

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: P1427782

Luminaire Tested: SQ2W-F-K-125U-075D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1427782  
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-L940-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: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

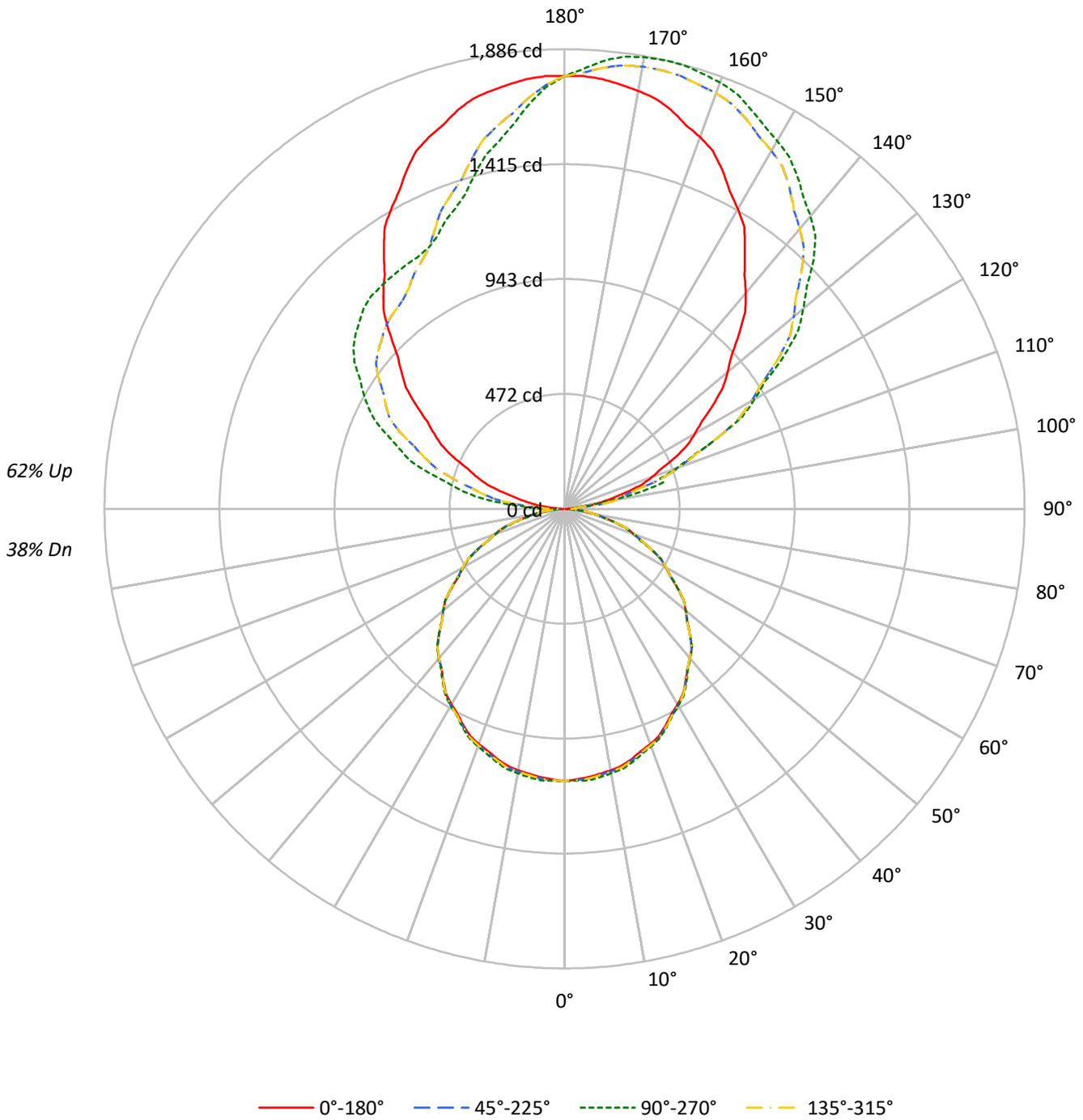
Lumens per Lamp: N/A  
Luminaire Lumens: 8336.6 lumens  
Efficiency: N/A  
Efficacy: 117.9 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

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°	18038	18038	18038	18038
5°	17927	18131	17927	18131
10°	17864	18070	17864	18070
15°	17766	17989	17766	17989
20°	17654	17829	17654	17829
25°	17464	17617	17464	17617
30°	17279	17396	17279	17396
35°	17057	17166	17057	17166
40°	16863	16914	16863	16914
45°	16616	16616	16616	16616
50°	16284	16322	16284	16322
55°	15901	15924	15901	15924
60°	15471	15471	15471	15471
65°	14968	14907	14968	14907
70°	14261	14115	14261	14115
75°	13300	13007	13300	13007
80°	11855	11269	11855	11269
85°	9466	8021	9466	8021

