

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: P1435842

Luminaire Tested: SQ2W-FA-K-125U-075D-L835-UNV-STD-W-WM-4

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1435842
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2502-345-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-FA-K-125U-075D-L835-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS ASYMMETRIC ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

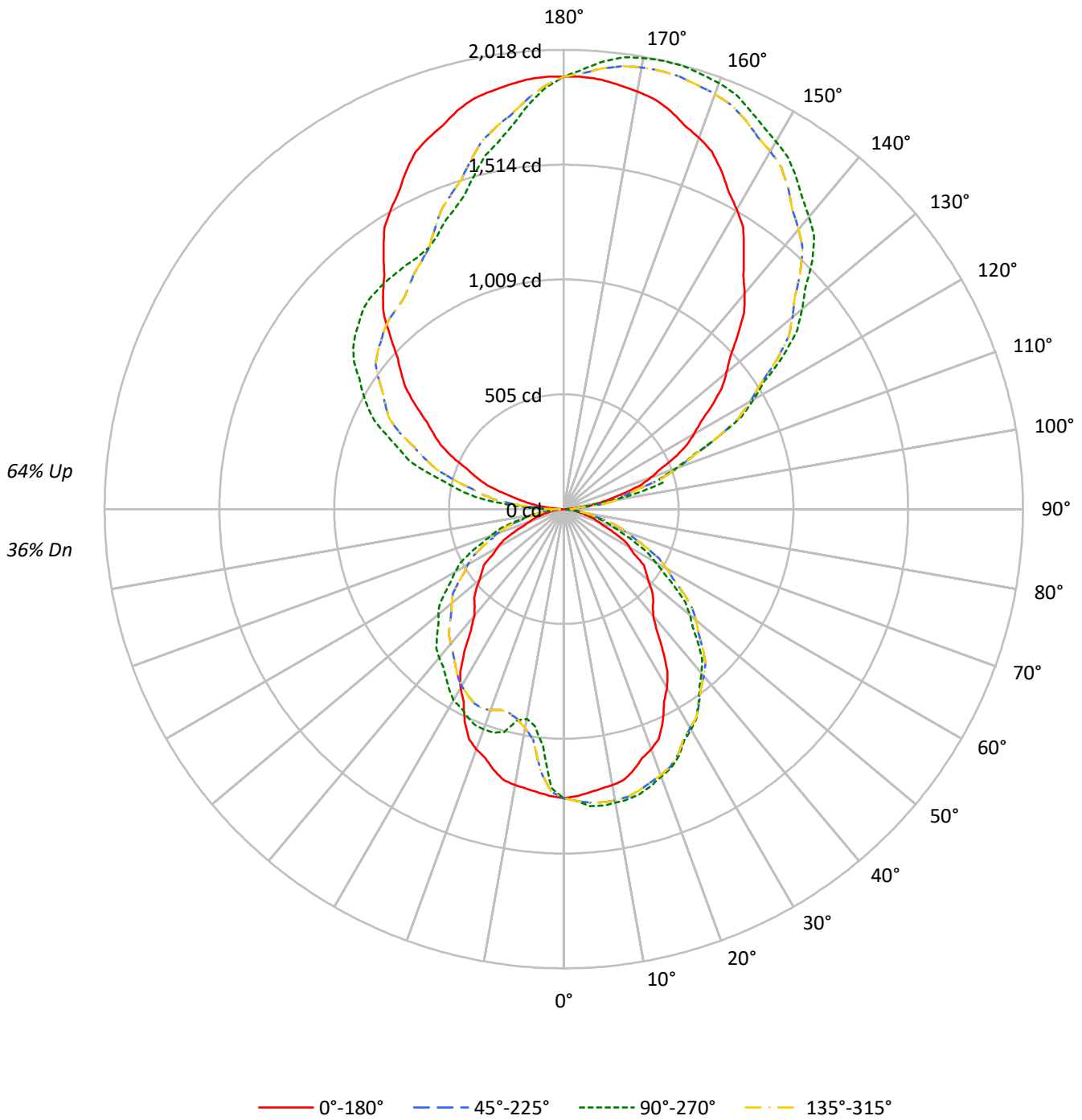
Lumens per Lamp: N/A
Luminaire Lumens: 8711.1 lumens
Efficiency: N/A
Efficacy: 123.2 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.23 / 1.34
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 70.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1435842

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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	94	94	94	94	76	76	76	59	59	59	44	44	44	36
1	95	91	87	83	86	82	79	76	66	64	62	52	50	49	39	38	37	31
2	86	79	73	68	78	72	67	62	58	55	52	46	43	41	34	32	31	26
3	79	69	62	57	71	63	57	52	51	47	43	40	37	35	30	28	26	22
4	72	61	54	48	65	56	49	44	46	41	37	36	32	30	27	25	23	19
5	66	55	47	41	59	50	43	38	41	36	32	32	28	26	24	22	20	16
6	61	49	41	35	55	45	38	33	37	31	27	29	25	22	22	19	17	14
7	56	44	36	31	51	40	33	29	33	28	24	26	23	20	20	17	15	13
8	52	40	32	27	47	36	30	25	30	25	21	24	20	18	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°	20518	20518	20518	20518
5°	20277	21235	20277	16924
10°	20188	21480	20188	15342
15°	19841	21653	19841	16959
20°	19295	21496	19295	17687
25°	18338	21322	18338	17900
30°	16896	20845	16896	18090
35°	14950	20386	14950	17767
40°	12874	19829	12874	17959
45°	12709	19118	12709	17995
50°	12124	18185	12124	18062
55°	12062	16777	12062	17886
60°	10814	14951	10814	17815
65°	9219	13173	9219	17310
70°	7440	11160	7440	16045
75°	6450	9220	6450	14747
80°	5495	6871	5495	11911
85°	3649	3649	3649	7299

