

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: P1427936

Luminaire Tested: SQ2W-PH1-K-100U-125D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427936
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-10)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PH1-K-100U-125D-L930-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE HEX 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

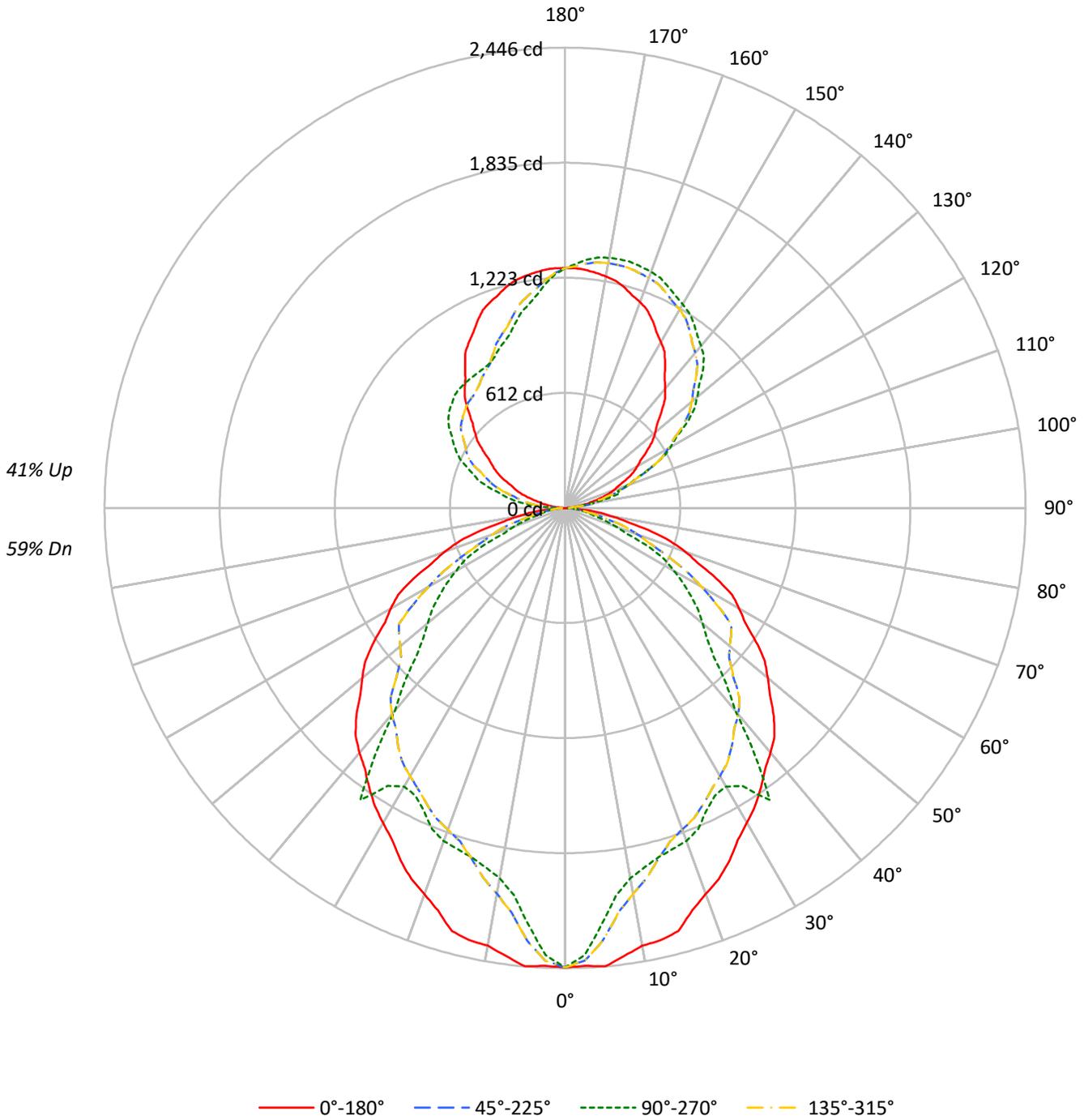
Lumens per Lamp: N/A
Luminaire Lumens: 9121.7 lumens
Efficiency: N/A
Efficacy: 110.8 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.02 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

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

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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	50	30	10	0	
RCR																						
0	109	109	109	109	102	102	102	102	88	88	88	76	76	76	65	65	65	59				
1	100	96	92	89	93	90	86	83	78	76	73	67	66	64	58	56	55	50				
2	91	84	78	73	85	79	73	69	69	65	61	59	56	54	51	49	47	43				
3	83	74	67	61	78	69	63	58	61	56	51	53	49	46	45	42	40	36				
4	76	65	58	51	71	61	54	49	54	48	44	47	43	39	40	37	34	31				
5	70	58	50	44	65	55	48	42	48	42	38	42	38	34	36	33	30	27				
6	65	52	44	38	60	49	42	37	44	38	33	38	33	30	33	29	27	24				
7	60	47	39	34	56	45	37	32	40	34	29	35	30	26	30	26	24	21				
8	56	43	35	30	52	41	34	29	36	30	26	32	27	24	28	24	21	19				
9	52	39	32	27	48	37	30	26	33	27	23	29	25	21	26	22	19	17				
10	48	36	29	24	45	34	28	23	31	25	21	27	23	19	24	20	17	15				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	39416	39416	39416	39416
5°	39641	36027	39641	36027
10°	38729	32750	38729	32750
15°	38903	32110	38903	32110
20°	37515	32367	37515	32367
25°	36828	31614	36828	31614
30°	36030	31873	36030	31873
35°	35756	37358	35756	37358
40°	35788	29619	35788	29619
45°	35800	25512	35800	25512
50°	35298	23920	35298	23920
55°	34848	22950	34848	22950
60°	34503	21525	34503	21525
65°	33898	18724	33898	18724
70°	32020	13378	32020	13378
75°	28546	10143	28546	10143
80°	23328	9502	23328	9502
85°	14635	6447	14635	6447

