

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: P571989

Luminaire Tested: 22ID-50-L850-SWR

Issue Date: 10/5/2021

Test Information

Test Method: LM-79-2019
Report Number: P571989
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2109-397-1)
Test Lab: INNOVATION CENTER
Issue Date: 10/5/2021
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22ID-50-L850-SWR
Description: 5000 LUMEN, 2X2 INDEPTH TROFFER WITH 2IN REGRESSED SWEEP LENS AND 5000K, 80 CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5303.0 lumens
Efficiency: N/A
Efficacy: 129.0 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.2 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

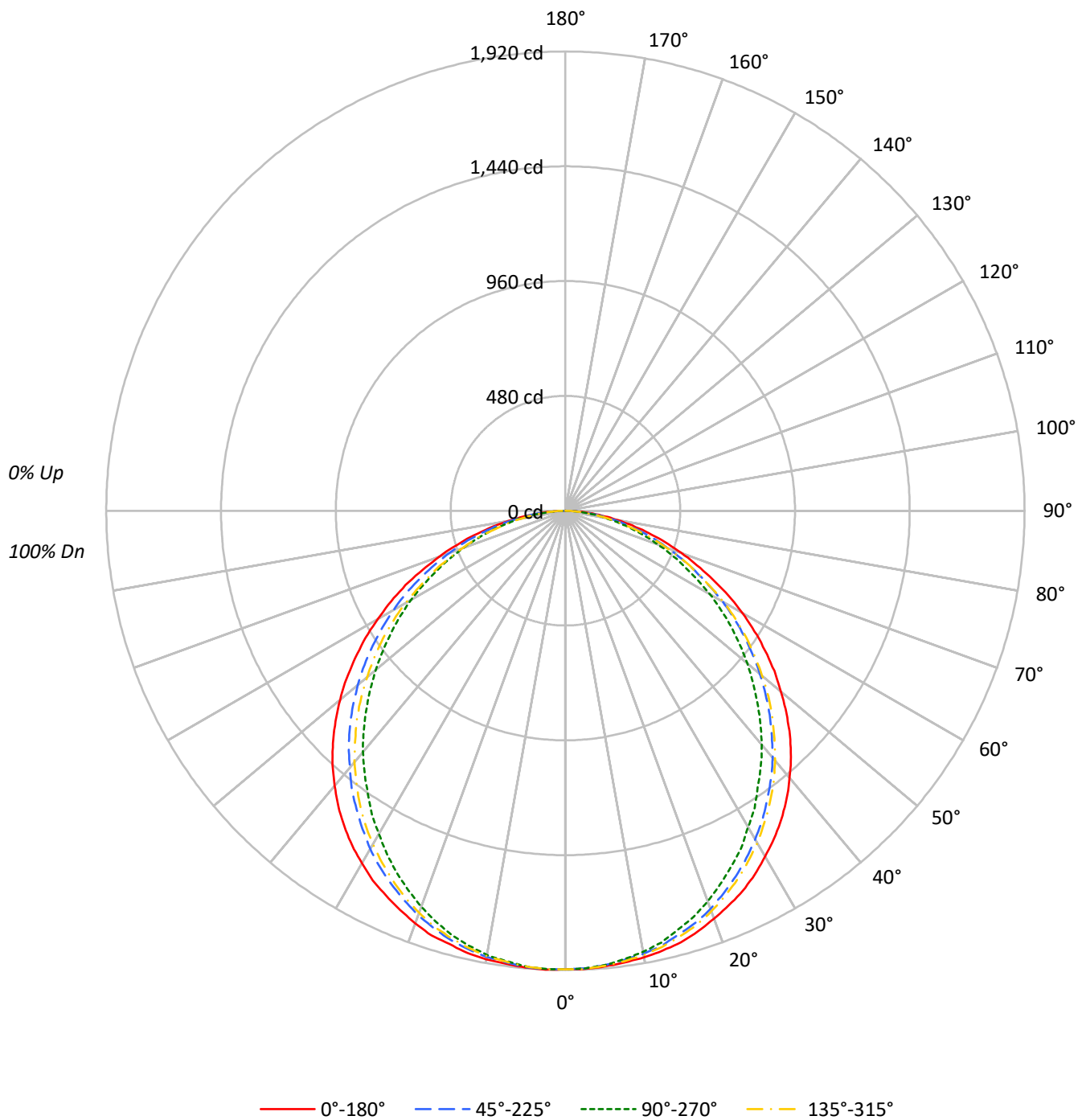
Input Watts (W): 41.1
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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CATALOG NUMBER: 22ID-50-L850-SWR

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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	109	104	100	96	106	102	98	95	98	94	92	94	91	89	90	88	86	84		
2	99	91	84	78	96	89	83	77	85	80	76	82	78	74	79	76	72	70		
3	90	80	72	65	88	78	71	65	75	69	64	73	67	62	70	65	61	59		
4	83	71	62	55	80	69	61	55	67	60	54	65	58	53	62	57	53	51		
5	76	63	54	48	74	62	54	47	60	53	47	58	52	46	56	51	46	44		
6	70	57	48	42	68	56	48	42	54	47	41	53	46	41	51	45	40	38		
7	65	52	43	37	64	51	43	37	49	42	36	48	41	36	47	41	36	34		
8	61	47	39	33	59	47	38	33	45	38	33	44	37	32	43	37	32	30		
9	57	43	35	30	55	43	35	30	42	34	29	41	34	29	40	33	29	27		
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5160	5160	5160	5160
5°	5165	5151	5180	5165
10°	5182	5117	5203	5153
15°	5203	5056	5225	5114
20°	5197	4978	5257	5046
25°	5209	4872	5271	4958
30°	5189	4747	5287	4845
35°	5174	4612	5296	4733
40°	5126	4488	5274	4626
45°	5052	4320	5232	4481
50°	4929	4157	5149	4333
55°	4782	3967	5029	4177
60°	4593	3757	4877	4012
65°	4327	3489	4696	3773
70°	4061	3233	4414	3564
75°	3751	2930	4108	3314
80°	3388	2571	3632	2980
85°	2766	2115	2847	2523