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 19719 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.3	1.3
10°-20°	319.5	3.7
20°-30°	485.2	5.6
30°-40°	569.6	6.5
40°-50°	578.1	6.6
50°-60°	506.3	5.8
60°-70°	359.1	4.1
70°-80°	184.9	2.1
80°-90°	46.6	0.5
90°-100°	151.2	1.7
100°-110°	440.9	5.1
110°-120°	719.6	8.3
120°-130°	913.1	10.5
130°-140°	977.1	11.2
140°-150°	912.4	10.5
150°-160°	750.8	8.6
160°-170°	503.5	5.8
170°-180°	178.8	2.1
0°-30°	919.0	10.5
0°-40°	1488.7	17.1
0°-60°	2573.0	29.5
0°-90°	3163.7	36.3
90°-120°	1311.8	15.1
90°-150°	4114.3	47.2
90°-180°	5547.0	63.7
0°-180°	8711.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1271	1271	1271	1271	1271	
5°	1251	1310	1251	1044	1251	119
15°	1187	1295	1187	1015	1187	333
25°	1029	1197	1029	1005	1029	470
35°	758	1034	758	901	758	473
45°	557	837	557	788	557	426
55°	428	596	428	635	428	371
65°	241	345	241	453	241	241
75°	103	148	103	236	103	112
85°	20	20	20	39	20	25
90°	6	42	6	82	6	5
95°	60	44	60	259	60	72
105°	280	449	280	618	280	298
115°	537	745	537	917	537	530
125°	794	1180	794	1125	794	711
135°	1080	1545	1080	1246	1080	835
145°	1380	1781	1380	1272	1380	863
155°	1639	1934	1639	1320	1639	753
165°	1812	2017	1812	1520	1812	510
175°	1894	1975	1894	1783	1894	180
180°	1900	1900	1900	1900	1900	



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CATALOG NUMBER: SQ2W-FA-K-125U-075D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8
2.5°	1262.9	1271.6	1280.4	1282.6	1282.6	1282.6	1282.6	1282.6	1282.6	1282.6	1282.6
5°	1251.1	1266.4	1281.7	1288.8	1293.2	1296.5	1298.7	1301.4	1305.8	1310.2	1305.8
7.5°	1239.2	1259.8	1280.4	1290.5	1297.0	1302.3	1306.2	1309.7	1311.9	1314.1	1311.9
10°	1231.4	1255.4	1279.5	1290.5	1297.0	1301.4	1303.6	1305.8	1308.0	1310.2	1308.0
12.5°	1219.5	1245.4	1271.2	1283.9	1292.2	1297.5	1299.7	1301.9	1304.0	1306.2	1304.0
15°	1187.0	1222.1	1257.1	1270.8	1277.3	1282.8	1287.2	1291.0	1293.2	1295.4	1293.2
17.5°	1146.6	1189.1	1231.6	1248.8	1257.5	1263.9	1267.8	1271.2	1273.0	1274.7	1273.0
20°	1123.0	1169.0	1214.9	1233.0	1241.8	1247.2	1249.4	1251.1	1251.1	1251.1	1251.1
22.5°	1091.5	1142.7	1193.9	1213.3	1222.1	1226.7	1227.1	1227.9	1229.6	1231.4	1229.6
25°	1029.4	1088.5	1147.6	1172.3	1185.4	1190.9	1188.7	1188.1	1192.5	1196.9	1192.5
27.5°	953.6	1028.0	1102.4	1127.6	1136.4	1141.8	1144.0	1145.7	1145.7	1145.7	1145.7
30°	906.3	989.5	1072.7	1100.0	1108.8	1114.2	1116.4	1118.1	1118.1	1118.1	1118.1
32.5°	847.2	946.1	1045.1	1075.1	1082.1	1085.8	1086.2	1086.6	1086.6	1086.6	1086.6
35°	758.5	878.9	999.3	1032.7	1037.1	1039.3	1039.3	1038.7	1036.5	1034.3	1036.5
37.5°	669.9	806.5	943.1	982.1	988.7	990.5	987.4	984.5	982.4	980.2	982.4
40°	610.8	759.6	908.5	950.6	957.2	957.2	950.6	945.1	943.0	940.8	943.0
42.5°	579.2	726.3	873.4	915.2	921.7	920.8	912.5	905.7	903.5	901.4	903.5
45°	556.6	687.9	819.3	857.0	863.6	862.5	853.7	846.1	841.7	837.3	841.7
47.5°	522.1	637.7	753.3	790.4	801.3	800.2	787.1	776.1	771.8	767.4	771.8
50°	482.7	596.5	710.4	747.0	758.0	756.9	743.7	732.8	728.4	724.0	728.4
52.5°	455.1	561.9	668.8	702.4	711.6	708.7	693.8	681.6	677.2	672.8	677.2
55°	428.5	518.3	608.0	635.4	642.0	637.6	622.2	609.1	602.5	596.0	602.5
57.5°	366.5	451.8	537.2	563.8	570.8	565.6	548.0	533.0	525.6	518.2	525.6
60°	334.9	411.5	488.2	513.9	522.6	518.3	500.8	484.9	473.9	463.0	473.9
62.5°	299.5	367.3	435.2	461.4	473.6	471.0	453.5	437.6	426.7	415.7	426.7
65°	241.3	300.5	359.6	385.8	401.2	400.1	382.5	366.7	355.7	344.8	355.7
67.5°	189.1	239.9	290.7	316.5	334.1	333.2	313.9	297.3	288.5	279.8	288.5
70°	157.6	201.4	245.2	269.3	286.8	286.8	269.3	253.9	245.2	236.4	245.2
72.5°	137.9	171.2	204.5	227.2	246.5	246.5	227.2	211.0	204.0	197.0	204.0
75°	103.4	123.1	142.8	164.2	186.1	188.3	170.7	156.5	152.1	147.8	152.1
77.5°	74.9	84.1	93.3	110.0	129.3	131.5	116.6	105.0	103.2	101.5	103.2
80°	59.1	61.3	63.5	77.2	94.7	96.9	83.7	73.9	73.9	73.9	73.9
82.5°	39.4	41.6	43.8	53.5	65.8	67.1	57.5	49.8	48.1	46.3	48.1
85°	19.7	19.7	19.7	23.0	27.4	27.4	23.0	19.7	19.7	19.7	19.7
87.5°	5.1	6.6	8.5	11.4	14.3	14.7	12.9	12.0	12.4	12.4	12.4
90°	5.8	13.4	23.0	30.7	36.5	38.4	38.4	40.3	42.2	42.2	42.2
92.5°	21.1	33.4	33.8	33.8	41.1	44.5	47.6	48.0	49.9	49.9	49.9
95°	59.5	65.2	97.9	96.0	65.2	51.8	44.1	44.1	44.1	44.1	44.1
97.5°	113.6	122.1	127.4	170.8	180.4	174.3	142.0	119.4	106.7	100.9	106.7
100°	161.2	165.0	176.6	178.5	226.5	272.5	249.5	220.7	211.1	205.3	211.1
102.5°	208.8	211.1	228.8	236.8	247.9	274.0	353.9	345.1	338.5	337.4	338.5
105°	280.2	282.1	314.7	330.1	337.8	337.8	335.8	374.2	435.6	449.1	435.6
107.5°	356.6	365.4	403.8	444.8	453.7	456.0	446.0	440.2	437.9	439.5	437.9
110°	408.8	422.2	468.3	520.1	533.5	537.3	533.5	527.8	523.9	523.9	523.9



