

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: P1428104

Luminaire Tested: SQ2W-PP3-K-100U-125D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428104  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/10/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ2W-PP3-K-100U-125D-L930-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - PERCEIVE PRISM LENS  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 1250 LUMENS PER FOOT  
UPLIGHT 1000 LUMENS PER FOOT  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

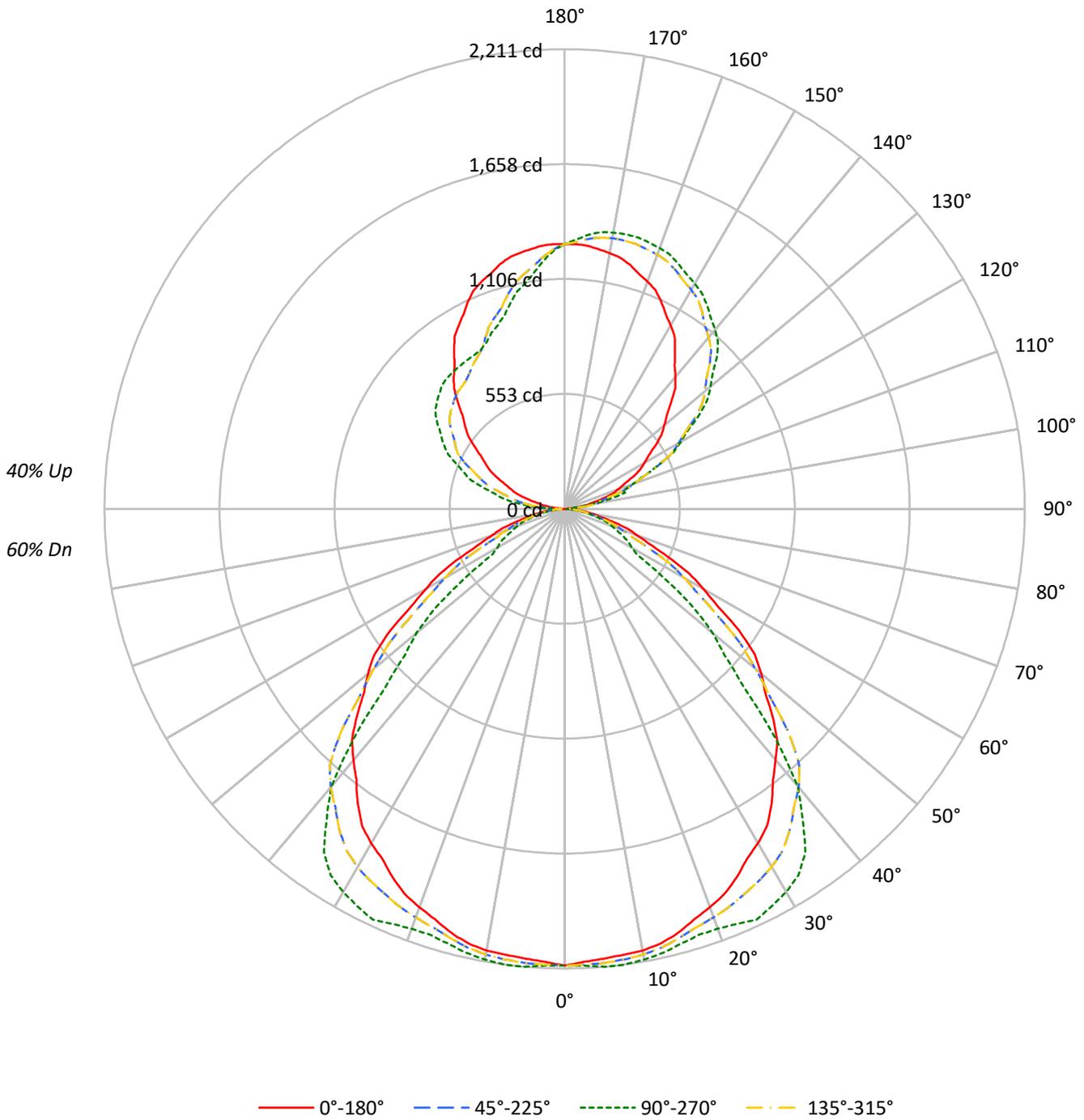
Lumens per Lamp: N/A  
Luminaire Lumens: 9257.9 lumens  
Efficiency: N/A  
Efficacy: 112.5 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.41 / 1.4  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 82.3  
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: P1428104

CATALOG NUMBER: SQ2W-PP3-K-100U-125D-L930-UNV-STD-W-WM-4

### 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	50	30	10	0	
RCR																						
0	109	109	109	109	102	102	102	102	89	89	89	76	76	76	65	65	65	60				
1	101	97	93	89	94	90	87	84	79	77	74	68	67	65	59	57	56	52				
2	92	85	79	74	86	80	75	70	70	66	63	61	58	55	52	50	48	44				
3	84	75	68	62	79	71	64	59	62	57	53	54	50	47	47	44	42	38				
4	77	67	59	53	72	63	56	51	55	50	46	49	44	41	42	39	36	33				
5	71	60	52	46	66	56	49	44	50	44	40	44	39	36	38	35	32	29				
6	66	54	46	40	61	51	44	38	45	39	35	40	35	32	35	31	28	26				
7	61	49	41	35	57	46	39	34	41	35	31	36	32	28	32	28	25	23				
8	57	44	37	31	53	42	35	30	37	32	28	33	28	25	29	25	23	20				
9	53	41	33	28	49	38	32	27	34	29	25	31	26	23	27	23	20	18				
10	49	37	30	25	46	35	29	24	32	26	22	28	24	20	25	21	19	17				

