

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: P1427779

Luminaire Tested: SQ2W-F-K-125U-075D-L840-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1427779  
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-L840-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, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

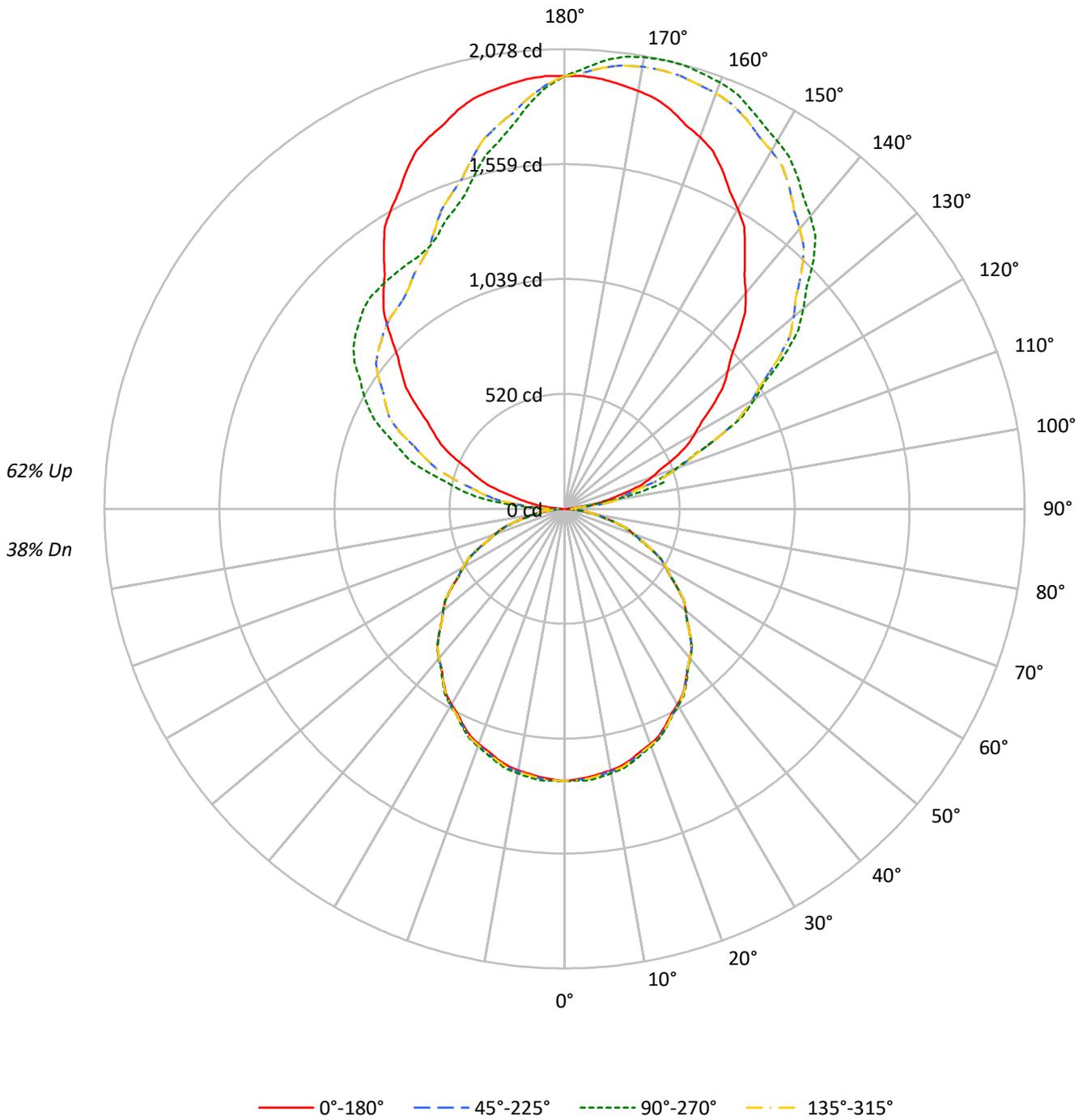
Lumens per Lamp: N/A  
Luminaire Lumens: 9184.9 lumens  
Efficiency: N/A  
Efficacy: 129.9 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

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°	19872	19872	19872	19872
5°	19752	19977	19752	19977
10°	19682	19910	19682	19910
15°	19573	19821	19573	19821
20°	19450	19644	19450	19644
25°	19240	19409	19240	19409
30°	19037	19165	19037	19165
35°	18794	18912	18794	18912
40°	18579	18634	18579	18634
45°	18308	18308	18308	18308
50°	17939	17984	17939	17984
55°	17520	17542	17520	17542
60°	17046	17046	17046	17046
65°	16493	16424	16493	16424
70°	15710	15550	15710	15550
75°	14653	14329	14653	14329
80°	13054	12413	13054	12413
85°	10430	8836	10430	8836

