

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: P1428106

Luminaire Tested: SQ2W-PP3-K-100U-125D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428106  
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-L940-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: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

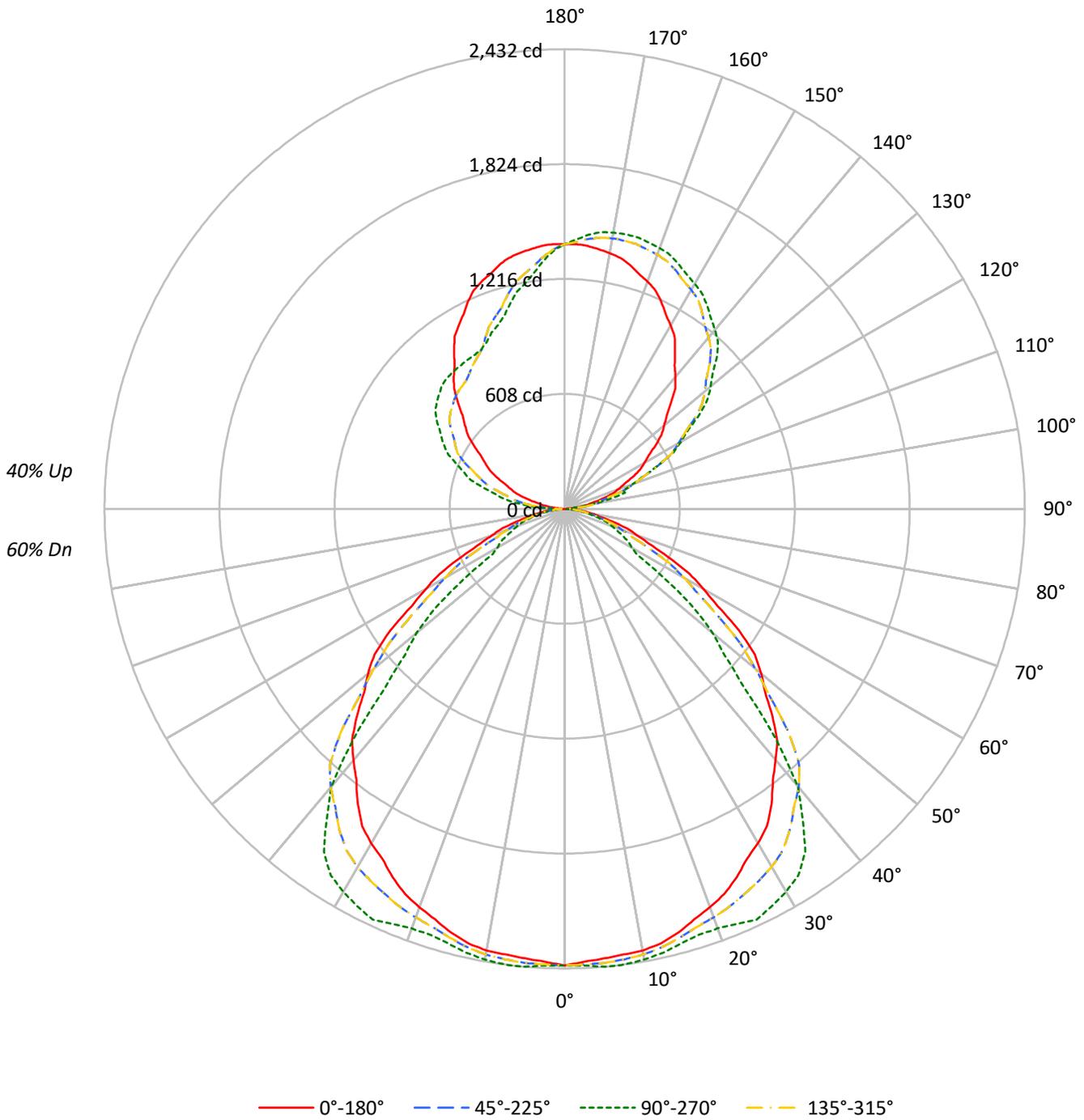
Lumens per Lamp: N/A  
Luminaire Lumens: 10181.7 lumens  
Efficiency: N/A  
Efficacy: 123.7 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.41 / 1.4  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 82.3  
Input Voltage (V): 120  
Input Current (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

TEST NUMBER: P1428106

CATALOG NUMBER: SQ2W-PP3-K-100U-125D-L940-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°	39017	39017	39017	39017
5°	38711	39414	38711	39414
10°	38908	39703	38908	39703
15°	38814	39797	38814	39797
20°	38537	40600	38537	40600
25°	38318	42732	38318	42732
30°	38101	43625	38101	43625
35°	37561	43705	37561	43705
40°	36557	40381	36557	40381
45°	35465	30740	35465	30740
50°	34073	25603	34073	25603
55°	31713	18409	31713	18409
60°	27305	13197	27305	13197
65°	23033	12982	23033	12982
70°	19175	12420	19175	12420
75°	16257	11634	16257	11634
80°	13779	10451	13779	10451
85°	10893	5687	10893	5687

