

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: P572021

Luminaire Tested: 22ID-60-L850-SWR

Issue Date: 10/5/2021

Test Information

Test Method: LM-79-2019
Report Number: P572021
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-60-L850-SWR
Description: 6000 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: 6397.0 lumens
Efficiency: N/A
Efficacy: 125.7 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

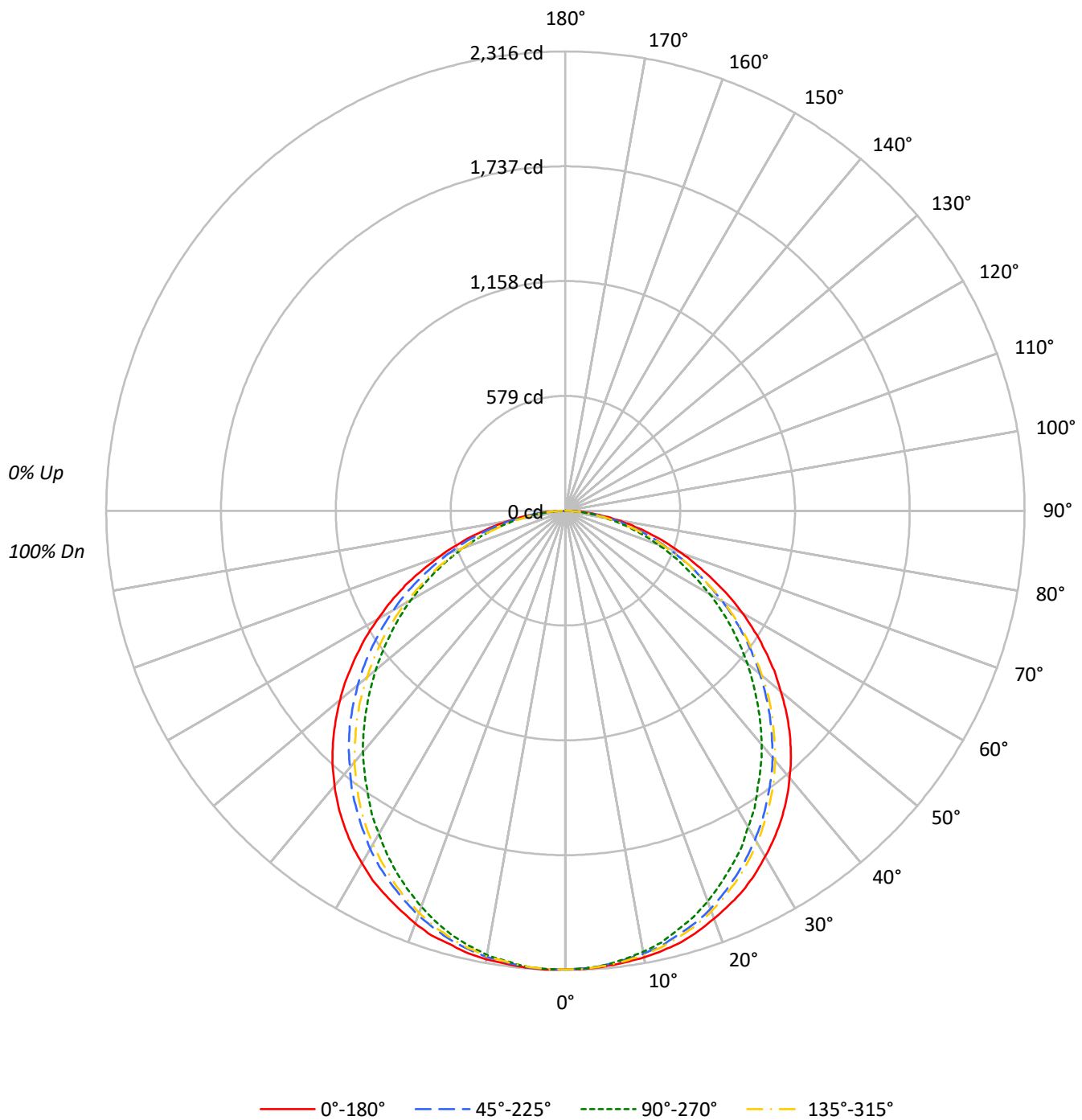
Input Watts (W): 50.9
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6225	6225	6225	6225
5°	6231	6214	6248	6231
10°	6251	6173	6277	6216
15°	6276	6099	6302	6170
20°	6269	6005	6342	6087
25°	6283	5877	6358	5981
30°	6259	5726	6378	5845
35°	6242	5563	6388	5709
40°	6183	5413	6362	5580
45°	6094	5211	6312	5405
50°	5946	5014	6212	5228
55°	5769	4785	6067	5038
60°	5540	4532	5882	4839
65°	5219	4208	5664	4552
70°	4899	3900	5325	4300
75°	4526	3535	4955	3998
80°	4086	3102	4382	3594
85°	3335	2550	3433	3041

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 180°

Vertical Angle: 45°

Luminance: 6312 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.1	3.4
10°-20°	628.6	9.8
20°-30°	948.9	14.8
30°-40°	1132.9	17.7
40°-50°	1156.0	18.1
50°-60°	1019.5	15.9
60°-70°	753.4	11.8
70°-80°	424.8	6.6
80°-90°	113.8	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°	1796.6	28.1
0°-40°	2929.5	45.8
0°-60°	5105.0	79.8
0°-90°	6397.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6397.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2313	2313	2313	2313	2313	
5°	2307	2300	2313	2307	2307	220
15°	2253	2189	2262	2215	2253	635
25°	2116	1980	2142	2014	2116	974
35°	1900	1694	1944	1738	1900	1187
45°	1601	1369	1658	1420	1601	1233
55°	1230	1020	1293	1074	1230	1099
65°	820	661	890	715	820	814
75°	435	340	477	384	435	462
85°	108	83	111	98	108	127
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°	2313.1	2313.1	2313.1	2313.1	2313.1	2313.1	2313.1	2313.1	2313.1	2313.1	2313.1
2.5°	2313.1	2313.1	2313.1	2313.1	2309.9	2306.7	2306.7	2309.9	2309.9	2306.7	2309.9
5°	2306.7	2306.7	2306.7	2303.5	2300.4	2300.4	2300.4	2300.4	2297.2	2300.4	2300.4