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 16728 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	105.7	1.3
10°-20°	302.0	3.6
20°-30°	454.6	5.5
30°-40°	543.7	6.5
40°-50°	561.4	6.7
50°-60°	506.4	6.1
60°-70°	387.9	4.7
70°-80°	224.2	2.7
80°-90°	65.6	0.8
90°-100°	141.3	1.7
100°-110°	412.2	4.9
110°-120°	672.6	8.1
120°-130°	853.5	10.2
130°-140°	913.3	11.0
140°-150°	852.8	10.2
150°-160°	701.7	8.4
160°-170°	470.6	5.6
170°-180°	167.1	2.0
0°-30°	862.4	10.3
0°-40°	1406.0	16.9
0°-60°	2473.8	29.7
0°-90°	3151.5	37.8
90°-120°	1226.1	14.7
90°-150°	3845.7	46.1
90°-180°	5185.0	62.2
0°-180°	8336.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1117	1117	1117	1117	1117	
5°	1106	1119	1106	1119	1106	105
15°	1063	1076	1063	1076	1063	300
25°	980	989	980	989	980	452
35°	865	871	865	871	865	542
45°	728	728	728	728	728	561
55°	565	566	565	566	565	505
65°	392	390	392	390	392	387
75°	213	208	213	208	213	226
85°	51	43	51	43	51	60
90°	5	40	5	77	5	6
95°	56	41	56	242	56	67
105°	262	420	262	578	262	279
115°	502	696	502	857	502	495
125°	743	1103	743	1051	743	664
135°	1010	1444	1010	1164	1010	780
145°	1290	1665	1290	1189	1290	807
155°	1532	1808	1532	1234	1532	704
165°	1693	1885	1693	1421	1693	477
175°	1770	1846	1770	1666	1770	168
180°	1776	1776	1776	1776	1776	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1117.2	1117.2	1117.2	1117.2	1117.2	1117.2	1117.2	1117.2	1117.2	1117.2	1117.2
2.5°	1111.5	1116.8	1122.1	1119.9	1115.1	1113.3	1114.4	1115.4	1116.0	1116.5	1116.0
5°	1106.1	1113.1	1120.1	1117.7	1112.1	1109.6	1110.3	1111.7	1115.2	1118.7	1115.2
7.5°	1097.2	1104.2	1111.2	1108.9	1103.6	1101.4	1102.2	1103.7	1107.4	1111.0	1107.4
10°	1089.6	1096.6	1103.6	1101.2	1095.6	1093.5	1094.9	1096.6	1099.4	1102.2	1099.4
12.5°	1080.2	1087.2	1094.2	1092.1	1087.1	1085.0	1085.8	1087.2	1090.3	1093.4	1090.3
15°	1062.9	1069.9	1076.9	1074.9	1070.0	1068.1	1069.2	1070.7	1073.4	1076.2	1073.4
17.5°	1041.9	1048.5	1055.1	1053.3	1048.8	1047.1	1048.3	1049.8	1052.2	1054.7	1052.2
20°	1027.5	1033.8	1040.1	1038.2	1033.7	1031.6	1031.9	1032.8	1035.2	1037.7	1035.2
22.5°	1009.8	1016.1	1022.4	1020.8	1016.5	1014.0	1013.3	1013.4	1016.4	1019.4	1016.4
25°	980.3	986.6	992.9	991.5	987.7	985.2	984.2	984.0	986.5	988.9	986.5
27.5°	949.4	954.7	959.9	958.8	955.6	953.6	952.9	952.9	954.6	956.3	954.6
30°	926.8	932.0	937.3	935.9	932.4	930.4	929.7	929.6	931.3	933.1	931.3
32.5°	902.9	907.8	912.8	911.0	906.9	904.8	904.7	905.1	907.1	909.1	907.1
35°	865.4	869.6	873.8	872.0	868.1	866.4	866.7	867.4	869.2	870.9	869.2
37.5°	827.8	831.0	834.2	832.4	828.8	827.0	826.9	827.2	828.7	830.2	828.7
40°	800.1	803.6	807.1	805.1	801.2	799.1	798.8	799.0	800.7	802.5	800.7
42.5°	771.8	774.4	777.1	775.3	772.0	770.5	770.7	771.1	772.0	772.9	772.0
45°	727.7	730.2	732.6	730.9	727.7	726.2	726.2	726.3	727.0	727.7	727.0
47.5°	681.6	683.5	685.4	684.0	681.6	680.2	679.7	679.7	680.8	681.9	680.8
50°	648.3	650.7	653.2	651.9	649.5	647.9	647.2	647.0	648.4	649.8	648.4
52.5°	615.5	618.3	621.0	619.8	617.4	615.7	614.7	614.2	615.4	616.5	615.4
55°	564.9	568.0	571.2	570.4	568.3	566.5	565.1	564.3	565.0	565.7	565.0
57.5°	513.1	516.2	519.3	518.7	516.8	515.1	513.4	512.4	513.4	514.4	513.4
60°	479.1	481.9	484.7	483.8	481.7	480.0	478.6	477.7	478.4	479.1	478.4
62.5°	444.5	447.3	450.1	449.0	446.6	444.7	443.3	442.5	443.2	443.9	443.2
65°	391.8	394.2	396.7	395.7	393.6	391.9	390.5	389.5	389.9	390.2	389.9
67.5°	338.6	340.7	342.8	341.8	339.8	337.8	335.7	334.3	334.9	335.5	334.9
70°	302.1	304.2	306.3	305.5	303.8	302.0	300.3	299.0	299.0	299.0	299.0
72.5°	266.9	268.7	270.5	269.4	267.4	265.7	264.2	263.1	263.1	263.1	263.1
75°	213.2	214.3	215.3	214.8	213.7	212.3	210.6	209.2	208.8	208.5	208.8
77.5°	161.4	161.4	161.4	160.4	159.1	157.8	156.5	155.4	154.9	154.5	154.9
80°	127.5	127.5	127.5	126.7	125.6	124.6	123.5	122.6	121.9	121.2	121.9
82.5°	96.0	95.4	94.9	93.9	92.9	91.6	89.9	88.9	89.6	90.3	89.6
85°	51.1	50.4	49.7	48.8	47.7	46.5	45.1	44.0	43.6	43.3	43.6
87.5°	16.8	17.7	18.9	19.6	19.8	19.2	18.1	17.5	17.6	17.3	17.6
90°	5.4	12.6	21.5	28.7	34.1	35.9	35.9	37.7	39.5	39.5	39.5
92.5°	19.7	31.2	31.6	31.6	38.4	41.6	44.5	44.8	46.6	46.6	46.6
95°	55.6	61.0	91.5	89.7	61.0	48.4	41.3	41.3	41.3	41.3	41.3
97.5°	106.2	114.1	119.1	159.6	168.6	162.9	132.7	111.6	99.7	94.4	99.7
100°	150.7	154.3	165.0	166.8	211.7	254.7	233.2	206.3	197.3	191.9	197.3
102.5°	195.2	197.3	213.8	221.4	231.8	256.2	330.8	322.5	316.4	315.3	316.4
105°	261.9	263.7	294.2	308.5	315.7	315.7	313.9	349.8	407.2	419.7	407.2
107.5°	333.3	341.5	377.4	415.8	424.0	426.2	416.9	411.5	409.3	410.8	409.3
110°	382.1	394.6	437.7	486.1	498.7	502.3	498.7	493.3	489.7	489.7	489.7