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 35800 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.8	2.4
10°-20°	565.0	6.2
20°-30°	828.4	9.1
30°-40°	1003.1	11.0
40°-50°	986.4	10.8
50°-60°	858.0	9.4
60°-70°	596.7	6.5
70°-80°	283.0	3.1
80°-90°	67.7	0.7
90°-100°	101.4	1.1
100°-110°	295.6	3.2
110°-120°	482.4	5.3
120°-130°	612.1	6.7
130°-140°	655.0	7.2
140°-150°	611.6	6.7
150°-160°	503.3	5.5
160°-170°	337.5	3.7
170°-180°	119.8	1.3
0°-30°	1608.2	17.6
0°-40°	2611.3	28.6
0°-60°	4455.7	48.8
0°-90°	5403.1	59.2
90°-120°	879.3	9.6
90°-150°	2758.0	30.2
90°-180°	3719.0	40.8
0°-180°	9121.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2441	2441	2441	2441	2441	
5°	2446	2223	2446	2223	2446	230
15°	2327	1921	2327	1921	2327	649
25°	2067	1775	2067	1775	2067	951
35°	1814	1895	1814	1895	1814	1136
45°	1568	1117	1568	1117	1568	1205
55°	1238	815	1238	815	1238	1106
65°	887	490	887	490	887	872
75°	458	163	458	163	458	485
85°	79	35	79	35	79	106
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°	2441.3	2441.3	2441.3	2441.3	2441.3	2441.3	2441.3	2441.3	2441.3	2441.3	2441.3
2.5°	2435.7	2447.2	2458.8	2442.5	2416.9	2399.1	2389.2	2381.4	2379.7	2378.1	2379.7
5°	2445.9	2444.9	2443.8	2395.6	2331.6	2283.6	2251.6	2227.0	2225.0	2222.9	2225.0
7.5°	2401.3	2369.3	2337.3	2272.5	2196.7	2141.2	2105.8	2079.0	2077.3	2075.6	2077.3
10°	2362.3	2313.8	2265.2	2191.9	2110.4	2053.6	2021.6	1997.6	1997.6	1997.6	1997.6
12.5°	2353.0	2276.4	2199.8	2119.5	2037.9	1985.3	1961.5	1945.0	1949.9	1954.9	1949.9
15°	2327.4	2211.8	2096.2	2014.6	1944.4	1906.2	1900.0	1898.2	1909.6	1921.0	1909.6
17.5°	2242.9	2118.4	1993.9	1922.2	1868.1	1847.7	1860.9	1874.1	1887.3	1900.5	1887.3
20°	2183.4	2060.6	1937.7	1871.4	1823.9	1812.6	1837.3	1859.0	1871.4	1883.8	1871.4
22.5°	2133.3	2008.8	1884.3	1825.6	1788.8	1784.1	1811.3	1833.4	1840.0	1846.6	1840.0
25°	2067.3	1926.9	1786.5	1743.6	1733.3	1740.0	1763.8	1780.8	1777.7	1774.6	1777.7
27.5°	1988.3	1841.7	1695.1	1667.6	1679.8	1693.1	1707.6	1718.9	1720.7	1722.6	1720.7
30°	1932.6	1786.0	1639.4	1617.4	1637.1	1654.1	1668.5	1682.7	1696.2	1709.6	1696.2
32.5°	1878.7	1727.1	1575.6	1559.8	1589.4	1621.3	1655.5	1688.9	1719.7	1750.5	1719.7