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CATALOG NUMBER: SQ2W-FA-K-125U-075D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	459.4	479.0	531.2	590.7	613.3	624.9	616.4	612.2	608.4	611.4	608.4
115°	537.3	566.1	635.2	696.6	742.7	748.4	746.5	746.5	744.6	744.6	744.6
117.5°	609.5	655.6	733.1	804.5	857.8	873.2	880.9	878.6	876.3	880.1	876.3
120°	660.2	713.9	802.2	882.8	934.6	957.6	965.3	961.5	965.3	961.5	965.3
122.5°	713.9	779.9	866.7	950.3	1011.4	1037.5	1046.7	1047.4	1048.2	1045.9	1048.2
125°	794.5	875.1	976.8	1063.2	1126.5	1157.2	1164.9	1166.8	1170.6	1180.2	1170.6
127.5°	875.9	967.2	1078.9	1162.2	1227.1	1264.3	1276.2	1280.4	1288.5	1292.7	1288.5
130°	932.7	1036.3	1149.5	1228.2	1291.6	1331.9	1353.0	1358.7	1368.3	1366.4	1368.3
132.5°	992.6	1100.8	1215.6	1297.3	1356.0	1399.4	1417.4	1433.9	1437.4	1440.1	1437.4
135°	1080.5	1197.5	1312.7	1393.3	1448.9	1491.1	1514.2	1529.5	1539.1	1544.9	1539.1
137.5°	1173.0	1296.5	1407.1	1478.9	1534.9	1571.4	1597.5	1613.6	1623.6	1628.2	1623.6
140°	1235.9	1354.9	1462.4	1537.2	1587.1	1623.6	1646.6	1665.8	1677.3	1677.3	1677.3
142.5°	1295.8	1413.2	1517.6	1592.5	1636.2	1669.6	1694.2	1708.8	1721.8	1721.8	1721.8
145°	1379.8	1496.9	1592.8	1667.7	1704.2	1734.9	1761.7	1773.2	1780.9	1780.9	1780.9
147.5°	1467.7	1571.4	1658.9	1730.6	1761.3	1797.4	1818.5	1827.7	1837.3	1833.1	1837.3
150°	1519.9	1615.9	1700.3	1767.5	1798.2	1832.7	1853.8	1861.5	1871.1	1865.4	1871.1
152.5°	1570.6	1661.9	1738.7	1801.3	1827.4	1861.9	1886.1	1893.8	1900.3	1896.1	1900.3
155°	1638.9	1719.5	1790.5	1848.1	1871.1	1903.7	1926.8	1936.4	1944.0	1934.4	1944.0
157.5°	1699.9	1769.4	1831.2	1884.2	1908.7	1936.8	1958.2	1970.1	1977.8	1973.6	1977.8
160°	1736.8	1800.1	1855.8	1905.7	1928.7	1953.6	1976.7	1990.1	1997.8	1992.0	1997.8
162.5°	1767.5	1824.7	1877.3	1922.5	1942.5	1964.4	1992.0	2003.9	2011.6	2004.3	2011.6
165°	1811.6	1857.7	1903.7	1942.1	1959.4	1976.7	2005.5	2018.9	2024.6	2017.0	2024.6
167.5°	1845.0	1880.3	1917.6	1950.6	1963.2	1980.1	2008.9	2020.0	2027.3	2017.7	2027.3
170°	1863.4	1894.1	1926.8	1953.6	1963.2	1978.6	2007.4	2017.0	2022.7	2013.1	2022.7
172.5°	1878.8	1901.8	1928.3	1952.1	1957.1	1969.4	1996.6	2006.2	2010.4	2002.4	2010.4
175°	1894.1	1907.6	1926.8	1942.1	1940.2	1947.9	1970.9	1978.6	1986.3	1974.7	1986.3
177.5°	1901.4	1907.6	1913.7	1922.9	1916.8	1916.8	1933.7	1938.3	1939.8	1933.7	1939.8
180°	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8
2.5°	1282.6	1282.6	1282.6	1282.6	1282.6	1280.4	1271.6	1262.9	1262.9	1262.9	1256.3
5°	1301.4	1298.7	1296.5	1293.2	1288.8	1281.7	1266.4	1251.1	1244.5	1237.9	1210.0
7.5°	1309.7	1306.2	1302.3	1297.0	1290.5	1280.4	1259.8	1239.2	1209.9	1180.6	1118.4
10°	1305.8	1303.6	1301.4	1297.0	1290.5	1279.5	1255.4	1231.4	1172.3	1113.2	1054.0
12.5°	1301.9	1299.7	1297.5	1292.2	1283.9	1271.2	1245.4	1219.5	1135.9	1052.3	998.9