7.5°	2297.2	2297.2	2297.2	2294.0	2290.8	2290.8	2290.8	2287.7	2284.5	2287.7	2284.5
10°	2287.7	2284.5	2284.5	2284.5	2278.1	2274.9	2274.9	2274.9	2271.8	2271.8	2268.6
12.5°	2271.8	2268.6	2268.6	2265.4	2262.2	2259.1	2255.9	2252.7	2249.5	2246.3	2246.3
15°	2252.7	2252.7	2246.3	2243.2	2236.8	2233.6	2230.5	2227.3	2220.9	2217.8	2211.4
17.5°	2224.1	2224.1	2217.8	2214.6	2208.2	2201.9	2201.9	2195.5	2189.2	2182.8	2179.6
20°	2189.2	2192.3	2189.2	2182.8	2173.3	2170.1	2166.9	2160.6	2151.0	2144.7	2138.3
22.5°	2154.2	2157.4	2151.0	2141.5	2135.1	2132.0	2125.6	2116.1	2106.5	2097.0	2087.5
25°	2116.1	2112.9	2106.5	2100.2	2090.7	2087.5	2081.1	2071.6	2055.7	2046.2	2033.5
27.5°	2068.4	2068.4	2058.9	2052.5	2036.6	2036.6	2027.1	2014.4	2001.7	1985.8	1976.3
30°	2014.4	2014.4	2008.1	1998.5	1982.6	1979.5	1969.9	1960.4	1941.3	1925.4	1912.7
32.5°	1960.4	1957.2	1950.9	1941.3	1925.4	1919.1	1909.6	1896.8	1881.0	1858.7	1849.2
35°	1900.0	1896.8	1887.3	1874.6	1861.9	1855.5	1846.0	1830.1	1814.2	1792.0	1776.1
37.5°	1833.3	1830.1	1820.6	1807.9	1792.0	1785.6	1776.1	1760.2	1738.0	1722.1	1703.0
40°	1760.2	1757.0	1750.7	1738.0	1722.1	1715.7	1703.0	1687.1	1661.7	1642.7	1626.8
42.5°	1684.0	1680.8	1671.3	1655.4	1642.7	1636.3	1623.6	1607.7	1585.5	1563.2	1541.0
45°	1601.4	1598.2	1588.6	1569.6	1560.1	1550.5	1537.8	1521.9	1502.9	1483.8	1458.4
47.5°	1512.4	1509.2	1502.9	1487.0	1467.9	1464.7	1452.0	1436.1	1413.9	1388.5	1369.4
50°	1420.3	1420.3	1410.7	1398.0	1385.3	1375.8	1363.1	1347.2	1318.6	1302.7	1280.5
52.5°	1328.1	1324.9	1318.6	1302.7	1293.2	1283.6	1267.7	1258.2	1229.6	1216.9	1191.5
55°	1229.6	1226.4	1213.7	1204.2	1197.8	1188.3	1175.6	1156.5	1140.6	1121.6	1099.3
57.5°	1131.1	1127.9	1118.4	1112.1	1099.3	1089.8	1077.1	1064.4	1042.2	1029.4	1007.2
60°	1029.4	1029.4	1023.1	1013.6	1000.8	991.3	981.8	969.1	950.0	930.9	915.1
62.5°	927.8	927.8	918.2	908.7	902.4	892.8	886.5	870.6	854.7	842.0	816.6
65°	819.7	819.7	807.0	803.9	797.5	791.1	781.6	765.7	756.2	734.0	724.4
67.5°	718.1	721.2	711.7	711.7	702.2	695.8	686.3	673.6	664.1	645.0	635.5
70°	622.7	625.9	619.6	616.4	606.9	600.5	594.2	584.6	571.9	565.6	549.7
72.5°	527.4	530.6	524.3	524.3	514.7	511.5	505.2	498.8	486.1	479.8	463.9