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 18431 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	116.5	1.3
10°-20°	332.8	3.6
20°-30°	500.9	5.5
30°-40°	599.0	6.5
40°-50°	618.5	6.7
50°-60°	557.9	6.1
60°-70°	427.4	4.7
70°-80°	247.0	2.7
80°-90°	72.2	0.8
90°-100°	155.7	1.7
100°-110°	454.1	4.9
110°-120°	741.1	8.1
120°-130°	940.4	10.2
130°-140°	1006.2	11.0
140°-150°	939.6	10.2
150°-160°	773.1	8.4
160°-170°	518.5	5.6
170°-180°	184.1	2.0
0°-30°	950.1	10.3
0°-40°	1549.1	16.9
0°-60°	2725.5	29.7
0°-90°	3472.1	37.8
90°-120°	1350.9	14.7
90°-150°	4237.0	46.1
90°-180°	5713.0	62.2
0°-180°	9184.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1231	1231	1231	1231	1231	
5°	1219	1233	1219	1233	1219	116
15°	1171	1186	1171	1186	1171	330
25°	1080	1090	1080	1090	1080	498
35°	954	960	954	960	954	597
45°	802	802	802	802	802	618
55°	622	623	622	623	622	556
65°	432	430	432	430	432	427
75°	235	230	235	230	235	249
85°	56	48	56	48	56	66
90°	6	44	6	85	6	7
95°	61	46	61	267	61	74
105°	288	462	288	636	288	307
115°	553	767	553	945	553	545
125°	818	1215	818	1158	818	732
135°	1113	1591	1113	1283	1113	860
145°	1421	1834	1421	1310	1421	889
155°	1688	1992	1688	1360	1688	776
165°	1866	2077	1866	1565	1866	525
175°	1951	2034	1951	1836	1951	185
180°	1956	1956	1956	1956	1956	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1230.8	1230.8	1230.8	1230.8	1230.8	1230.8	1230.8	1230.8	1230.8	1230.8	1230.8
2.5°	1224.6	1230.4	1236.3	1233.8	1228.6	1226.6	1227.8	1228.9	1229.5	1230.1	1229.5
5°	1218.7	1226.4	1234.1	1231.4	1225.2	1222.6	1223.3	1224.9	1228.7	1232.6	1228.7
7.5°	1208.8	1216.5	1224.2	1221.8	1215.9	1213.4	1214.4	1216.1	1220.1	1224.1	1220.1
10°	1200.5	1208.2	1215.9	1213.2	1207.0	1204.7	1206.3	1208.2	1211.3	1214.4	1211.3
12.5°	1190.1	1197.8	1205.5	1203.3	1197.7	1195.4	1196.3	1197.9	1201.3	1204.7	1201.3
15°	1171.0	1178.7	1186.4	1184.3	1178.9	1176.8	1178.0	1179.6	1182.7	1185.8	1182.7
17.5°	1148.0	1155.2	1162.5	1160.5	1155.5	1153.7	1155.0	1156.6	1159.3	1162.0	1159.3
20°	1132.0	1139.0	1145.9	1143.9	1138.9	1136.5	1136.9	1137.9	1140.6	1143.3	1140.6
22.5°	1112.6	1119.5	1126.5	1124.7	1120.0	1117.2	1116.4	1116.6	1119.9	1123.2	1119.9
25°	1080.0	1086.9	1093.9	1092.4	1088.2	1085.5	1084.3	1084.2	1086.9	1089.5	1086.9
27.5°	1046.0	1051.8	1057.6	1056.4	1052.8	1050.7	1049.9	1049.8	1051.7	1053.7	1051.7
30°	1021.1	1026.9	1032.6	1031.2	1027.3	1025.0	1024.3	1024.2	1026.1	1028.0	1026.1
32.5°	994.7	1000.2	1005.7	1003.7	999.2	996.9	996.7	997.2	999.4	1001.7	999.4
35°	953.5	958.1	962.7	960.7	956.4	954.5	954.9	955.7	957.6	959.5	957.6
37.5°	912.0	915.6	919.1	917.1	913.1	911.1	911.0	911.4	913.0	914.6	913.0
40°	881.5	885.4	889.2	887.0	882.8	880.5	880.1	880.3	882.2	884.1	882.2
42.5°	850.3	853.2	856.2	854.2	850.6	848.9	849.1	849.5	850.5	851.5	850.5
45°	801.8	804.5	807.2	805.2	801.8	800.0	800.0	800.2	801.0	801.8	801.0
47.5°	751.0	753.1	755.1	753.6	750.9	749.4	748.9	748.9	750.1	751.3	750.1
50°	714.2	716.9	719.6	718.3	715.6	713.8	713.1	712.9	714.4	716.0	714.4
52.5°	678.2	681.2	684.2	682.9	680.2	678.3	677.2	676.7	678.0	679.2	678.0
55°	622.4	625.8	629.3	628.4	626.1	624.2	622.6	621.7	622.4	623.2	622.4
57.5°	565.3	568.7	572.1	571.4	569.4	567.5	565.7	564.5	565.6	566.7	565.6
60°	527.9	531.0	534.0	533.1	530.8	528.8	527.3	526.3	527.1	527.9	527.1
62.5°	489.7	492.8	495.9	494.7	492.1	490.0	488.5	487.5	488.3	489.0	488.3
65°	431.7	434.4	437.1	436.0	433.7	431.8	430.2	429.2	429.5	429.9	429.5
67.5°	373.1	375.4	377.7	376.6	374.4	372.1	369.9	368.4	369.0	369.6	369.0
70°	332.8	335.2	337.5	336.6	334.7	332.7	330.8	329.4	329.4	329.4	329.4
72.5°	294.0	296.0	298.0	296.8	294.6	292.7	291.1	289.9	289.9	289.9	289.9
75°	234.9	236.1	237.2	236.6	235.5	233.9	232.0	230.5	230.1	229.7	230.1
77.5°	177.9	177.9	177.9	176.8	175.3	173.8	172.4	171.2	170.7	170.2	170.7
80°	140.4	140.4	140.4	139.6	138.4	137.2	136.1	135.0	134.3	133.5	134.3
82.5°	105.7	105.1	104.5	103.5	102.3	100.9	99.1	98.0	98.7	99.5	98.7
85°	56.3	55.6	54.8	53.7	52.6	51.2	49.7	48.4	48.1	47.7	48.1
87.5°	18.5	19.5	20.8	21.6	21.8	21.2	19.9	19.3	19.4	19.1	19.4
90°	5.9	13.8	23.7	31.6	37.5	39.5	39.5	41.5	43.5	43.5	43.5
92.5°	21.7	34.4	34.8	34.8	42.3	45.9	49.0	49.4	51.4	51.4	51.4
95°	61.3	67.2	100.8	98.8	67.2	53.4	45.5	45.5	45.5	45.5	45.5
97.5°	117.0	125.7	131.2	175.9	185.8	179.4	146.2	122.9	109.9	104.0	109.9
100°	166.0	170.0	181.8	183.8	233.2	280.6	256.9	227.3	217.4	211.5	217.4
102.5°	215.0	217.4	235.6	243.9	255.3	282.2	364.4	355.3	348.6	347.4	348.6
105°	288.5	290.5	324.1	339.9	347.8	347.8	345.9	385.4	448.6	462.5	448.6
107.5°	367.2	376.3	415.8	458.1	467.2	469.6	459.3	453.4	451.0	452.6	451.0
110°	421.0	434.8	482.2	535.6	549.4	553.4	549.4	543.5	539.5	539.5	539.5