15°	1291.0	1287.2	1282.8	1277.3	1270.8	1257.1	1222.1	1187.0	1092.9	998.8	953.9
17.5°	1271.2	1267.8	1263.9	1257.5	1248.8	1231.6	1189.1	1146.6	1048.1	949.6	920.7
20°	1251.1	1249.4	1247.2	1241.8	1233.0	1214.9	1169.0	1123.0	1024.5	926.0	912.9
22.5°	1227.9	1227.1	1226.7	1222.1	1213.3	1193.9	1142.7	1091.5	994.7	898.0	898.4
25°	1188.1	1188.7	1190.9	1185.4	1172.3	1147.6	1088.5	1029.4	944.0	858.7	873.4
27.5°	1145.7	1144.0	1141.8	1136.4	1127.6	1102.4	1028.0	953.6	886.1	818.7	843.2
30°	1118.1	1116.4	1114.2	1108.8	1100.0	1072.7	989.5	906.3	849.4	792.5	820.9
32.5°	1086.6	1086.2	1085.8	1082.1	1075.1	1045.1	946.1	847.2	806.0	764.9	794.6
35°	1038.7	1039.3	1039.3	1037.1	1032.7	999.3	878.9	758.5	741.0	723.5	758.5
37.5°	984.5	987.4	990.5	988.7	982.1	943.1	806.5	669.9	675.6	681.2	723.7
40°	945.1	950.6	957.2	957.2	950.6	908.5	759.6	610.8	630.5	650.2	696.1
42.5°	905.7	912.5	920.8	921.7	915.2	873.4	726.3	579.2	600.7	622.1	669.9
45°	846.1	853.7	862.5	863.6	857.0	819.3	687.9	556.6	569.7	582.8	628.8
47.5°	776.1	787.1	800.2	801.3	790.4	753.3	637.7	522.1	531.7	541.4	588.4
50°	732.8	743.7	756.9	758.0	747.0	710.4	596.5	482.7	495.8	509.0	558.2
52.5°	681.6	693.8	708.7	711.6	702.4	668.8	561.9	455.1	463.0	470.9	524.1
55°	609.1	622.2	637.6	642.0	635.4	608.0	518.3	428.5	421.9	415.4	469.6
57.5°	533.0	548.0	565.6	570.8	563.8	537.2	451.8	366.5	360.8	355.1	413.7
60°	484.9	500.8	518.3	522.6	513.9	488.2	411.5	334.9	324.0	313.0	374.3
62.5°	437.6	453.5	471.0	473.6	461.4	435.2	367.3	299.5	292.0	284.6	344.1
65°	366.7	382.5	400.1	401.2	385.8	359.6	300.5	241.3	245.7	250.1	303.7
67.5°	297.3	313.9	333.2	334.1	316.5	290.7	239.9	189.1	203.6	218.0	266.3
70°	253.9	269.3	286.8	286.8	269.3	245.2	201.4	157.6	177.3	197.0	241.3
72.5°	211.0	227.2	246.5	246.5	227.2	204.5	171.2	137.9	157.6	177.3	213.8
75°	156.5	170.7	188.3	186.1	164.2	142.8	123.1	103.4	123.1	142.8	170.7
77.5°	105.0	116.6	131.5	129.3	110.0	93.3	84.1	74.9	91.1	107.3	126.7
80°	73.9	83.7	96.9	94.7	77.2	63.5	61.3	59.1	70.1	81.0	95.2
82.5°	49.8	57.5	67.1	65.8	53.5	43.8	41.6	39.4	48.6	57.8	67.6
85°	19.7	23.0	27.4	27.4	23.0	19.7	19.7	19.7	24.1	28.5	32.8
87.5°	12.0	12.9	14.7	14.3	11.4	8.5	6.6	5.1	8.4	11.7	14.8
90°	40.3	38.4	38.4	36.5	30.7	23.0	13.4	5.8	13.4	21.1	34.5
92.5°	48.0	47.6	44.5	41.1	33.8	33.8	33.4	21.1	36.5	51.8	74.5
95°	44.1	44.1	51.8	65.2	96.0	97.9	65.2	59.5	84.4	119.0	149.7
97.5°	119.4	142.0	174.3	180.4	170.8	127.4	122.1	113.6	154.7	188.8	238.4
100°	220.7	249.5	272.5	226.5	178.5	176.6	165.0	161.2	205.3	238.0	285.9
102.5°	345.1	353.9	274.0	247.9	236.8	228.8	211.1	208.8	252.9	297.8	338.1
105°	374.2	335.8	337.8	337.8	330.1	314.7	282.1	280.2	330.1	381.9	431.8
107.5°	440.2	446.0	456.0	453.7	444.8	403.8	365.4	356.6	401.5	463.7	518.5
110°	527.8	533.5	537.3	533.5	520.1	468.3	422.2	408.8	449.1	514.3	573.8