75°	435.3	432.1	432.1	435.3	425.8	422.6	419.4	406.7	400.3	394.0	381.3
77.5°	346.3	346.3	349.5	346.3	340.0	336.8	330.4	320.9	317.7	314.6	301.8
80°	263.7	266.9	266.9	263.7	257.4	254.2	251.0	241.5	238.3	238.3	228.8
82.5°	184.3	184.3	181.1	184.3	177.9	174.8	177.9	168.4	165.2	165.2	158.9
85°	108.0	104.9	104.9	108.0	104.9	104.9	104.9	98.5	98.5	98.5	92.1
87.5°	41.3	41.3	44.5	44.5	41.3	41.3	41.3	41.3	38.1	38.1	35.0
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°	2313.1	2313.1	2313.1	2313.1	2313.1	2313.1	2313.1	2313.1	2313.1	2313.1	2313.1
2.5°	2306.7	2306.7	2306.7	2306.7	2309.9	2306.7	2309.9	2309.9	2313.1	2309.9	2313.1
5°	2300.4	2300.4	2297.2	2297.2	2297.2	2297.2	2297.2	2297.2	2297.2	2300.4	2300.4
7.5°	2284.5	2284.5	2281.3	2281.3	2281.3	2281.3	2278.1	2278.1	2281.3	2281.3	2281.3
10°	2265.4	2262.2	2259.1	2259.1	2259.1	2259.1	2255.9	2259.1	2259.1	2259.1	2259.1
12.5°	2236.8	2236.8	2233.6	2230.5	2230.5	2230.5	2227.3	2230.5	2230.5	2230.5	2230.5
15°	2208.2	2205.0	2201.9	2195.5	2195.5	2192.3	2189.2	2192.3	2189.2	2189.2	2192.3
17.5°	2166.9	2166.9	2160.6	2157.4	2154.2	2151.0	2147.9	2147.9	2147.9	2147.9	2154.2
20°	2125.6	2122.4	2116.1	2103.4	2106.5	2103.4	2097.0	2100.2	2100.2	2097.0	2097.0
22.5°	2081.1	2068.4	2062.1	2049.4	2052.5	2046.2	2043.0	2046.2	2043.0	2039.8	2046.2
25°	2020.8	2014.4	1998.5	1998.5	1992.2	1989.0	1989.0	1985.8	1982.6	1979.5	1985.8
27.5°	1966.7	1954.0	1944.5	1931.8	1925.4	1925.4	1922.3	1919.1	1912.7	1919.1	1919.1
30°	1900.0	1887.3	1871.4	1865.1	1858.7	1858.7	1852.4	1849.2	1842.8	1842.8	1852.4
32.5°	1836.5	1817.4	1801.5	1792.0	1788.8	1785.6	1782.5	1769.8	1772.9	1776.1	1779.3
35°	1760.2	1744.3	1731.6	1722.1	1712.6	1709.4	1706.2	1696.7	1696.7	1693.5	1703.0
37.5°	1687.1	1668.1	1658.5	1642.7	1636.3	1630.0	1626.8	1620.4	1617.2	1620.4	1623.6
40°	1607.7	1591.8	1575.9	1560.1	1553.7	1550.5	1541.0	1541.0	1534.6	1541.0	1541.0
42.5°	1525.1	1509.2	1490.2	1477.4	1471.1	1464.7	1458.4	1455.2	1455.2	1455.2	1458.4
45°	1442.5	1423.4	1404.4	1391.7	1385.3	1382.1	1372.6	1369.4	1363.1	1369.4	1372.6
47.5°	1353.5	1337.6	1318.6	1309.0	1299.5	1296.3	1286.8	1280.5	1277.3	1283.6	1283.6
50°	1264.6	1248.7	1232.8	1220.1	1210.5	1207.4	1197.8	1197.8	1191.5	1197.8	1197.8
