

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: P1435805

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

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1435805
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-075U-125D-L830-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS ASYMMETRIC ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 750 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

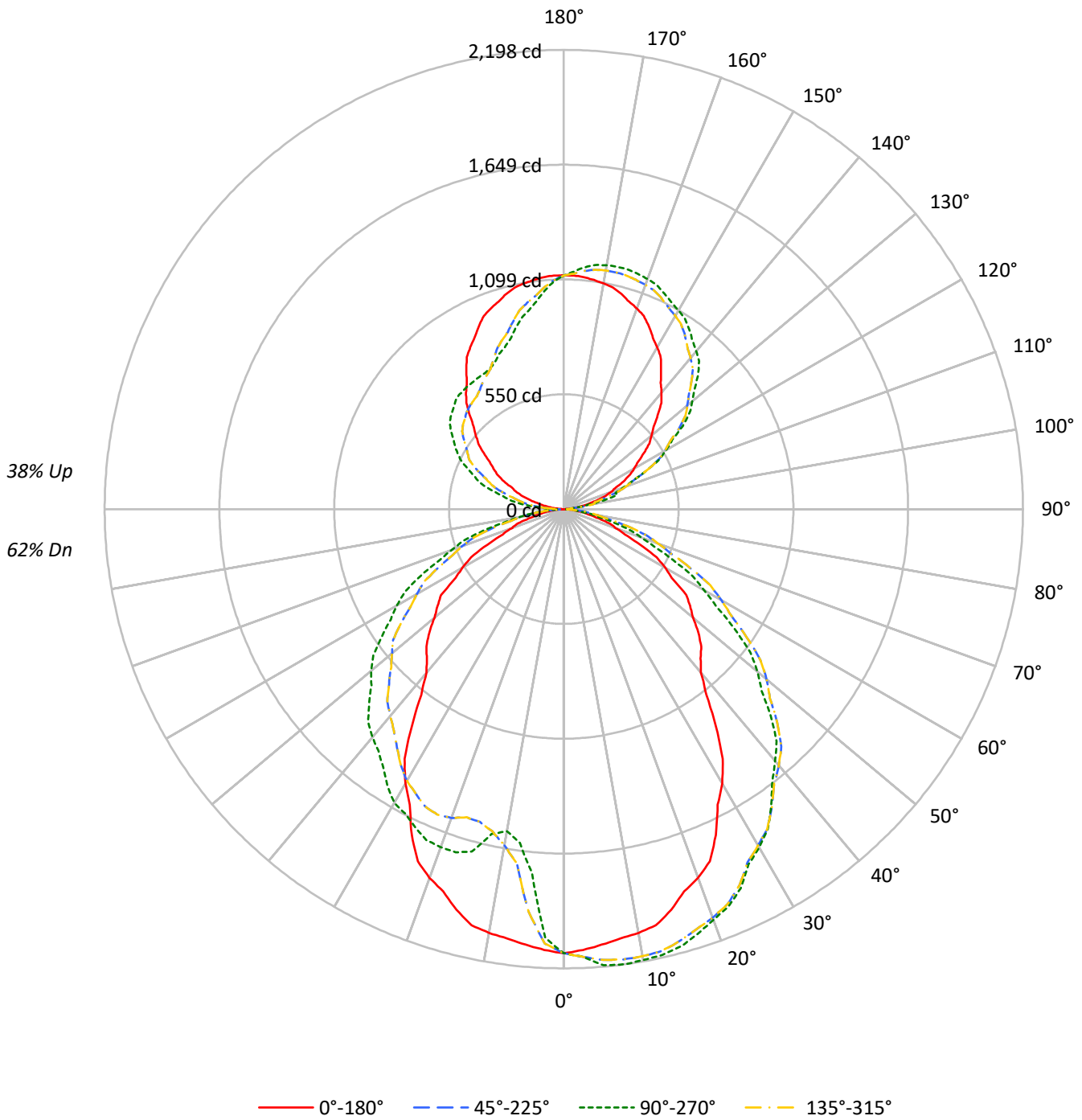
Lumens per Lamp: N/A
Luminaire Lumens: 8548.0 lumens
Efficiency: N/A
Efficacy: 117.4 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.23 / 1.34
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 72.8
Input Voltage (V): 120
Input Current (A_{in}): 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	110	110	110	110	103	103	103	103	90	90	90	78	78	78	67	67	67	62
1	101	96	92	89	94	90	87	84	79	77	74	69	67	65	59	58	57	52
2	92	84	78	73	86	79	74	69	69	65	62	61	57	55	52	50	48	44
3	84	74	67	61	78	70	63	58	61	56	52	54	50	46	46	43	41	37
4	77	66	57	51	71	62	54	49	54	49	44	48	43	40	42	38	35	32
5	70	58	50	44	66	55	48	42	49	43	38	43	38	34	37	34	31	28
6	65	52	44	38	60	50	42	37	44	38	33	39	34	30	34	30	27	24
7	60	47	39	34	56	45	37	32	40	34	29	35	30	27	31	27	24	22
8	56	43	35	30	52	41	34	29	36	30	26	32	27	24	28	24	22	19
9	52	39	32	27	49	37	30	26	33	28	23	30	25	21	26	22	19	17
10	49	36	29	24	45	34	28	23	31	25	21	27	23	19	24	20	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	34317	34317	34317	34317
5°	33914	35517	33914	28306
10°	33766	35927	33766	25662
15°	33188	36217	33188	28367
20°	32274	35953	32274	29584
25°	30673	35663	30673	29939
30°	28261	34865	28261	30258
35°	25006	34100	25006	29715
40°	21532	33164	21532	30038
45°	21255	31978	21255	30097
50°	20280	30418	20280	30212
55°	20174	28059	20174	29917
60°	18089	25006	18089	29795
65°	15423	22032	15423	28955
70°	12444	18665	12444	26832
75°	10792	15421	10792	24666
80°	9196	11492	9196	19916
85°	6113	6113	6113	12208