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	473.1	493.3	547.0	608.3	631.6	643.5	634.8	630.4	626.5	629.7	626.5
115°	553.4	583.0	654.2	717.4	764.8	770.8	768.8	768.8	766.8	766.8	766.8
117.5°	627.7	675.1	754.9	828.5	883.4	899.2	907.1	904.8	902.4	906.3	902.4
120°	679.8	735.2	826.1	909.1	962.5	986.2	994.1	990.1	994.1	990.1	994.1
122.5°	735.2	803.2	892.5	978.7	1041.5	1068.4	1077.9	1078.7	1079.5	1077.1	1079.5
125°	818.2	901.2	1005.9	1094.9	1160.1	1191.7	1199.6	1201.6	1205.5	1215.4	1205.5
127.5°	902.0	996.1	1111.1	1196.9	1263.7	1302.0	1314.2	1318.6	1326.9	1331.2	1326.9
130°	960.5	1067.2	1183.8	1264.8	1330.1	1371.6	1393.3	1399.2	1409.1	1407.1	1409.1
132.5°	1022.1	1133.6	1251.8	1336.0	1396.5	1441.1	1459.7	1476.7	1480.3	1483.0	1480.3
135°	1112.7	1233.2	1351.8	1434.8	1492.1	1535.6	1559.3	1575.1	1585.0	1590.9	1585.0
137.5°	1207.9	1335.2	1449.0	1522.9	1580.7	1618.2	1645.1	1661.7	1672.0	1676.7	1672.0
140°	1272.7	1395.3	1505.9	1583.0	1634.4	1672.0	1695.7	1715.4	1727.3	1727.3	1727.3
142.5°	1334.4	1455.4	1562.9	1639.9	1685.0	1719.4	1744.7	1759.7	1773.1	1773.1	1773.1
145°	1421.0	1541.5	1640.3	1717.4	1755.0	1786.6	1814.3	1826.1	1834.0	1834.0	1834.0
147.5°	1511.5	1618.2	1708.3	1782.2	1813.9	1851.0	1872.7	1882.2	1892.1	1887.8	1892.1
150°	1565.2	1664.1	1751.0	1820.2	1851.8	1887.4	1909.1	1917.0	1926.9	1921.0	1926.9
152.5°	1617.4	1711.5	1790.5	1855.0	1881.8	1917.4	1942.3	1950.2	1956.9	1952.6	1956.9
155°	1687.8	1770.8	1843.9	1903.2	1926.9	1960.5	1984.2	1994.1	2002.0	1992.1	2002.0
157.5°	1750.6	1822.2	1885.8	1940.3	1965.6	1994.5	2016.6	2028.9	2036.8	2032.4	2036.8
160°	1788.6	1853.8	1911.1	1962.5	1986.2	2011.9	2035.6	2049.4	2057.3	2051.4	2057.3
162.5°	1820.2	1879.1	1933.2	1979.9	2000.4	2022.9	2051.4	2063.7	2071.6	2064.1	2071.6
165°	1865.6	1913.1	1960.5	2000.0	2017.8	2035.6	2065.2	2079.1	2085.0	2077.1	2085.0
167.5°	1900.0	1936.4	1974.7	2008.7	2021.8	2039.2	2068.8	2080.3	2087.8	2077.9	2087.8
170°	1919.0	1950.6	1984.2	2011.9	2021.8	2037.6	2067.2	2077.1	2083.0	2073.1	2083.0
172.5°	1934.8	1958.5	1985.8	2010.3	2015.4	2028.1	2056.2	2066.0	2070.4	2062.1	2070.4
175°	1950.6	1964.5	1984.2	2000.0	1998.0	2006.0	2029.7	2037.6	2045.5	2033.6	2045.5
177.5°	1958.1	1964.5	1970.8	1980.3	1973.9	1973.9	1991.3	1996.1	1997.7	1991.3	1997.7
180°	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1230.8	1230.8	1230.8	1230.8	1230.8	1230.8	1230.8	1230.8	1230.8	1230.8	1230.8
2.5°	1228.9	1227.8	1226.6	1228.6	1233.8	1236.3	1230.4	1224.6	1230.4	1236.3	1233.8
5°	1224.9	1223.3	1222.6	1225.2	1231.4	1234.1	1226.4	1218.7	1226.4	1234.1	1231.4
7.5°	1216.1	1214.4	1213.4	1215.9	1221.8	1224.2	1216.5	1208.8	1216.5	1224.2	1221.8
10°	1208.2	1206.3	1204.7	1207.0	1213.2	1215.9	1208.2	1200.5	1208.2	1215.9	1213.2
12.5°	1197.9	1196.3	1195.4	1197.7	1203.3	1205.5	1197.8	1190.1	1197.8	1205.5	1203.3