52.5°	1175.6	1159.7	1143.8	1127.9	1121.6	1118.4	1108.9	1108.9	1108.9	1108.9	1108.9
55°	1086.6	1064.4	1054.9	1039.0	1032.6	1029.4	1026.3	1016.7	1019.9	1019.9	1019.9
57.5°	994.5	978.6	959.5	953.2	943.7	940.5	940.5	927.8	924.6	930.9	930.9
60°	902.4	889.6	870.6	861.0	854.7	854.7	845.2	832.5	829.3	842.0	842.0
62.5°	807.0	788.0	778.4	768.9	762.6	759.4	756.2	746.7	749.8	746.7	746.7
65°	718.1	699.0	692.7	683.1	676.8	673.6	670.4	664.1	657.7	660.9	660.9
67.5°	629.1	613.2	603.7	597.3	591.0	591.0	584.6	578.3	581.4	578.3	578.3
70°	543.3	530.6	517.9	514.7	508.4	508.4	505.2	502.0	498.8	495.7	495.7
72.5°	460.7	448.0	438.5	432.1	428.9	428.9	425.8	416.2	419.4	416.2	416.2
75°	374.9	365.4	362.2	355.9	352.7	352.7	349.5	343.1	346.3	340.0	333.6
77.5°	298.7	289.1	286.0	282.8	286.0	282.8	273.2	276.4	273.2	266.9	266.9
80°	228.8	219.2	219.2	212.9	209.7	209.7	206.5	206.5	203.3	200.2	200.2
82.5°	155.7	152.5	149.3	146.2	143.0	149.3	143.0	139.8	139.8	139.8	136.6
85°	89.0	89.0	85.8	85.8	82.6	85.8	82.6	79.4	82.6	82.6	76.3
87.5°	35.0	38.1	31.8	31.8	31.8	31.8	28.6	31.8	31.8	31.8	28.6
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°	2313.1	2313.1	2313.1	2313.1	2313.1	2313.1	2313.1	2313.1	2313.1	2313.1	2313.1
2.5°	2313.1	2309.9	2309.9	2309.9	2309.9	2306.7	2309.9	2309.9	2313.1	2309.9	2309.9
5°	2300.4	2297.2	2300.4	2297.2	2297.2	2300.4	2300.4	2303.5	2303.5	2306.7	2306.7
7.5°	2281.3	2281.3	2281.3	2281.3	2281.3	2284.5	2284.5	2287.7	2290.8	2290.8	2294.0
10°	2259.1	2259.1	2262.2	2259.1	2262.2	2265.4	2268.6	2271.8	2274.9	2278.1	2278.1
12.5°	2230.5	2230.5	2230.5	2236.8	2236.8	2240.0	2243.2	2249.5	2252.7	2259.1	2259.1
15°	2192.3	2192.3	2198.7	2198.7	2201.9	2208.2	2214.6	2217.8	2224.1	2230.5	2233.6
17.5°	2151.0	2151.0	2157.4	2157.4	2160.6	2170.1	2176.4	2179.6	2192.3	2198.7	2205.0
20°	2103.4	2103.4	2112.9	2109.7	2116.1	2125.6	2132.0	2141.5	2151.0	2160.6	2166.9
22.5°	2046.2	2049.4	2058.9	2058.9	2062.1	2074.8	2084.3	2093.8	2103.4	2116.1	2125.6
25°	1985.8	1989.0	1998.5	2001.7	2004.9	2017.6	2030.3	2036.6	2052.5	2068.4	2074.8
27.5°	1919.1	1925.4	1931.8	1935.0	1941.3	1957.2	1969.9	1982.6	1995.3	2011.2	2023.9
30°	1852.4	1858.7	1865.1	1868.2	1874.6	1890.5	1903.2	1919.1	1935.0	1950.9	1963.6