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 40°  
 Vertical Angle: 45°  
 Luminance: 38796 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	230.1	2.3
10°-20°	666.0	6.5
20°-30°	1043.3	10.2
30°-40°	1287.0	12.6
40°-50°	1211.7	11.9
50°-60°	858.0	8.4
60°-70°	488.9	4.8
70°-80°	242.0	2.4
80°-90°	64.9	0.6
90°-100°	111.5	1.1
100°-110°	325.1	3.2
110°-120°	530.5	5.2
120°-130°	673.2	6.6
130°-140°	720.3	7.1
140°-150°	672.6	6.6
150°-160°	553.5	5.4
160°-170°	371.2	3.6
170°-180°	131.8	1.3
0°-30°	1939.4	19.0
0°-40°	3226.5	31.7
0°-60°	5296.2	52.0
0°-90°	6092.0	59.8
90°-120°	967.1	9.5
90°-150°	3033.2	29.8
90°-180°	4090.0	40.2
0°-180°	10181.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2417	2417	2417	2417	2417	
5°	2388	2432	2388	2432	2388	228
15°	2322	2381	2322	2381	2322	654
25°	2151	2399	2151	2399	2151	991
35°	1906	2217	1906	2217	1906	1188
45°	1553	1346	1553	1346	1553	1196
55°	1127	654	1127	654	1127	994
65°	603	340	603	340	603	605
75°	261	186	261	186	261	282
85°	59	31	59	31	59	69
90°	4	31	4	61	4	6
95°	44	32	44	191	44	53
105°	207	331	207	456	207	220
115°	396	549	396	676	396	390
125°	586	870	586	829	586	524
135°	796	1139	796	918	796	616
145°	1017	1313	1017	938	1017	636
155°	1208	1426	1208	973	1208	555
165°	1336	1487	1336	1120	1336	376
175°	1396	1456	1396	1314	1396	132
180°	1401	1401	1401	1401	1401	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2416.6	2416.6	2416.6	2416.6	2416.6	2416.6	2416.6	2416.6	2416.6	2416.6	2416.6
2.5°	2398.2	2413.7	2429.1	2425.5	2415.5	2411.4	2413.2	2415.0	2416.8	2418.7	2416.8
5°	2388.5	2407.8	2427.1	2424.3	2414.1	2410.1	2412.4	2416.1	2424.0	2431.9	2424.0
7.5°	2379.3	2399.1	2418.8	2416.3	2406.3	2403.2	2407.1	2412.4	2422.2	2431.9	2422.2
10°	2373.2	2390.2	2407.3	2404.7	2395.6	2393.9	2399.6	2405.8	2413.8	2421.7	2413.8
12.5°	2354.8	2370.9	2387.0	2384.9	2376.8	2376.4	2383.9	2391.3	2398.3	2405.4	2398.3
15°	2322.1	2336.9	2351.6	2351.9	2347.4	2350.2	2360.4	2369.5	2375.2	2380.9	2375.2
17.5°	2277.7	2295.6	2313.5	2317.7	2317.2	2324.3	2338.8	2351.2	2357.1	2363.0	2357.1
20°	2242.9	2264.5	2286.1	2293.1	2295.4	2305.6	2323.8	2340.3	2351.6	2363.0	2351.6
22.5°	2206.1	2231.3	2256.5	2265.9	2270.0	2285.7	2312.9	2338.2	2357.7	2377.3	2357.7
25°	2150.9	2175.9	2200.9	2219.1	2235.0	2262.8	2302.5	2339.7	2369.2	2398.7	2369.2
27.5°	2086.6	2111.3	2136.1	2167.3	2200.7	2239.7	2284.5	2323.9	2347.2	2370.6	2347.2
30°	2043.7	2067.5	2091.3	2127.1	2166.8	2210.0	2256.5	2296.8	2318.4	2340.0	2318.4
32.5°	1990.5	2015.3	2040.0	2078.1	2120.5	2166.8	2217.0	2259.6	2279.4	2299.1	2279.4
35°	1905.7	1929.5	1953.4	1997.7	2048.8	2100.4	2152.6	2194.7	2206.0	2217.4	2206.0
37.5°	1808.1	1835.1	1862.2	1911.8	1969.1	2012.3	2041.6	2063.7	2064.4	2065.1	2064.4
40°	1734.5	1769.7	1804.9	1854.6	1909.1	1939.2	1944.9	1945.4	1930.7	1915.9	1930.7
42.5°	1663.0	1708.2	1753.4	1793.3	1831.5	1839.3	1816.8	1783.5	1717.9	1652.3	1717.9
45°	1553.2	1606.5	1659.9	1684.3	1699.1	1649.1	1534.4	1437.1	1391.7	1346.3	1391.7
47.5°	1436.2	1488.9	1541.5	1534.8	1508.2	1432.6	1307.9	1206.6	1175.3	1143.9	1175.3
50°	1356.5	1406.4	1456.4	1420.3	1355.6	1270.5	1164.9	1078.3	1048.8	1019.3	1048.8
52.5°	1266.6	1311.1	1355.6	1301.1	1213.7	1124.0	1032.0	951.8	906.9	861.9	906.9
55°	1126.6	1157.2	1187.9	1128.3	1038.6	939.8	831.9	740.3	697.1	654.0	697.1
57.5°	958.0	979.5	1001.1	954.2	884.5	786.3	659.6	552.5	504.1	455.7	504.1
60°	845.6	862.6	879.6	837.0	774.6	680.9	556.0	456.4	432.6	408.7	432.6
62.5°	743.4	758.6	773.8	729.4	665.2	581.5	478.4	399.0	390.6	382.2	390.6
65°	602.9	617.6	632.4	585.8	518.9	453.6	390.0	342.0	340.9	339.8	340.9
67.5°	479.7	495.9	512.0	468.2	404.4	356.1	323.4	298.5	297.2	295.8	297.2
70°	406.2	423.2	440.2	399.4	339.2	300.0	281.9	267.7	265.4	263.1	265.4
72.5°	344.9	361.0	377.1	341.5	288.6	256.2	244.4	235.2	233.8	232.5	233.8
75°	260.6	273.1	285.5	259.7	221.1	199.0	193.3	188.8	187.6	186.5	187.6
77.5°	189.0	197.0	204.9	188.0	162.8	148.7	145.8	143.3	142.1	141.0	142.1
80°	148.2	151.6	155.0	143.1	126.0	116.9	115.8	114.7	113.5	112.4	113.5
82.5°	111.4	110.2	109.1	102.2	93.3	88.3	87.2	85.8	83.8	81.7	83.8
85°	58.8	56.5	54.2	51.9	49.7	46.3	41.7	37.5	34.1	30.7	34.1
87.5°	19.2	20.4	21.8	19.5	15.8	13.4	12.5	12.1	12.4	12.4	12.4
90°	4.2	9.9	17.0	22.6	26.9	28.3	28.3	29.7	31.1	31.1	31.1
92.5°	15.6	24.6	24.9	24.9	30.3	32.8	35.1	35.4	36.8	36.8	36.8
95°	43.9	48.1	72.2	70.7	48.1	38.2	32.5	32.5	32.5	32.5	32.5
97.5°	83.8	90.0	93.9	125.9	133.0	128.5	104.7	88.0	78.7	74.4	78.7
100°	118.8	121.7	130.2	131.6	166.9	200.9	183.9	162.7	155.6	151.4	155.6
102.5°	153.9	155.6	168.6	174.6	182.8	202.0	260.9	254.4	249.6	248.7	249.6
105°	206.6	208.0	232.0	243.3	249.0	249.0	247.6	275.9	321.2	331.1	321.2
107.5°	262.9	269.4	297.7	328.0	334.5	336.2	328.8	324.6	322.9	324.0	322.9
110°	301.4	311.3	345.2	383.4	393.3	396.1	393.3	389.1	386.2	386.2	386.2