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 32983 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.2	2.2
10°-20°	534.4	6.3
20°-30°	811.5	9.5
30°-40°	952.8	11.1
40°-50°	966.9	11.3
50°-60°	846.9	9.9
60°-70°	600.7	7.0
70°-80°	309.3	3.6
80°-90°	69.5	0.8
90°-100°	89.0	1.0
100°-110°	259.5	3.0
110°-120°	423.5	5.0
120°-130°	537.4	6.3
130°-140°	575.1	6.7
140°-150°	537.0	6.3
150°-160°	441.9	5.2
160°-170°	296.3	3.5
170°-180°	105.2	1.2
0°-30°	1537.1	18.0
0°-40°	2489.9	29.1
0°-60°	4303.7	50.3
0°-90°	5283.2	61.8
90°-120°	772.0	9.0
90°-150°	2421.5	28.3
90°-180°	3265.0	38.2
0°-180°	8548.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2126	2126	2126	2126	2126	
5°	2092	2191	2092	1746	2092	199
15°	1986	2167	1986	1697	1986	558
25°	1722	2002	1722	1681	1722	786
35°	1269	1730	1269	1508	1269	790
45°	931	1400	931	1318	931	712
55°	717	997	717	1063	717	620
65°	404	577	404	758	404	403
75°	173	247	173	395	173	187
85°	33	33	33	66	33	41
90°	3	25	3	49	3	4
95°	35	26	35	152	35	42
105°	165	264	165	364	165	175
115°	316	438	316	540	316	312
125°	468	695	468	662	468	418
135°	636	909	636	733	636	491
145°	812	1048	812	749	812	508
155°	965	1138	965	777	965	443
165°	1066	1187	1066	894	1066	300
175°	1115	1162	1115	1049	1115	106
180°	1118	1118	1118	1118	1118	