15°	1179.6	1178.0	1176.8	1178.9	1184.3	1186.4	1178.7	1171.0	1178.7	1186.4	1184.3
17.5°	1156.6	1155.0	1153.7	1155.5	1160.5	1162.5	1155.2	1148.0	1155.2	1162.5	1160.5
20°	1137.9	1136.9	1136.5	1138.9	1143.9	1145.9	1139.0	1132.0	1139.0	1145.9	1143.9
22.5°	1116.6	1116.4	1117.2	1120.0	1124.7	1126.5	1119.5	1112.6	1119.5	1126.5	1124.7
25°	1084.2	1084.3	1085.5	1088.2	1092.4	1093.9	1086.9	1080.0	1086.9	1093.9	1092.4
27.5°	1049.8	1049.9	1050.7	1052.8	1056.4	1057.6	1051.8	1046.0	1051.8	1057.6	1056.4
30°	1024.2	1024.3	1025.0	1027.3	1031.2	1032.6	1026.9	1021.1	1026.9	1032.6	1031.2
32.5°	997.2	996.7	996.9	999.2	1003.7	1005.7	1000.2	994.7	1000.2	1005.7	1003.7
35°	955.7	954.9	954.5	956.4	960.7	962.7	958.1	953.5	958.1	962.7	960.7
37.5°	911.4	911.0	911.1	913.1	917.1	919.1	915.6	912.0	915.6	919.1	917.1
40°	880.3	880.1	880.5	882.8	887.0	889.2	885.4	881.5	885.4	889.2	887.0
42.5°	849.5	849.1	848.9	850.6	854.2	856.2	853.2	850.3	853.2	856.2	854.2
45°	800.2	800.0	800.0	801.8	805.2	807.2	804.5	801.8	804.5	807.2	805.2
47.5°	748.9	748.9	749.4	750.9	753.6	755.1	753.1	751.0	753.1	755.1	753.6
50°	712.9	713.1	713.8	715.6	718.3	719.6	716.9	714.2	716.9	719.6	718.3
52.5°	676.7	677.2	678.3	680.2	682.9	684.2	681.2	678.2	681.2	684.2	682.9
55°	621.7	622.6	624.2	626.1	628.4	629.3	625.8	622.4	625.8	629.3	628.4
57.5°	564.5	565.7	567.5	569.4	571.4	572.1	568.7	565.3	568.7	572.1	571.4
60°	526.3	527.3	528.8	530.8	533.1	534.0	531.0	527.9	531.0	534.0	533.1
62.5°	487.5	488.5	490.0	492.1	494.7	495.9	492.8	489.7	492.8	495.9	494.7
65°	429.2	430.2	431.8	433.7	436.0	437.1	434.4	431.7	434.4	437.1	436.0
67.5°	368.4	369.9	372.1	374.4	376.6	377.7	375.4	373.1	375.4	377.7	376.6
70°	329.4	330.8	332.7	334.7	336.6	337.5	335.2	332.8	335.2	337.5	336.6
72.5°	289.9	291.1	292.7	294.6	296.8	298.0	296.0	294.0	296.0	298.0	296.8
75°	230.5	232.0	233.9	235.5	236.6	237.2	236.1	234.9	236.1	237.2	236.6
77.5°	171.2	172.4	173.8	175.3	176.8	177.9	177.9	177.9	177.9	177.9	176.8
80°	135.0	136.1	137.2	138.4	139.6	140.4	140.4	140.4	140.4	140.4	139.6
82.5°	98.0	99.1	100.9	102.3	103.5	104.5	105.1	105.7	105.1	104.5	103.5
85°	48.4	49.7	51.2	52.6	53.7	54.8	55.6	56.3	55.6	54.8	53.7
87.5°	19.3	19.9	21.2	21.8	21.6	20.8	19.5	18.5	19.5	20.5	22.4
90°	41.5	39.5	39.5	37.5	31.6	23.7	13.8	5.9	13.8	21.7	35.6
92.5°	49.4	49.0	45.9	42.3	34.8	34.8	34.4	21.7	37.5	53.4	76.7
95°	45.5	45.5	53.4	67.2	98.8	100.8	67.2	61.3	87.0	122.5	154.2
97.5°	122.9	146.2	179.4	185.8	175.9	131.2	125.7	117.0	159.3	194.5	245.5
100°	227.3	256.9	280.6	233.2	183.8	181.8	170.0	166.0	211.5	245.1	294.5
102.5°	355.3	364.4	282.2	255.3	243.9	235.6	217.4	215.0	260.5	306.7	348.2
105°	385.4	345.9	347.8	347.8	339.9	324.1	290.5	288.5	339.9	393.3	444.7
107.5°	453.4	459.3	469.6	467.2	458.1	415.8	376.3	367.2	413.4	477.5	534.0
110°	543.5	549.4	553.4	549.4	535.6	482.2	434.8	421.0	462.5	529.7	590.9