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 180°

Vertical Angle: 45°

Luminance: 5232 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.6	3.4
10°-20°	521.1	9.8
20°-30°	786.6	14.8
30°-40°	939.2	17.7
40°-50°	958.3	18.1
50°-60°	845.1	15.9
60°-70°	624.6	11.8
70°-80°	352.2	6.6
80°-90°	94.3	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1489.3	28.1
0°-40°	2428.5	45.8
0°-60°	4232.0	79.8
0°-90°	5303.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5303.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1918	1918	1918	1918	1918	
5°	1912	1907	1918	1912	1912	182
15°	1868	1815	1875	1836	1868	527
25°	1754	1641	1775	1670	1754	808
35°	1575	1404	1612	1441	1575	984
45°	1328	1135	1375	1177	1328	1022
55°	1019	846	1072	890	1019	911
65°	680	548	738	593	680	675
75°	361	282	395	319	361	383
85°	90	68	92	82	90	105
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5
2.5°	1917.5	1917.5	1917.5	1917.5	1914.9	1912.2	1912.2	1914.9	1914.9	1912.2	1914.9
5°	1912.2	1912.2	1912.2	1909.6	1907.0	1907.0	1907.0	1907.0	1904.3	1907.0	1907.0
7.5°	1904.3	1904.3	1904.3	1901.7	1899.1	1899.1	1899.1	1896.4	1893.8	1896.4	1893.8
10°	1896.4	1893.8	1893.8	1893.8	1888.5	1885.9	1885.9	1885.9	1883.3	1883.3	1880.6
12.5°	1883.3	1880.6	1880.6	1878.0	1875.4	1872.7	1870.1	1867.5	1864.8	1862.2	1862.2
15°	1867.5	1867.5	1862.2	1859.5	1854.3	1851.6	1849.0	1846.4	1841.1	1838.5	1833.2
17.5°	1843.7	1843.7	1838.5	1835.8	1830.6	1825.3	1825.3	1820.0	1814.8	1809.5	1806.9
20°	1814.8	1817.4	1814.8	1809.5	1801.6	1799.0	1796.3	1791.1	1783.2	1777.9	1772.6
22.5°	1785.8	1788.4	1783.2	1775.3	1770.0	1767.4	1762.1	1754.2	1746.3	1738.4	1730.5
25°	1754.2	1751.6	1746.3	1741.0	1733.1	1730.5	1725.2	1717.3	1704.1	1696.2	1685.7
27.5°	1714.7	1714.7	1706.8	1701.5	1688.3	1688.3	1680.4	1669.9	1659.4	1646.2	1638.3
30°	1669.9	1669.9	1664.6	1656.7	1643.6	1640.9	1633.0	1625.1	1609.3	1596.2	1585.6
32.5°	1625.1	1622.5	1617.2	1609.3	1596.2	1590.9	1583.0	1572.5	1559.3	1540.8	1532.9
35°	1575.1	1572.5	1564.5	1554.0	1543.5	1538.2	1530.3	1517.1	1504.0	1485.5	1472.4
37.5°	1519.8	1517.1	1509.2	1498.7	1485.5	1480.3	1472.4	1459.2	1440.8	1427.6	1411.8
40°	1459.2	1456.6	1451.3	1440.8	1427.6	1422.3	1411.8	1398.6	1377.5	1361.7	1348.6
42.5°	1396.0	1393.3	1385.4	1372.3	1361.7	1356.5	1345.9	1332.8	1314.3	1295.9	1277.5
45°	1327.5	1324.9	1317.0	1301.2	1293.3	1285.4	1274.8	1261.6	1245.8	1230.0	1209.0
47.5°	1253.7	1251.1	1245.8	1232.7	1216.9	1214.2	1203.7	1190.5	1172.1	1151.0	1135.2
50°	1177.4	1177.4	1169.5	1158.9	1148.4	1140.5	1130.0	1116.8	1093.1	1079.9	1061.5
52.5°	1101.0	1098.3	1093.1	1079.9	1072.0	1064.1	1050.9	1043.0	1019.3	1008.8	987.7
55°	1019.3	1016.7	1006.2	998.3	993.0	985.1	974.6	958.7	945.6	929.8	911.3
57.5°	937.7	935.0	927.1	921.9	911.3	903.4	892.9	882.4	863.9	853.4	835.0
60°	853.4	853.4	848.1	840.2	829.7	821.8	813.9	803.3	787.5	771.7	758.6
62.5°	769.1	769.1	761.2	753.3	748.0	740.1	734.9	721.7	708.5	698.0	676.9
65°	679.6	679.6	669.0	666.4	661.1	655.8	647.9	634.8	626.9	608.4	600.5
67.5°	595.3	597.9	590.0	590.0	582.1	576.8	568.9	558.4	550.5	534.7	526.8