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	338.7	353.1	391.6	435.5	452.2	460.7	454.4	451.3	448.5	450.8	448.5
115°	396.1	417.4	468.3	513.6	547.5	551.8	550.4	550.4	548.9	548.9	548.9
117.5°	449.3	483.3	540.5	593.1	632.4	643.7	649.4	647.7	646.0	648.8	646.0
120°	486.7	526.3	591.4	650.8	689.0	706.0	711.6	708.8	711.6	708.8	711.6
122.5°	526.3	575.0	638.9	700.6	745.6	764.8	771.6	772.2	772.8	771.1	772.8
125°	585.7	645.2	720.1	783.8	830.5	853.1	858.8	860.2	863.0	870.1	863.0
127.5°	645.7	713.1	795.4	856.8	904.6	932.1	940.8	944.0	949.9	953.0	949.9
130°	687.6	764.0	847.5	905.5	952.2	981.9	997.4	1001.7	1008.8	1007.3	1008.8
132.5°	731.7	811.5	896.1	956.4	999.7	1031.7	1045.0	1057.1	1059.7	1061.7	1059.7
135°	796.5	882.8	967.7	1027.2	1068.2	1099.3	1116.3	1127.6	1134.7	1138.9	1134.7
137.5°	864.7	955.8	1037.3	1090.3	1131.6	1158.4	1177.7	1189.6	1196.9	1200.3	1196.9
140°	911.1	998.9	1078.1	1133.3	1170.0	1196.9	1213.9	1228.1	1236.5	1236.5	1236.5
142.5°	955.3	1041.9	1118.8	1174.0	1206.3	1230.9	1249.0	1259.7	1269.4	1269.4	1269.4
145°	1017.2	1103.6	1174.3	1229.5	1256.4	1279.0	1298.8	1307.3	1312.9	1312.9	1312.9
147.5°	1082.0	1158.4	1223.0	1275.9	1298.5	1325.1	1340.7	1347.5	1354.5	1351.4	1354.5
150°	1120.5	1191.3	1253.5	1303.0	1325.7	1351.1	1366.7	1372.4	1379.4	1375.2	1379.4
152.5°	1157.9	1225.2	1281.8	1327.9	1347.2	1372.6	1390.5	1396.1	1400.9	1397.8	1400.9
155°	1208.2	1267.7	1320.0	1362.5	1379.4	1403.5	1420.5	1427.5	1433.2	1426.1	1433.2
157.5°	1253.2	1304.5	1350.0	1389.1	1407.2	1427.8	1443.7	1452.4	1458.1	1455.0	1458.1
160°	1280.4	1327.1	1368.1	1404.9	1421.9	1440.3	1457.3	1467.2	1472.8	1468.6	1472.8
162.5°	1303.0	1345.2	1384.0	1417.4	1432.1	1448.2	1468.6	1477.3	1483.0	1477.6	1483.0
165°	1335.6	1369.5	1403.5	1431.8	1444.5	1457.3	1478.5	1488.4	1492.6	1487.0	1492.6
167.5°	1360.2	1386.2	1413.7	1438.0	1447.4	1459.8	1481.0	1489.2	1494.6	1487.5	1494.6
170°	1373.8	1396.4	1420.5	1440.3	1447.4	1458.7	1479.9	1487.0	1491.2	1484.1	1491.2
172.5°	1385.1	1402.1	1421.6	1439.1	1442.8	1451.9	1472.0	1479.0	1482.2	1476.2	1482.2
175°	1396.4	1406.3	1420.5	1431.8	1430.4	1436.0	1453.0	1458.7	1464.3	1455.8	1464.3
177.5°	1401.8	1406.3	1410.8	1417.6	1413.1	1413.1	1425.6	1429.0	1430.1	1425.6	1430.1
180°	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2416.6	2416.6	2416.6	2416.6	2416.6	2416.6	2416.6	2416.6	2416.6	2416.6	2416.6
2.5°	2415.0	2413.2	2411.4	2415.5	2425.5	2429.1	2413.7	2398.2	2413.7	2429.1	2425.5
5°	2416.1	2412.4	2410.1	2414.1	2424.3	2427.1	2407.8	2388.5	2407.8	2427.1	2424.3
7.5°	2412.4	2407.1	2403.2	2406.3	2416.3	2418.8	2399.1	2379.3	2399.1	2418.8	2416.3
10°	2405.8	2399.6	2393.9	2395.6	2404.7	2407.3	2390.2	2373.2	2390.2	2407.3	2404.7
12.5°	2391.3	2383.9	2376.4	2376.8	2384.9	2387.0	2370.9	2354.8	2370.9	2387.0	2384.9
15°	2369.5	2360.4	2350.2	2347.4	2351.9	2351.6	2336.9	2322.1	2336.9	2351.6	2351.9