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

	0°	90°	180°	270°
0°	35478	35478	35478	35478
5°	35199	35839	35199	35839
10°	35378	36101	35378	36101
15°	35292	36185	35292	36185
20°	35040	36917	35040	36917
25°	34842	38856	34842	38856
30°	34643	39667	34643	39667
35°	34154	39739	34154	39739
40°	33242	36717	33242	36717
45°	32247	27950	32247	27950
50°	30981	23279	30981	23279
55°	28836	16737	28836	16737
60°	24825	11999	24825	11999
65°	20943	11801	20943	11801
70°	17433	11292	17433	11292
75°	14778	10580	14778	10580
80°	12524	9502	12524	9502
85°	9892	5168	9892	5168

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 40°  
 Vertical Angle: 45°  
 Luminance: 35275 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	209.2	2.3
10°-20°	605.6	6.5
20°-30°	948.7	10.2
30°-40°	1170.3	12.6
40°-50°	1101.8	11.9
50°-60°	780.2	8.4
60°-70°	444.5	4.8
70°-80°	220.0	2.4
80°-90°	59.0	0.6
90°-100°	101.4	1.1
100°-110°	295.6	3.2
110°-120°	482.4	5.2
120°-130°	612.1	6.6
130°-140°	655.0	7.1
140°-150°	611.6	6.6
150°-160°	503.3	5.4
160°-170°	337.5	3.6
170°-180°	119.8	1.3
0°-30°	1763.5	19.0
0°-40°	2933.7	31.7
0°-60°	4815.7	52.0
0°-90°	5539.3	59.8
90°-120°	879.3	9.5
90°-150°	2758.0	29.8
90°-180°	3719.0	40.2
0°-180°	9257.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2197	2197	2197	2197	2197	
5°	2172	2211	2172	2211	2172	207
15°	2111	2165	2111	2165	2111	595
25°	1956	2181	1956	2181	1956	901
35°	1733	2016	1733	2016	1733	1081
45°	1412	1224	1412	1224	1412	1087
55°	1024	595	1024	595	1024	904
65°	548	309	548	309	548	550
75°	237	170	237	170	237	257
85°	53	28	53	28	53	63
90°	4	28	4	55	4	5
95°	40	30	40	174	40	48
105°	188	301	188	414	188	200
115°	360	499	360	615	360	355
125°	533	791	533	754	533	477
135°	724	1036	724	835	724	560
145°	925	1194	925	853	925	579
155°	1099	1297	1099	885	1099	505
165°	1214	1352	1214	1019	1214	342
175°	1270	1324	1270	1195	1270	120
180°	1274	1274	1274	1274	1274	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2197.4	2197.4	2197.4	2197.4	2197.4	2197.4	2197.4	2197.4	2197.4	2197.4	2197.4
2.5°	2180.6	2194.7	2208.7	2205.4	2196.3	2192.6	2194.3	2195.9	2197.6	2199.2	2197.6
5°	2171.8	2189.4	2206.9	2204.3	2195.0	2191.4	2193.5	2196.8	2204.1	2211.3	2204.1
7.5°	2163.5	2181.4	2199.4	2197.1	2188.0	2185.2	2188.7	2193.5	2202.4	2211.3	2202.4
10°	2157.9	2173.4	2188.8	2186.5	2178.3	2176.7	2181.9	2187.6	2194.8	2202.0	2194.8
12.5°	2141.2	2155.8	2170.5	2168.6	2161.1	2160.8	2167.6	2174.3	2180.7	2187.1	2180.7
15°	2111.4	2124.8	2138.3	2138.5	2134.4	2137.0	2146.3	2154.5	2159.7	2164.8	2159.7
17.5°	2071.0	2087.3	2103.6	2107.4	2107.0	2113.4	2126.6	2137.8	2143.2	2148.6	2143.2
20°	2039.4	2059.0	2078.6	2085.1	2087.2	2096.5	2113.0	2127.9	2138.3	2148.6	2138.3
22.5°	2006.0	2028.9	2051.8	2060.3	2064.0	2078.3	2103.1	2126.1	2143.8	2161.6	2143.8
25°	1955.8	1978.5	2001.2	2017.7	2032.2	2057.5	2093.6	2127.4	2154.3	2181.1	2154.3
27.5°	1897.3	1919.8	1942.3	1970.7	2001.0	2036.5	2077.2	2113.0	2134.3	2155.6	2134.3
30°	1858.2	1879.9	1901.6	1934.1	1970.2	2009.5	2051.8	2088.5	2108.1	2127.7	2108.1
32.5°	1809.9	1832.4	1854.9	1889.5	1928.1	1970.2	2015.9	2054.6	2072.6	2090.5	2072.6
35°	1732.8	1754.5	1776.2	1816.4	1862.9	1909.9	1957.3	1995.5	2005.9	2016.2	2005.9
37.5°	1644.1	1668.6	1693.2	1738.4	1790.4	1829.7	1856.4	1876.5	1877.1	1877.7	1877.1
40°	1577.2	1609.2	1641.2	1686.3	1735.9	1763.3	1768.4	1768.9	1755.5	1742.1	1755.5
42.5°	1512.1	1553.2	1594.3	1630.6	1665.3	1672.4	1652.0	1621.7	1562.1	1502.4	1562.1
45°	1412.3	1460.8	1509.3	1531.5	1544.9	1499.5	1395.2	1306.7	1265.4	1224.1	1265.4
47.5°	1305.9	1353.8	1401.7	1395.5	1371.4	1302.6	1189.3	1097.1	1068.6	1040.1	1068.6
50°	1233.4	1278.8	1324.3	1291.5	1232.6	1155.2	1059.2	980.5	953.6	926.8	953.6
52.5°	1151.6	1192.1	1232.6	1183.1	1103.6	1022.0	938.4	865.5	824.6	783.7	824.6
55°	1024.4	1052.2	1080.1	1025.9	944.3	854.5	756.5	673.1	633.9	594.6	633.9
57.5°	871.0	890.7	910.3	867.6	804.3	715.0	599.7	502.3	458.4	414.4	458.4
60°	768.8	784.3	799.8	761.1	704.3	619.2	505.6	415.0	393.3	371.6	393.3
62.5°	675.9	689.8	703.6	663.2	604.8	528.7	435.0	362.8	355.1	347.5	355.1
65°	548.2	561.6	575.0	532.7	471.8	412.4	354.6	311.0	310.0	308.9	310.0
67.5°	436.2	450.9	465.5	425.7	367.7	323.8	294.1	271.5	270.2	269.0	270.2
70°	369.3	384.8	400.3	363.1	308.4	272.8	256.3	243.4	241.3	239.2	241.3
72.5°	313.6	328.2	342.9	310.5	262.4	233.0	222.2	213.9	212.6	211.4	212.6
75°	236.9	248.3	259.6	236.2	201.1	180.9	175.8	171.6	170.6	169.6	170.6
77.5°	171.9	179.1	186.3	171.0	148.0	135.2	132.6	130.3	129.3	128.2	129.3
80°	134.7	137.8	140.9	130.1	114.6	106.3	105.3	104.3	103.2	102.2	103.2
82.5°	101.3	100.2	99.2	92.9	84.9	80.3	79.3	78.0	76.2	74.3	76.2
85°	53.4	51.4	49.3	47.2	45.2	42.1	37.9	34.1	31.0	27.9	31.0
87.5°	17.5	18.5	19.8	17.7	14.4	12.2	11.3	11.0	11.2	11.2	11.2
90°	3.9	9.0	15.4	20.6	24.4	25.7	25.7	27.0	28.3	28.3	28.3
92.5°	14.2	22.4	22.6	22.6	27.5	29.8	31.9	32.2	33.4	33.4	33.4
95°	39.9	43.7	65.6	64.3	43.7	34.7	29.6	29.6	29.6	29.6	29.6
97.5°	76.2	81.8	85.4	114.5	120.9	116.8	95.2	80.0	71.5	67.7	71.5
100°	108.1	110.6	118.4	119.6	151.8	182.7	167.2	147.9	141.5	137.6	141.5
102.5°	140.0	141.5	153.3	158.7	166.2	183.7	237.2	231.3	226.9	226.2	226.9
105°	187.8	189.1	211.0	221.3	226.4	226.4	225.1	250.9	292.0	301.0	292.0
107.5°	239.0	244.9	270.7	298.2	304.1	305.7	299.0	295.1	293.6	294.6	293.6
110°	274.0	283.0	313.9	348.6	357.6	360.2	357.6	353.8	351.2	351.2	351.2