35°	1814.1	1656.2	1498.2	1485.8	1521.9	1568.4	1625.2	1693.1	1794.2	1895.4	1794.2
37.5°	1746.3	1577.0	1407.7	1402.0	1451.0	1499.9	1548.8	1593.6	1625.8	1658.0	1625.8
40°	1698.0	1520.4	1342.8	1342.6	1401.4	1462.3	1525.3	1553.9	1479.6	1405.3	1479.6
42.5°	1645.9	1468.4	1290.8	1285.6	1337.8	1404.9	1486.9	1517.0	1391.5	1265.9	1391.5
45°	1567.9	1383.1	1198.3	1191.6	1244.2	1281.4	1303.1	1296.9	1207.1	1117.3	1207.1
47.5°	1475.9	1299.8	1123.7	1122.2	1179.0	1183.1	1134.6	1089.4	1054.3	1019.2	1054.3
50°	1405.3	1239.1	1072.9	1080.1	1145.1	1138.9	1061.5	997.8	975.1	952.3	975.1
52.5°	1336.5	1178.6	1020.6	1039.8	1118.1	1105.7	1002.7	921.6	906.3	891.0	906.3
55°	1238.0	1086.3	934.5	977.9	1086.3	1069.8	928.3	821.5	818.4	815.3	818.4
57.5°	1133.5	990.0	846.5	876.6	964.6	947.2	824.6	734.0	739.3	744.7	739.3
60°	1068.5	929.1	789.8	793.6	845.2	828.7	744.1	679.0	672.8	666.6	672.8
62.5°	999.7	867.0	734.2	715.0	733.5	714.1	656.7	612.1	605.9	599.7	605.9
65°	887.3	766.5	645.7	609.3	601.1	573.2	525.7	490.1	490.1	490.1	490.1
67.5°	763.7	658.4	553.1	512.4	493.2	465.5	429.4	396.1	371.3	346.6	371.3
70°	678.3	585.3	492.4	449.8	424.0	391.0	350.7	316.4	299.9	283.4	299.9
72.5°	587.2	507.5	427.8	384.2	352.6	320.4	287.6	258.2	239.2	220.2	239.2
75°	457.6	393.6	329.6	287.3	252.2	219.6	189.7	166.7	164.7	162.6	164.7
77.5°	330.8	284.1	237.4	203.2	173.0	150.4	135.3	124.1	124.3	124.5	124.3
80°	250.9	215.8	180.7	148.7	117.7	101.7	100.7	100.1	101.2	102.2	101.2
82.5°	176.5	150.5	124.5	104.1	85.5	76.9	78.4	79.5	79.7	79.9	79.7
85°	79.0	66.6	54.2	49.6	47.5	44.4	40.3	36.9	35.9	34.8	35.9
87.5°	17.5	17.7	18.2	17.1	15.4	14.4	14.4	14.7	15.0	15.0	15.0
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°	2441.3	2441.3	2441.3	2441.3	2441.3	2441.3	2441.3	2441.3	2441.3	2441.3	2441.3
2.5°	2381.4	2389.2	2399.1	2416.9	2442.5	2458.8	2447.2	2435.7	2447.2	2458.8	2442.5
5°	2227.0	2251.6	2283.6	2331.6	2395.6	2443.8	2444.9	2445.9	2444.9	2443.8	2395.6
7.5°	2079.0	2105.8	2141.2	2196.7	2272.5	2337.3	2369.3	2401.3	2369.3	2337.3	2272.5
10°	1997.6	2021.6	2053.6	2110.4	2191.9	2265.2	2313.8	2362.3	2313.8	2265.2	2191.9