TEST NUMBER: P1427779

CATALOG NUMBER: SQ2W-F-K-125U-075D-L840-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	630.4	634.8	643.5	631.6	608.3	547.0	493.3	473.1	514.6	583.4	646.3
115°	768.8	768.8	770.8	764.8	717.4	654.2	583.0	553.4	588.9	652.2	721.4
117.5°	904.8	907.1	899.2	883.4	828.5	754.9	675.1	627.7	655.7	722.5	793.7
120°	990.1	994.1	986.2	962.5	909.1	826.1	735.2	679.8	701.6	766.8	838.0
122.5°	1078.7	1077.9	1068.4	1041.5	978.7	892.5	803.2	735.2	744.3	804.8	874.3
125°	1201.6	1199.6	1191.7	1160.1	1094.9	1005.9	901.2	818.2	806.3	857.7	928.9
127.5°	1318.6	1314.2	1302.0	1263.7	1196.9	1111.1	996.1	902.0	875.5	907.9	973.1
130°	1399.2	1393.3	1371.6	1330.1	1264.8	1183.8	1067.2	960.5	922.9	942.7	1000.0
132.5°	1476.7	1459.7	1441.1	1396.5	1336.0	1251.8	1133.6	1022.1	970.4	979.1	1023.7
135°	1575.1	1559.3	1535.6	1492.1	1434.8	1351.8	1233.2	1112.7	1041.5	1033.6	1059.3
137.5°	1661.7	1645.1	1618.2	1580.7	1522.9	1449.0	1335.2	1207.9	1118.2	1091.7	1101.6
140°	1715.4	1695.7	1672.0	1634.4	1583.0	1505.9	1395.3	1272.7	1172.0	1134.4	1128.5
142.5°	1759.7	1744.7	1719.4	1685.0	1639.9	1562.9	1455.4	1334.4	1227.3	1178.7	1164.8
145°	1826.1	1814.3	1786.6	1755.0	1717.4	1640.3	1541.5	1421.0	1314.2	1251.0	1221.4
147.5°	1882.2	1872.7	1851.0	1813.9	1782.2	1708.3	1618.2	1511.5	1402.0	1323.7	1285.4
150°	1917.0	1909.1	1887.4	1851.8	1820.2	1751.0	1664.1	1565.2	1460.5	1377.5	1328.1
152.5°	1950.2	1942.3	1917.4	1881.8	1855.0	1790.5	1711.5	1617.4	1511.1	1428.1	1377.1
155°	1994.1	1984.2	1960.5	1926.9	1903.2	1843.9	1770.8	1687.8	1596.9	1509.9	1452.6
157.5°	2028.9	2016.6	1994.5	1965.6	1940.3	1885.8	1822.2	1750.6	1671.2	1588.2	1529.7
160°	2049.4	2035.6	2011.9	1986.2	1962.5	1911.1	1853.8	1788.6	1715.4	1640.3	1577.1
162.5°	2063.7	2051.4	2022.9	2000.4	1979.9	1933.2	1879.1	1820.2	1755.0	1689.3	1630.8
165°	2079.1	2065.2	2035.6	2017.8	2000.0	1960.5	1913.1	1865.6	1810.3	1756.9	1709.5
167.5°	2080.3	2068.8	2039.2	2021.8	2008.7	1974.7	1936.4	1900.0	1856.9	1815.0	1775.5
170°	2077.1	2067.2	2037.6	2021.8	2011.9	1984.2	1950.6	1919.0	1885.4	1849.8	1818.2
172.5°	2066.0	2056.2	2028.1	2015.4	2010.3	1985.8	1958.5	1934.8	1906.0	1879.9	1854.6
175°	2037.6	2029.7	2006.0	1998.0	2000.0	1984.2	1964.5	1950.6	1932.8	1917.0	1903.2
177.5°	1996.1	1991.3	1973.9	1973.9	1980.3	1970.8	1964.5	1958.1	1950.2	1945.5	1940.7
180°	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5