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	308.0	321.1	356.1	396.0	411.1	418.9	413.2	410.4	407.8	409.9	407.8
115°	360.2	379.5	425.8	467.0	497.9	501.7	500.4	500.4	499.1	499.1	499.1
117.5°	408.6	439.5	491.4	539.3	575.0	585.3	590.5	588.9	587.4	590.0	587.4
120°	442.5	478.6	537.7	591.8	626.5	641.9	647.1	644.5	647.1	644.5	647.1
122.5°	478.6	522.8	581.0	637.0	678.0	695.5	701.6	702.1	702.7	701.1	702.7
125°	532.6	586.6	654.8	712.7	755.1	775.7	780.9	782.2	784.7	791.2	784.7
127.5°	587.1	648.4	723.2	779.1	822.6	847.5	855.5	858.3	863.7	866.6	863.7
130°	625.2	694.7	770.6	823.3	865.8	892.8	906.9	910.8	917.2	916.0	917.2
132.5°	665.4	737.9	814.8	869.6	909.0	938.1	950.2	961.2	963.5	965.4	963.5
135°	724.3	802.7	879.9	934.0	971.3	999.6	1015.0	1025.3	1031.7	1035.6	1031.7
137.5°	786.3	869.1	943.2	991.3	1028.9	1053.3	1070.8	1081.6	1088.3	1091.4	1088.3
140°	828.5	908.2	980.3	1030.4	1063.9	1088.3	1103.8	1116.6	1124.4	1124.4	1124.4
142.5°	868.6	947.3	1017.3	1067.5	1096.8	1119.2	1135.7	1145.5	1154.2	1154.2	1154.2
145°	925.0	1003.4	1067.8	1117.9	1142.4	1162.9	1181.0	1188.7	1193.8	1193.8	1193.8
147.5°	983.9	1053.3	1112.0	1160.1	1180.7	1204.9	1219.0	1225.2	1231.6	1228.8	1231.6
150°	1018.9	1083.2	1139.8	1184.8	1205.4	1228.6	1242.7	1247.9	1254.3	1250.4	1254.3
152.5°	1052.8	1114.1	1165.5	1207.5	1225.0	1248.1	1264.3	1269.5	1273.8	1271.0	1273.8
155°	1098.6	1152.7	1200.3	1238.8	1254.3	1276.2	1291.6	1298.0	1303.2	1296.7	1303.2
157.5°	1139.5	1186.1	1227.5	1263.0	1279.5	1298.3	1312.7	1320.7	1325.8	1323.0	1325.8
160°	1164.2	1206.7	1244.0	1277.4	1292.9	1309.6	1325.0	1334.0	1339.2	1335.3	1339.2
162.5°	1184.8	1223.2	1258.4	1288.8	1302.1	1316.8	1335.3	1343.3	1348.5	1343.6	1348.5
165°	1214.4	1245.3	1276.2	1301.9	1313.5	1325.0	1344.3	1353.3	1357.2	1352.1	1357.2
167.5°	1236.8	1260.5	1285.4	1307.5	1316.0	1327.4	1346.7	1354.1	1359.0	1352.6	1359.0
170°	1249.1	1269.7	1291.6	1309.6	1316.0	1326.3	1345.6	1352.1	1355.9	1349.5	1355.9
172.5°	1259.4	1274.9	1292.6	1308.6	1311.9	1320.2	1338.4	1344.9	1347.7	1342.3	1347.7
175°	1269.7	1278.7	1291.6	1301.9	1300.6	1305.7	1321.2	1326.3	1331.5	1323.8	1331.5
177.5°	1274.6	1278.7	1282.8	1289.0	1284.9	1284.9	1296.2	1299.3	1300.3	1296.2	1300.3
180°	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2197.4	2197.4	2197.4	2197.4	2197.4	2197.4	2197.4	2197.4	2197.4	2197.4	2197.4
2.5°	2195.9	2194.3	2192.6	2196.3	2205.4	2208.7	2194.7	2180.6	2194.7	2208.7	2205.4
5°	2196.8	2193.5	2191.4	2195.0	2204.3	2206.9	2189.4	2171.8	2189.4	2206.9	2204.3
7.5°	2193.5	2188.7	2185.2	2188.0	2197.1	2199.4	2181.4	2163.5	2181.4	2199.4	2197.1
10°	2187.6	2181.9	2176.7	2178.3	2186.5	2188.8	2173.4	2157.9	2173.4	2188.8	2186.5
12.5°	2174.3	2167.6	2160.8	2161.1	2168.6	2170.5	2155.8	2141.2	2155.8	2170.5	2168.6
15°	2154.5	2146.3	2137.0	2134.4	2138.5	2138.3	2124.8	2111.4	2124.8	2138.3	2138.5