12.5°	1945.0	1961.5	1985.3	2037.9	2119.5	2199.8	2276.4	2353.0	2276.4	2199.8	2119.5
15°	1898.2	1900.0	1906.2	1944.4	2014.6	2096.2	2211.8	2327.4	2211.8	2096.2	2014.6
17.5°	1874.1	1860.9	1847.7	1868.1	1922.2	1993.9	2118.4	2242.9	2118.4	1993.9	1922.2
20°	1859.0	1837.3	1812.6	1823.9	1871.4	1937.7	2060.6	2183.4	2060.6	1937.7	1871.4
22.5°	1833.4	1811.3	1784.1	1788.8	1825.6	1884.3	2008.8	2133.3	2008.8	1884.3	1825.6
25°	1780.8	1763.8	1740.0	1733.3	1743.6	1786.5	1926.9	2067.3	1926.9	1786.5	1743.6
27.5°	1718.9	1707.6	1693.1	1679.8	1667.6	1695.1	1841.7	1988.3	1841.7	1695.1	1667.6
30°	1682.7	1668.5	1654.1	1637.1	1617.4	1639.4	1786.0	1932.6	1786.0	1639.4	1617.4
32.5°	1688.9	1655.5	1621.3	1589.4	1559.8	1575.6	1727.1	1878.7	1727.1	1575.6	1559.8
35°	1693.1	1625.2	1568.4	1521.9	1485.8	1498.2	1656.2	1814.1	1656.2	1498.2	1485.8
37.5°	1593.6	1548.8	1499.9	1451.0	1402.0	1407.7	1577.0	1746.3	1577.0	1407.7	1402.0
40°	1553.9	1525.3	1462.3	1401.4	1342.6	1342.8	1520.4	1698.0	1520.4	1342.8	1342.6
42.5°	1517.0	1486.9	1404.9	1337.8	1285.6	1290.8	1468.4	1645.9	1468.4	1290.8	1285.6
45°	1296.9	1303.1	1281.4	1244.2	1191.6	1198.3	1383.1	1567.9	1383.1	1198.3	1191.6
47.5°	1089.4	1134.6	1183.1	1179.0	1122.2	1123.7	1299.8	1475.9	1299.8	1123.7	1122.2
50°	997.8	1061.5	1138.9	1145.1	1080.1	1072.9	1239.1	1405.3	1239.1	1072.9	1080.1
52.5°	921.6	1002.7	1105.7	1118.1	1039.8	1020.6	1178.6	1336.5	1178.6	1020.6	1039.8
55°	821.5	928.3	1069.8	1086.3	977.9	934.5	1086.3	1238.0	1086.3	934.5	977.9
57.5°	734.0	824.6	947.2	964.6	876.6	846.5	990.0	1133.5	990.0	846.5	876.6
60°	679.0	744.1	828.7	845.2	793.6	789.8	929.1	1068.5	929.1	789.8	793.6
62.5°	612.1	656.7	714.1	733.5	715.0	734.2	867.0	999.7	867.0	734.2	715.0
65°	490.1	525.7	573.2	601.1	609.3	645.7	766.5	887.3	766.5	645.7	609.3
67.5°	396.1	429.4	465.5	493.2	512.4	553.1	658.4	763.7	658.4	553.1	512.4
70°	316.4	350.7	391.0	424.0	449.8	492.4	585.3	678.3	585.3	492.4	449.8
72.5°	258.2	287.6	320.4	352.6	384.2	427.8	507.5	587.2	507.5	427.8	384.2
75°	166.7	189.7	219.6	252.2	287.3	329.6	393.6	457.6	393.6	329.6	287.3
77.5°	124.1	135.3	150.4	173.0	203.2	237.4	284.1	330.8	284.1	237.4	203.2