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	429.4	447.7	496.5	552.1	573.3	584.1	576.2	572.2	568.6	571.5	568.6
115°	502.3	529.2	593.7	651.1	694.2	699.6	697.8	697.8	696.0	696.0	696.0
117.5°	569.7	612.8	685.2	752.0	801.8	816.2	823.3	821.2	819.0	822.6	819.0
120°	617.1	667.3	749.8	825.1	873.6	895.1	902.3	898.7	902.3	898.7	902.3
122.5°	667.3	729.0	810.1	888.3	945.3	969.7	978.3	979.0	979.8	977.6	979.8
125°	742.6	818.0	913.0	993.8	1052.9	1081.6	1088.8	1090.6	1094.2	1103.2	1094.2
127.5°	818.7	904.1	1008.5	1086.3	1146.9	1181.7	1192.9	1196.8	1204.3	1208.3	1204.3
130°	871.8	968.6	1074.5	1148.0	1207.2	1244.9	1264.6	1270.0	1279.0	1277.2	1279.0
132.5°	927.7	1028.9	1136.2	1212.6	1267.5	1308.0	1324.9	1340.3	1343.5	1346.1	1343.5
135°	1009.9	1119.3	1226.9	1302.3	1354.3	1393.8	1415.3	1429.6	1438.6	1444.0	1438.6
137.5°	1096.4	1211.9	1315.2	1382.3	1434.7	1468.7	1493.1	1508.2	1517.5	1521.8	1517.5
140°	1155.2	1266.4	1366.9	1436.8	1483.5	1517.5	1539.1	1557.0	1567.8	1567.8	1567.8
142.5°	1211.2	1320.9	1418.5	1488.5	1529.4	1560.6	1583.5	1597.2	1609.4	1609.4	1609.4
145°	1289.7	1399.1	1488.8	1558.8	1592.9	1621.6	1646.7	1657.5	1664.6	1664.6	1664.6
147.5°	1371.9	1468.7	1550.5	1617.6	1646.3	1680.1	1699.8	1708.4	1717.4	1713.4	1717.4
150°	1420.7	1510.4	1589.3	1652.1	1680.8	1713.1	1732.8	1740.0	1748.9	1743.6	1748.9
152.5°	1468.0	1553.4	1625.2	1683.6	1708.0	1740.3	1762.9	1770.1	1776.2	1772.3	1776.2
155°	1531.9	1607.2	1673.6	1727.4	1748.9	1779.4	1801.0	1809.9	1817.1	1808.1	1817.1
157.5°	1588.9	1653.9	1711.6	1761.1	1784.1	1810.3	1830.4	1841.5	1848.7	1844.7	1848.7
160°	1623.4	1682.6	1734.6	1781.2	1802.7	1826.1	1847.6	1860.1	1867.3	1861.9	1867.3
162.5°	1652.1	1705.5	1754.7	1797.0	1815.7	1836.1	1861.9	1873.1	1880.2	1873.4	1880.2
165°	1693.3	1736.4	1779.4	1815.3	1831.4	1847.6	1874.5	1887.1	1892.4	1885.3	1892.4
167.5°	1724.5	1757.5	1792.3	1823.2	1835.0	1850.8	1877.7	1888.1	1894.9	1886.0	1894.9
170°	1741.8	1770.5	1801.0	1826.1	1835.0	1849.4	1876.3	1885.3	1890.6	1881.7	1890.6
172.5°	1756.1	1777.6	1802.4	1824.6	1829.3	1840.8	1866.2	1875.2	1879.2	1871.6	1879.2
175°	1770.5	1783.0	1801.0	1815.3	1813.5	1820.7	1842.2	1849.4	1856.6	1845.8	1856.6
177.5°	1777.3	1783.0	1788.8	1797.4	1791.6	1791.6	1807.4	1811.7	1813.2	1807.4	1813.2
180°	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1117.2	1117.2	1117.2	1117.2	1117.2	1117.2	1117.2	1117.2	1117.2	1117.2	1117.2
2.5°	1115.4	1114.4	1113.3	1115.1	1119.9	1122.1	1116.8	1111.5	1116.8	1122.1	1119.9
5°	1111.7	1110.3	1109.6	1112.1	1117.7	1120.1	1113.1	1106.1	1113.1	1120.1	1117.7
7.5°	1103.7	1102.2	1101.4	1103.6	1108.9	1111.2	1104.2	1097.2	1104.2	1111.2	1108.9
10°	1096.6	1094.9	1093.5	1095.6	1101.2	1103.6	1096.6	1089.6	1096.6	1103.6	1101.2
12.5°	1087.2	1085.8	1085.0	1087.1	1092.1	1094.2	1087.2	1080.2	1087.2	1094.2	1092.1