TEST NUMBER: P1427779

CATALOG NUMBER: SQ2W-F-K-125U-075D-L840-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1230.8	1230.8	1230.8	1230.8	1230.8	1230.8	1230.8	1230.8	1230.8	1230.8	1230.8
2.5°	1228.6	1226.6	1227.8	1228.9	1229.5	1230.1	1229.5	1228.9	1227.8	1226.6	1228.6
5°	1225.2	1222.6	1223.3	1224.9	1228.7	1232.6	1228.7	1224.9	1223.3	1222.6	1225.2
7.5°	1215.9	1213.4	1214.4	1216.1	1220.1	1224.1	1220.1	1216.1	1214.4	1213.4	1215.9
10°	1207.0	1204.7	1206.3	1208.2	1211.3	1214.4	1211.3	1208.2	1206.3	1204.7	1207.0
12.5°	1197.7	1195.4	1196.3	1197.9	1201.3	1204.7	1201.3	1197.9	1196.3	1195.4	1197.7
15°	1178.9	1176.8	1178.0	1179.6	1182.7	1185.8	1182.7	1179.6	1178.0	1176.8	1178.9
17.5°	1155.5	1153.7	1155.0	1156.6	1159.3	1162.0	1159.3	1156.6	1155.0	1153.7	1155.5
20°	1138.9	1136.5	1136.9	1137.9	1140.6	1143.3	1140.6	1137.9	1136.9	1136.5	1138.9
22.5°	1120.0	1117.2	1116.4	1116.6	1119.9	1123.2	1119.9	1116.6	1116.4	1117.2	1120.0
25°	1088.2	1085.5	1084.3	1084.2	1086.9	1089.5	1086.9	1084.2	1084.3	1085.5	1088.2
27.5°	1052.8	1050.7	1049.9	1049.8	1051.7	1053.7	1051.7	1049.8	1049.9	1050.7	1052.8
30°	1027.3	1025.0	1024.3	1024.2	1026.1	1028.0	1026.1	1024.2	1024.3	1025.0	1027.3
32.5°	999.2	996.9	996.7	997.2	999.4	1001.7	999.4	997.2	996.7	996.9	999.2
35°	956.4	954.5	954.9	955.7	957.6	959.5	957.6	955.7	954.9	954.5	956.4
37.5°	913.1	911.1	911.0	911.4	913.0	914.6	913.0	911.4	911.0	911.1	913.1
40°	882.8	880.5	880.1	880.3	882.2	884.1	882.2	880.3	880.1	880.5	882.8
42.5°	850.6	848.9	849.1	849.5	850.5	851.5	850.5	849.5	849.1	848.9	850.6
45°	801.8	800.0	800.0	800.2	801.0	801.8	801.0	800.2	800.0	800.0	801.8
47.5°	750.9	749.4	748.9	748.9	750.1	751.3	750.1	748.9	748.9	749.4	750.9
50°	715.6	713.8	713.1	712.9	714.4	716.0	714.4	712.9	713.1	713.8	715.6
52.5°	680.2	678.3	677.2	676.7	678.0	679.2	678.0	676.7	677.2	678.3	680.2
55°	626.1	624.2	622.6	621.7	622.4	623.2	622.4	621.7	622.6	624.2	626.1
57.5°	569.4	567.5	565.7	564.5	565.6	566.7	565.6	564.5	565.7	567.5	569.4
60°	530.8	528.8	527.3	526.3	527.1	527.9	527.1	526.3	527.3	528.8	530.8
62.5°	492.1	490.0	488.5	487.5	488.3	489.0	488.3	487.5	488.5	490.0	492.1
65°	433.7	431.8	430.2	429.2	429.5	429.9	429.5	429.2	430.2	431.8	433.7
67.5°	374.4	372.1	369.9	368.4	369.0	369.6	369.0	368.4	369.9	372.1	374.4
70°	334.7	332.7	330.8	329.4	329.4	329.4	329.4	329.4	330.8	332.7	334.7
72.5°	294.6	292.7	291.1	289.9	289.9	289.9	289.9	289.9	291.1	292.7	294.6
75°	235.5	233.9	232.0	230.5	230.1	229.7	230.1	230.5	232.0	233.9	235.5
77.5°	175.3	173.8	172.4	171.2	170.7	170.2	170.7	171.2	172.4	173.8	175.3
80°	138.4	137.2	136.1	135.0	134.3	133.5	134.3	135.0	136.1	137.2	138.4
82.5°	102.3	100.9	99.1	98.0	98.7	99.5	98.7	98.0	99.1	100.9	102.3
85°	52.6	51.2	49.7	48.4	48.1	47.7	48.1	48.4	49.7	51.2	52.6
87.5°	23.4	25.1	26.6	27.2	28.5	27.4	28.5	27.2	26.6	25.1	23.4
90°	45.5	59.3	73.1	81.0	88.9	85.0	88.9	81.0	73.1	59.3	45.5
92.5°	91.3	114.6	131.6	145.9	152.2	151.4	152.2	145.9	131.6	114.6	91.3
95°	183.8	211.5	239.1	258.9	270.8	266.8	270.8	258.9	239.1	211.5	183.8
97.5°	283.4	320.6	351.4	370.0	381.8	389.7	381.8	370.0	351.4	320.6	283.4
100°	349.8	385.4	421.0	442.7	462.5	470.4	462.5	442.7	421.0	385.4	349.8
102.5°	403.6	450.2	488.9	512.3	528.9	536.8	528.9	512.3	488.9	450.2	403.6
105°	492.1	541.5	583.0	612.7	630.4	636.4	630.4	612.7	583.0	541.5	492.1
107.5°	580.6	631.6	670.0	702.8	724.5	737.2	724.5	702.8	670.0	631.6	580.6
110°	650.2	691.7	733.2	762.9	784.6	792.5	784.6	762.9	733.2	691.7	650.2