TEST NUMBER: P1435842

CATALOG NUMBER: SQ2W-FA-K-125U-075D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	612.2	616.4	624.9	613.3	590.7	531.2	479.0	459.4	499.7	566.5	627.5
115°	746.5	746.5	748.4	742.7	696.6	635.2	566.1	537.3	571.9	633.3	700.5
117.5°	878.6	880.9	873.2	857.8	804.5	733.1	655.6	609.5	636.8	701.6	770.7
120°	961.5	965.3	957.6	934.6	882.8	802.2	713.9	660.2	681.3	744.6	813.7
122.5°	1047.4	1046.7	1037.5	1011.4	950.3	866.7	779.9	713.9	722.7	781.5	849.0
125°	1166.8	1164.9	1157.2	1126.5	1063.2	976.8	875.1	794.5	783.0	832.9	902.0
127.5°	1280.4	1276.2	1264.3	1227.1	1162.2	1078.9	967.2	875.9	850.2	881.6	945.0
130°	1358.7	1353.0	1331.9	1291.6	1228.2	1149.5	1036.3	932.7	896.2	915.4	971.1
132.5°	1433.9	1417.4	1399.4	1356.0	1297.3	1215.6	1100.8	992.6	942.3	950.7	994.1
135°	1529.5	1514.2	1491.1	1448.9	1393.3	1312.7	1197.5	1080.5	1011.4	1003.7	1028.6
137.5°	1613.6	1597.5	1571.4	1534.9	1478.9	1407.1	1296.5	1173.0	1085.8	1060.1	1069.7
140°	1665.8	1646.6	1623.6	1587.1	1537.2	1462.4	1354.9	1235.9	1138.0	1101.6	1095.8
142.5°	1708.8	1694.2	1669.6	1636.2	1592.5	1517.6	1413.2	1295.8	1191.8	1144.5	1131.1
145°	1773.2	1761.7	1734.9	1704.2	1667.7	1592.8	1496.9	1379.8	1276.2	1214.8	1186.0
147.5°	1827.7	1818.5	1797.4	1761.3	1730.6	1658.9	1571.4	1467.7	1361.4	1285.4	1248.2
150°	1861.5	1853.8	1832.7	1798.2	1767.5	1700.3	1615.9	1519.9	1418.2	1337.6	1289.6
152.5°	1893.8	1886.1	1861.9	1827.4	1801.3	1738.7	1661.9	1570.6	1467.3	1386.7	1337.2
155°	1936.4	1926.8	1903.7	1871.1	1848.1	1790.5	1719.5	1638.9	1550.6	1466.2	1410.5
157.5°	1970.1	1958.2	1936.8	1908.7	1884.2	1831.2	1769.4	1699.9	1622.8	1542.2	1485.4
160°	1990.1	1976.7	1953.6	1928.7	1905.7	1855.8	1800.1	1736.8	1665.8	1592.8	1531.4
162.5°	2003.9	1992.0	1964.4	1942.5	1922.5	1877.3	1824.7	1767.5	1704.2	1640.4	1583.6
165°	2018.9	2005.5	1976.7	1959.4	1942.1	1903.7	1857.7	1811.6	1757.9	1706.1	1660.0
167.5°	2020.0	2008.9	1980.1	1963.2	1950.6	1917.6	1880.3	1845.0	1803.2	1762.5	1724.1
170°	2017.0	2007.4	1978.6	1963.2	1953.6	1926.8	1894.1	1863.4	1830.8	1796.3	1765.6
172.5°	2006.2	1996.6	1969.4	1957.1	1952.1	1928.3	1901.8	1878.8	1850.8	1825.4	1800.9
175°	1978.6	1970.9	1947.9	1940.2	1942.1	1926.8	1907.6	1894.1	1876.9	1861.5	1848.1
177.5°	1938.3	1933.7	1916.8	1916.8	1922.9	1913.7	1907.6	1901.4	1893.8	1889.2	1884.6
180°	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9