15°	1070.7	1069.2	1068.1	1070.0	1074.9	1076.9	1069.9	1062.9	1069.9	1076.9	1074.9
17.5°	1049.8	1048.3	1047.1	1048.8	1053.3	1055.1	1048.5	1041.9	1048.5	1055.1	1053.3
20°	1032.8	1031.9	1031.6	1033.7	1038.2	1040.1	1033.8	1027.5	1033.8	1040.1	1038.2
22.5°	1013.4	1013.3	1014.0	1016.5	1020.8	1022.4	1016.1	1009.8	1016.1	1022.4	1020.8
25°	984.0	984.2	985.2	987.7	991.5	992.9	986.6	980.3	986.6	992.9	991.5
27.5°	952.9	952.9	953.6	955.6	958.8	959.9	954.7	949.4	954.7	959.9	958.8
30°	929.6	929.7	930.4	932.4	935.9	937.3	932.0	926.8	932.0	937.3	935.9
32.5°	905.1	904.7	904.8	906.9	911.0	912.8	907.8	902.9	907.8	912.8	911.0
35°	867.4	866.7	866.4	868.1	872.0	873.8	869.6	865.4	869.6	873.8	872.0
37.5°	827.2	826.9	827.0	828.8	832.4	834.2	831.0	827.8	831.0	834.2	832.4
40°	799.0	798.8	799.1	801.2	805.1	807.1	803.6	800.1	803.6	807.1	805.1
42.5°	771.1	770.7	770.5	772.0	775.3	777.1	774.4	771.8	774.4	777.1	775.3
45°	726.3	726.2	726.2	727.7	730.9	732.6	730.2	727.7	730.2	732.6	730.9
47.5°	679.7	679.7	680.2	681.6	684.0	685.4	683.5	681.6	683.5	685.4	684.0
50°	647.0	647.2	647.9	649.5	651.9	653.2	650.7	648.3	650.7	653.2	651.9
52.5°	614.2	614.7	615.7	617.4	619.8	621.0	618.3	615.5	618.3	621.0	619.8
55°	564.3	565.1	566.5	568.3	570.4	571.2	568.0	564.9	568.0	571.2	570.4
57.5°	512.4	513.4	515.1	516.8	518.7	519.3	516.2	513.1	516.2	519.3	518.7
60°	477.7	478.6	480.0	481.7	483.8	484.7	481.9	479.1	481.9	484.7	483.8
62.5°	442.5	443.3	444.7	446.6	449.0	450.1	447.3	444.5	447.3	450.1	449.0
65°	389.5	390.5	391.9	393.6	395.7	396.7	394.2	391.8	394.2	396.7	395.7
67.5°	334.3	335.7	337.8	339.8	341.8	342.8	340.7	338.6	340.7	342.8	341.8
70°	299.0	300.3	302.0	303.8	305.5	306.3	304.2	302.1	304.2	306.3	305.5
72.5°	263.1	264.2	265.7	267.4	269.4	270.5	268.7	266.9	268.7	270.5	269.4
75°	209.2	210.6	212.3	213.7	214.8	215.3	214.3	213.2	214.3	215.3	214.8
77.5°	155.4	156.5	157.8	159.1	160.4	161.4	161.4	161.4	161.4	161.4	160.4
80°	122.6	123.5	124.6	125.6	126.7	127.5	127.5	127.5	127.5	127.5	126.7
82.5°	88.9	89.9	91.6	92.9	93.9	94.9	95.4	96.0	95.4	94.9	93.9
85°	44.0	45.1	46.5	47.7	48.8	49.7	50.4	51.1	50.4	49.7	48.8
87.5°	17.5	18.1	19.2	19.8	19.6	18.9	17.7	16.8	17.7	18.6	20.3
90°	37.7	35.9	35.9	34.1	28.7	21.5	12.6	5.4	12.6	19.7	32.3
92.5°	44.8	44.5	41.6	38.4	31.6	31.6	31.2	19.7	34.1	48.4	69.6
95°	41.3	41.3	48.4	61.0	89.7	91.5	61.0	55.6	78.9	111.2	139.9
97.5°	111.6	132.7	162.9	168.6	159.6	119.1	114.1	106.2	144.6	176.5	222.8
100°	206.3	233.2	254.7	211.7	166.8	165.0	154.3	150.7	191.9	222.4	267.3
102.5°	322.5	330.8	256.2	231.8	221.4	213.8	197.3	195.2	236.4	278.4	316.1
105°	349.8	313.9	315.7	315.7	308.5	294.2	263.7	261.9	308.5	357.0	403.6
107.5°	411.5	416.9	426.2	424.0	415.8	377.4	341.5	333.3	375.3	433.4	484.7
110°	493.3	498.7	502.3	498.7	486.1	437.7	394.6	382.1	419.7	480.7	536.3