17.5°	2137.8	2126.6	2113.4	2107.0	2107.4	2103.6	2087.3	2071.0	2087.3	2103.6	2107.4
20°	2127.9	2113.0	2096.5	2087.2	2085.1	2078.6	2059.0	2039.4	2059.0	2078.6	2085.1
22.5°	2126.1	2103.1	2078.3	2064.0	2060.3	2051.8	2028.9	2006.0	2028.9	2051.8	2060.3
25°	2127.4	2093.6	2057.5	2032.2	2017.7	2001.2	1978.5	1955.8	1978.5	2001.2	2017.7
27.5°	2113.0	2077.2	2036.5	2001.0	1970.7	1942.3	1919.8	1897.3	1919.8	1942.3	1970.7
30°	2088.5	2051.8	2009.5	1970.2	1934.1	1901.6	1879.9	1858.2	1879.9	1901.6	1934.1
32.5°	2054.6	2015.9	1970.2	1928.1	1889.5	1854.9	1832.4	1809.9	1832.4	1854.9	1889.5
35°	1995.5	1957.3	1909.9	1862.9	1816.4	1776.2	1754.5	1732.8	1754.5	1776.2	1816.4
37.5°	1876.5	1856.4	1829.7	1790.4	1738.4	1693.2	1668.6	1644.1	1668.6	1693.2	1738.4
40°	1768.9	1768.4	1763.3	1735.9	1686.3	1641.2	1609.2	1577.2	1609.2	1641.2	1686.3
42.5°	1621.7	1652.0	1672.4	1665.3	1630.6	1594.3	1553.2	1512.1	1553.2	1594.3	1630.6
45°	1306.7	1395.2	1499.5	1544.9	1531.5	1509.3	1460.8	1412.3	1460.8	1509.3	1531.5
47.5°	1097.1	1189.3	1302.6	1371.4	1395.5	1401.7	1353.8	1305.9	1353.8	1401.7	1395.5
50°	980.5	1059.2	1155.2	1232.6	1291.5	1324.3	1278.8	1233.4	1278.8	1324.3	1291.5
52.5°	865.5	938.4	1022.0	1103.6	1183.1	1232.6	1192.1	1151.6	1192.1	1232.6	1183.1
55°	673.1	756.5	854.5	944.3	1025.9	1080.1	1052.2	1024.4	1052.2	1080.1	1025.9
57.5°	502.3	599.7	715.0	804.3	867.6	910.3	890.7	871.0	890.7	910.3	867.6
60°	415.0	505.6	619.2	704.3	761.1	799.8	784.3	768.8	784.3	799.8	761.1
62.5°	362.8	435.0	528.7	604.8	663.2	703.6	689.8	675.9	689.8	703.6	663.2
65°	311.0	354.6	412.4	471.8	532.7	575.0	561.6	548.2	561.6	575.0	532.7
67.5°	271.5	294.1	323.8	367.7	425.7	465.5	450.9	436.2	450.9	465.5	425.7
70°	243.4	256.3	272.8	308.4	363.1	400.3	384.8	369.3	384.8	400.3	363.1
72.5°	213.9	222.2	233.0	262.4	310.5	342.9	328.2	313.6	328.2	342.9	310.5
75°	171.6	175.8	180.9	201.1	236.2	259.6	248.3	236.9	248.3	259.6	236.2
77.5°	130.3	132.6	135.2	148.0	171.0	186.3	179.1	171.9	179.1	186.3	171.0
80°	104.3	105.3	106.3	114.6	130.1	140.9	137.8	134.7	137.8	140.9	130.1
82.5°	78.0	79.3	80.3	84.9	92.9	99.2	100.2	101.3	100.2	99.2	92.9
85°	34.1	37.9	42.1	45.2	47.2	49.3	51.4	53.4	51.4	49.3	47.2
87.5°	11.0	11.3	12.2	14.4	17.7	19.8	18.5	17.5	18.5	19.6	18.3
90°	27.0	25.7	25.7	24.4	20.6	15.4	9.0	3.9	9.0	14.2	23.2
92.5°	32.2	31.9	29.8	27.5	22.6	22.6	22.4	14.2	24.4	34.7	49.9
95°	29.6	29.6	34.7	43.7	64.3	65.6	43.7	39.9	56.6	79.8	100.3
97.5°	80.0	95.2	116.8	120.9	114.5	85.4	81.8	76.2	103.7	126.6	159.8
100°	147.9	167.2	182.7	151.8	119.6	118.4	110.6	108.1	137.6	159.5	191.7
102.5°	231.3	237.2	183.7	166.2	158.7	153.3	141.5	140.0	169.6	199.7	226.7
105°	250.9	225.1	226.4	226.4	221.3	211.0	189.1	187.8	221.3	256.0	289.5
107.5°	295.1	299.0	305.7	304.1	298.2	270.7	244.9	239.0	269.1	310.8	347.6
110°	353.8	357.6	360.2	357.6	348.6	313.9	283.0	274.0	301.0	344.8	384.6