TEST NUMBER: P1435842

CATALOG NUMBER: SQ2W-FA-K-125U-075D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8
2.5°	1247.6	1240.6	1235.3	1230.9	1229.2	1227.4	1229.2	1230.9	1235.3	1240.6	1247.6
5°	1175.0	1137.8	1098.4	1066.1	1055.1	1044.2	1055.1	1066.1	1098.4	1137.8	1175.0
7.5°	1045.3	1000.4	983.8	970.4	966.9	963.4	966.9	970.4	983.8	1000.4	1045.3
10°	994.9	958.8	945.7	935.8	935.8	935.8	935.8	935.8	945.7	958.8	994.9
12.5°	955.5	933.4	932.6	934.1	942.8	951.6	942.8	934.1	932.6	933.4	955.5
15°	925.4	928.7	963.7	992.8	1003.7	1014.6	1003.7	992.8	963.7	928.7	925.4
17.5°	915.0	933.9	977.2	1011.9	1020.7	1029.4	1020.7	1011.9	977.2	933.9	915.0
20°	928.2	952.3	985.1	1011.9	1020.7	1029.4	1020.7	1011.9	985.1	952.3	928.2
22.5°	931.2	960.6	986.4	1008.0	1016.7	1025.5	1016.7	1008.0	986.4	960.6	931.2
25°	921.6	956.6	978.5	996.0	1000.4	1004.8	1000.4	996.0	978.5	956.6	921.6
27.5°	898.4	936.9	958.8	976.0	979.1	982.1	979.1	976.0	958.8	936.9	898.4
30°	877.8	917.2	939.1	957.2	963.7	970.3	963.7	957.2	939.1	917.2	877.8
32.5°	848.1	888.3	915.5	936.2	937.5	938.8	937.5	936.2	915.5	888.3	848.1
35°	811.1	852.7	883.3	905.7	903.5	901.4	903.5	905.7	883.3	852.7	811.1
37.5°	778.4	819.2	845.9	866.6	869.2	871.8	869.2	866.6	845.9	819.2	778.4
40°	750.9	792.5	820.9	843.3	847.7	852.1	847.7	843.3	820.9	792.5	750.9
42.5°	726.3	768.8	797.3	819.7	824.1	828.5	824.1	819.7	797.3	768.8	726.3
45°	685.7	729.5	760.2	783.7	785.9	788.1	785.9	783.7	760.2	729.5	685.7
47.5°	648.0	692.0	720.4	742.3	744.5	746.7	744.5	742.3	720.4	692.0	648.0
50°	619.5	664.4	692.8	714.7	716.9	719.1	716.9	714.7	692.8	664.4	619.5
52.5°	592.4	639.0	664.0	683.2	685.4	687.6	685.4	683.2	664.0	639.0	592.4
55°	544.0	593.2	617.3	635.4	635.4	635.4	635.4	635.4	617.3	593.2	544.0
57.5°	493.9	544.4	565.4	581.9	584.5	587.1	584.5	581.9	565.4	544.4	493.9
60°	459.7	511.2	528.7	542.9	547.3	551.7	547.3	542.9	528.7	511.2	459.7
62.5°	426.0	475.7	493.2	507.0	509.6	512.2	509.6	507.0	493.2	475.7	426.0
65°	373.8	417.6	435.1	448.8	451.0	453.1	451.0	448.8	435.1	417.6	373.8
67.5°	325.8	361.7	374.0	383.6	385.4	387.1	385.4	383.6	374.0	361.7	325.8
70°	293.9	324.5	333.3	339.9	339.9	339.9	339.9	339.9	333.3	324.5	293.9
72.5°	255.8	281.2	289.9	297.0	298.7	300.5	298.7	297.0	289.9	281.2	255.8
75°	201.4	220.0	226.6	232.0	234.2	236.4	234.2	232.0	226.6	220.0	201.4
77.5°	147.3	159.6	163.5	167.0	169.2	171.4	169.2	167.0	163.5	159.6	147.3
80°	110.5	119.3	121.5	123.7	125.9	128.1	125.9	123.7	121.5	119.3	110.5
82.5°	77.7	83.8	86.0	87.8	88.2	88.7	88.2	87.8	86.0	83.8	77.7
85°	37.2	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	37.2
87.5°	16.7	19.4	22.1	23.6	25.2	24.4	25.2	23.6	22.1	19.4	16.7
90°	44.1	57.6	71.0	78.7	86.4	82.5	86.4	78.7	71.0	57.6	44.1
92.5°	88.7	111.3	127.8	141.6	147.8	147.0	147.8	141.6	127.8	111.3	88.7
95°	178.5	205.3	232.2	251.4	262.9	259.1	262.9	251.4	232.2	205.3	178.5
97.5°	275.2	311.3	341.2	359.3	370.8	378.4	370.8	359.3	341.2	311.3	275.2
100°	339.7	374.2	408.8	429.9	449.1	456.7	449.1	429.9	408.8	374.2	339.7
102.5°	391.9	437.2	474.8	497.4	513.5	521.2	513.5	497.4	474.8	437.2	391.9
105°	477.9	525.8	566.1	594.9	612.2	617.9	612.2	594.9	566.1	525.8	477.9
107.5°	563.8	613.3	650.6	682.4	703.5	715.8	703.5	682.4	650.6	613.3	563.8
110°	631.4	671.7	712.0	740.8	761.9	769.6	761.9	740.8	712.0	671.7	631.4