TEST NUMBER: P1427782

CATALOG NUMBER: SQ2W-F-K-125U-075D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	572.2	576.2	584.1	573.3	552.1	496.5	447.7	429.4	467.1	529.5	586.6
115°	697.8	697.8	699.6	694.2	651.1	593.7	529.2	502.3	534.5	591.9	654.7
117.5°	821.2	823.3	816.2	801.8	752.0	685.2	612.8	569.7	595.2	655.8	720.4
120°	898.7	902.3	895.1	873.6	825.1	749.8	667.3	617.1	636.8	696.0	760.6
122.5°	979.0	978.3	969.7	945.3	888.3	810.1	729.0	667.3	675.5	730.4	793.6
125°	1090.6	1088.8	1081.6	1052.9	993.8	913.0	818.0	742.6	731.9	778.5	843.1
127.5°	1196.8	1192.9	1181.7	1146.9	1086.3	1008.5	904.1	818.7	794.6	824.1	883.3
130°	1270.0	1264.6	1244.9	1207.2	1148.0	1074.5	968.6	871.8	837.7	855.6	907.7
132.5°	1340.3	1324.9	1308.0	1267.5	1212.6	1136.2	1028.9	927.7	880.7	888.6	929.2
135°	1429.6	1415.3	1393.8	1354.3	1302.3	1226.9	1119.3	1009.9	945.3	938.1	961.5
137.5°	1508.2	1493.1	1468.7	1434.7	1382.3	1315.2	1211.9	1096.4	1014.9	990.9	999.9
140°	1557.0	1539.1	1517.5	1483.5	1436.8	1366.9	1266.4	1155.2	1063.7	1029.6	1024.2
142.5°	1597.2	1583.5	1560.6	1529.4	1488.5	1418.5	1320.9	1211.2	1113.9	1069.8	1057.3
145°	1657.5	1646.7	1621.6	1592.9	1558.8	1488.8	1399.1	1289.7	1192.9	1135.5	1108.6
147.5°	1708.4	1699.8	1680.1	1646.3	1617.6	1550.5	1468.7	1371.9	1272.5	1201.5	1166.7
150°	1740.0	1732.8	1713.1	1680.8	1652.1	1589.3	1510.4	1420.7	1325.6	1250.3	1205.4
152.5°	1770.1	1762.9	1740.3	1708.0	1683.6	1625.2	1553.4	1468.0	1371.5	1296.2	1249.9
155°	1809.9	1801.0	1779.4	1748.9	1727.4	1673.6	1607.2	1531.9	1449.4	1370.4	1318.4
157.5°	1841.5	1830.4	1810.3	1784.1	1761.1	1711.6	1653.9	1588.9	1516.8	1441.5	1388.4
160°	1860.1	1847.6	1826.1	1802.7	1781.2	1734.6	1682.6	1623.4	1557.0	1488.8	1431.4
162.5°	1873.1	1861.9	1836.1	1815.7	1797.0	1754.7	1705.5	1652.1	1592.9	1533.3	1480.2
165°	1887.1	1874.5	1847.6	1831.4	1815.3	1779.4	1736.4	1693.3	1643.1	1594.7	1551.6
167.5°	1888.1	1877.7	1850.8	1835.0	1823.2	1792.3	1757.5	1724.5	1685.4	1647.4	1611.5
170°	1885.3	1876.3	1849.4	1835.0	1826.1	1801.0	1770.5	1741.8	1711.3	1679.0	1650.3
172.5°	1875.2	1866.2	1840.8	1829.3	1824.6	1802.4	1777.6	1756.1	1729.9	1706.2	1683.3
175°	1849.4	1842.2	1820.7	1813.5	1815.3	1801.0	1783.0	1770.5	1754.3	1740.0	1727.4
177.5°	1811.7	1807.4	1791.6	1791.6	1797.4	1788.8	1783.0	1777.3	1770.1	1765.8	1761.5
180°	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8