TEST NUMBER: P1428104

CATALOG NUMBER: SQ2W-PP3-K-100U-125D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	410.4	413.2	418.9	411.1	396.0	356.1	321.1	308.0	335.0	379.8	420.7
115°	500.4	500.4	501.7	497.9	467.0	425.8	379.5	360.2	383.4	424.5	469.6
117.5°	588.9	590.5	585.3	575.0	539.3	491.4	439.5	408.6	426.8	470.3	516.6
120°	644.5	647.1	641.9	626.5	591.8	537.7	478.6	442.5	456.7	499.1	545.5
122.5°	702.1	701.6	695.5	678.0	637.0	581.0	522.8	478.6	484.5	523.8	569.1
125°	782.2	780.9	775.7	755.1	712.7	654.8	586.6	532.6	524.9	558.3	604.6
127.5°	858.3	855.5	847.5	822.6	779.1	723.2	648.4	587.1	569.9	591.0	633.4
130°	910.8	906.9	892.8	865.8	823.3	770.6	694.7	625.2	600.8	613.6	650.9
132.5°	961.2	950.2	938.1	909.0	869.6	814.8	737.9	665.4	631.6	637.3	666.4
135°	1025.3	1015.0	999.6	971.3	934.0	879.9	802.7	724.3	678.0	672.8	689.5
137.5°	1081.6	1070.8	1053.3	1028.9	991.3	943.2	869.1	786.3	727.9	710.6	717.1
140°	1116.6	1103.8	1088.3	1063.9	1030.4	980.3	908.2	828.5	762.9	738.4	734.6
142.5°	1145.5	1135.7	1119.2	1096.8	1067.5	1017.3	947.3	868.6	798.9	767.2	758.2
145°	1188.7	1181.0	1162.9	1142.4	1117.9	1067.8	1003.4	925.0	855.5	814.3	795.0
147.5°	1225.2	1219.0	1204.9	1180.7	1160.1	1112.0	1053.3	983.9	912.6	861.7	836.7
150°	1247.9	1242.7	1228.6	1205.4	1184.8	1139.8	1083.2	1018.9	950.7	896.7	864.5
152.5°	1269.5	1264.3	1248.1	1225.0	1207.5	1165.5	1114.1	1052.8	983.6	929.6	896.4
155°	1298.0	1291.6	1276.2	1254.3	1238.8	1200.3	1152.7	1098.6	1039.4	982.8	945.5
157.5°	1320.7	1312.7	1298.3	1279.5	1263.0	1227.5	1186.1	1139.5	1087.8	1033.8	995.7
160°	1334.0	1325.0	1309.6	1292.9	1277.4	1244.0	1206.7	1164.2	1116.6	1067.8	1026.6
162.5°	1343.3	1335.3	1316.8	1302.1	1288.8	1258.4	1223.2	1184.8	1142.4	1099.7	1061.6
165°	1353.3	1344.3	1325.0	1313.5	1301.9	1276.2	1245.3	1214.4	1178.4	1143.7	1112.8
167.5°	1354.1	1346.7	1327.4	1316.0	1307.5	1285.4	1260.5	1236.8	1208.7	1181.5	1155.7
170°	1352.1	1345.6	1326.3	1316.0	1309.6	1291.6	1269.7	1249.1	1227.3	1204.1	1183.5
172.5°	1344.9	1338.4	1320.2	1311.9	1308.6	1292.6	1274.9	1259.4	1240.7	1223.7	1207.2
175°	1326.3	1321.2	1305.7	1300.6	1301.9	1291.6	1278.7	1269.7	1258.1	1247.9	1238.8
177.5°	1299.3	1296.2	1284.9	1284.9	1289.0	1282.8	1278.7	1274.6	1269.5	1266.4	1263.3
180°	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6