70°	516.2	518.9	513.6	511.0	503.1	497.8	492.5	484.6	474.1	468.8	455.7
72.5°	437.2	439.9	434.6	434.6	426.7	424.1	418.8	413.5	403.0	397.7	384.6
75°	360.8	358.2	358.2	360.8	352.9	350.3	347.7	337.1	331.9	326.6	316.1
77.5°	287.1	287.1	289.7	287.1	281.8	279.2	273.9	266.0	263.4	260.8	250.2
80°	218.6	221.2	221.2	218.6	213.3	210.7	208.1	200.2	197.5	197.5	189.6
82.5°	152.8	152.8	150.1	152.8	147.5	144.9	147.5	139.6	137.0	137.0	131.7
85°	89.6	86.9	86.9	89.6	86.9	86.9	86.9	81.7	81.7	81.7	76.4
87.5°	34.2	34.2	36.9	36.9	34.2	34.2	34.2	34.2	31.6	31.6	29.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5
2.5°	1912.2	1912.2	1912.2	1912.2	1914.9	1912.2	1914.9	1914.9	1917.5	1914.9	1917.5
5°	1907.0	1907.0	1904.3	1904.3	1904.3	1904.3	1904.3	1904.3	1904.3	1907.0	1907.0
7.5°	1893.8	1893.8	1891.2	1891.2	1891.2	1891.2	1888.5	1888.5	1891.2	1891.2	1891.2
10°	1878.0	1875.4	1872.7	1872.7	1872.7	1872.7	1870.1	1872.7	1872.7	1872.7	1872.7
12.5°	1854.3	1854.3	1851.6	1849.0	1849.0	1849.0	1846.4	1849.0	1849.0	1849.0	1849.0
15°	1830.6	1827.9	1825.3	1820.0	1820.0	1817.4	1814.8	1817.4	1814.8	1814.8	1817.4
17.5°	1796.3	1796.3	1791.1	1788.4	1785.8	1783.2	1780.5	1780.5	1780.5	1780.5	1785.8
20°	1762.1	1759.5	1754.2	1743.7	1746.3	1743.7	1738.4	1741.0	1741.0	1738.4	1738.4
22.5°	1725.2	1714.7	1709.4	1698.9	1701.5	1696.2	1693.6	1696.2	1693.6	1691.0	1696.2
25°	1675.2	1669.9	1656.7	1656.7	1651.5	1648.8	1648.8	1646.2	1643.6	1640.9	1646.2
27.5°	1630.4	1619.9	1612.0	1601.4	1596.2	1596.2	1593.5	1590.9	1585.6	1590.9	1590.9
30°	1575.1	1564.5	1551.4	1546.1	1540.8	1540.8	1535.6	1532.9	1527.7	1527.7	1535.6
32.5°	1522.4	1506.6	1493.4	1485.5	1482.9	1480.3	1477.6	1467.1	1469.7	1472.4	1475.0
35°	1459.2	1446.0	1435.5	1427.6	1419.7	1417.0	1414.4	1406.5	1406.5	1403.9	1411.8
37.5°	1398.6	1382.8	1374.9	1361.7	1356.5	1351.2	1348.6	1343.3	1340.7	1343.3	1345.9
40°	1332.8	1319.6	1306.4	1293.3	1288.0	1285.4	1277.5	1277.5	1272.2	1277.5	1277.5
42.5°	1264.3	1251.1	1235.3	1224.8	1219.5	1214.2	1209.0	1206.3	1206.3	1206.3	1209.0
45°	1195.8	1180.0	1164.2	1153.7	1148.4	1145.8	1137.9	1135.2	1130.0	1135.2	1137.9
47.5°	1122.1	1108.9	1093.1	1085.2	1077.3	1074.6	1066.7	1061.5	1058.8	1064.1	1064.1
50°	1048.3	1035.1	1022.0	1011.4	1003.5	1000.9	993.0	993.0	987.7	993.0	993.0
52.5°	974.6	961.4	948.2	935.0	929.8	927.1	919.2	919.2	919.2	919.2	919.2
55°	900.8	882.4	874.5	861.3	856.0	853.4	850.8	842.9	845.5	845.5	845.5
57.5°	824.4	811.2	795.4	790.2	782.3	779.6	779.6	769.1	766.5	771.7	771.7
60°	748.0	737.5	721.7	713.8	708.5	708.5	700.6	690.1	687.5	698.0	698.0
62.5°	669.0	653.2	645.3	637.4	632.1	629.5	626.9	619.0	621.6	619.0	619.0
65°	595.3	579.5	574.2	566.3	561.0	558.4	555.8	550.5	545.2	547.9	547.9
67.5°	521.5	508.3	500.4	495.2	489.9	489.9	484.6	479.4	482.0	479.4	479.4
70°	450.4	439.9	429.3	426.7	421.4	421.4	418.8	416.2	413.5	410.9	410.9
72.5°	381.9	371.4	363.5	358.2	355.6	355.6	352.9	345.0	347.7	345.0	345.0
75°	310.8	302.9	300.3	295.0	292.4	292.4	289.7	284.5	287.1	281.8	276.6
77.5°	247.6	239.7	237.1	234.4	237.1	234.4	226.5	229.2	226.5	221.2	221.2
