1180.2	1172.8
10°	1177.0	1179.6	1172.2	1164.7
12.5°	1167.4	1169.6	1162.1	1154.6
15°	1149.0	1151.1	1143.6	1136.1
17.5°	1125.9	1127.8	1120.8	1113.7
20°	1109.8	1111.7	1105.0	1098.3
22.5°	1091.1	1092.9	1086.1	1079.4
25°	1059.9	1061.3	1054.5	1047.8
27.5°	1024.9	1026.1	1020.4	1014.8
30°	1000.4	1001.8	996.2	990.6
32.5°	973.7	975.7	970.4	965.1
35°	932.0	934.0	929.5	925.0
37.5°	889.7	891.7	888.3	884.8
40°	860.6	862.7	859.0	855.2
42.5°	828.7	830.6	827.8	825.0
45°	781.2	783.1	780.5	777.9
47.5°	731.2	732.6	730.6	728.6
50°	696.9	698.2	695.5	692.9
52.5°	662.5	663.8	660.9	657.9
55°	609.7	610.5	607.2	603.8
57.5°	554.4	555.0	551.7	548.5
60°	517.2	518.1	515.1	512.1
62.5°	479.9	481.1	478.1	475.1
65°	423.0	424.0	421.4	418.8
67.5°	365.4	366.4	364.2	361.9
70°	326.6	327.4	325.2	322.9
72.5°	288.0	289.1	287.2	285.2
75°	229.6	230.1	229.0	227.9
77.5°	171.5	172.6	172.6	172.6
80°	135.4	136.2	136.2	136.2
82.5°	100.4	101.4	102.0	102.6
85°	52.1	53.2	53.9	54.7
87.5°	21.7	19.8	18.9	18.0
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: P1427777

CATALOG NUMBER: SQ2W-F-K-125U-075D-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: P1427777

CATALOG NUMBER: SQ2W-F-K-125U-075D-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	16.90	17.67	17.95	18.73	20.16	16.81	17.58	17.87	18.64	20.08
	3H	18.68	19.37	19.74	20.44	21.89	18.58	19.27	19.64	20.34	21.79
	4H	19.37	20.03	20.45	21.10	22.56	19.26	19.91	20.33	20.98	22.44
	6H	19.81	20.41	20.89	21.48	22.95	19.67	20.27	20.75	21.34	22.81
	8H	19.96	20.54	21.05	21.63	23.09	19.81	20.38	20.90	21.47	22.94
	12H	20.04	20.59	21.14	21.67	23.16	19.87	20.41	20.96	21.50	22.99
4H	2H	17.47	18.12	18.55	19.19	20.65	17.40	18.06	18.48	19.13	20.59
	3H	19.48	20.03	20.57	21.12	22.60	19.39	19.94	20.48	21.03	22.50
	4H	20.29	20.79	21.38	21.88	23.37	20.18	20.68	21.27	21.77	23.26
	6H	20.84	21.27	21.94	22.38	23.87	20.70	21.13	21.80	22.24	23.73
	8H	21.05	21.45	22.15	22.56	24.06	20.89	21.29	21.99	22.40	23.90
	12H	21.16	21.52	22.28	22.64	24.15	20.97	21.34	22.09	22.45	23.96
8H	4H	20.53	20.93	21.63	22.03	23.54	20.43	20.83	21.53	21.94	23.44
	6H	21.21	21.55	22.34	22.69	24.19	21.08	21.42	22.21	22.56	24.06
	8H	21.52	21.81	22.65	22.93	24.45	21.36	21.65	22.49	22.78	24.30
	12H	21.70	21.95	22.83	23.07	24.63	21.50	21.76	22.64	22.88	24.44
12H	4H	20.52	20.88	21.64	22.00	23.51	20.42	20.79	21.54	21.90	23.41
	6H	21.26	21.55	22.39	22.68	24.20	21.14	21.43	22.27	22.55	24.07
	8H	21.59	21.85	22.73	22.97	24.53	21.44	21.70	22.58	22.82	24.38