TEST NUMBER: P1428104

CATALOG NUMBER: SQ2W-PP3-K-100U-125D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2197.4	2197.4	2197.4	2197.4	2197.4	2197.4	2197.4	2197.4	2197.4	2197.4	2197.4
2.5°	2196.3	2192.6	2194.3	2195.9	2197.6	2199.2	2197.6	2195.9	2194.3	2192.6	2196.3
5°	2195.0	2191.4	2193.5	2196.8	2204.1	2211.3	2204.1	2196.8	2193.5	2191.4	2195.0
7.5°	2188.0	2185.2	2188.7	2193.5	2202.4	2211.3	2202.4	2193.5	2188.7	2185.2	2188.0
10°	2178.3	2176.7	2181.9	2187.6	2194.8	2202.0	2194.8	2187.6	2181.9	2176.7	2178.3
12.5°	2161.1	2160.8	2167.6	2174.3	2180.7	2187.1	2180.7	2174.3	2167.6	2160.8	2161.1
15°	2134.4	2137.0	2146.3	2154.5	2159.7	2164.8	2159.7	2154.5	2146.3	2137.0	2134.4
17.5°	2107.0	2113.4	2126.6	2137.8	2143.2	2148.6	2143.2	2137.8	2126.6	2113.4	2107.0
20°	2087.2	2096.5	2113.0	2127.9	2138.3	2148.6	2138.3	2127.9	2113.0	2096.5	2087.2
22.5°	2064.0	2078.3	2103.1	2126.1	2143.8	2161.6	2143.8	2126.1	2103.1	2078.3	2064.0
25°	2032.2	2057.5	2093.6	2127.4	2154.3	2181.1	2154.3	2127.4	2093.6	2057.5	2032.2
27.5°	2001.0	2036.5	2077.2	2113.0	2134.3	2155.6	2134.3	2113.0	2077.2	2036.5	2001.0
30°	1970.2	2009.5	2051.8	2088.5	2108.1	2127.7	2108.1	2088.5	2051.8	2009.5	1970.2
32.5°	1928.1	1970.2	2015.9	2054.6	2072.6	2090.5	2072.6	2054.6	2015.9	1970.2	1928.1
35°	1862.9	1909.9	1957.3	1995.5	2005.9	2016.2	2005.9	1995.5	1957.3	1909.9	1862.9
37.5°	1790.4	1829.7	1856.4	1876.5	1877.1	1877.7	1877.1	1876.5	1856.4	1829.7	1790.4
40°	1735.9	1763.3	1768.4	1768.9	1755.5	1742.1	1755.5	1768.9	1768.4	1763.3	1735.9
42.5°	1665.3	1672.4	1652.0	1621.7	1562.1	1502.4	1562.1	1621.7	1652.0	1672.4	1665.3
45°	1544.9	1499.5	1395.2	1306.7	1265.4	1224.1	1265.4	1306.7	1395.2	1499.5	1544.9
47.5°	1371.4	1302.6	1189.3	1097.1	1068.6	1040.1	1068.6	1097.1	1189.3	1302.6	1371.4
50°	1232.6	1155.2	1059.2	980.5	953.6	926.8	953.6	980.5	1059.2	1155.2	1232.6
52.5°	1103.6	1022.0	938.4	865.5	824.6	783.7	824.6	865.5	938.4	1022.0	1103.6
55°	944.3	854.5	756.5	673.1	633.9	594.6	633.9	756.5	854.5	944.3	944.3
57.5°	804.3	715.0	599.7	502.3	458.4	414.4	458.4	599.7	715.0	804.3	804.3
60°	704.3	619.2	505.6	415.0	393.3	371.6	393.3	415.0	505.6	619.2	704.3
62.5°	604.8	528.7	435.0	362.8	355.1	347.5	355.1	435.0	528.7	604.8	604.8
65°	471.8	412.4	354.6	311.0	310.0	308.9	310.0	311.0	354.6	412.4	471.8
67.5°	367.7	323.8	294.1	271.5	270.2	269.0	270.2	271.5	294.1	323.8	367.7
70°	308.4	272.8	256.3	243.4	241.3	239.2	241.3	243.4	256.3	272.8	308.4
72.5°	262.4	233.0	222.2	213.9	212.6	211.4	212.6	213.9	222.2	233.0	262.4
75°	201.1	180.9	175.8	171.6	170.6	169.6	170.6	171.6	175.8	180.9	201.1
77.5°	148.0	135.2	132.6	130.3	129.3	128.2	129.3	130.3	132.6	135.2	148.0
80°	114.6	106.3	105.3	104.3	103.2	102.2	103.2	104.3	105.3	106.3	114.6
82.5°	84.9	80.3	79.3	78.0	76.2	74.3	76.2	78.0	79.3	80.3	84.9
85°	45.2	42.1	37.9	34.1	31.0	27.9	31.0	34.1	37.9	42.1	45.2
87.5°	15.4	14.7	15.7	16.1	17.2	16.6	17.2	16.1	15.7	14.7	15.4
90°	29.6	38.6	47.6	52.7	57.9	55.3	57.9	52.7	47.6	38.6	29.6
92.5°	59.4	74.6	85.7	94.9	99.1	98.5	99.1	94.9	85.7	74.6	59.4
95°	119.6	137.6	155.7	168.5	176.2	173.7	176.2	168.5	155.7	137.6	119.6
97.5°	184.5	208.7	228.7	240.8	248.5	253.7	248.5	240.8	228.7	208.7	184.5
100°	227.7	250.9	274.0	288.2	301.0	306.2	301.0	288.2	274.0	250.9	227.7
102.5°	262.7	293.1	318.3	333.4	344.3	349.4	344.3	318.3	293.1	262.7	262.7
105°	320.3	352.5	379.5	398.8	410.4	414.2	410.4	379.5	352.5	320.3	320.3
107.5°	378.0	411.1	436.1	457.5	471.6	479.8	471.6	436.1	411.1	378.0	378.0
110°	423.2	450.3	477.3	496.6	510.7	515.9	510.7	477.3	450.3	423.2	423.2