TEST NUMBER: P1427782

CATALOG NUMBER: SQ2W-F-K-125U-075D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1117.2	1117.2	1117.2	1117.2	1117.2	1117.2	1117.2	1117.2	1117.2	1117.2	1117.2
2.5°	1115.1	1113.3	1114.4	1115.4	1116.0	1116.5	1116.0	1115.4	1114.4	1113.3	1115.1
5°	1112.1	1109.6	1110.3	1111.7	1115.2	1118.7	1115.2	1111.7	1110.3	1109.6	1112.1
7.5°	1103.6	1101.4	1102.2	1103.7	1107.4	1111.0	1107.4	1103.7	1102.2	1101.4	1103.6
10°	1095.6	1093.5	1094.9	1096.6	1099.4	1102.2	1099.4	1096.6	1094.9	1093.5	1095.6
12.5°	1087.1	1085.0	1085.8	1087.2	1090.3	1093.4	1090.3	1087.2	1085.8	1085.0	1087.1
15°	1070.0	1068.1	1069.2	1070.7	1073.4	1076.2	1073.4	1070.7	1069.2	1068.1	1070.0
17.5°	1048.8	1047.1	1048.3	1049.8	1052.2	1054.7	1052.2	1049.8	1048.3	1047.1	1048.8
20°	1033.7	1031.6	1031.9	1032.8	1035.2	1037.7	1035.2	1032.8	1031.9	1031.6	1033.7
22.5°	1016.5	1014.0	1013.3	1013.4	1016.4	1019.4	1016.4	1013.4	1013.3	1014.0	1016.5
25°	987.7	985.2	984.2	984.0	986.5	988.9	986.5	984.0	984.2	985.2	987.7
27.5°	955.6	953.6	952.9	952.9	954.6	956.3	954.6	952.9	952.9	953.6	955.6
30°	932.4	930.4	929.7	929.6	931.3	933.1	931.3	929.6	929.7	930.4	932.4
32.5°	906.9	904.8	904.7	905.1	907.1	909.1	907.1	905.1	904.7	904.8	906.9
35°	868.1	866.4	866.7	867.4	869.2	870.9	869.2	867.4	866.7	866.4	868.1
37.5°	828.8	827.0	826.9	827.2	828.7	830.2	828.7	827.2	826.9	827.0	828.8
40°	801.2	799.1	798.8	799.0	800.7	802.5	800.7	799.0	798.8	799.1	801.2
42.5°	772.0	770.5	770.7	771.1	772.0	772.9	772.0	771.1	770.7	770.5	772.0
45°	727.7	726.2	726.2	726.3	727.0	727.7	727.0	726.3	726.2	726.2	727.7
47.5°	681.6	680.2	679.7	679.7	680.8	681.9	680.8	679.7	679.7	680.2	681.6
50°	649.5	647.9	647.2	647.0	648.4	649.8	648.4	647.0	647.2	647.9	649.5
52.5°	617.4	615.7	614.7	614.2	615.4	616.5	615.4	614.2	614.7	615.7	617.4
55°	568.3	566.5	565.1	564.3	565.0	565.7	565.0	564.3	565.1	566.5	568.3
57.5°	516.8	515.1	513.4	512.4	513.4	514.4	513.4	512.4	513.4	515.1	516.8
60°	481.7	480.0	478.6	477.7	478.4	479.1	478.4	477.7	478.6	480.0	481.7
62.5°	446.6	444.7	443.3	442.5	443.2	443.9	443.2	442.5	443.3	444.7	446.6
65°	393.6	391.9	390.5	389.5	389.9	390.2	389.9	389.5	390.5	391.9	393.6
67.5°	339.8	337.8	335.7	334.3	334.9	335.5	334.9	334.3	335.7	337.8	339.8
70°	303.8	302.0	300.3	299.0	299.0	299.0	299.0	299.0	300.3	302.0	303.8
72.5°	267.4	265.7	264.2	263.1	263.1	263.1	263.1	264.2	265.7	267.4	267.4
75°	213.7	212.3	210.6	209.2	208.8	208.5	208.8	209.2	210.6	212.3	213.7
77.5°	159.1	157.8	156.5	155.4	154.9	154.5	154.9	155.4	156.5	157.8	159.1
80°	125.6	124.6	123.5	122.6	121.9	121.2	121.9	122.6	123.5	124.6	125.6
82.5°	92.9	91.6	89.9	88.9	89.6	90.3	89.6	88.9	89.9	91.6	92.9
85°	47.7	46.5	45.1	44.0	43.6	43.3	43.6	44.0	45.1	46.5	47.7
87.5°	21.3	22.8	24.2	24.7	25.9	24.9	25.9	24.7	24.2	22.8	21.3
90°	41.3	53.8	66.4	73.5	80.7	77.1	80.7	73.5	66.4	53.8	41.3
92.5°	82.9	104.0	119.5	132.4	138.1	137.4	138.1	132.4	119.5	104.0	82.9
95°	166.8	191.9	217.0	235.0	245.7	242.2	245.7	235.0	217.0	191.9	166.8
97.5°	257.2	291.0	318.9	335.8	346.6	353.7	346.6	335.8	318.9	291.0	257.2
100°	317.5	349.8	382.1	401.8	419.7	426.9	419.7	401.8	382.1	349.8	317.5
102.5°	366.3	408.6	443.8	464.9	480.0	487.2	480.0	464.9	443.8	408.6	366.3
105°	446.7	491.5	529.2	556.1	572.2	577.6	572.2	556.1	529.2	491.5	446.7
107.5°	527.0	573.3	608.1	637.9	657.6	669.1	657.6	637.9	608.1	573.3	527.0
110°	590.2	627.8	665.5	692.4	712.1	719.3	712.1	692.4	665.5	627.8	590.2