17.5°	2351.2	2338.8	2324.3	2317.2	2317.7	2313.5	2295.6	2277.7	2295.6	2313.5	2317.7
20°	2340.3	2323.8	2305.6	2295.4	2293.1	2286.1	2264.5	2242.9	2264.5	2286.1	2293.1
22.5°	2338.2	2312.9	2285.7	2270.0	2265.9	2256.5	2231.3	2206.1	2231.3	2256.5	2265.9
25°	2339.7	2302.5	2262.8	2235.0	2219.1	2200.9	2175.9	2150.9	2175.9	2200.9	2219.1
27.5°	2323.9	2284.5	2239.7	2200.7	2167.3	2136.1	2111.3	2086.6	2111.3	2136.1	2167.3
30°	2296.8	2256.5	2210.0	2166.8	2127.1	2091.3	2067.5	2043.7	2067.5	2091.3	2127.1
32.5°	2259.6	2217.0	2166.8	2120.5	2078.1	2040.0	2015.3	1990.5	2015.3	2040.0	2078.1
35°	2194.7	2152.6	2100.4	2048.8	1997.7	1953.4	1929.5	1905.7	1929.5	1953.4	1997.7
37.5°	2063.7	2041.6	2012.3	1969.1	1911.8	1862.2	1835.1	1808.1	1835.1	1862.2	1911.8
40°	1945.4	1944.9	1939.2	1909.1	1854.6	1804.9	1769.7	1734.5	1769.7	1804.9	1854.6
42.5°	1783.5	1816.8	1839.3	1831.5	1793.3	1753.4	1708.2	1663.0	1708.2	1753.4	1793.3
45°	1437.1	1534.4	1649.1	1699.1	1684.3	1659.9	1606.5	1553.2	1606.5	1659.9	1684.3
47.5°	1206.6	1307.9	1432.6	1508.2	1534.8	1541.5	1488.9	1436.2	1488.9	1541.5	1534.8
50°	1078.3	1164.9	1270.5	1355.6	1420.3	1456.4	1406.4	1356.5	1406.4	1456.4	1420.3
52.5°	951.8	1032.0	1124.0	1213.7	1301.1	1355.6	1311.1	1266.6	1311.1	1355.6	1301.1
55°	740.3	831.9	939.8	1038.6	1128.3	1187.9	1157.2	1126.6	1157.2	1187.9	1128.3
57.5°	552.5	659.6	786.3	884.5	954.2	1001.1	979.5	958.0	979.5	1001.1	954.2
60°	456.4	556.0	680.9	774.6	837.0	879.6	862.6	845.6	862.6	879.6	837.0
62.5°	399.0	478.4	581.5	665.2	729.4	773.8	758.6	743.4	758.6	773.8	729.4
65°	342.0	390.0	453.6	518.9	585.8	632.4	617.6	602.9	617.6	632.4	585.8
67.5°	298.5	323.4	356.1	404.4	468.2	512.0	495.9	479.7	495.9	512.0	468.2
70°	267.7	281.9	300.0	339.2	399.4	440.2	423.2	406.2	423.2	440.2	399.4
72.5°	235.2	244.4	256.2	288.6	341.5	377.1	361.0	344.9	361.0	377.1	341.5
75°	188.8	193.3	199.0	221.1	259.7	285.5	273.1	260.6	273.1	285.5	259.7
77.5°	143.3	145.8	148.7	162.8	188.0	204.9	197.0	189.0	197.0	204.9	188.0
80°	114.7	115.8	116.9	126.0	143.1	155.0	151.6	148.2	151.6	155.0	143.1
82.5°	85.8	87.2	88.3	93.3	102.2	109.1	110.2	111.4	110.2	109.1	102.2
85°	37.5	41.7	46.3	49.7	51.9	54.2	56.5	58.8	56.5	54.2	51.9
87.5°	12.1	12.5	13.4	15.8	19.5	21.8	20.4	19.2	20.4	21.5	20.1
90°	29.7	28.3	28.3	26.9	22.6	17.0	9.9	4.2	9.9	15.6	25.5
92.5°	35.4	35.1	32.8	30.3	24.9	24.9	24.6	15.6	26.9	38.2	54.9
95°	32.5	32.5	38.2	48.1	70.7	72.2	48.1	43.9	62.3	87.7	110.4
97.5°	88.0	104.7	128.5	133.0	125.9	93.9	90.0	83.8	114.0	139.2	175.7
100°	162.7	183.9	200.9	166.9	131.6	130.2	121.7	118.8	151.4	175.4	210.8
102.5°	254.4	260.9	202.0	182.8	174.6	168.6	155.6	153.9	186.5	219.6	249.3
105°	275.9	247.6	249.0	249.0	243.3	232.0	208.0	206.6	243.3	281.5	318.3
107.5°	324.6	328.8	336.2	334.5	328.0	297.7	269.4	262.9	296.0	341.8	382.3
110°	389.1	393.3	396.1	393.3	383.4	345.2	311.3	301.4	331.1	379.2	423.0