80°	100.1	100.7	101.7	117.7	148.7	180.7	215.8	250.9	215.8	180.7	148.7
82.5°	79.5	78.4	76.9	85.5	104.1	124.5	150.5	176.5	150.5	124.5	104.1
85°	36.9	40.3	44.4	47.5	49.6	54.2	66.6	79.0	66.6	54.2	49.6
87.5°	14.7	14.4	14.4	15.4	17.1	18.2	17.7	17.5	17.7	17.9	17.6
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: P1427936

CATALOG NUMBER: SQ2W-PH1-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: P1427936

CATALOG NUMBER: SQ2W-PH1-K-100U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2441.3	2441.3	2441.3	2441.3	2441.3	2441.3	2441.3	2441.3	2441.3	2441.3	2441.3
2.5°	2416.9	2399.1	2389.2	2381.4	2379.7	2378.1	2379.7	2381.4	2389.2	2399.1	2416.9
5°	2331.6	2283.6	2251.6	2227.0	2225.0	2222.9	2225.0	2227.0	2251.6	2283.6	2331.6
7.5°	2196.7	2141.2	2105.8	2079.0	2077.3	2075.6	2077.3	2079.0	2105.8	2141.2	2196.7
10°	2110.4	2053.6	2021.6	1997.6	1997.6	1997.6	1997.6	1997.6	2021.6	2053.6	2110.4
12.5°	2037.9	1985.3	1961.5	1945.0	1949.9	1954.9	1949.9	1945.0	1961.5	1985.3	2037.9
15°	1944.4	1906.2	1900.0	1898.2	1909.6	1921.0	1909.6	1898.2	1900.0	1906.2	1944.4
17.5°	1868.1	1847.7	1860.9	1874.1	1887.3	1900.5	1887.3	1874.1	1860.9	1847.7	1868.1
20°	1823.9	1812.6	1837.3	1859.0	1871.4	1883.8	1871.4	1859.0	1837.3	1812.6	1823.9
22.5°	1788.8	1784.1	1811.3	1833.4	1840.0	1846.6	1840.0	1833.4	1811.3	1784.1	1788.8
25°	1733.3	1740.0	1763.8	1780.8	1777.7	1774.6	1777.7	1780.8	1763.8	1740.0	1733.3
27.5°	1679.8	1693.1	1707.6	1718.9	1720.7	1722.6	1720.7	1718.9	1707.6	1693.1	1679.8
30°	1637.1	1654.1	1668.5	1682.7	1696.2	1709.6	1696.2	1682.7	1668.5	1654.1	1637.1
32.5°	1589.4	1621.3	1655.5	1688.9	1719.7	1750.5	1719.7	1688.9	1655.5	1621.3	1589.4
35°	1521.9	1568.4	1625.2	1693.1	1794.2	1895.4	1794.2	1693.1	1625.2	1568.4	1521.9
37.5°	1451.0	1499.9	1548.8	1593.6	1625.8	1658.0	1625.8	1593.6	1548.8	1499.9	1451.0
40°	1401.4	1462.3	1525.3	1553.9	1479.6	1405.3	1479.6	1553.9	1525.3	1462.3	1401.4
42.5°	1337.8	1404.9	1486.9	1517.0	1391.5	1265.9	1391.5	1517.0	1486.9	1404.9	1337.8
45°	1244.2	1281.4	1303.1	1296.9	1207.1	1117.3	1207.1	1296.9	1303.1	1281.4	1244.2
47.5°	1179.0	1183.1	1134.6	1089.4	1054.3	1019.2	1054.3	1089.4	1134.6	1183.1	1179.0