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2125.5	2125.5	2125.5	2125.5	2125.5	2125.5	2125.5	2125.5	2125.5	2125.5	2125.5
2.5°	2112.3	2127.0	2141.6	2145.3	2145.3	2145.3	2145.3	2145.3	2145.3	2145.3	2145.3
5°	2092.5	2118.2	2143.8	2155.7	2163.0	2168.5	2172.2	2176.8	2184.1	2191.4	2184.1
7.5°	2072.8	2107.2	2141.6	2158.5	2169.4	2178.2	2184.8	2190.7	2194.3	2198.0	2194.3
10°	2059.6	2099.9	2140.1	2158.5	2169.4	2176.8	2180.4	2184.1	2187.7	2191.4	2187.7
12.5°	2039.8	2083.0	2126.2	2147.5	2161.4	2170.2	2173.8	2177.5	2181.2	2184.8	2181.2
15°	1985.5	2044.0	2102.6	2125.5	2136.5	2145.6	2153.0	2159.4	2163.0	2166.7	2163.0
17.5°	1917.9	1988.9	2060.0	2088.7	2103.4	2114.0	2120.6	2126.2	2129.2	2132.1	2129.2
20°	1878.4	1955.2	2032.1	2062.3	2077.0	2086.1	2089.8	2092.5	2092.5	2092.5	2092.5
22.5°	1825.6	1911.3	1997.0	2029.4	2044.0	2051.7	2052.5	2053.7	2056.7	2059.6	2056.7
25°	1721.8	1820.7	1919.5	1960.7	1982.7	1991.9	1988.2	1987.3	1994.6	2001.9	1994.6
27.5°	1595.0	1719.4	1843.9	1886.0	1900.7	1909.8	1913.5	1916.2	1916.2	1916.2	1916.2
30°	1515.9	1655.0	1794.1	1839.9	1854.6	1863.7	1867.4	1870.1	1870.1	1870.1	1870.1
32.5°	1417.0	1582.5	1748.0	1798.2	1809.9	1816.1	1816.8	1817.4	1817.4	1817.4	1817.4
35°	1268.7	1470.1	1671.5	1727.3	1734.6	1738.3	1738.3	1737.4	1733.7	1730.1	1733.7
37.5°	1120.4	1348.9	1577.4	1642.7	1653.7	1656.6	1651.5	1646.8	1643.1	1639.4	1643.1
40°	1021.6	1270.5	1519.5	1590.0	1601.0	1601.0	1590.0	1580.9	1577.2	1573.5	1577.2
42.5°	968.8	1214.9	1460.9	1530.7	1541.7	1540.2	1526.3	1514.9	1511.3	1507.6	1511.3
45°	930.9	1150.6	1370.3	1433.5	1444.5	1442.6	1428.0	1415.2	1407.8	1400.5	1407.8
47.5°	873.3	1066.6	1259.9	1322.0	1340.3	1338.5	1316.5	1298.2	1290.9	1283.5	1290.9
50°	807.4	997.8	1188.2	1249.5	1267.8	1266.0	1244.0	1225.7	1218.4	1211.0	1218.4
52.5°	761.2	939.9	1118.6	1174.8	1190.2	1185.4	1160.5	1140.0	1132.7	1125.4	1132.7
55°	716.7	866.9	1017.0	1062.8	1073.7	1066.4	1040.8	1018.8	1007.8	996.8	1007.8
57.5°	612.9	755.7	898.5	943.0	954.7	945.9	916.7	891.6	879.1	866.7	879.1
60°	560.2	688.4	816.5	859.5	874.2	866.9	837.6	811.0	792.7	774.4	792.7
62.5°	500.9	614.4	727.9	771.7	792.2	787.8	758.5	731.9	713.6	695.3	713.6
65°	403.7	502.5	601.4	645.3	671.0	669.1	639.8	613.3	595.0	576.7	595.0
67.5°	316.4	401.3	486.2	529.5	558.7	557.3	525.1	497.2	482.6	467.9	482.6
70°	263.6	336.9	410.1	450.4	479.7	479.7	450.4	424.7	410.1	395.4	410.1
72.5°	230.7	286.3	342.0	380.1	412.3	412.3	380.1	353.0	341.3	329.5	341.3
75°	173.0	206.0	238.9	274.6	311.2	314.9	285.6	261.8	254.5	247.2	254.5
77.5°	125.2	140.6	156.0	184.0	216.2	219.9	195.0	175.6	172.6	169.7	172.6
80°	98.9	102.5	106.2	129.1	158.4	162.0	140.1	123.6	123.6	123.6	123.6
82.5°	65.9	69.6	73.2	89.5	110.0	112.2	96.1	83.3	80.4	77.4	80.4
85°	33.0	33.0	33.0	38.4	45.8	45.8	38.4	33.0	33.0	33.0	33.0
87.5°	7.3	8.2	9.3	12.4	16.0	16.2	13.3	11.3	11.6	11.6	11.6
90°	3.4	7.9	13.6	18.1	21.5	22.6	22.6	23.7	24.8	24.8	24.8
92.5°	12.4	19.7	19.9	19.9	24.2	26.2	28.0	28.2	29.4	29.4	29.4
95°	35.0	38.4	57.6	56.5	38.4	30.5	26.0	26.0	26.0	26.0	26.0
97.5°	66.9	71.8	75.0	100.5	106.2	102.6	83.6	70.3	62.8	59.4	62.8
100°	94.9	97.1	103.9	105.0	133.3	160.4	146.8	129.9	124.2	120.9	124.2
102.5°	122.9	124.2	134.6	139.4	145.9	161.3	208.3	203.1	199.2	198.6	199.2
105°	164.9	166.0	185.2	194.3	198.8	198.8	197.7	220.2	256.4	264.3	256.4
107.5°	209.9	215.1	237.6	261.8	267.0	268.4	262.5	259.1	257.7	258.7	257.7
110°	240.6	248.5	275.6	306.1	314.0	316.3	314.0	310.6	308.3	308.3	308.3