TEST NUMBER: P1428106

CATALOG NUMBER: SQ2W-PP3-K-100U-125D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	451.3	454.4	460.7	452.2	435.5	391.6	353.1	338.7	368.4	417.7	462.6
115°	550.4	550.4	551.8	547.5	513.6	468.3	417.4	396.1	421.6	466.9	516.4
117.5°	647.7	649.4	643.7	632.4	593.1	540.5	483.3	449.3	469.4	517.3	568.2
120°	708.8	711.6	706.0	689.0	650.8	591.4	526.3	486.7	502.3	548.9	599.9
122.5°	772.2	771.6	764.8	745.6	700.6	638.9	575.0	526.3	532.8	576.1	625.9
125°	860.2	858.8	853.1	830.5	783.8	720.1	645.2	585.7	577.2	614.0	665.0
127.5°	944.0	940.8	932.1	904.6	856.8	795.4	713.1	645.7	626.8	650.0	696.7
130°	1001.7	997.4	981.9	952.2	905.5	847.5	764.0	687.6	660.7	674.9	715.9
132.5°	1057.1	1045.0	1031.7	999.7	956.4	896.1	811.5	731.7	694.7	700.9	732.9
135°	1127.6	1116.3	1099.3	1068.2	1027.2	967.7	882.8	796.5	745.6	739.9	758.3
137.5°	1189.6	1177.7	1158.4	1131.6	1090.3	1037.3	955.8	864.7	800.5	781.5	788.6
140°	1228.1	1213.9	1196.9	1170.0	1133.3	1078.1	998.9	911.1	839.0	812.1	807.9
142.5°	1259.7	1249.0	1230.9	1206.3	1174.0	1118.8	1041.9	955.3	878.6	843.8	833.9
145°	1307.3	1298.8	1279.0	1256.4	1229.5	1174.3	1103.6	1017.2	940.8	895.6	874.4
147.5°	1347.5	1340.7	1325.1	1298.5	1275.9	1223.0	1158.4	1082.0	1003.7	947.6	920.2
150°	1372.4	1366.7	1351.1	1325.7	1303.0	1253.5	1191.3	1120.5	1045.5	986.1	950.8
152.5°	1396.1	1390.5	1372.6	1347.2	1327.9	1281.8	1225.2	1157.9	1081.8	1022.3	985.8
155°	1427.5	1420.5	1403.5	1379.4	1362.5	1320.0	1267.7	1208.2	1143.2	1080.9	1039.9
157.5°	1452.4	1443.7	1427.8	1407.2	1389.1	1350.0	1304.5	1253.2	1196.4	1136.9	1095.1
160°	1467.2	1457.3	1440.3	1421.9	1404.9	1368.1	1327.1	1280.4	1228.1	1174.3	1129.0
162.5°	1477.3	1468.6	1448.2	1432.1	1417.4	1384.0	1345.2	1303.0	1256.4	1209.4	1167.5
165°	1488.4	1478.5	1457.3	1444.5	1431.8	1403.5	1369.5	1335.6	1296.0	1257.8	1223.8
167.5°	1489.2	1481.0	1459.8	1447.4	1438.0	1413.7	1386.2	1360.2	1329.4	1299.4	1271.1
170°	1487.0	1479.9	1458.7	1447.4	1440.3	1420.5	1396.4	1373.8	1349.7	1324.3	1301.6
172.5°	1479.0	1472.0	1451.9	1442.8	1439.1	1421.6	1402.1	1385.1	1364.4	1345.8	1327.7
175°	1458.7	1453.0	1436.0	1430.4	1431.8	1420.5	1406.3	1396.4	1383.7	1372.4	1362.5
177.5°	1429.0	1425.6	1413.1	1413.1	1417.6	1410.8	1406.3	1401.8	1396.1	1392.7	1389.3
180°	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7