32.5°	1776.1	1785.6	1792.0	1798.3	1801.5	1820.6	1836.5	1852.4	1868.2	1887.3	1903.2
35°	1703.0	1712.6	1718.9	1722.1	1728.4	1747.5	1760.2	1776.1	1798.3	1817.4	1833.3
37.5°	1623.6	1630.0	1642.7	1642.7	1649.0	1671.3	1687.1	1703.0	1725.3	1744.3	1763.4
40°	1544.2	1547.3	1560.1	1563.2	1569.6	1591.8	1607.7	1630.0	1645.8	1668.1	1687.1
42.5°	1458.4	1467.9	1480.6	1487.0	1493.3	1506.0	1518.7	1544.2	1560.1	1585.5	1604.5
45°	1372.6	1382.1	1388.5	1391.7	1407.5	1420.3	1433.0	1458.4	1477.4	1499.7	1521.9
47.5°	1286.8	1293.2	1302.7	1315.4	1321.8	1334.5	1344.0	1369.4	1388.5	1413.9	1433.0
50°	1197.8	1207.4	1213.7	1216.9	1229.6	1245.5	1258.2	1280.5	1296.3	1321.8	1344.0
52.5°	1108.9	1121.6	1121.6	1134.3	1140.6	1147.0	1166.1	1188.3	1204.2	1226.4	1248.7
55°	1023.1	1029.4	1039.0	1042.2	1051.7	1058.0	1070.7	1093.0	1112.1	1134.3	1156.5
57.5°	927.8	934.1	940.5	953.2	959.5	972.3	985.0	1000.8	1016.7	1039.0	1054.9
60°	835.6	845.2	851.5	861.0	861.0	876.9	892.8	908.7	921.4	943.7	959.5
62.5°	753.0	753.0	753.0	765.7	762.6	775.3	788.0	807.0	819.7	848.3	867.4
65°	664.1	667.2	667.2	676.8	673.6	686.3	695.8	714.9	727.6	743.5	762.6
67.5°	578.3	578.3	581.4	591.0	587.8	597.3	613.2	622.7	632.3	651.3	667.2
70°	489.3	492.5	495.7	505.2	502.0	514.7	524.3	530.6	543.3	556.0	568.7
72.5°	413.0	413.0	422.6	422.6	419.4	428.9	438.5	444.8	451.2	467.1	482.9
75°	340.0	336.8	343.1	343.1	340.0	343.1	349.5	359.0	365.4	378.1	390.8
77.5°	266.9	263.7	270.1	270.1	270.1	266.9	276.4	279.6	282.8	289.1	301.8
80°	197.0	193.8	200.2	200.2	193.8	197.0	203.3	206.5	206.5	212.9	222.4
82.5°	136.6	133.4	136.6	136.6	136.6	136.6	139.8	136.6	139.8	139.8	149.3
85°	82.6	79.4	82.6	79.4	79.4	76.3	82.6	79.4	79.4	82.6	82.6
87.5°	28.6	28.6	31.8	31.8	28.6	31.8	28.6	28.6	28.6	31.8	28.6
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: P572021

CATALOG NUMBER: 22ID-60-L850-SWR

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	2313.1	2313.1	2313.1	2313.1	2313.1	2313.1	2313.1	2313.1	2313.1	2313.1	2313.1
2.5°	2313.1	2313.1	2313.1	2313.1	2313.1	2313.1	2316.2	2316.2	2313.1	2316.2	2313.1
5°	2306.7	2306.7	2309.9	2309.9	2309.9	2309.9	2309.9	2313.1	2313.1	2313.1	2309.9