TEST NUMBER: P1427782

CATALOG NUMBER: SQ2W-F-K-125U-075D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	643.2	685.2	722.9	749.8	772.4	782.4	772.4	749.8	722.9	685.2	643.2
115°	717.5	773.1	807.2	832.3	848.5	857.4	848.5	832.3	807.2	773.1	717.5
117.5°	779.2	837.3	874.6	894.0	901.6	908.0	901.6	894.0	874.6	837.3	779.2
120°	818.0	871.8	914.8	939.9	948.9	952.5	948.9	939.9	914.8	871.8	818.0
122.5°	853.8	904.8	946.4	977.3	992.0	995.5	992.0	977.3	946.4	904.8	853.8
125°	904.1	952.5	995.5	1026.0	1042.2	1051.2	1042.2	1026.0	995.5	952.5	904.1
127.5°	947.8	1000.2	1039.7	1067.3	1083.1	1090.3	1083.1	1067.3	1039.7	1000.2	947.8
130°	972.2	1026.0	1065.5	1096.0	1110.3	1117.5	1110.3	1096.0	1065.5	1026.0	972.2
132.5°	990.9	1047.6	1088.5	1116.1	1131.9	1139.0	1131.9	1116.1	1088.5	1047.6	990.9
135°	1013.5	1072.7	1115.7	1142.6	1157.0	1164.2	1157.0	1142.6	1115.7	1072.7	1013.5
137.5°	1033.2	1087.0	1131.9	1160.2	1173.1	1177.8	1173.1	1160.2	1131.9	1087.0	1033.2
140°	1047.6	1094.2	1139.0	1166.0	1180.3	1182.1	1180.3	1166.0	1139.0	1094.2	1047.6
142.5°	1066.2	1102.8	1141.9	1168.8	1183.2	1186.4	1183.2	1168.8	1141.9	1102.8	1066.2
145°	1099.6	1121.1	1148.0	1173.1	1185.7	1189.3	1185.7	1173.1	1148.0	1121.1	1099.6
147.5°	1141.6	1148.4	1162.4	1178.9	1191.1	1193.6	1191.1	1178.9	1162.4	1148.4	1141.6
150°	1173.1	1171.3	1176.7	1187.5	1198.2	1196.5	1198.2	1187.5	1176.7	1171.3	1173.1
152.5°	1209.0	1198.6	1198.2	1203.3	1208.3	1207.9	1208.3	1203.3	1198.2	1198.6	1209.0
155°	1270.0	1250.3	1239.5	1235.9	1235.9	1234.1	1235.9	1235.9	1239.5	1250.3	1270.0
157.5°	1337.1	1309.5	1293.3	1284.7	1282.2	1278.2	1282.2	1284.7	1293.3	1309.5	1337.1
160°	1383.0	1352.5	1336.4	1322.0	1316.6	1311.3	1316.6	1322.0	1336.4	1352.5	1383.0
162.5°	1426.1	1397.0	1379.4	1366.5	1361.1	1352.9	1361.1	1366.5	1379.4	1397.0	1426.1
165°	1496.0	1465.5	1445.8	1435.0	1427.8	1420.7	1427.8	1435.0	1445.8	1465.5	1496.0
167.5°	1566.0	1532.6	1519.7	1507.5	1500.7	1487.8	1500.7	1507.5	1519.7	1532.6	1566.0
170°	1609.0	1578.5	1571.4	1560.6	1548.0	1533.7	1548.0	1560.6	1571.4	1578.5	1609.0
172.5°	1646.3	1625.9	1618.7	1607.9	1604.0	1592.5	1604.0	1607.9	1618.7	1625.9	1646.3
175°	1700.5	1684.4	1684.4	1682.6	1677.2	1666.4	1677.2	1682.6	1684.4	1684.4	1700.5
177.5°	1745.7	1737.1	1742.8	1742.8	1741.4	1731.4	1741.4	1742.8	1742.8	1737.1	1745.7
180°	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8