TEST NUMBER: P1427779

CATALOG NUMBER: SQ2W-F-K-125U-075D-L840-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	708.7	754.9	796.5	826.1	851.0	862.1	851.0	826.1	796.5	754.9	708.7
115°	790.5	851.8	889.3	917.0	934.8	944.7	934.8	917.0	889.3	851.8	790.5
117.5°	858.5	922.5	963.6	985.0	993.3	1000.4	993.3	985.0	963.6	922.5	858.5
120°	901.2	960.5	1007.9	1035.6	1045.5	1049.4	1045.5	1035.6	1007.9	960.5	901.2
122.5°	940.7	996.8	1042.7	1076.7	1092.9	1096.9	1092.9	1076.7	1042.7	996.8	940.7
125°	996.1	1049.4	1096.9	1130.4	1148.2	1158.1	1148.2	1130.4	1096.9	1049.4	996.1
127.5°	1044.3	1102.0	1145.5	1175.9	1193.3	1201.2	1193.3	1175.9	1145.5	1102.0	1044.3
130°	1071.2	1130.4	1173.9	1207.5	1223.3	1231.2	1223.3	1207.5	1173.9	1130.4	1071.2
132.5°	1091.7	1154.2	1199.2	1229.7	1247.1	1255.0	1247.1	1229.7	1199.2	1154.2	1091.7
135°	1116.6	1181.8	1229.3	1258.9	1274.7	1282.6	1274.7	1258.9	1229.3	1181.8	1116.6
137.5°	1138.4	1197.6	1247.1	1278.3	1292.5	1297.6	1292.5	1278.3	1247.1	1197.6	1138.4
140°	1154.2	1205.5	1255.0	1284.6	1300.4	1302.4	1300.4	1284.6	1255.0	1205.5	1154.2
142.5°	1174.7	1215.0	1258.1	1287.8	1303.6	1307.1	1303.6	1287.8	1258.1	1215.0	1174.7
145°	1211.5	1235.2	1264.8	1292.5	1306.3	1310.3	1306.3	1292.5	1264.8	1235.2	1211.5
147.5°	1257.7	1265.2	1280.6	1298.8	1312.3	1315.0	1312.3	1298.8	1280.6	1265.2	1257.7
150°	1292.5	1290.5	1296.5	1308.3	1320.2	1318.2	1320.2	1308.3	1296.5	1290.5	1292.5
152.5°	1332.0	1320.6	1320.2	1325.7	1331.2	1330.8	1331.2	1325.7	1320.2	1320.6	1332.0
155°	1399.2	1377.5	1365.6	1361.7	1361.7	1359.7	1361.7	1361.7	1365.6	1377.5	1399.2
157.5°	1473.1	1442.7	1424.9	1415.4	1412.7	1408.3	1412.7	1415.4	1424.9	1442.7	1473.1
160°	1523.7	1490.1	1472.3	1456.5	1450.6	1444.7	1450.6	1456.5	1472.3	1490.1	1523.7
162.5°	1571.2	1539.1	1519.8	1505.6	1499.6	1490.5	1499.6	1505.6	1519.8	1539.1	1571.2
165°	1648.2	1614.6	1592.9	1581.0	1573.1	1565.2	1573.1	1581.0	1592.9	1614.6	1648.2
167.5°	1725.3	1688.6	1674.3	1660.9	1653.4	1639.1	1653.4	1660.9	1674.3	1688.6	1725.3
170°	1772.7	1739.2	1731.2	1719.4	1705.6	1689.7	1705.6	1719.4	1731.2	1739.2	1772.7
172.5°	1813.9	1791.3	1783.4	1771.6	1767.2	1754.6	1767.2	1771.6	1783.4	1791.3	1813.9
175°	1873.5	1855.8	1855.8	1853.8	1847.8	1836.0	1847.8	1853.8	1855.8	1855.8	1873.5
177.5°	1923.3	1913.9	1920.2	1920.2	1918.6	1907.5	1918.6	1920.2	1920.2	1913.9	1923.3
180°	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5