7.5°	2297.2	2297.2	2297.2	2297.2	2300.4	2303.5	2303.5	2303.5	2306.7	2303.5	2303.5
10°	2281.3	2287.7	2287.7	2290.8	2290.8	2294.0	2297.2	2297.2	2297.2	2297.2	2297.2
12.5°	2265.4	2268.6	2271.8	2274.9	2278.1	2278.1	2284.5	2284.5	2284.5	2284.5	2281.3
15°	2240.0	2246.3	2249.5	2252.7	2259.1	2259.1	2265.4	2262.2	2268.6	2265.4	2262.2
17.5°	2211.4	2217.8	2224.1	2224.1	2233.6	2236.8	2243.2	2246.3	2246.3	2243.2	2236.8
20°	2176.4	2186.0	2189.2	2195.5	2201.9	2208.2	2211.4	2214.6	2217.8	2214.6	2211.4
22.5°	2135.1	2147.9	2151.0	2157.4	2166.9	2173.3	2176.4	2179.6	2182.8	2182.8	2176.4
25°	2090.7	2106.5	2106.5	2116.1	2125.6	2135.1	2141.5	2141.5	2147.9	2141.5	2141.5
27.5°	2036.6	2055.7	2065.2	2068.4	2081.1	2090.7	2097.0	2103.4	2103.4	2097.0	2097.0
30°	1982.6	2001.7	2011.2	2014.4	2030.3	2039.8	2046.2	2052.5	2052.5	2052.5	2046.2
32.5°	1922.3	1944.5	1954.0	1957.2	1976.3	1985.8	1995.3	2001.7	2001.7	1998.5	1989.0
35°	1858.7	1874.6	1890.5	1896.8	1912.7	1922.3	1938.2	1944.5	1941.3	1941.3	1931.8
37.5°	1785.6	1811.1	1820.6	1826.9	1846.0	1858.7	1874.6	1881.0	1881.0	1877.8	1871.4
40°	1709.4	1738.0	1747.5	1757.0	1776.1	1792.0	1801.5	1811.1	1811.1	1811.1	1804.7
42.5°	1633.1	1655.4	1668.1	1677.6	1699.9	1709.4	1725.3	1738.0	1738.0	1734.8	1725.3
45°	1547.3	1572.8	1585.5	1595.0	1617.2	1636.3	1645.8	1658.5	1655.4	1655.4	1642.7
47.5°	1461.6	1487.0	1499.7	1509.2	1531.5	1553.7	1560.1	1572.8	1572.8	1572.8	1560.1
50°	1372.6	1398.0	1407.5	1417.1	1442.5	1455.2	1471.1	1483.8	1483.8	1487.0	1474.3
52.5°	1280.5	1299.5	1315.4	1321.8	1347.2	1363.1	1375.8	1391.7	1391.7	1385.3	1385.3
55°	1182.0	1204.2	1220.1	1226.4	1245.5	1270.9	1280.5	1293.2	1293.2	1293.2	1286.8
57.5°	1083.5	1108.9	1121.6	1127.9	1150.2	1169.2	1182.0	1194.7	1197.8	1197.8	1185.1
60°	981.8	1007.2	1019.9	1026.3	1051.7	1067.6	1080.3	1093.0	1096.2	1099.3	1086.6
62.5°	886.5	908.7	921.4	927.8	946.8	959.5	975.4	991.3	994.5	994.5	988.1
65°	781.6	803.9	813.4	819.7	835.6	857.9	876.9	889.6	892.8	889.6	889.6
67.5°	683.1	702.2	714.9	718.1	734.0	756.2	765.7	778.4	781.6	781.6	778.4
70°	584.6	606.9	616.4	622.7	635.5	654.5	664.1	676.8	679.9	683.1	676.8
72.5°	492.5	508.4	517.9	524.3	540.1	556.0	562.4	575.1	581.4	581.4	575.1