80°	189.6	181.7	181.7	176.5	173.8	173.8	171.2	171.2	168.6	165.9	165.9
82.5°	129.1	126.4	123.8	121.2	118.5	123.8	118.5	115.9	115.9	115.9	113.3
85°	73.7	73.7	71.1	71.1	68.5	71.1	68.5	65.8	68.5	68.5	63.2
87.5°	29.0	31.6	26.3	26.3	26.3	26.3	23.7	26.3	26.3	26.3	23.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5
2.5°	1917.5	1914.9	1914.9	1914.9	1914.9	1912.2	1914.9	1914.9	1917.5	1914.9	1914.9
5°	1907.0	1904.3	1907.0	1904.3	1904.3	1907.0	1907.0	1909.6	1909.6	1912.2	1912.2
7.5°	1891.2	1891.2	1891.2	1891.2	1891.2	1893.8	1893.8	1896.4	1899.1	1899.1	1901.7
10°	1872.7	1872.7	1875.4	1872.7	1875.4	1878.0	1880.6	1883.3	1885.9	1888.5	1888.5
12.5°	1849.0	1849.0	1849.0	1854.3	1854.3	1856.9	1859.5	1864.8	1867.5	1872.7	1872.7
15°	1817.4	1817.4	1822.7	1822.7	1825.3	1830.6	1835.8	1838.5	1843.7	1849.0	1851.6
17.5°	1783.2	1783.2	1788.4	1788.4	1791.1	1799.0	1804.2	1806.9	1817.4	1822.7	1827.9
20°	1743.7	1743.7	1751.6	1748.9	1754.2	1762.1	1767.4	1775.3	1783.2	1791.1	1796.3
22.5°	1696.2	1698.9	1706.8	1706.8	1709.4	1720.0	1727.9	1735.8	1743.7	1754.2	1762.1
25°	1646.2	1648.8	1656.7	1659.4	1662.0	1672.5	1683.1	1688.3	1701.5	1714.7	1720.0
27.5°	1590.9	1596.2	1601.4	1604.1	1609.3	1622.5	1633.0	1643.6	1654.1	1667.3	1677.8
30°	1535.6	1540.8	1546.1	1548.7	1554.0	1567.2	1577.7	1590.9	1604.1	1617.2	1627.8
32.5°	1472.4	1480.3	1485.5	1490.8	1493.4	1509.2	1522.4	1535.6	1548.7	1564.5	1577.7
35°	1411.8	1419.7	1425.0	1427.6	1432.9	1448.7	1459.2	1472.4	1490.8	1506.6	1519.8
37.5°	1345.9	1351.2	1361.7	1361.7	1367.0	1385.4	1398.6	1411.8	1430.2	1446.0	1461.8
40°	1280.1	1282.7	1293.3	1295.9	1301.2	1319.6	1332.8	1351.2	1364.4	1382.8	1398.6
42.5°	1209.0	1216.9	1227.4	1232.7	1237.9	1248.5	1259.0	1280.1	1293.3	1314.3	1330.1
45°	1137.9	1145.8	1151.0	1153.7	1166.8	1177.4	1187.9	1209.0	1224.8	1243.2	1261.6
47.5°	1066.7	1072.0	1079.9	1090.4	1095.7	1106.2	1114.1	1135.2	1151.0	1172.1	1187.9
50°	993.0	1000.9	1006.2	1008.8	1019.3	1032.5	1043.0	1061.5	1074.6	1095.7	1114.1
52.5°	919.2	929.8	929.8	940.3	945.6	950.8	966.6	985.1	998.3	1016.7	1035.1
55°	848.1	853.4	861.3	863.9	871.8	877.1	887.6	906.1	921.9	940.3	958.7
57.5°	769.1	774.4	779.6	790.2	795.4	806.0	816.5	829.7	842.9	861.3	874.5
60°	692.7	700.6	705.9	713.8	713.8	727.0	740.1	753.3	763.8	782.3	795.4
62.5°	624.2	624.2	624.2	634.8	632.1	642.7	653.2	669.0	679.6	703.3	719.1
65°	550.5	553.1	553.1	561.0	558.4	568.9	576.8	592.6	603.2	616.3	632.1
67.5°	479.4	479.4	482.0	489.9	487.3	495.2	508.3	516.2	524.2	540.0	553.1
70°	405.6	408.3	410.9	418.8	416.2	426.7	434.6	439.9	450.4	460.9	471.5
72.5°	342.4	342.4	350.3	350.3	347.7	355.6	363.5	368.7	374.0	387.2	400.4
75°	281.8	279.2	284.5	284.5	281.8	284.5	289.7	297.6	302.9	313.4	324.0
77.5°	221.2	218.6	223.9	223.9	223.9	221.2	229.2	231.8	234.4	239.7	250.2
80°	163.3	160.7	165.9	165.9	160.7	163.3	168.6	171.2	171.2	176.5	184.4
82.5°	113.3	110.6	113.3	113.3	113.3	113.3	115.9	113.3	115.9	115.9	123.8
85°	68.5	65.8	68.5	65.8	65.8	63.2	68.5	65.8	65.8	68.5	68.5
87.5°	23.7	23.7	26.3	26.3	23.7	26.3	23.7	23.7	23.7	26.3	23.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P571989