TEST NUMBER: P1435842

CATALOG NUMBER: SQ2W-FA-K-125U-075D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	688.2	733.1	773.4	802.2	826.4	837.1	826.4	802.2	773.4	733.1	688.2
115°	767.6	827.1	863.6	890.5	907.7	917.3	907.7	890.5	863.6	827.1	767.6
117.5°	833.7	895.8	935.8	956.5	964.5	971.4	964.5	956.5	935.8	895.8	833.7
120°	875.1	932.7	978.7	1005.6	1015.2	1019.0	1015.2	1005.6	978.7	932.7	875.1
122.5°	913.5	968.0	1012.5	1045.5	1061.3	1065.1	1061.3	1045.5	1012.5	968.0	913.5
125°	967.2	1019.0	1065.1	1097.7	1115.0	1124.6	1115.0	1097.7	1065.1	1019.0	967.2
127.5°	1014.1	1070.1	1112.3	1141.9	1158.7	1166.4	1158.7	1141.9	1112.3	1070.1	1014.1
130°	1040.1	1097.7	1139.9	1172.6	1187.9	1195.6	1187.9	1172.6	1139.9	1097.7	1040.1
132.5°	1060.1	1120.8	1164.5	1194.1	1210.9	1218.6	1210.9	1194.1	1164.5	1120.8	1060.1
135°	1084.3	1147.6	1193.7	1222.5	1237.8	1245.5	1237.8	1222.5	1193.7	1147.6	1084.3
137.5°	1105.4	1163.0	1210.9	1241.3	1255.1	1260.1	1255.1	1241.3	1210.9	1163.0	1105.4
140°	1120.8	1170.6	1218.6	1247.4	1262.8	1264.7	1262.8	1247.4	1218.6	1170.6	1120.8
142.5°	1140.7	1179.9	1221.7	1250.5	1265.8	1269.3	1265.8	1250.5	1221.7	1179.9	1140.7
145°	1176.4	1199.4	1228.2	1255.1	1268.5	1272.4	1268.5	1255.1	1228.2	1199.4	1176.4
147.5°	1221.3	1228.6	1243.6	1261.2	1274.3	1277.0	1274.3	1261.2	1243.6	1228.6	1221.3
150°	1255.1	1253.2	1258.9	1270.4	1282.0	1280.0	1282.0	1270.4	1258.9	1253.2	1255.1
152.5°	1293.5	1282.3	1282.0	1287.3	1292.7	1292.3	1292.7	1287.3	1282.0	1282.3	1293.5
155°	1358.7	1337.6	1326.1	1322.3	1322.3	1320.3	1322.3	1322.3	1326.1	1337.6	1358.7
157.5°	1430.5	1400.9	1383.7	1374.5	1371.8	1367.5	1371.8	1374.5	1383.7	1400.9	1430.5
160°	1479.6	1447.0	1429.7	1414.4	1408.6	1402.9	1408.6	1414.4	1429.7	1447.0	1479.6
162.5°	1525.7	1494.6	1475.8	1462.0	1456.2	1447.4	1456.2	1462.0	1475.8	1494.6	1525.7
165°	1600.5	1567.9	1546.8	1535.3	1527.6	1519.9	1527.6	1535.3	1546.8	1567.9	1600.5
167.5°	1675.4	1639.7	1625.9	1612.8	1605.5	1591.7	1605.5	1612.8	1625.9	1639.7	1675.4
170°	1721.4	1688.8	1681.1	1669.6	1656.2	1640.8	1656.2	1669.6	1681.1	1688.8	1721.4
172.5°	1761.3	1739.5	1731.8	1720.3	1716.1	1703.8	1716.1	1720.3	1731.8	1739.5	1761.3
175°	1819.3	1802.0	1802.0	1800.1	1794.4	1782.8	1794.4	1800.1	1802.0	1802.0	1819.3
177.5°	1867.7	1858.5	1864.6	1864.6	1863.1	1852.3	1863.1	1864.6	1864.6	1858.5	1867.7
180°	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9