TEST NUMBER: P1428104

CATALOG NUMBER: SQ2W-PP3-K-100U-125D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	461.3	491.4	518.4	537.7	553.9	561.1	553.9	537.7	518.4	491.4	461.3
115°	514.6	554.5	578.9	596.9	608.5	614.9	608.5	596.9	578.9	554.5	514.6
117.5°	558.8	600.5	627.3	641.2	646.6	651.2	646.6	641.2	627.3	600.5	558.8
120°	586.6	625.2	656.1	674.1	680.5	683.1	680.5	674.1	656.1	625.2	586.6
122.5°	612.3	648.9	678.7	700.9	711.4	714.0	711.4	700.9	678.7	648.9	612.3
125°	648.4	683.1	714.0	735.8	747.4	753.9	747.4	735.8	714.0	683.1	648.4
127.5°	679.8	717.3	745.6	765.4	776.8	781.9	776.8	765.4	745.6	717.3	679.8
130°	697.3	735.8	764.1	786.0	796.3	801.5	796.3	786.0	764.1	735.8	697.3
132.5°	710.6	751.3	780.6	800.4	811.7	816.9	811.7	800.4	780.6	751.3	710.6
135°	726.8	769.3	800.2	819.5	829.8	834.9	829.8	819.5	800.2	769.3	726.8
137.5°	741.0	779.6	811.7	832.1	841.3	844.7	841.3	832.1	811.7	779.6	741.0
140°	751.3	784.7	816.9	836.2	846.5	847.8	846.5	836.2	816.9	784.7	751.3
142.5°	764.7	790.9	819.0	838.2	848.5	850.9	848.5	838.2	819.0	790.9	764.7
145°	788.6	804.0	823.3	841.3	850.3	852.9	850.3	841.3	823.3	804.0	788.6
147.5°	818.7	823.6	833.6	845.5	854.2	856.0	854.2	845.5	833.6	823.6	818.7
150°	841.3	840.1	843.9	851.6	859.3	858.1	859.3	851.6	843.9	840.1	841.3
152.5°	867.1	859.6	859.3	862.9	866.6	866.3	866.6	862.9	859.3	859.6	867.1
155°	910.8	896.7	888.9	886.4	886.4	885.1	886.4	886.4	888.9	896.7	910.8
157.5°	958.9	939.1	927.5	921.4	919.6	916.7	919.6	921.4	927.5	939.1	958.9
160°	991.9	970.0	958.4	948.1	944.3	940.4	944.3	948.1	958.4	970.0	991.9
162.5°	1022.7	1001.9	989.3	980.0	976.2	970.2	976.2	980.0	989.3	1001.9	1022.7
165°	1072.9	1051.0	1036.9	1029.2	1024.0	1018.9	1024.0	1029.2	1036.9	1051.0	1072.9
167.5°	1123.1	1099.1	1089.9	1081.1	1076.2	1067.0	1076.2	1081.1	1089.9	1099.1	1123.1
170°	1153.9	1132.1	1126.9	1119.2	1110.2	1099.9	1110.2	1119.2	1126.9	1132.1	1153.9
172.5°	1180.7	1166.0	1160.9	1153.2	1150.3	1142.1	1150.3	1153.2	1160.9	1166.0	1180.7
175°	1219.6	1208.0	1208.0	1206.7	1202.8	1195.1	1202.8	1206.7	1208.0	1208.0	1219.6
177.5°	1252.0	1245.8	1249.9	1249.9	1248.9	1241.7	1248.9	1249.9	1249.9	1245.8	1252.0
180°	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6