CATALOG NUMBER: 22ID-50-L850-SWR

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5
2.5°	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1920.1	1920.1	1917.5	1920.1	1917.5
5°	1912.2	1912.2	1914.9	1914.9	1914.9	1914.9	1914.9	1917.5	1917.5	1917.5	1914.9
7.5°	1904.3	1904.3	1904.3	1904.3	1907.0	1909.6	1909.6	1909.6	1912.2	1909.6	1909.6
10°	1891.2	1896.4	1896.4	1899.1	1899.1	1901.7	1904.3	1904.3	1904.3	1904.3	1904.3
12.5°	1878.0	1880.6	1883.3	1885.9	1888.5	1888.5	1893.8	1893.8	1893.8	1893.8	1891.2
15°	1856.9	1862.2	1864.8	1867.5	1872.7	1872.7	1878.0	1875.4	1880.6	1878.0	1875.4
17.5°	1833.2	1838.5	1843.7	1843.7	1851.6	1854.3	1859.5	1862.2	1862.2	1859.5	1854.3
20°	1804.2	1812.1	1814.8	1820.0	1825.3	1830.6	1833.2	1835.8	1838.5	1835.8	1833.2
22.5°	1770.0	1780.5	1783.2	1788.4	1796.3	1801.6	1804.2	1806.9	1809.5	1809.5	1804.2
25°	1733.1	1746.3	1746.3	1754.2	1762.1	1770.0	1775.3	1775.3	1780.5	1775.3	1775.3
27.5°	1688.3	1704.1	1712.0	1714.7	1725.2	1733.1	1738.4	1743.7	1743.7	1738.4	1738.4
30°	1643.6	1659.4	1667.3	1669.9	1683.1	1691.0	1696.2	1701.5	1701.5	1701.5	1696.2
32.5°	1593.5	1612.0	1619.9	1622.5	1638.3	1646.2	1654.1	1659.4	1659.4	1656.7	1648.8
35°	1540.8	1554.0	1567.2	1572.5	1585.6	1593.5	1606.7	1612.0	1609.3	1609.3	1601.4
37.5°	1480.3	1501.3	1509.2	1514.5	1530.3	1540.8	1554.0	1559.3	1559.3	1556.6	1551.4
40°	1417.0	1440.8	1448.7	1456.6	1472.4	1485.5	1493.4	1501.3	1501.3	1501.3	1496.1
42.5°	1353.8	1372.3	1382.8	1390.7	1409.1	1417.0	1430.2	1440.8	1440.8	1438.1	1430.2
45°	1282.7	1303.8	1314.3	1322.2	1340.7	1356.5	1364.4	1374.9	1372.3	1372.3	1361.7
47.5°	1211.6	1232.7	1243.2	1251.1	1269.6	1288.0	1293.3	1303.8	1303.8	1303.8	1293.3
50°	1137.9	1158.9	1166.8	1174.7	1195.8	1206.3	1219.5	1230.0	1230.0	1232.7	1222.1
52.5°	1061.5	1077.3	1090.4	1095.7	1116.8	1130.0	1140.5	1153.7	1153.7	1148.4	1148.4
55°	979.8	998.3	1011.4	1016.7	1032.5	1053.6	1061.5	1072.0	1072.0	1072.0	1066.7
57.5°	898.2	919.2	929.8	935.0	953.5	969.3	979.8	990.4	993.0	993.0	982.5
60°	813.9	835.0	845.5	850.8	871.8	885.0	895.5	906.1	908.7	911.3	900.8
62.5°	734.9	753.3	763.8	769.1	784.9	795.4	808.6	821.8	824.4	824.4	819.1
65°	647.9	666.4	674.3	679.6	692.7	711.2	727.0	737.5	740.1	737.5	737.5
67.5°	566.3	582.1	592.6	595.3	608.4	626.9	634.8	645.3	647.9	647.9	645.3
70°	484.6	503.1	511.0	516.2	526.8	542.6	550.5	561.0	563.7	566.3	561.0
72.5°	408.3	421.4	429.3	434.6	447.8	460.9	466.2	476.7	482.0	482.0	476.7
75°	331.9	345.0	350.3	355.6	366.1	379.3	384.6	395.1	400.4	397.7	397.7
77.5°	258.1	268.7	273.9	276.6	284.5	300.3	302.9	313.4	313.4	316.1	316.1
80°	189.6	197.5	202.8	205.4	210.7	221.2	226.5	234.4	239.7	237.1	237.1
82.5°	126.4	131.7	137.0	142.2	142.2	152.8	152.8	160.7	160.7	165.9	163.3
85°	71.1	73.7	76.4	79.0	79.0	86.9	86.9	92.2	97.5	92.2	92.2
87.5°	23.7	26.3	26.3	29.0	26.3	31.6	29.0	34.2	36.9	36.9	34.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P571989