75°	400.3	416.2	422.6	428.9	441.6	457.5	463.9	476.6	482.9	479.8	479.8
77.5°	311.4	324.1	330.4	333.6	343.1	362.2	365.4	378.1	378.1	381.3	381.3
80°	228.8	238.3	244.7	247.8	254.2	266.9	273.2	282.8	289.1	286.0	286.0
82.5°	152.5	158.9	165.2	171.6	171.6	184.3	184.3	193.8	193.8	200.2	197.0
85°	85.8	89.0	92.1	95.3	95.3	104.9	104.9	111.2	117.6	111.2	111.2
87.5°	28.6	31.8	31.8	35.0	31.8	38.1	35.0	41.3	44.5	44.5	41.3
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: P572021

CATALOG NUMBER: 22ID-60-L850-SWR

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	2313.1	2313.1	2313.1	2313.1	2313.1	2313.1	2313.1	2313.1	2313.1	2313.1	2313.1
2.5°	2313.1	2313.1	2313.1	2313.1	2313.1	2313.1	2313.1	2313.1	2313.1	2313.1	2313.1
5°	2309.9	2309.9	2306.7	2309.9	2309.9	2309.9	2309.9	2306.7	2306.7	2306.7	2306.7
7.5°	2303.5	2300.4	2300.4	2300.4	2297.2	2297.2	2297.2	2297.2	2294.0	2294.0	2294.0
10°	2294.0	2290.8	2290.8	2290.8	2287.7	2287.7	2284.5	2281.3	2281.3	2278.1	2274.9
12.5°	2281.3	2278.1	2274.9	2274.9	2271.8	2268.6	2265.4	2262.2	2259.1	2252.7	2252.7
15°	2259.1	2259.1	2255.9	2252.7	2246.3	2246.3	2240.0	2236.8	2230.5	2224.1	2224.1
17.5°	2236.8	2233.6	2230.5	2224.1	2217.8	2214.6	2208.2	2201.9	2195.5	2189.2	2186.0
20°	2208.2	2198.7	2201.9	2192.3	2186.0	2179.6	2170.1	2163.7	2154.2	2147.9	2141.5
22.5°	2170.1	2166.9	2163.7	2154.2	2144.7	2141.5	2125.6	2116.1	2106.5	2097.0	2090.7
25°	2128.8	2125.6	2122.4	2112.9	2100.2	2093.8	2078.0	2068.4	2052.5	2046.2	2039.8
27.5°	2081.1	2081.1	2074.8	2062.1	2052.5	2036.6	2027.1	2008.1	1995.3	1985.8	1979.5
30°	2030.3	2030.3	2023.9	2008.1	1995.3	1979.5	1969.9	1950.9	1935.0	1925.4	1912.7
32.5°	1979.5	1976.3	1969.9	1954.0	1938.2	1922.3	1903.2	1887.3	1868.2	1858.7	1846.0
35°	1919.1	1915.9	1909.6	1890.5	1877.8	1858.7	1836.5	1817.4	1798.3	1788.8	1769.8
37.5°	1855.5	1849.2	1842.8	1820.6	1804.7	1785.6	1769.8	1744.3	1725.3	1712.6	1703.0
40°	1785.6	1782.5	1772.9	1753.9	1731.6	1712.6	1690.3	1671.3	1652.2	1636.3	1623.6
42.5°	1715.7	1703.0	1696.7	1677.6	1661.7	1633.1	1617.2	1591.8	1572.8	1560.1	1541.0
45°	1636.3	1626.8	1617.2	1598.2	1575.9	1553.7	1537.8	1509.2	1490.2	1474.3	1458.4