TEST NUMBER: P1427782

CATALOG NUMBER: SQ2W-F-K-125U-075D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	1117.2	1117.2	1117.2	1117.2
2.5°	1119.9	1122.1	1116.8	1111.5
5°	1117.7	1120.1	1113.1	1106.1
7.5°	1108.9	1111.2	1104.2	1097.2
10°	1101.2	1103.6	1096.6	1089.6
12.5°	1092.1	1094.2	1087.2	1080.2
15°	1074.9	1076.9	1069.9	1062.9
17.5°	1053.3	1055.1	1048.5	1041.9
20°	1038.2	1040.1	1033.8	1027.5
22.5°	1020.8	1022.4	1016.1	1009.8
25°	991.5	992.9	986.6	980.3
27.5°	958.8	959.9	954.7	949.4
30°	935.9	937.3	932.0	926.8
32.5°	911.0	912.8	907.8	902.9
35°	872.0	873.8	869.6	865.4
37.5°	832.4	834.2	831.0	827.8
40°	805.1	807.1	803.6	800.1
42.5°	775.3	777.1	774.4	771.8
45°	730.9	732.6	730.2	727.7
47.5°	684.0	685.4	683.5	681.6
50°	651.9	653.2	650.7	648.3
52.5°	619.8	621.0	618.3	615.5
55°	570.4	571.2	568.0	564.9
57.5°	518.7	519.3	516.2	513.1
60°	483.8	484.7	481.9	479.1
62.5°	449.0	450.1	447.3	444.5
65°	395.7	396.7	394.2	391.8
67.5°	341.8	342.8	340.7	338.6
70°	305.5	306.3	304.2	302.1
72.5°	269.4	270.5	268.7	266.9
75°	214.8	215.3	214.3	213.2
77.5°	160.4	161.4	161.4	161.4
80°	126.7	127.5	127.5	127.5
82.5°	93.9	94.9	95.4	96.0
85°	48.8	49.7	50.4	51.1
87.5°	20.3	18.6	17.7	16.8
90°	32.3	19.7	12.6	5.4
92.5°	69.6	48.4	34.1	19.7
95°	139.9	111.2	78.9	55.6
97.5°	222.8	176.5	144.6	106.2
100°	267.3	222.4	191.9	150.7
102.5°	316.1	278.4	236.4	195.2
105°	403.6	357.0	308.5	261.9
107.5°	484.7	433.4	375.3	333.3
110°	536.3	480.7	419.7	382.1



TEST NUMBER: P1427782

CATALOG NUMBER: SQ2W-F-K-125U-075D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	586.6	529.5	467.1	429.4
115°	654.7	591.9	534.5	502.3
117.5°	720.4	655.8	595.2	569.7
120°	760.6	696.0	636.8	617.1
122.5°	793.6	730.4	675.5	667.3
125°	843.1	778.5	731.9	742.6
127.5°	883.3	824.1	794.6	818.7
130°	907.7	855.6	837.7	871.8
132.5°	929.2	888.6	880.7	927.7
135°	961.5	938.1	945.3	1009.9
137.5°	999.9	990.9	1014.9	1096.4
140°	1024.2	1029.6	1063.7	1155.2
142.5°	1057.3	1069.8	1113.9	1211.2
145°	1108.6	1135.5	1192.9	1289.7
147.5°	1166.7	1201.5	1272.5	1371.9
150°	1205.4	1250.3	1325.6	1420.7
152.5°	1249.9	1296.2	1371.5	1468.0
155°	1318.4	1370.4	1449.4	1531.9
157.5°	1388.4	1441.5	1516.8	1588.9
160°	1431.4	1488.8	1557.0	1623.4
162.5°	1480.2	1533.3	1592.9	1652.1
165°	1551.6	1594.7	1643.1	1693.3
167.5°	1611.5	1647.4	1685.4	1724.5
170°	1650.3	1679.0	1711.3	1741.8
172.5°	1683.3	1706.2	1729.9	1756.1
175°	1727.4	1740.0	1754.3	1770.5
177.5°	1761.5	1765.8	1770.1	1777.3
180°	1775.8	1775.8	1775.8	1775.8



TEST NUMBER: P1427782  
 CATALOG NUMBER: SQ2W-F-K-125U-075D-L940-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	16.67	17.44	17.72	18.50	19.93	16.58	17.35	17.64	18.41	19.85
	3H	18.45	19.14	19.51	20.21	21.66	18.35	19.04	19.41	20.11	21.56
	4H	19.14	19.80	20.22	20.87	22.33	19.03	19.68	20.10	20.75	22.21
	6H	19.57	20.18	20.66	21.25	22.72	19.43	20.04	20.52	21.11	22.58
	8H	19.73	20.31	20.82	21.40	22.86	19.58	20.15	20.66	21.24	22.71
	12H	19.81	20.36	20.91	21.44	22.93	19.64	20.18	20.73	21.26	22.75
4H	2H	17.24	17.89	18.32	18.96	20.42	17.17	17.83	18.25	18.89	20.35
	3H	19.25	19.80	20.34	20.89	22.37	19.16	19.70	20.24	20.80	22.27
	4H	20.06	20.56	21.15	21.65	23.14	19.95	20.45	21.04	21.54	23.03
	6H	20.61	21.04	21.71	22.15	23.64	20.47	20.90	21.57	22.01	23.49
	8H	20.82	21.22	21.92	22.32	23.83	20.66	21.06	21.76	22.16	23.67
	12H	20.93	21.29	22.05	22.41	23.92	20.74	21.11	21.86	22.22	23.73
8H	4H	20.30	20.70	21.40	21.80	23.30	20.20	20.60	21.30	21.70	23.21
	6H	20.98	21.31	22.11	22.46	23.96	20.85	21.18	21.97	22.33	23.83
	8H	21.29	21.58	22.42	22.70	24.22	21.13	21.42	22.26	22.55	24.07
	12H	21.46	21.72	22.60	22.84	24.40	21.27	21.53	22.41	22.65	24.21
12H	4H	20.29	20.65	21.41	21.77	23.27	20.19	20.56	21.31	21.67	23.18
	6H	21.03	21.32	22.16	22.45	23.97	20.91	21.20	22.04	22.32	23.84
	8H	21.36	21.62	22.49	22.74	24.29	21.21	21.47	22.34	22.59	24.14