CATALOG NUMBER: 22ID-50-L850-SWR

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5
2.5°	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5
5°	1914.9	1914.9	1912.2	1914.9	1914.9	1914.9	1914.9	1912.2	1912.2	1912.2	1912.2
7.5°	1909.6	1907.0	1907.0	1907.0	1904.3	1904.3	1904.3	1904.3	1901.7	1901.7	1901.7
10°	1901.7	1899.1	1899.1	1899.1	1896.4	1896.4	1893.8	1891.2	1891.2	1888.5	1885.9
12.5°	1891.2	1888.5	1885.9	1885.9	1883.3	1880.6	1878.0	1875.4	1872.7	1867.5	1867.5
15°	1872.7	1872.7	1870.1	1867.5	1862.2	1862.2	1856.9	1854.3	1849.0	1843.7	1843.7
17.5°	1854.3	1851.6	1849.0	1843.7	1838.5	1835.8	1830.6	1825.3	1820.0	1814.8	1812.1
20°	1830.6	1822.7	1825.3	1817.4	1812.1	1806.9	1799.0	1793.7	1785.8	1780.5	1775.3
22.5°	1799.0	1796.3	1793.7	1785.8	1777.9	1775.3	1762.1	1754.2	1746.3	1738.4	1733.1
25°	1764.7	1762.1	1759.5	1751.6	1741.0	1735.8	1722.6	1714.7	1701.5	1696.2	1691.0
27.5°	1725.2	1725.2	1720.0	1709.4	1701.5	1688.3	1680.4	1664.6	1654.1	1646.2	1640.9
30°	1683.1	1683.1	1677.8	1664.6	1654.1	1640.9	1633.0	1617.2	1604.1	1596.2	1585.6
32.5°	1640.9	1638.3	1633.0	1619.9	1606.7	1593.5	1577.7	1564.5	1548.7	1540.8	1530.3
35°	1590.9	1588.3	1583.0	1567.2	1556.6	1540.8	1522.4	1506.6	1490.8	1482.9	1467.1
37.5°	1538.2	1532.9	1527.7	1509.2	1496.1	1480.3	1467.1	1446.0	1430.2	1419.7	1411.8
40°	1480.3	1477.6	1469.7	1453.9	1435.5	1419.7	1401.2	1385.4	1369.6	1356.5	1345.9
42.5°	1422.3	1411.8	1406.5	1390.7	1377.5	1353.8	1340.7	1319.6	1303.8	1293.3	1277.5
45°	1356.5	1348.6	1340.7	1324.9	1306.4	1288.0	1274.8	1251.1	1235.3	1222.1	1209.0
47.5°	1282.7	1280.1	1272.2	1253.7	1237.9	1219.5	1203.7	1180.0	1164.2	1153.7	1140.5
50°	1209.0	1206.3	1201.1	1182.6	1161.6	1145.8	1132.6	1108.9	1093.1	1077.3	1069.4
52.5°	1140.5	1130.0	1124.7	1108.9	1087.8	1069.4	1058.8	1035.1	1019.3	1003.5	993.0
55°	1061.5	1053.6	1048.3	1035.1	1016.7	993.0	982.5	961.4	948.2	937.7	921.9
57.5°	982.5	971.9	966.6	950.8	937.7	919.2	906.1	885.0	871.8	861.3	850.8
60°	892.9	892.9	887.6	871.8	858.7	840.2	829.7	808.6	795.4	787.5	774.4
62.5°	819.1	808.6	806.0	787.5	779.6	761.2	753.3	734.9	727.0	713.8	700.6
65°	727.0	727.0	724.3	713.8	703.3	679.6	669.0	653.2	645.3	634.8	624.2
67.5°	645.3	637.4	637.4	626.9	613.7	600.5	592.6	576.8	571.6	558.4	550.5
70°	563.7	555.8	555.8	542.6	534.7	521.5	516.2	503.1	492.5	487.3	479.4
72.5°	482.0	476.7	474.1	463.6	458.3	445.1	442.5	429.3	418.8	416.2	408.3
75°	400.4	395.1	387.2	389.8	379.3	368.7	366.1	358.2	352.9	345.0	337.1
77.5°	318.7	313.4	313.4	308.2	302.9	295.0	292.4	287.1	279.2	273.9	268.7
80°	242.3	237.1	237.1	234.4	226.5	221.2	221.2	213.3	213.3	208.1	205.4
82.5°	165.9	163.3	160.7	163.3	158.0	152.8	155.4	152.8	150.1	144.9	142.2
85°	97.5	94.8	92.2	97.5	92.2	94.8	92.2	89.6	89.6	86.9	84.3
87.5°	36.9	36.9	34.2	36.9	36.9	39.5	36.9	36.9	36.9	36.9	36.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P571989

CATALOG NUMBER: 22ID-50-L850-SWR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5
2.5°	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5
5°	1912.2	1912.2	1912.2	1912.2	1912.2	1912.2	1912.2	1912.2	1912.2	1909.6	1912.2
7.5°	1901.7	1899.1	1901.7	1899.1	1899.1	1899.1	1899.1	1899.1	1899.1	1899.1	1899.1
10°	1885.9	1885.9	1885.9	1885.9	1885.9	1885.9	1885.9	1885.9	1885.9	1883.3	1883.3
12.5°	1867.5	1867.5	1864.8	1864.8	1864.8	1862.2	1862.2	1864.8	1864.8	1862.2	1864.8
15°	1841.1	1843.7	1838.5	1835.8	1835.8	1835.8	1835.8	1835.8	1835.8	1835.8	1838.5
17.5°	1812.1	1809.5	1806.9	1806.9	1804.2	1801.6	1801.6	1804.2	1804.2	1806.9	1806.9
20°	1775.3	1775.3	1770.0	1767.4	1764.7	1762.1	1762.1	1764.7	1764.7	1764.7	1770.0
22.5°	1733.1	1730.5	1725.2	1722.6	1722.6	1717.3	1720.0	1722.6	1722.6	1722.6	1725.2
25°	1685.7	1683.1	1680.4	1677.8	1672.5	1669.9	1669.9	1675.2	1675.2	1680.4	1683.1
27.5°	1635.7	1633.0	1627.8	1622.5	1619.9	1617.2	1617.2	1622.5	1622.5	1627.8	1630.4
30°	1583.0	1580.4	1572.5	1569.8	1561.9	1559.3	1561.9	1567.2	1569.8	1572.5	1575.1
32.5°	1527.7	1522.4	1514.5	1511.9	1504.0	1506.6	1501.3	1509.2	1511.9	1514.5	1517.1
35°	1467.1	1461.8	1453.9	1446.0	1443.4	1440.8	1440.8	1446.0	1446.0	1453.9	1456.6
37.5°	1401.2	1398.6	1390.7	1385.4	1380.2	1380.2	1374.9	1382.8	1385.4	1390.7	1390.7
40°	1340.7	1338.0	1324.9	1319.6	1314.3	1317.0	1309.1	1317.0	1319.6	1324.9	1327.5
42.5°	1269.6	1266.9	1256.4	1251.1	1245.8	1248.5	1240.6	1248.5	1245.8	1253.7	1256.4
45°	1201.1	1198.4	1190.5	1180.0	1174.7	1177.4	1177.4	1177.4	1174.7	1182.6	1185.3
47.5°	1132.6	1127.3	1119.4	1108.9	1103.6	1106.2	1106.2	1106.2	1103.6	1114.1	1114.1
50°	1061.5	1056.2	1048.3	1037.8	1035.1	1035.1	1035.1	1035.1	1035.1	1040.4	1043.0
52.5°	987.7	985.1	977.2	966.6	961.4	961.4	961.4	956.1	961.4	964.0	966.6
55°	914.0	911.3	898.2	892.9	887.6	890.3	887.6	885.0	885.0	890.3	892.9
57.5°	840.2	837.6	829.7	827.1	813.9	816.5	813.9	813.9	816.5	816.5	819.1
60°	766.5	763.8	755.9	753.3	742.8	745.4	734.9	740.1	742.8	742.8	742.8
62.5°	687.5	687.5	674.3	669.0	663.7	666.4	658.5	658.5	658.5	663.7	663.7
65°	616.3	613.7	603.2	597.9	592.6	592.6	587.4	587.4	584.7	590.0	590.0
67.5°	542.6	542.6	532.1	526.8	521.5	524.2	516.2	516.2	518.9	518.9	518.9
70°	471.5	471.5	463.6	460.9	453.0	453.0	445.1	447.8	447.8	447.8	447.8
72.5°	403.0	403.0	395.1	392.5	384.6	384.6	376.7	379.3	379.3	376.7	376.7
75°	334.5	337.1	324.0	321.3	316.1	318.7	313.4	310.8	313.4	308.2	308.2
77.5°	266.0	266.0	263.4	260.8	252.9	252.9	250.2	245.0	247.6	242.3	242.3
80°	200.2	202.8	194.9	197.5	189.6	192.3	189.6	184.4	184.4	181.7	179.1
82.5°	139.6	139.6	137.0	139.6	137.0	134.3	131.7	129.1	129.1	123.8	123.8
85°	84.3	86.9	81.7	84.3	84.3	81.7	76.4	76.4	76.4	73.7	73.7
87.5°	34.2	39.5	36.9	36.9	36.9	36.9	34.2	36.9	34.2	31.6	31.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P571989