50°	1145.1	1138.9	1061.5	997.8	975.1	952.3	975.1	997.8	1061.5	1138.9	1145.1
52.5°	1118.1	1105.7	1002.7	921.6	906.3	891.0	906.3	921.6	1002.7	1105.7	1118.1
55°	1086.3	1069.8	928.3	821.5	818.4	815.3	818.4	821.5	928.3	1069.8	1086.3
57.5°	964.6	947.2	824.6	734.0	739.3	744.7	739.3	734.0	824.6	947.2	964.6
60°	845.2	828.7	744.1	679.0	672.8	666.6	672.8	679.0	744.1	828.7	845.2
62.5°	733.5	714.1	656.7	612.1	605.9	599.7	605.9	612.1	656.7	714.1	733.5
65°	601.1	573.2	525.7	490.1	490.1	490.1	490.1	490.1	525.7	573.2	601.1
67.5°	493.2	465.5	429.4	396.1	371.3	346.6	371.3	396.1	429.4	465.5	493.2
70°	424.0	391.0	350.7	316.4	299.9	283.4	299.9	316.4	350.7	391.0	424.0
72.5°	352.6	320.4	287.6	258.2	239.2	220.2	239.2	258.2	287.6	320.4	352.6
75°	252.2	219.6	189.7	166.7	164.7	162.6	164.7	166.7	189.7	219.6	252.2
77.5°	173.0	150.4	135.3	124.1	124.3	124.5	124.3	124.1	135.3	150.4	173.0
80°	117.7	101.7	100.7	100.1	101.2	102.2	101.2	100.1	100.7	101.7	117.7
82.5°	85.5	76.9	78.4	79.5	79.7	79.9	79.7	79.5	78.4	76.9	85.5
85°	47.5	44.4	40.3	36.9	35.9	34.8	35.9	36.9	40.3	44.4	47.5
87.5°	16.4	17.0	18.8	19.8	20.9	20.4	20.9	19.8	18.8	17.0	16.4
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	333.4	318.3	293.1	262.7
105°	320.3	352.5	379.5	398.8	410.4	414.2	410.4	398.8	379.5	352.5	320.3
107.5°	378.0	411.1	436.1	457.5	471.6	479.8	471.6	457.5	436.1	411.1	378.0
110°	423.2	450.3	477.3	496.6	510.7	515.9	510.7	496.6	477.3	450.3	423.2



TEST NUMBER: P1427936

CATALOG NUMBER: SQ2W-PH1-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: P1427936

CATALOG NUMBER: SQ2W-PH1-K-100U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2441.3	2441.3	2441.3	2441.3
2.5°	2442.5	2458.8	2447.2	2435.7
5°	2395.6	2443.8	2444.9	2445.9
7.5°	2272.5	2337.3	2369.3	2401.3
10°	2191.9	2265.2	2313.8	2362.3
12.5°	2119.5	2199.8	2276.4	2353.0
15°	2014.6	2096.2	2211.8	2327.4
17.5°	1922.2	1993.9	2118.4	2242.9
20°	1871.4	1937.7	2060.6	2183.4
22.5°	1825.6	1884.3	2008.8	2133.3
25°	1743.6	1786.5	1926.9	2067.3
27.5°	1667.6	1695.1	1841.7	1988.3
30°	1617.4	1639.4	1786.0	1932.6
32.5°	1559.8	1575.6	1727.1	1878.7
35°	1485.8	1498.2	1656.2	1814.1
37.5°	1402.0	1407.7	1577.0	1746.3