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	270.4	281.9	312.6	347.7	361.0	367.8	362.8	360.3	358.0	359.9	358.0
115°	316.3	333.2	373.9	410.0	437.1	440.5	439.4	439.4	438.2	438.2	438.2
117.5°	358.7	385.8	431.5	473.5	504.9	513.9	518.4	517.1	515.7	518.0	515.7
120°	388.5	420.2	472.1	519.6	550.1	563.6	568.1	565.9	568.1	565.9	568.1
122.5°	420.2	459.0	510.1	559.3	595.2	610.6	616.0	616.5	616.9	615.6	616.9
125°	467.6	515.0	574.9	625.7	663.0	681.1	685.6	686.7	689.0	694.6	689.0
127.5°	515.5	569.3	635.0	684.0	722.2	744.1	751.1	753.6	758.3	760.8	758.3
130°	548.9	609.9	676.6	722.9	760.1	783.9	796.3	799.7	805.3	804.2	805.3
132.5°	584.2	647.9	715.4	763.5	798.1	823.6	834.2	843.9	846.0	847.6	846.0
135°	635.9	704.8	772.6	820.0	852.8	877.6	891.2	900.2	905.8	909.2	905.8
137.5°	690.3	763.1	828.1	870.4	903.4	924.8	940.2	949.7	955.5	958.2	955.5
140°	727.4	797.4	860.7	904.7	934.1	955.5	969.1	980.4	987.2	987.2	987.2
142.5°	762.6	831.7	893.2	937.2	963.0	982.6	997.1	1005.7	1013.4	1013.4	1013.4
145°	812.1	881.0	937.5	981.5	1003.0	1021.0	1036.9	1043.6	1048.2	1048.2	1048.2
147.5°	863.8	924.8	976.3	1018.6	1036.6	1057.9	1070.3	1075.7	1081.4	1078.9	1081.4
150°	894.5	951.0	1000.7	1040.2	1058.3	1078.7	1091.1	1095.6	1101.2	1097.9	1101.2
152.5°	924.4	978.1	1023.3	1060.1	1075.5	1095.8	1110.1	1114.6	1118.4	1115.9	1118.4
155°	964.6	1012.0	1053.8	1087.7	1101.2	1120.4	1134.0	1139.6	1144.2	1138.5	1144.2
157.5°	1000.5	1041.4	1077.7	1108.9	1123.4	1139.9	1152.5	1159.5	1164.0	1161.6	1164.0
160°	1022.2	1059.4	1092.2	1121.6	1135.1	1149.8	1163.4	1171.3	1175.8	1172.4	1175.8
162.5°	1040.2	1073.9	1104.9	1131.5	1143.3	1156.1	1172.4	1179.4	1183.9	1179.6	1183.9
165°	1066.2	1093.3	1120.4	1143.0	1153.2	1163.4	1180.3	1188.2	1191.6	1187.1	1191.6
167.5°	1085.9	1106.7	1128.6	1148.0	1155.5	1165.4	1182.3	1188.9	1193.2	1187.5	1193.2
170°	1096.7	1114.8	1134.0	1149.8	1155.5	1164.5	1181.4	1187.1	1190.5	1184.8	1190.5
172.5°	1105.8	1119.3	1134.9	1148.9	1151.8	1159.1	1175.1	1180.8	1183.2	1178.5	1183.2
175°	1114.8	1122.7	1134.0	1143.0	1141.9	1146.4	1160.0	1164.5	1169.0	1162.2	1169.0
177.5°	1119.1	1122.7	1126.3	1131.7	1128.1	1128.1	1138.1	1140.8	1141.7	1138.1	1141.7
180°	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2125.5	2125.5	2125.5	2125.5	2125.5	2125.5	2125.5	2125.5	2125.5	2125.5	2125.5
2.5°	2145.3	2145.3	2145.3	2145.3	2145.3	2141.6	2127.0	2112.3	2112.3	2112.3	2101.3
5°	2176.8	2172.2	2168.5	2163.0	2155.7	2143.8	2118.2	2092.5	2081.6	2070.6	2023.9
7.5°	2190.7	2184.8	2178.2	2169.4	2158.5	2141.6	2107.2	2072.8	2023.7	1974.6	1870.7
10°	2184.1	2180.4	2176.8	2169.4	2158.5	2140.1	2099.9	2059.6	1960.7	1861.9	1763.0
12.5°	2177.5	2173.8	2170.2	2161.4	2147.5	2126.2	2083.0	2039.8	1900.0	1760.1	1670.7
15°	2159.4	2153.0	2145.6	2136.5	2125.5	2102.6	2044.0	1985.5	1828.0	1670.6	1595.5
17.5°	2126.2	2120.6	2114.0	2103.4	2088.7	2060.0	1988.9	1917.9	1753.1	1588.4	1540.0
20°	2092.5	2089.8	2086.1	2077.0	2062.3	2032.1	1955.2	1878.4	1713.6	1548.8	1526.8
22.5°	2053.7	2052.5	2051.7	2044.0	2029.4	1997.0	1911.3	1825.6	1663.8	1501.9	1502.7
25°	1987.3	1988.2	1991.9	1982.7	1960.7	1919.5	1820.7	1721.8	1579.0	1436.2	1460.9
27.5°	1916.2	1913.5	1909.8	1900.7	1886.0	1843.9	1719.4	1595.0	1482.2	1369.4	1410.4
30°	1870.1	1867.4	1863.7	1854.6	1839.9	1794.1	1655.0	1515.9	1420.7	1325.5	1373.1
32.5°	1817.4	1816.8	1816.1	1809.9	1798.2	1748.0	1582.5	1417.0	1348.2	1279.3	1329.1
35°	1737.4	1738.3	1738.3	1734.6	1727.3	1671.5	1470.1	1268.7	1239.4	1210.1	1268.7
37.5°	1646.8	1651.5	1656.6	1653.7	1642.7	1577.4	1348.9	1120.4	1129.9	1139.5	1210.5
40°	1580.9	1590.0	1601.0	1601.0	1590.0	1519.5	1270.5	1021.6	1054.5	1087.5	1164.4
42.5°	1514.9	1526.3	1540.2	1541.7	1530.7	1460.9	1214.9	968.8	1004.7	1040.6	1120.4
45°	1415.2	1428.0	1442.6	1444.5	1433.5	1370.3	1150.6	930.9	952.9	974.9	1051.8
47.5°	1298.2	1316.5	1338.5	1340.3	1322.0	1259.9	1066.6	873.3	889.4	905.5	984.2
50°	1225.7	1244.0	1266.0	1267.8	1249.5	1188.2	997.8	807.4	829.3	851.3	933.7
52.5°	1140.0	1160.5	1185.4	1190.2	1174.8	1118.6	939.9	761.2	774.4	787.6	876.6
55°	1018.8	1040.8	1066.4	1073.7	1062.8	1017.0	866.9	716.7	705.8	694.8	785.4
57.5°	891.6	916.7	945.9	954.7	943.0	898.5	755.7	612.9	603.4	593.9	692.0
60°	811.0	837.6	866.9	874.2	859.5	816.5	688.4	560.2	541.9	523.6	626.1
62.5°	731.9	758.5	787.8	792.2	771.7	727.9	614.4	500.9	488.4	476.0	575.6
65°	613.3	639.8	669.1	671.0	645.3	601.4	502.5	403.7	411.0	418.3	508.0
67.5°	497.2	525.1	557.3	558.7	529.5	486.2	401.3	316.4	340.5	364.7	445.4
70°	424.7	450.4	479.7	479.7	450.4	410.1	336.9	263.6	296.6	329.5	403.7
72.5°	353.0	380.1	412.3	412.3	380.1	342.0	286.3	230.7	263.6	296.6	357.5
75°	261.8	285.6	314.9	311.2	274.6	238.9	206.0	173.0	206.0	238.9	285.6
77.5°	175.6	195.0	219.9	216.2	184.0	156.0	140.6	125.2	152.3	179.4	212.0
80°	123.6	140.1	162.0	158.4	129.1	106.2	102.5	98.9	117.2	135.5	159.3
82.5°	83.3	96.1	112.2	110.0	89.5	73.2	69.6	65.9	81.3	96.7	113.1
85°	33.0	38.4	45.8	45.8	38.4	33.0	33.0	33.0	40.3	47.6	54.9
87.5°	11.3	13.3	16.2	16.0	12.4	9.3	8.2	7.3	11.1	14.9	17.2
90°	23.7	22.6	22.6	21.5	18.1	13.6	7.9	3.4	7.9	12.4	20.3
92.5°	28.2	28.0	26.2	24.2	19.9	19.9	19.7	12.4	21.5	30.5	43.8
95°	26.0	26.0	30.5	38.4	56.5	57.6	38.4	35.0	49.7	70.0	88.1
97.5°	70.3	83.6	102.6	106.2	100.5	75.0	71.8	66.9	91.0	111.1	140.3
100°	129.9	146.8	160.4	133.3	105.0	103.9	97.1	94.9	120.9	140.1	168.3
102.5°	203.1	208.3	161.3	145.9	139.4	134.6	124.2	122.9	148.9	175.3	199.0
105°	220.2	197.7	198.8	198.8	194.3	185.2	166.0	164.9	194.3	224.8	254.1
107.5°	259.1	262.5	268.4	267.0	261.8	237.6	215.1	209.9	236.3	272.9	305.2
110°	310.6	314.0	316.3	314.0	306.1	275.6	248.5	240.6	264.3	302.7	337.7