TEST NUMBER: P1428106

CATALOG NUMBER: SQ2W-PP3-K-100U-125D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2416.6	2416.6	2416.6	2416.6	2416.6	2416.6	2416.6	2416.6	2416.6	2416.6	2416.6
2.5°	2415.5	2411.4	2413.2	2415.0	2416.8	2418.7	2416.8	2415.0	2413.2	2411.4	2415.5
5°	2414.1	2410.1	2412.4	2416.1	2424.0	2431.9	2424.0	2416.1	2412.4	2410.1	2414.1
7.5°	2406.3	2403.2	2407.1	2412.4	2422.2	2431.9	2422.2	2412.4	2407.1	2403.2	2406.3
10°	2395.6	2393.9	2399.6	2405.8	2413.8	2421.7	2413.8	2405.8	2399.6	2393.9	2395.6
12.5°	2376.8	2376.4	2383.9	2391.3	2398.3	2405.4	2398.3	2391.3	2383.9	2376.4	2376.8
15°	2347.4	2350.2	2360.4	2369.5	2375.2	2380.9	2375.2	2369.5	2360.4	2350.2	2347.4
17.5°	2317.2	2324.3	2338.8	2351.2	2357.1	2363.0	2357.1	2351.2	2338.8	2324.3	2317.2
20°	2295.4	2305.6	2323.8	2340.3	2351.6	2363.0	2351.6	2340.3	2323.8	2305.6	2295.4
22.5°	2270.0	2285.7	2312.9	2338.2	2357.7	2377.3	2357.7	2338.2	2312.9	2285.7	2270.0
25°	2235.0	2262.8	2302.5	2339.7	2369.2	2398.7	2369.2	2339.7	2302.5	2262.8	2235.0
27.5°	2200.7	2239.7	2284.5	2323.9	2347.2	2370.6	2347.2	2323.9	2284.5	2239.7	2200.7
30°	2166.8	2210.0	2256.5	2296.8	2318.4	2340.0	2318.4	2296.8	2256.5	2210.0	2166.8
32.5°	2120.5	2166.8	2217.0	2259.6	2279.4	2299.1	2279.4	2259.6	2217.0	2166.8	2120.5
35°	2048.8	2100.4	2152.6	2194.7	2206.0	2217.4	2206.0	2194.7	2152.6	2100.4	2048.8
37.5°	1969.1	2012.3	2041.6	2063.7	2064.4	2065.1	2064.4	2063.7	2041.6	2012.3	1969.1
40°	1909.1	1939.2	1944.9	1945.4	1930.7	1915.9	1930.7	1945.4	1944.9	1939.2	1909.1
42.5°	1831.5	1839.3	1816.8	1783.5	1717.9	1652.3	1717.9	1783.5	1816.8	1839.3	1831.5
45°	1699.1	1649.1	1534.4	1437.1	1391.7	1346.3	1391.7	1437.1	1534.4	1649.1	1699.1
47.5°	1508.2	1432.6	1307.9	1206.6	1175.3	1143.9	1175.3	1206.6	1307.9	1432.6	1508.2
50°	1355.6	1270.5	1164.9	1078.3	1048.8	1019.3	1048.8	1078.3	1164.9	1270.5	1355.6
52.5°	1213.7	1124.0	1032.0	951.8	906.9	861.9	906.9	951.8	1032.0	1124.0	1213.7
55°	1038.6	939.8	831.9	740.3	697.1	654.0	697.1	740.3	831.9	939.8	1038.6
57.5°	884.5	786.3	659.6	552.5	504.1	455.7	504.1	552.5	659.6	786.3	884.5
60°	774.6	680.9	556.0	456.4	432.6	408.7	432.6	456.4	556.0	680.9	774.6
62.5°	665.2	581.5	478.4	399.0	390.6	382.2	390.6	399.0	478.4	581.5	665.2
65°	518.9	453.6	390.0	342.0	340.9	339.8	340.9	342.0	390.0	453.6	518.9
67.5°	404.4	356.1	323.4	298.5	297.2	295.8	297.2	298.5	323.4	356.1	404.4
70°	339.2	300.0	281.9	267.7	265.4	263.1	265.4	267.7	281.9	300.0	339.2
72.5°	288.6	256.2	244.4	235.2	233.8	232.5	233.8	235.2	244.4	256.2	288.6
75°	221.1	199.0	193.3	188.8	187.6	186.5	187.6	188.8	193.3	199.0	221.1
77.5°	162.8	148.7	145.8	143.3	142.1	141.0	142.1	143.3	145.8	148.7	162.8
80°	126.0	116.9	115.8	114.7	113.5	112.4	113.5	114.7	115.8	116.9	126.0
82.5°	93.3	88.3	87.2	85.8	83.8	81.7	83.8	85.8	87.2	88.3	93.3
85°	49.7	46.3	41.7	37.5	34.1	30.7	34.1	37.5	41.7	46.3	49.7
87.5°	17.0	16.2	17.3	17.7	18.9	18.3	18.9	17.7	17.3	16.2	17.0
90°	32.5	42.4	52.3	58.0	63.7	60.8	63.7	58.0	52.3	42.4	32.5
92.5°	65.4	82.1	94.2	104.4	108.9	108.4	108.9	104.4	94.2	82.1	65.4
95°	131.6	151.4	171.2	185.3	193.8	191.0	193.8	185.3	171.2	151.4	131.6
97.5°	202.9	229.5	251.6	264.9	273.3	279.0	273.3	264.9	251.6	229.5	202.9
100°	250.4	275.9	301.4	316.9	331.1	336.7	331.1	316.9	301.4	275.9	250.4
102.5°	288.9	322.3	350.0	366.7	378.6	384.3	378.6	366.7	350.0	322.3	288.9
105°	352.3	387.7	417.4	438.6	451.3	455.6	451.3	438.6	417.4	387.7	352.3
107.5°	415.7	452.2	479.6	503.1	518.7	527.7	518.7	503.1	479.6	452.2	415.7
110°	465.5	495.2	524.9	546.1	561.7	567.3	561.7	546.1	524.9	495.2	465.5