TEST NUMBER: P1435842

CATALOG NUMBER: SQ2W-FA-K-125U-075D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1270.8	1270.8	1270.8	1270.8
2.5°	1256.3	1262.9	1262.9	1262.9
5°	1210.0	1237.9	1244.5	1251.1
7.5°	1118.4	1180.6	1209.9	1239.2
10°	1054.0	1113.2	1172.3	1231.4
12.5°	998.9	1052.3	1135.9	1219.5
15°	953.9	998.8	1092.9	1187.0
17.5°	920.7	949.6	1048.1	1146.6
20°	912.9	926.0	1024.5	1123.0
22.5°	898.4	898.0	994.7	1091.5
25°	873.4	858.7	944.0	1029.4
27.5°	843.2	818.7	886.1	953.6
30°	820.9	792.5	849.4	906.3
32.5°	794.6	764.9	806.0	847.2
35°	758.5	723.5	741.0	758.5
37.5°	723.7	681.2	675.6	669.9
40°	696.1	650.2	630.5	610.8
42.5°	669.9	622.1	600.7	579.2
45°	628.8	582.8	569.7	556.6
47.5°	588.4	541.4	531.7	522.1
50°	558.2	509.0	495.8	482.7
52.5°	524.1	470.9	463.0	455.1
55°	469.6	415.4	421.9	428.5
57.5°	413.7	355.1	360.8	366.5
60°	374.3	313.0	324.0	334.9
62.5°	344.1	284.6	292.0	299.5
65°	303.7	250.1	245.7	241.3
67.5°	266.3	218.0	203.6	189.1
70°	241.3	197.0	177.3	157.6
72.5°	213.8	177.3	157.6	137.9
75°	170.7	142.8	123.1	103.4
77.5°	126.7	107.3	91.1	74.9
80°	95.2	81.0	70.1	59.1
82.5°	67.6	57.8	48.6	39.4
85°	32.8	28.5	24.1	19.7
87.5°	14.8	11.7	8.4	5.1
90°	34.5	21.1	13.4	5.8
92.5°	74.5	51.8	36.5	21.1
95°	149.7	119.0	84.4	59.5
97.5°	238.4	188.8	154.7	113.6
100°	285.9	238.0	205.3	161.2
102.5°	338.1	297.8	252.9	208.8
105°	431.8	381.9	330.1	280.2
107.5°	518.5	463.7	401.5	356.6
110°	573.8	514.3	449.1	408.8



TEST NUMBER: P1435842

CATALOG NUMBER: SQ2W-FA-K-125U-075D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	627.5	566.5	499.7	459.4
115°	700.5	633.3	571.9	537.3
117.5°	770.7	701.6	636.8	609.5
120°	813.7	744.6	681.3	660.2
122.5°	849.0	781.5	722.7	713.9
125°	902.0	832.9	783.0	794.5
127.5°	945.0	881.6	850.2	875.9
130°	971.1	915.4	896.2	932.7
132.5°	994.1	950.7	942.3	992.6
135°	1028.6	1003.7	1011.4	1080.5
137.5°	1069.7	1060.1	1085.8	1173.0
140°	1095.8	1101.6	1138.0	1235.9
142.5°	1131.1	1144.5	1191.8	1295.8
145°	1186.0	1214.8	1276.2	1379.8
147.5°	1248.2	1285.4	1361.4	1467.7
150°	1289.6	1337.6	1418.2	1519.9
152.5°	1337.2	1386.7	1467.3	1570.6
155°	1410.5	1466.2	1550.6	1638.9
157.5°	1485.4	1542.2	1622.8	1699.9
160°	1531.4	1592.8	1665.8	1736.8
162.5°	1583.6	1640.4	1704.2	1767.5
165°	1660.0	1706.1	1757.9	1811.6
167.5°	1724.1	1762.5	1803.2	1845.0
170°	1765.6	1796.3	1830.8	1863.4
172.5°	1800.9	1825.4	1850.8	1878.8
175°	1848.1	1861.5	1876.9	1894.1
177.5°	1884.6	1889.2	1893.8	1901.4
180°	1899.9	1899.9	1899.9	1899.9



TEST NUMBER: P1435842
 CATALOG NUMBER: SQ2W-FA-K-125U-075D-L835-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	15.45	16.20	16.52	17.27	18.73	16.65	17.40	17.72	18.47	19.93
	3H	16.53	17.21	17.61	18.28	19.76	17.89	18.56	18.96	19.64	21.11
	4H	16.88	17.52	17.97	18.60	20.08	18.27	18.91	19.36	19.99	21.47
	6H	17.04	17.62	18.13	18.70	20.20	18.43	19.01	19.52	20.09	21.59
	8H	17.07	17.63	18.17	18.72	20.21	18.45	19.01	19.55	20.10	21.59
	12H	17.06	17.59	18.17	18.68	20.19	18.43	18.96	19.53	20.05	21.56
4H	2H	16.31	16.94	17.40	18.02	19.50	17.22	17.86	18.32	18.94	20.42
	3H	17.69	18.22	18.79	19.32	20.81	18.68	19.21	19.78	20.31	21.80
	4H	18.14	18.62	19.24	19.72	21.23	19.15	19.63	20.25	20.73	22.24
	6H	18.36	18.78	19.47	19.90	21.40	19.36	19.78	20.48	20.90	22.40
	8H	18.41	18.80	19.53	19.91	21.44	19.41	19.80	20.52	20.91	22.43
	12H	18.41	18.76	19.54	19.89	21.41	19.39	19.74	20.52	20.87	22.39
8H	4H	18.51	18.90	19.62	20.01	21.53	19.33	19.72	20.45	20.83	22.35
	6H	18.86	19.18	19.99	20.33	21.85	19.64	19.96	20.78	21.12	22.64
	8H	18.97	19.25	20.11	20.39	21.93	19.74	20.02	20.88	21.15	22.69
	12H	19.01	19.25	20.15	20.38	21.96	19.75	19.99	20.89	21.12	22.70
12H	4H	18.51	18.86	19.64	19.98	21.51	19.30	19.65	20.43	20.77	22.30
	6H	18.93	19.21	20.07	20.34	21.88	19.66	19.94	20.80	21.07	22.61
	8H	19.07	19.31	20.21	20.44	22.02	19.77	20.02	20.91	21.15	22.72