TEST NUMBER: P1435805

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	360.3	362.8	367.8	361.0	347.7	312.6	281.9	270.4	294.1	333.4	369.3
115°	439.4	439.4	440.5	437.1	410.0	373.9	333.2	316.3	336.6	372.7	412.3
117.5°	517.1	518.4	513.9	504.9	473.5	431.5	385.8	358.7	374.8	412.9	453.6
120°	565.9	568.1	563.6	550.1	519.6	472.1	420.2	388.5	401.0	438.2	478.9
122.5°	616.5	616.0	610.6	595.2	559.3	510.1	459.0	420.2	425.4	459.9	499.7
125°	686.7	685.6	681.1	663.0	625.7	574.9	515.0	467.6	460.8	490.2	530.9
127.5°	753.6	751.1	744.1	722.2	684.0	635.0	569.3	515.5	500.4	518.9	556.2
130°	799.7	796.3	783.9	760.1	722.9	676.6	609.9	548.9	527.5	538.8	571.5
132.5°	843.9	834.2	823.6	798.1	763.5	715.4	647.9	584.2	554.6	559.5	585.1
135°	900.2	891.2	877.6	852.8	820.0	772.6	704.8	635.9	595.2	590.7	605.4
137.5°	949.7	940.2	924.8	903.4	870.4	828.1	763.1	690.3	639.1	623.9	629.6
140°	980.4	969.1	955.5	934.1	904.7	860.7	797.4	727.4	669.8	648.3	644.9
142.5°	1005.7	997.1	982.6	963.0	937.2	893.2	831.7	762.6	701.4	673.6	665.7
145°	1043.6	1036.9	1021.0	1003.0	981.5	937.5	881.0	812.1	751.1	715.0	698.0
147.5°	1075.7	1070.3	1057.9	1036.6	1018.6	976.3	924.8	863.8	801.3	756.5	734.6
150°	1095.6	1091.1	1078.7	1058.3	1040.2	1000.7	951.0	894.5	834.7	787.2	759.0
152.5°	1114.6	1110.1	1095.8	1075.5	1060.1	1023.3	978.1	924.4	863.6	816.2	787.0
155°	1139.6	1134.0	1120.4	1101.2	1087.7	1053.8	1012.0	964.6	912.6	862.9	830.2
157.5°	1159.5	1152.5	1139.9	1123.4	1108.9	1077.7	1041.4	1000.5	955.1	907.6	874.2
160°	1171.3	1163.4	1149.8	1135.1	1121.6	1092.2	1059.4	1022.2	980.4	937.5	901.3
162.5°	1179.4	1172.4	1156.1	1143.3	1131.5	1104.9	1073.9	1040.2	1003.0	965.5	932.0
165°	1188.2	1180.3	1163.4	1153.2	1143.0	1120.4	1093.3	1066.2	1034.6	1004.1	977.0
167.5°	1188.9	1182.3	1165.4	1155.5	1148.0	1128.6	1106.7	1085.9	1061.3	1037.3	1014.7
170°	1187.1	1181.4	1164.5	1155.5	1149.8	1134.0	1114.8	1096.7	1077.5	1057.2	1039.1
172.5°	1180.8	1175.1	1159.1	1151.8	1148.9	1134.9	1119.3	1105.8	1089.3	1074.4	1059.9
175°	1164.5	1160.0	1146.4	1141.9	1143.0	1134.0	1122.7	1114.8	1104.6	1095.6	1087.7
177.5°	1140.8	1138.1	1128.1	1128.1	1131.7	1126.3	1122.7	1119.1	1114.6	1111.9	1109.1
180°	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2