TEST NUMBER: P1428104

CATALOG NUMBER: SQ2W-PP3-K-100U-125D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	2197.4	2197.4	2197.4	2197.4
2.5°	2205.4	2208.7	2194.7	2180.6
5°	2204.3	2206.9	2189.4	2171.8
7.5°	2197.1	2199.4	2181.4	2163.5
10°	2186.5	2188.8	2173.4	2157.9
12.5°	2168.6	2170.5	2155.8	2141.2
15°	2138.5	2138.3	2124.8	2111.4
17.5°	2107.4	2103.6	2087.3	2071.0
20°	2085.1	2078.6	2059.0	2039.4
22.5°	2060.3	2051.8	2028.9	2006.0
25°	2017.7	2001.2	1978.5	1955.8
27.5°	1970.7	1942.3	1919.8	1897.3
30°	1934.1	1901.6	1879.9	1858.2
32.5°	1889.5	1854.9	1832.4	1809.9
35°	1816.4	1776.2	1754.5	1732.8
37.5°	1738.4	1693.2	1668.6	1644.1
40°	1686.3	1641.2	1609.2	1577.2
42.5°	1630.6	1594.3	1553.2	1512.1
45°	1531.5	1509.3	1460.8	1412.3
47.5°	1395.5	1401.7	1353.8	1305.9
50°	1291.5	1324.3	1278.8	1233.4
52.5°	1183.1	1232.6	1192.1	1151.6
55°	1025.9	1080.1	1052.2	1024.4
57.5°	867.6	910.3	890.7	871.0
60°	761.1	799.8	784.3	768.8
62.5°	663.2	703.6	689.8	675.9
65°	532.7	575.0	561.6	548.2
67.5°	425.7	465.5	450.9	436.2
70°	363.1	400.3	384.8	369.3
72.5°	310.5	342.9	328.2	313.6
75°	236.2	259.6	248.3	236.9
77.5°	171.0	186.3	179.1	171.9
80°	130.1	140.9	137.8	134.7
82.5°	92.9	99.2	100.2	101.3
85°	47.2	49.3	51.4	53.4
87.5°	18.3	19.6	18.5	17.5
90°	23.2	14.2	9.0	3.9
92.5°	49.9	34.7	24.4	14.2
95°	100.3	79.8	56.6	39.9
97.5°	159.8	126.6	103.7	76.2
100°	191.7	159.5	137.6	108.1
102.5°	226.7	199.7	169.6	140.0
105°	289.5	256.0	221.3	187.8
107.5°	347.6	310.8	269.1	239.0
110°	384.6	344.8	301.0	274.0



TEST NUMBER: P1428104

CATALOG NUMBER: SQ2W-PP3-K-100U-125D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	420.7	379.8	335.0	308.0
115°	469.6	424.5	383.4	360.2
117.5°	516.6	470.3	426.8	408.6
120°	545.5	499.1	456.7	442.5
122.5°	569.1	523.8	484.5	478.6
125°	604.6	558.3	524.9	532.6
127.5°	633.4	591.0	569.9	587.1
130°	650.9	613.6	600.8	625.2
132.5°	666.4	637.3	631.6	665.4
135°	689.5	672.8	678.0	724.3
137.5°	717.1	710.6	727.9	786.3
140°	734.6	738.4	762.9	828.5
142.5°	758.2	767.2	798.9	868.6
145°	795.0	814.3	855.5	925.0
147.5°	836.7	861.7	912.6	983.9
150°	864.5	896.7	950.7	1018.9
152.5°	896.4	929.6	983.6	1052.8
155°	945.5	982.8	1039.4	1098.6
157.5°	995.7	1033.8	1087.8	1139.5
160°	1026.6	1067.8	1116.6	1164.2
162.5°	1061.6	1099.7	1142.4	1184.8
165°	1112.8	1143.7	1178.4	1214.4
167.5°	1155.7	1181.5	1208.7	1236.8
170°	1183.5	1204.1	1227.3	1249.1
172.5°	1207.2	1223.7	1240.7	1259.4
175°	1238.8	1247.9	1258.1	1269.7
177.5°	1263.3	1266.4	1269.5	1274.6
180°	1273.6	1273.6	1273.6	1273.6



TEST NUMBER: P1428104  
 CATALOG NUMBER: SQ2W-PP3-K-100U-125D-L930-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	20.72	21.64	21.60	22.53	23.66	16.49	17.41	17.37	18.30	19.43
	3H	21.79	22.61	22.68	23.51	24.66	17.81	18.63	18.70	19.53	20.68
	4H	22.16	22.93	23.07	23.84	25.00	18.37	19.14	19.27	20.05	21.21
	6H	22.36	23.07	23.27	23.98	25.16	18.74	19.45	19.65	20.36	21.54
	8H	22.42	23.10	23.35	24.03	25.20	18.87	19.54	19.79	20.47	21.65
	12H	22.45	23.09	23.37	24.01	25.21	18.90	19.55	19.83	20.47	21.67
4H	2H	20.85	21.62	21.76	22.53	23.69	17.41	18.19	18.32	19.09	20.25
	3H	22.15	22.79	23.07	23.73	24.91	18.84	19.48	19.76	20.42	21.60
	4H	22.66	23.24	23.59	24.18	25.38	19.46	20.05	20.39	20.98	22.18
	6H	22.98	23.48	23.92	24.44	25.64	19.91	20.41	20.86	21.37	22.58
	8H	23.09	23.56	24.04	24.51	25.73	20.08	20.55	21.03	21.50	22.72
	12H	23.14	23.56	24.10	24.53	25.75	20.14	20.56	21.10	21.53	22.75
8H	4H	22.68	23.15	23.63	24.10	25.32	19.78	20.25	20.72	21.20	22.41
	6H	23.10	23.49	24.07	24.48	25.69	20.34	20.73	21.31	21.72	22.93
	8H	23.28	23.62	24.26	24.60	25.84	20.59	20.93	21.57	21.91	23.15
	12H	23.38	23.68	24.36	24.66	25.94	20.69	20.99	21.67	21.97	23.25
12H	4H	22.65	23.07	23.61	24.04	25.26	19.79	20.21	20.76	21.18	22.40
	6H	23.09	23.43	24.07	24.42	25.65	20.40	20.75	21.39	21.73	22.96
	8H	23.29	23.59	24.27	24.57	25.85	20.68	20.98	21.67	21.96	23.24