TEST NUMBER: P1428106

CATALOG NUMBER: SQ2W-PP3-K-100U-125D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	507.4	540.5	570.2	591.4	609.2	617.1	609.2	591.4	570.2	540.5	507.4
115°	565.9	609.8	636.7	656.5	669.2	676.3	669.2	656.5	636.7	609.8	565.9
117.5°	614.6	660.4	689.9	705.1	711.1	716.2	711.1	705.1	689.9	660.4	614.6
120°	645.2	687.6	721.6	741.4	748.4	751.3	748.4	741.4	721.6	687.6	645.2
122.5°	673.4	713.6	746.5	770.8	782.4	785.2	782.4	770.8	746.5	713.6	673.4
125°	713.1	751.3	785.2	809.3	822.0	829.1	822.0	809.3	785.2	751.3	713.1
127.5°	747.6	788.9	820.0	841.8	854.3	859.9	854.3	841.8	820.0	788.9	747.6
130°	766.8	809.3	840.4	864.4	875.8	881.4	875.8	864.4	840.4	809.3	766.8
132.5°	781.5	826.2	858.5	880.3	892.7	898.4	892.7	880.3	858.5	826.2	781.5
135°	799.4	846.1	880.0	901.2	912.6	918.2	912.6	901.2	880.0	846.1	799.4
137.5°	814.9	857.4	892.7	915.1	925.3	929.0	925.3	915.1	892.7	857.4	814.9
140°	826.2	863.0	898.4	919.6	930.9	932.4	930.9	919.6	898.4	863.0	826.2
142.5°	841.0	869.8	900.7	921.9	933.2	935.8	933.2	921.9	900.7	869.8	841.0
145°	867.3	884.3	905.5	925.3	935.2	938.0	935.2	925.3	905.5	884.3	867.3
147.5°	900.4	905.8	916.8	929.8	939.4	941.4	939.4	929.8	916.8	905.8	900.4
150°	925.3	923.9	928.1	936.6	945.1	943.7	945.1	936.6	928.1	923.9	925.3
152.5°	953.6	945.4	945.1	949.1	953.0	952.7	953.0	949.1	945.1	945.4	953.6
155°	1001.7	986.1	977.6	974.8	974.8	973.4	974.8	974.8	977.6	986.1	1001.7
157.5°	1054.6	1032.8	1020.1	1013.3	1011.3	1008.2	1011.3	1013.3	1020.1	1032.8	1054.6
160°	1090.8	1066.8	1054.0	1042.7	1038.5	1034.2	1038.5	1042.7	1054.0	1066.8	1090.8
162.5°	1124.8	1101.9	1088.0	1077.8	1073.6	1067.1	1073.6	1077.8	1088.0	1101.9	1124.8
165°	1180.0	1155.9	1140.3	1131.8	1126.2	1120.5	1126.2	1131.8	1140.3	1155.9	1180.0
167.5°	1235.1	1208.8	1198.6	1189.0	1183.6	1173.4	1183.6	1189.0	1198.6	1208.8	1235.1
170°	1269.1	1245.0	1239.4	1230.9	1221.0	1209.7	1221.0	1230.9	1239.4	1245.0	1269.1
172.5°	1298.5	1282.4	1276.7	1268.2	1265.1	1256.1	1265.1	1268.2	1276.7	1282.4	1298.5
175°	1341.2	1328.5	1328.5	1327.1	1322.8	1314.4	1322.8	1327.1	1328.5	1328.5	1341.2
177.5°	1376.9	1370.1	1374.6	1374.6	1373.5	1365.6	1373.5	1374.6	1374.6	1370.1	1376.9
180°	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7