CATALOG NUMBER: 22ID-50-L850-SWR

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5
2.5°	1914.9	1917.5	1917.5	1917.5	1917.5	1914.9	1914.9	1914.9	1914.9	1914.9	1917.5
5°	1909.6	1912.2	1912.2	1912.2	1912.2	1912.2	1912.2	1912.2	1912.2	1912.2	1912.2
7.5°	1899.1	1899.1	1901.7	1901.7	1901.7	1901.7	1904.3	1901.7	1904.3	1901.7	1904.3
10°	1883.3	1885.9	1888.5	1888.5	1891.2	1888.5	1891.2	1891.2	1893.8	1893.8	1893.8
12.5°	1864.8	1867.5	1867.5	1872.7	1872.7	1872.7	1875.4	1875.4	1878.0	1880.6	1880.6
15°	1838.5	1841.1	1843.7	1843.7	1849.0	1854.3	1854.3	1856.9	1859.5	1862.2	1862.2
17.5°	1806.9	1809.5	1812.1	1817.4	1822.7	1827.9	1830.6	1830.6	1835.8	1838.5	1838.5
20°	1770.0	1775.3	1780.5	1785.8	1788.4	1796.3	1799.0	1801.6	1806.9	1812.1	1812.1
22.5°	1730.5	1733.1	1741.0	1746.3	1751.6	1759.5	1762.1	1770.0	1775.3	1777.9	1780.5
25°	1683.1	1688.3	1696.2	1701.5	1706.8	1717.3	1725.2	1730.5	1738.4	1743.7	1743.7
27.5°	1630.4	1638.3	1646.2	1651.5	1659.4	1672.5	1680.4	1685.7	1696.2	1701.5	1704.1
30°	1577.7	1583.0	1593.5	1601.4	1609.3	1622.5	1633.0	1640.9	1651.5	1656.7	1659.4
32.5°	1519.8	1527.7	1538.2	1546.1	1556.6	1569.8	1580.4	1588.3	1604.1	1606.7	1609.3
35°	1459.2	1467.1	1475.0	1488.2	1498.7	1511.9	1525.0	1535.6	1543.5	1554.0	1556.6
37.5°	1396.0	1403.9	1414.4	1425.0	1435.5	1451.3	1464.5	1472.4	1485.5	1493.4	1498.7
40°	1330.1	1338.0	1351.2	1364.4	1372.3	1388.1	1401.2	1411.8	1430.2	1435.5	1435.5
42.5°	1259.0	1269.6	1277.5	1293.3	1301.2	1319.6	1332.8	1348.6	1359.1	1367.0	1369.6
45°	1190.5	1198.4	1214.2	1224.8	1232.7	1251.1	1264.3	1277.5	1290.6	1295.9	1301.2
47.5°	1116.8	1127.3	1140.5	1145.8	1158.9	1177.4	1190.5	1203.7	1219.5	1224.8	1227.4
50°	1045.7	1053.6	1061.5	1072.0	1082.5	1101.0	1116.8	1130.0	1143.1	1148.4	1151.0
52.5°	971.9	979.8	987.7	1000.9	1006.2	1024.6	1032.5	1045.7	1064.1	1069.4	1072.0
55°	895.5	906.1	916.6	924.5	929.8	945.6	956.1	971.9	982.5	987.7	993.0
57.5°	819.1	827.1	837.6	848.1	850.8	866.6	879.7	887.6	900.8	906.1	911.3
60°	745.4	753.3	761.2	763.8	771.7	787.5	800.7	806.0	819.1	824.4	827.1
62.5°	666.4	669.0	679.6	687.5	687.5	708.5	716.4	727.0	737.5	740.1	745.4
65°	592.6	597.9	597.9	603.2	611.1	624.2	629.5	642.7	650.6	653.2	655.8
67.5°	518.9	524.2	529.4	534.7	534.7	547.9	550.5	561.0	568.9	571.6	574.2
70°	447.8	447.8	455.7	460.9	458.3	468.8	474.1	479.4	489.9	492.5	495.2
72.5°	379.3	376.7	381.9	387.2	392.5	395.1	400.4	403.0	410.9	416.2	418.8
75°	310.8	313.4	313.4	316.1	313.4	316.1	324.0	331.9	337.1	339.8	345.0
77.5°	242.3	245.0	245.0	247.6	250.2	250.2	252.9	263.4	268.7	271.3	268.7
80°	179.1	181.7	181.7	184.4	187.0	189.6	189.6	194.9	202.8	205.4	205.4
82.5°	126.4	126.4	126.4	126.4	129.1	129.1	131.7	137.0	142.2	142.2	147.5
85°	76.4	76.4	73.7	76.4	73.7	76.4	79.0	84.3	86.9	86.9	89.6
87.5°	34.2	31.6	34.2	34.2	31.6	31.6	31.6	34.2	34.2	36.9	36.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1917.5	1917.5	1917.5	1917.5
2.5°	1917.5	1917.5	1917.5	1917.5
5°	1912.2	1912.2	1912.2	1912.2
7.5°	1904.3	1904.3	1904.3	1904.3
10°	1893.8	1896.4	1896.4	1896.4
12.5°	1880.6	1880.6	1883.3	1883.3
15°	1864.8	1864.8	1864.8	1867.5
17.5°	1841.1	1843.7	1843.7	1843.7
20°	1814.8	1817.4	1817.4	1814.8
22.5°	1780.5	1783.2	1785.8	1785.8
25°	1746.3	1751.6	1754.2	1754.2
27.5°	1706.8	1712.0	1714.7	1714.7
30°	1664.6	1669.9	1669.9	1669.9
32.5°	1614.6	1622.5	1625.1	1625.1
35°	1561.9	1572.5	1575.1	1575.1
37.5°	1506.6	1511.9	1519.8	1519.8
40°	1446.0	1451.3	1459.2	1459.2
42.5°	1380.2	1390.7	1390.7	1396.0
45°	1309.1	1319.6	1322.2	1327.5
47.5°	1237.9	1248.5	1251.1	1253.7
50°	1161.6	1169.5	1177.4	1177.4
52.5°	1085.2	1090.4	1095.7	1101.0
55°	1003.5	1011.4	1014.1	1019.3
57.5°	919.2	929.8	932.4	937.7
60°	837.6	845.5	850.8	853.4
62.5°	755.9	761.2	763.8	769.1
65°	666.4	674.3	674.3	679.6
67.5°	584.7	590.0	592.6	595.3
70°	497.8	508.3	511.0	516.2
72.5°	421.4	432.0	432.0	437.2
75°	352.9	355.6	355.6	360.8
77.5°	279.2	281.8	284.5	287.1
80°	210.7	213.3	213.3	218.6
82.5°	150.1	150.1	150.1	152.8
85°	92.2	89.6	86.9	89.6
87.5°	36.9	36.9	39.5	34.2
90°	0.0	0.0	0.0	0.0