TEST NUMBER: P1435805

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2125.5	2125.5	2125.5	2125.5	2125.5	2125.5	2125.5	2125.5	2125.5	2125.5	2125.5
2.5°	2086.7	2075.0	2066.2	2058.9	2055.9	2053.0	2055.9	2058.9	2066.2	2075.0	2086.7
5°	1965.3	1903.1	1837.2	1783.2	1764.8	1746.5	1764.8	1783.2	1837.2	1903.1	1965.3
7.5°	1748.4	1673.3	1645.5	1623.1	1617.3	1611.4	1617.3	1623.1	1645.5	1673.3	1748.4
10°	1664.2	1603.7	1581.8	1565.3	1565.3	1565.3	1565.3	1565.3	1581.8	1603.7	1664.2
12.5°	1598.2	1561.3	1559.8	1562.4	1577.0	1591.7	1577.0	1562.4	1559.8	1561.3	1598.2
15°	1547.9	1553.4	1612.0	1660.5	1678.8	1697.1	1678.8	1660.5	1612.0	1553.4	1547.9
17.5°	1530.5	1562.0	1634.5	1692.5	1707.2	1721.8	1707.2	1692.5	1634.5	1562.0	1530.5
20°	1552.5	1592.8	1647.7	1692.5	1707.2	1721.8	1707.2	1692.5	1647.7	1592.8	1552.5
22.5°	1557.6	1606.7	1649.9	1685.9	1700.6	1715.2	1700.6	1685.9	1649.9	1606.7	1557.6
25°	1541.5	1600.1	1636.7	1666.0	1673.3	1680.6	1673.3	1666.0	1636.7	1600.1	1541.5
27.5°	1502.7	1567.1	1603.7	1632.5	1637.6	1642.7	1637.6	1632.5	1603.7	1567.1	1502.7
30°	1468.3	1534.2	1570.8	1601.0	1612.0	1623.0	1612.0	1601.0	1570.8	1534.2	1468.3
32.5°	1418.5	1485.8	1531.2	1565.8	1568.0	1570.2	1568.0	1565.8	1531.2	1485.8	1418.5
35°	1356.6	1426.2	1477.4	1514.9	1511.3	1507.6	1511.3	1514.9	1477.4	1426.2	1356.6
37.5°	1302.0	1370.1	1414.8	1449.4	1453.8	1458.2	1453.8	1449.4	1414.8	1370.1	1302.0
40°	1255.9	1325.5	1373.1	1410.6	1417.9	1425.2	1417.9	1410.6	1373.1	1325.5	1255.9
42.5°	1214.9	1285.9	1333.5	1371.1	1378.4	1385.7	1378.4	1371.1	1333.5	1285.9	1214.9
45°	1147.0	1220.2	1271.5	1310.8	1314.5	1318.1	1314.5	1310.8	1271.5	1220.2	1147.0
47.5°	1083.8	1157.4	1205.0	1241.6	1245.3	1248.9	1245.3	1241.6	1205.0	1157.4	1083.8
50°	1036.2	1111.3	1158.9	1195.5	1199.1	1202.8	1199.1	1195.5	1158.9	1111.3	1036.2
52.5°	990.8	1068.8	1110.5	1142.8	1146.4	1150.1	1146.4	1142.8	1110.5	1068.8	990.8
55°	909.9	992.3	1032.5	1062.8	1062.8	1062.8	1062.8	1062.8	1032.5	992.3	909.9
57.5°	826.0	910.6	945.8	973.2	977.6	982.0	977.6	973.2	945.8	910.6	826.0
60°	768.9	855.0	884.3	908.1	915.4	922.7	915.4	908.1	884.3	855.0	768.9
62.5°	712.5	795.6	824.9	848.0	852.4	856.8	852.4	848.0	824.9	795.6	712.5
65°	625.2	698.4	727.7	750.6	754.3	757.9	754.3	750.6	727.7	698.4	625.2
67.5°	545.0	605.1	625.6	641.7	644.6	647.5	644.6	641.7	625.6	605.1	545.0
70°	491.6	542.8	557.5	568.4	568.4	568.4	568.4	568.4	557.5	542.8	491.6
72.5°	427.8	470.3	485.0	496.7	499.6	502.5	499.6	496.7	485.0	470.3	427.8
75°	336.9	368.0	379.0	388.1	391.8	395.4	391.8	388.1	379.0	368.0	336.9
77.5°	246.4	266.9	273.5	279.4	283.0	286.7	283.0	279.4	273.5	266.9	246.4
80°	184.9	199.6	203.2	206.9	210.5	214.2	210.5	206.9	203.2	199.6	184.9
82.5°	130.0	140.2	143.9	146.8	147.6	148.3	147.6	146.8	143.9	140.2	130.0
85°	62.2	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	62.2
87.5°	18.4	20.0	21.5	22.4	23.3	22.9	23.3	22.4	21.5	20.0	18.4
90°	26.0	33.9	41.8	46.3	50.8	48.6	50.8	46.3	41.8	33.9	26.0
92.5°	52.2	65.5	75.2	83.4	87.0	86.5	87.0	83.4	75.2	65.5	52.2
95°	105.0	120.9	136.7	148.0	154.7	152.5	154.7	148.0	136.7	120.9	105.0
97.5°	162.0	183.2	200.8	211.4	218.2	222.7	218.2	211.4	200.8	183.2	162.0
100°	199.9	220.2	240.6	253.0	264.3	268.8	264.3	253.0	240.6	220.2	199.9
102.5°	230.6	257.3	279.4	292.8	302.2	306.8	302.2	292.8	279.4	257.3	230.6
105°	281.2	309.5	333.2	350.1	360.3	363.7	360.3	350.1	333.2	309.5	281.2
107.5°	331.8	361.0	382.9	401.6	414.1	421.3	414.1	401.6	382.9	361.0	331.8
110°	371.6	395.3	419.0	436.0	448.4	452.9	448.4	436.0	419.0	395.3	371.6