TEST NUMBER: P1427779

CATALOG NUMBER: SQ2W-F-K-125U-075D-L840-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	1230.8	1230.8	1230.8	1230.8
2.5°	1233.8	1236.3	1230.4	1224.6
5°	1231.4	1234.1	1226.4	1218.7
7.5°	1221.8	1224.2	1216.5	1208.8
10°	1213.2	1215.9	1208.2	1200.5
12.5°	1203.3	1205.5	1197.8	1190.1
15°	1184.3	1186.4	1178.7	1171.0
17.5°	1160.5	1162.5	1155.2	1148.0
20°	1143.9	1145.9	1139.0	1132.0
22.5°	1124.7	1126.5	1119.5	1112.6
25°	1092.4	1093.9	1086.9	1080.0
27.5°	1056.4	1057.6	1051.8	1046.0
30°	1031.2	1032.6	1026.9	1021.1
32.5°	1003.7	1005.7	1000.2	994.7
35°	960.7	962.7	958.1	953.5
37.5°	917.1	919.1	915.6	912.0
40°	887.0	889.2	885.4	881.5
42.5°	854.2	856.2	853.2	850.3
45°	805.2	807.2	804.5	801.8
47.5°	753.6	755.1	753.1	751.0
50°	718.3	719.6	716.9	714.2
52.5°	682.9	684.2	681.2	678.2
55°	628.4	629.3	625.8	622.4
57.5°	571.4	572.1	568.7	565.3
60°	533.1	534.0	531.0	527.9
62.5°	494.7	495.9	492.8	489.7
65°	436.0	437.1	434.4	431.7
67.5°	376.6	377.7	375.4	373.1
70°	336.6	337.5	335.2	332.8
72.5°	296.8	298.0	296.0	294.0
75°	236.6	237.2	236.1	234.9
77.5°	176.8	177.9	177.9	177.9
80°	139.6	140.4	140.4	140.4
82.5°	103.5	104.5	105.1	105.7
85°	53.7	54.8	55.6	56.3
87.5°	22.4	20.5	19.5	18.5
90°	35.6	21.7	13.8	5.9
92.5°	76.7	53.4	37.5	21.7
95°	154.2	122.5	87.0	61.3
97.5°	245.5	194.5	159.3	117.0
100°	294.5	245.1	211.5	166.0
102.5°	348.2	306.7	260.5	215.0
105°	444.7	393.3	339.9	288.5
107.5°	534.0	477.5	413.4	367.2
110°	590.9	529.7	462.5	421.0



TEST NUMBER: P1427779

CATALOG NUMBER: SQ2W-F-K-125U-075D-L840-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	646.3	583.4	514.6	473.1
115°	721.4	652.2	588.9	553.4
117.5°	793.7	722.5	655.7	627.7
120°	838.0	766.8	701.6	679.8
122.5°	874.3	804.8	744.3	735.2
125°	928.9	857.7	806.3	818.2
127.5°	973.1	907.9	875.5	902.0
130°	1000.0	942.7	922.9	960.5
132.5°	1023.7	979.1	970.4	1022.1
135°	1059.3	1033.6	1041.5	1112.7
137.5°	1101.6	1091.7	1118.2	1207.9
140°	1128.5	1134.4	1172.0	1272.7
142.5°	1164.8	1178.7	1227.3	1334.4
145°	1221.4	1251.0	1314.2	1421.0
147.5°	1285.4	1323.7	1402.0	1511.5
150°	1328.1	1377.5	1460.5	1565.2
152.5°	1377.1	1428.1	1511.1	1617.4
155°	1452.6	1509.9	1596.9	1687.8
157.5°	1529.7	1588.2	1671.2	1750.6
160°	1577.1	1640.3	1715.4	1788.6
162.5°	1630.8	1689.3	1755.0	1820.2
165°	1709.5	1756.9	1810.3	1865.6
167.5°	1775.5	1815.0	1856.9	1900.0
170°	1818.2	1849.8	1885.4	1919.0
172.5°	1854.6	1879.9	1906.0	1934.8
175°	1903.2	1917.0	1932.8	1950.6
177.5°	1940.7	1945.5	1950.2	1958.1
180°	1956.5	1956.5	1956.5	1956.5



TEST NUMBER: P1427779  
 CATALOG NUMBER: SQ2W-F-K-125U-075D-L840-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	17.00	17.77	18.06	18.83	20.27	16.92	17.69	17.97	18.75	20.18
	3H	18.79	19.48	19.85	20.55	22.00	18.68	19.37	19.75	20.44	21.90
	4H	19.48	20.13	20.55	21.20	22.66	19.36	20.02	20.44	21.09	22.55
	6H	19.91	20.51	21.00	21.59	23.06	19.77	20.37	20.85	21.45	22.92
	8H	20.07	20.64	21.16	21.73	23.20	19.91	20.49	21.00	21.58	23.04
	12H	20.15	20.70	21.24	21.78	23.27	19.97	20.52	21.07	21.60	23.09
4H	2H	17.57	18.23	18.65	19.30	20.76	17.51	18.16	18.59	19.23	20.69
	3H	19.59	20.13	20.67	21.23	22.70	19.49	20.04	20.58	21.14	22.61
	4H	20.40	20.90	21.49	21.99	23.48	20.29	20.79	21.38	21.87	23.37
	6H	20.94	21.38	22.05	22.49	23.97	20.80	21.23	21.90	22.34	23.83
	8H	21.16	21.56	22.26	22.66	24.16	21.00	21.40	22.10	22.50	24.00
	12H	21.26	21.63	22.38	22.74	24.25	21.08	21.44	22.20	22.56	24.07
8H	4H	20.63	21.04	21.73	22.14	23.64	20.54	20.94	21.64	22.04	23.54
	6H	21.32	21.65	22.44	22.80	24.30	21.19	21.52	22.31	22.66	24.16
	8H	21.62	21.91	22.75	23.04	24.56	21.47	21.76	22.60	22.88	24.40
	12H	21.80	22.06	22.93	23.18	24.73	21.61	21.87	22.74	22.99	24.54
12H	4H	20.62	20.99	21.74	22.10	23.61	20.53	20.89	21.65	22.01	23.52
	6H	21.37	21.66	22.50	22.78	24.30	21.24	21.53	22.37	22.66	24.18
	8H	21.70	21.95	22.83	23.07	24.63	21.55	21.80	22.68	22.92	24.48