TEST NUMBER: P571989

CATALOG NUMBER: 22ID-50-L850-SWR

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	17.61	19.24	17.98	19.56	19.87	16.50	18.12	16.86	18.44	18.75
	3H	19.37	20.84	19.74	21.16	21.52	18.12	19.59	18.49	19.91	20.27
	4H	20.02	21.41	20.42	21.76	22.13	18.71	20.09	19.11	20.44	20.82
	6H	20.52	21.80	20.93	22.16	22.55	19.14	20.43	19.55	20.79	21.18
	8H	20.67	21.90	21.10	22.29	22.69	19.27	20.50	19.70	20.89	21.29
	12H	20.77	21.95	21.20	22.33	22.76	19.36	20.53	19.78	20.91	21.34
4H	2H	18.10	19.48	18.50	19.83	20.21	17.20	18.58	17.60	18.93	19.30
	3H	20.08	21.24	20.49	21.63	22.03	19.02	20.18	19.43	20.58	20.98
	4H	20.87	21.92	21.30	22.33	22.77	19.73	20.78	20.16	21.19	21.63
	6H	21.50	22.42	21.96	22.86	23.31	20.27	21.19	20.73	21.63	22.09
	8H	21.71	22.57	22.17	23.01	23.48	20.44	21.30	20.90	21.74	22.21
	12H	21.86	22.63	22.34	23.11	23.57	20.56	21.33	21.04	21.81	22.28
8H	4H	21.10	21.96	21.56	22.40	22.87	20.08	20.93	20.54	21.38	21.84
	6H	21.85	22.56	22.34	23.05	23.52	20.73	21.44	21.22	21.93	22.40
	8H	22.13	22.77	22.64	23.28	23.77	20.96	21.60	21.47	22.11	22.60
	12H	22.36	22.92	22.86	23.41	23.97	21.14	21.71	21.65	22.20	22.76
12H	4H	21.12	21.89	21.60	22.37	22.84	20.12	20.89	20.60	21.37	21.84
	6H	21.88	22.52	22.39	23.03	23.51	20.79	21.43	21.30	21.94	22.43
	8H	22.22	22.79	22.73	23.28	23.84	21.08	21.65	21.59	22.14	22.70

END OF REPORT