TEST NUMBER: P1435805

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	405.0	431.5	455.2	472.1	486.4	492.7	486.4	472.1	455.2	431.5	405.0
115°	451.8	486.8	508.3	524.1	534.2	539.9	534.2	524.1	508.3	486.8	451.8
117.5°	490.6	527.2	550.7	562.9	567.7	571.7	567.7	562.9	550.7	527.2	490.6
120°	515.0	548.9	576.0	591.8	597.5	599.8	597.5	591.8	576.0	548.9	515.0
122.5°	537.6	569.7	595.9	615.3	624.6	626.9	624.6	615.3	595.9	569.7	537.6
125°	569.3	599.8	626.9	646.1	656.2	661.9	656.2	646.1	626.9	599.8	569.3
127.5°	596.8	629.8	654.6	672.0	682.0	686.5	682.0	672.0	654.6	629.8	596.8
130°	612.2	646.1	670.9	690.1	699.1	703.7	699.1	690.1	670.9	646.1	612.2
132.5°	623.9	659.6	685.4	702.8	712.7	717.2	712.7	702.8	685.4	659.6	623.9
135°	638.2	675.4	702.5	719.5	728.5	733.0	728.5	719.5	702.5	675.4	638.2
137.5°	650.6	684.5	712.7	730.5	738.7	741.6	738.7	730.5	712.7	684.5	650.6
140°	659.6	689.0	717.2	734.2	743.2	744.3	743.2	734.2	717.2	689.0	659.6
142.5°	671.4	694.4	719.0	736.0	745.0	747.0	745.0	736.0	719.0	694.4	671.4
145°	692.4	705.9	722.9	738.7	746.6	748.8	746.6	738.7	722.9	705.9	692.4
147.5°	718.8	723.1	731.9	742.3	750.0	751.6	750.0	742.3	731.9	723.1	718.8
150°	738.7	737.5	740.9	747.7	754.5	753.4	754.5	747.7	740.9	737.5	738.7
152.5°	761.3	754.7	754.5	757.7	760.8	760.6	760.8	757.7	754.5	754.7	761.3
155°	799.7	787.2	780.5	778.2	778.2	777.1	778.2	778.2	780.5	787.2	799.7
157.5°	841.9	824.5	814.4	808.9	807.4	804.9	807.4	808.9	814.4	824.5	841.9
160°	870.8	851.6	841.5	832.4	829.0	825.6	829.0	832.4	841.5	851.6	870.8
162.5°	897.9	879.6	868.6	860.4	857.0	851.9	857.0	860.4	868.6	879.6	897.9
165°	942.0	922.8	910.4	903.6	899.1	894.5	899.1	903.6	910.4	922.8	942.0
167.5°	986.0	965.0	956.9	949.2	944.9	936.8	944.9	949.2	956.9	965.0	986.0
170°	1013.1	993.9	989.4	982.6	974.7	965.7	974.7	982.6	989.4	993.9	1013.1
172.5°	1036.6	1023.8	1019.2	1012.5	1010.0	1002.7	1010.0	1012.5	1019.2	1023.8	1036.6
175°	1070.7	1060.6	1060.6	1059.4	1056.1	1049.3	1056.1	1059.4	1060.6	1060.6	1070.7
177.5°	1099.2	1093.8	1097.4	1097.4	1096.5	1090.2	1096.5	1097.4	1097.4	1093.8	1099.2
180°	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2