40°	1342.6	1342.8	1520.4	1698.0
42.5°	1285.6	1290.8	1468.4	1645.9
45°	1191.6	1198.3	1383.1	1567.9
47.5°	1122.2	1123.7	1299.8	1475.9
50°	1080.1	1072.9	1239.1	1405.3
52.5°	1039.8	1020.6	1178.6	1336.5
55°	977.9	934.5	1086.3	1238.0
57.5°	876.6	846.5	990.0	1133.5
60°	793.6	789.8	929.1	1068.5
62.5°	715.0	734.2	867.0	999.7
65°	609.3	645.7	766.5	887.3
67.5°	512.4	553.1	658.4	763.7
70°	449.8	492.4	585.3	678.3
72.5°	384.2	427.8	507.5	587.2
75°	287.3	329.6	393.6	457.6
77.5°	203.2	237.4	284.1	330.8
80°	148.7	180.7	215.8	250.9
82.5°	104.1	124.5	150.5	176.5
85°	49.6	54.2	66.6	79.0
87.5°	17.6	17.9	17.7	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



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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: P1427936
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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	20.45	21.40	21.33	22.29	23.43	19.28	20.22	20.16	21.12	22.25
	3H	22.64	23.48	23.52	24.38	25.54	20.34	21.18	21.23	22.09	23.25
	4H	23.45	24.25	24.36	25.16	26.33	20.59	21.38	21.49	22.30	23.46
	6H	23.92	24.66	24.84	25.57	26.76	20.73	21.47	21.65	22.38	23.57
	8H	24.08	24.78	25.00	25.71	26.89	20.79	21.49	21.72	22.43	23.61
	12H	24.14	24.81	25.07	25.73	26.94	20.81	21.47	21.74	22.40	23.61
4H	2H	20.90	21.70	21.81	22.61	23.78	19.98	20.77	20.89	21.68	22.85
	3H	23.16	23.82	24.08	24.76	25.95	21.21	21.88	22.13	22.82	24.00
	4H	24.04	24.64	24.97	25.58	26.79	21.51	22.11	22.44	23.05	24.26
	6H	24.60	25.12	25.54	26.08	27.29	21.71	22.23	22.66	23.19	24.40
	8H	24.80	25.29	25.75	26.24	27.47	21.80	22.29	22.75	23.24	24.47
	12H	24.89	25.33	25.86	26.30	27.53	21.83	22.27	22.80	23.24	24.47
8H	4H	24.06	24.55	25.01	25.50	26.73	21.75	22.23	22.69	23.19	24.41
	6H	24.70	25.10	25.67	26.09	27.32	22.02	22.42	22.99	23.41	24.64
	8H	24.96	25.32	25.94	26.30	27.54	22.16	22.52	23.15	23.50	24.74
	12H	25.10	25.41	26.08	26.39	27.68	22.23	22.54	23.22	23.52	24.81
12H	4H	24.02	24.46	24.99	25.43	26.66	21.75	22.18	22.71	23.15	24.38
	6H	24.67	25.03	25.66	26.02	27.26	22.05	22.41	23.03	23.39	24.63
	8H	24.95	25.26	25.94	26.24	27.53	22.22	22.53	23.20	23.51	24.80