TEST NUMBER: P1428106

CATALOG NUMBER: SQ2W-PP3-K-100U-125D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	2416.6	2416.6	2416.6	2416.6
2.5°	2425.5	2429.1	2413.7	2398.2
5°	2424.3	2427.1	2407.8	2388.5
7.5°	2416.3	2418.8	2399.1	2379.3
10°	2404.7	2407.3	2390.2	2373.2
12.5°	2384.9	2387.0	2370.9	2354.8
15°	2351.9	2351.6	2336.9	2322.1
17.5°	2317.7	2313.5	2295.6	2277.7
20°	2293.1	2286.1	2264.5	2242.9
22.5°	2265.9	2256.5	2231.3	2206.1
25°	2219.1	2200.9	2175.9	2150.9
27.5°	2167.3	2136.1	2111.3	2086.6
30°	2127.1	2091.3	2067.5	2043.7
32.5°	2078.1	2040.0	2015.3	1990.5
35°	1997.7	1953.4	1929.5	1905.7
37.5°	1911.8	1862.2	1835.1	1808.1
40°	1854.6	1804.9	1769.7	1734.5
42.5°	1793.3	1753.4	1708.2	1663.0
45°	1684.3	1659.9	1606.5	1553.2
47.5°	1534.8	1541.5	1488.9	1436.2
50°	1420.3	1456.4	1406.4	1356.5
52.5°	1301.1	1355.6	1311.1	1266.6
55°	1128.3	1187.9	1157.2	1126.6
57.5°	954.2	1001.1	979.5	958.0
60°	837.0	879.6	862.6	845.6
62.5°	729.4	773.8	758.6	743.4
65°	585.8	632.4	617.6	602.9
67.5°	468.2	512.0	495.9	479.7
70°	399.4	440.2	423.2	406.2
72.5°	341.5	377.1	361.0	344.9
75°	259.7	285.5	273.1	260.6
77.5°	188.0	204.9	197.0	189.0
80°	143.1	155.0	151.6	148.2
82.5°	102.2	109.1	110.2	111.4
85°	51.9	54.2	56.5	58.8
87.5°	20.1	21.5	20.4	19.2
90°	25.5	15.6	9.9	4.2
92.5°	54.9	38.2	26.9	15.6
95°	110.4	87.7	62.3	43.9
97.5°	175.7	139.2	114.0	83.8
100°	210.8	175.4	151.4	118.8
102.5°	249.3	219.6	186.5	153.9
105°	318.3	281.5	243.3	206.6
107.5°	382.3	341.8	296.0	262.9
110°	423.0	379.2	331.1	301.4



TEST NUMBER: P1428106

CATALOG NUMBER: SQ2W-PP3-K-100U-125D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	462.6	417.7	368.4	338.7
115°	516.4	466.9	421.6	396.1
117.5°	568.2	517.3	469.4	449.3
120°	599.9	548.9	502.3	486.7
122.5°	625.9	576.1	532.8	526.3
125°	665.0	614.0	577.2	585.7
127.5°	696.7	650.0	626.8	645.7
130°	715.9	674.9	660.7	687.6
132.5°	732.9	700.9	694.7	731.7
135°	758.3	739.9	745.6	796.5
137.5°	788.6	781.5	800.5	864.7
140°	807.9	812.1	839.0	911.1
142.5°	833.9	843.8	878.6	955.3
145°	874.4	895.6	940.8	1017.2
147.5°	920.2	947.6	1003.7	1082.0
150°	950.8	986.1	1045.5	1120.5
152.5°	985.8	1022.3	1081.8	1157.9
155°	1039.9	1080.9	1143.2	1208.2
157.5°	1095.1	1136.9	1196.4	1253.2
160°	1129.0	1174.3	1228.1	1280.4
162.5°	1167.5	1209.4	1256.4	1303.0
165°	1223.8	1257.8	1296.0	1335.6
167.5°	1271.1	1299.4	1329.4	1360.2
170°	1301.6	1324.3	1349.7	1373.8
172.5°	1327.7	1345.8	1364.4	1385.1
175°	1362.5	1372.4	1383.7	1396.4
177.5°	1389.3	1392.7	1396.1	1401.8
180°	1400.7	1400.7	1400.7	1400.7



TEST NUMBER: P1428106  
 CATALOG NUMBER: SQ2W-PP3-K-100U-125D-L940-UNV-STD-W-WM-4

**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	21.05	21.97	21.93	22.86	23.99	16.83	17.74	17.70	18.64	19.76
	3H	22.12	22.94	23.01	23.84	24.99	18.14	18.96	19.03	19.86	21.01
	4H	22.49	23.27	23.40	24.17	25.33	18.70	19.47	19.60	20.38	21.54
	6H	22.69	23.40	23.60	24.31	25.49	19.07	19.78	19.98	20.69	21.87
	8H	22.75	23.43	23.68	24.36	25.53	19.20	19.87	20.12	20.80	21.98
	12H	22.78	23.42	23.70	24.34	25.54	19.23	19.88	20.16	20.80	22.00
4H	2H	21.18	21.95	22.09	22.86	24.02	17.74	18.52	18.65	19.42	20.59
	3H	22.48	23.12	23.40	24.06	25.24	19.17	19.81	20.09	20.75	21.93
	4H	22.99	23.57	23.92	24.51	25.71	19.80	20.38	20.73	21.31	22.51
	6H	23.31	23.81	24.25	24.77	25.97	20.24	20.75	21.19	21.70	22.91
	8H	23.42	23.89	24.37	24.84	26.06	20.41	20.88	21.36	21.83	23.05
	12H	23.47	23.89	24.43	24.86	26.08	20.47	20.89	21.43	21.86	23.08
8H	4H	23.01	23.48	23.96	24.43	25.65	20.11	20.58	21.05	21.53	22.74
	6H	23.43	23.82	24.40	24.81	26.02	20.67	21.06	21.64	22.05	23.26
	8H	23.61	23.95	24.59	24.93	26.17	20.92	21.26	21.90	22.24	23.48
	12H	23.71	24.01	24.69	24.99	26.27	21.02	21.32	22.00	22.30	23.58
12H	4H	22.98	23.40	23.94	24.37	25.59	20.12	20.54	21.09	21.51	22.73
	6H	23.42	23.76	24.40	24.75	25.98	20.74	21.08	21.72	22.06	23.29
	8H	23.62	23.92	24.60	24.90	26.18	21.01	21.32	22.00	22.29	23.57