TEST NUMBER: P1435805

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2125.5	2125.5	2125.5	2125.5
2.5°	2101.3	2112.3	2112.3	2112.3
5°	2023.9	2070.6	2081.6	2092.5
7.5°	1870.7	1974.6	2023.7	2072.8
10°	1763.0	1861.9	1960.7	2059.6
12.5°	1670.7	1760.1	1900.0	2039.8
15°	1595.5	1670.6	1828.0	1985.5
17.5°	1540.0	1588.4	1753.1	1917.9
20°	1526.8	1548.8	1713.6	1878.4
22.5°	1502.7	1501.9	1663.8	1825.6
25°	1460.9	1436.2	1579.0	1721.8
27.5°	1410.4	1369.4	1482.2	1595.0
30°	1373.1	1325.5	1420.7	1515.9
32.5°	1329.1	1279.3	1348.2	1417.0
35°	1268.7	1210.1	1239.4	1268.7
37.5°	1210.5	1139.5	1129.9	1120.4
40°	1164.4	1087.5	1054.5	1021.6
42.5°	1120.4	1040.6	1004.7	968.8
45°	1051.8	974.9	952.9	930.9
47.5°	984.2	905.5	889.4	873.3
50°	933.7	851.3	829.3	807.4
52.5°	876.6	787.6	774.4	761.2
55°	785.4	694.8	705.8	716.7
57.5°	692.0	593.9	603.4	612.9
60°	626.1	523.6	541.9	560.2
62.5°	575.6	476.0	488.4	500.9
65°	508.0	418.3	411.0	403.7
67.5°	445.4	364.7	340.5	316.4
70°	403.7	329.5	296.6	263.6
72.5°	357.5	296.6	263.6	230.7
75°	285.6	238.9	206.0	173.0
77.5°	212.0	179.4	152.3	125.2
80°	159.3	135.5	117.2	98.9
82.5°	113.1	96.7	81.3	65.9
85°	54.9	47.6	40.3	33.0
87.5°	17.2	14.9	11.1	7.3
90°	20.3	12.4	7.9	3.4
92.5°	43.8	30.5	21.5	12.4
95°	88.1	70.0	49.7	35.0
97.5°	140.3	111.1	91.0	66.9
100°	168.3	140.1	120.9	94.9
102.5°	199.0	175.3	148.9	122.9
105°	254.1	224.8	194.3	164.9
107.5°	305.2	272.9	236.3	209.9
110°	337.7	302.7	264.3	240.6



TEST NUMBER: P1435805

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	369.3	333.4	294.1	270.4
115°	412.3	372.7	336.6	316.3
117.5°	453.6	412.9	374.8	358.7
120°	478.9	438.2	401.0	388.5
122.5°	499.7	459.9	425.4	420.2
125°	530.9	490.2	460.8	467.6
127.5°	556.2	518.9	500.4	515.5
130°	571.5	538.8	527.5	548.9
132.5°	585.1	559.5	554.6	584.2
135°	605.4	590.7	595.2	635.9
137.5°	629.6	623.9	639.1	690.3
140°	644.9	648.3	669.8	727.4
142.5°	665.7	673.6	701.4	762.6
145°	698.0	715.0	751.1	812.1
147.5°	734.6	756.5	801.3	863.8
150°	759.0	787.2	834.7	894.5
152.5°	787.0	816.2	863.6	924.4
155°	830.2	862.9	912.6	964.6
157.5°	874.2	907.6	955.1	1000.5
160°	901.3	937.5	980.4	1022.2
162.5°	932.0	965.5	1003.0	1040.2
165°	977.0	1004.1	1034.6	1066.2
167.5°	1014.7	1037.3	1061.3	1085.9
170°	1039.1	1057.2	1077.5	1096.7
172.5°	1059.9	1074.4	1089.3	1105.8
175°	1087.7	1095.6	1104.6	1114.8
177.5°	1109.1	1111.9	1114.6	1119.1
180°	1118.2	1118.2	1118.2	1118.2



TEST NUMBER: P1435805
 CATALOG NUMBER: SQ2W-FA-K-075U-125D-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	19.69	20.66	20.53	21.53	22.63	20.89	21.86	21.73	22.73	23.82
	3H	20.78	21.66	21.65	22.54	23.66	22.14	23.01	23.00	23.89	25.01
	4H	21.14	21.97	22.02	22.85	23.98	22.53	23.36	23.41	24.25	25.38
	6H	21.31	22.07	22.20	22.96	24.11	22.70	23.46	23.59	24.36	25.50
	8H	21.35	22.07	22.24	22.98	24.13	22.73	23.45	23.63	24.36	25.51
	12H	21.35	22.04	22.25	22.94	24.11	22.72	23.41	23.62	24.31	25.48
4H	2H	20.57	21.39	21.45	22.28	23.41	21.48	22.31	22.37	23.20	24.33
	3H	21.97	22.66	22.86	23.57	24.72	22.96	23.65	23.85	24.56	25.71
	4H	22.43	23.05	23.33	23.97	25.14	23.44	24.07	24.34	24.98	26.15
	6H	22.66	23.20	23.58	24.14	25.31	23.67	24.21	24.59	25.15	26.32
	8H	22.72	23.23	23.65	24.16	25.35	23.72	24.22	24.64	25.16	26.34
	12H	22.73	23.19	23.67	24.14	25.33	23.71	24.17	24.65	25.12	26.31
8H	4H	22.82	23.33	23.74	24.26	25.44	23.64	24.15	24.57	25.08	26.27
	6H	23.18	23.59	24.13	24.57	25.75	23.96	24.38	24.91	25.35	26.54
	8H	23.29	23.66	24.25	24.63	25.83	24.06	24.43	25.02	25.39	26.60
	12H	23.34	23.66	24.30	24.62	25.87	24.08	24.40	25.04	25.36	26.61
12H	4H	22.83	23.28	23.77	24.24	25.43	23.62	24.07	24.56	25.02	26.21
	6H	23.25	23.62	24.21	24.58	25.78	23.98	24.35	24.94	25.32	26.52
	8H	23.40	23.72	24.36	24.68	25.93	24.10	24.43	25.06	25.38	26.63