47.5°	1547.3	1544.2	1534.6	1512.4	1493.3	1471.1	1452.0	1423.4	1404.4	1391.7	1375.8
50°	1458.4	1455.2	1448.8	1426.6	1401.2	1382.1	1366.2	1337.6	1318.6	1299.5	1290.0
52.5°	1375.8	1363.1	1356.7	1337.6	1312.2	1290.0	1277.3	1248.7	1229.6	1210.5	1197.8
55°	1280.5	1270.9	1264.6	1248.7	1226.4	1197.8	1185.1	1159.7	1143.8	1131.1	1112.1
57.5°	1185.1	1172.4	1166.1	1147.0	1131.1	1108.9	1093.0	1067.6	1051.7	1039.0	1026.3
60°	1077.1	1077.1	1070.7	1051.7	1035.8	1013.6	1000.8	975.4	959.5	950.0	934.1
62.5°	988.1	975.4	972.3	950.0	940.5	918.2	908.7	886.5	876.9	861.0	845.2
65°	876.9	876.9	873.8	861.0	848.3	819.7	807.0	788.0	778.4	765.7	753.0
67.5°	778.4	768.9	768.9	756.2	740.3	724.4	714.9	695.8	689.5	673.6	664.1
70°	679.9	670.4	670.4	654.5	645.0	629.1	622.7	606.9	594.2	587.8	578.3
72.5°	581.4	575.1	571.9	559.2	552.8	537.0	533.8	517.9	505.2	502.0	492.5
75°	482.9	476.6	467.1	470.2	457.5	444.8	441.6	432.1	425.8	416.2	406.7
77.5°	384.5	378.1	378.1	371.7	365.4	355.9	352.7	346.3	336.8	330.4	324.1
80°	292.3	286.0	286.0	282.8	273.2	266.9	266.9	257.4	257.4	251.0	247.8
82.5°	200.2	197.0	193.8	197.0	190.6	184.3	187.5	184.3	181.1	174.8	171.6
85°	117.6	114.4	111.2	117.6	111.2	114.4	111.2	108.0	108.0	104.9	101.7
87.5°	44.5	44.5	41.3	44.5	44.5	47.7	44.5	44.5	44.5	44.5	44.5
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: P572021

CATALOG NUMBER: 22ID-60-L850-SWR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	2313.1	2313.1	2313.1	2313.1	2313.1	2313.1	2313.1	2313.1	2313.1	2313.1	2313.1
2.5°	2313.1	2313.1	2313.1	2313.1	2313.1	2313.1	2313.1	2313.1	2313.1	2313.1	2313.1
5°	2306.7	2306.7	2306.7	2306.7	2306.7	2306.7	2306.7	2306.7	2306.7	2303.5	2306.7
7.5°	2294.0	2290.8	2294.0	2290.8	2290.8	2290.8	2290.8	2290.8	2290.8	2290.8	2290.8
10°	2274.9	2274.9	2274.9	2274.9	2274.9	2274.9	2274.9	2274.9	2274.9	2271.8	2271.8
12.5°	2252.7	2252.7	2249.5	2249.5	2249.5	2246.3	2246.3	2249.5	2249.5	2246.3	2249.5
15°	2220.9	2224.1	2217.8	2214.6	2214.6	2214.6	2214.6	2214.6	2214.6	2214.6	2217.8
17.5°	2186.0	2182.8	2179.6	2179.6	2176.4	2173.3	2173.3	2176.4	2176.4	2179.6	2179.6
20°	2141.5	2141.5	2135.1	2132.0	2128.8	2125.6	2125.6	2128.8	2128.8	2128.8	2135.1
22.5°	2090.7	2087.5	2081.1	2078.0	2078.0	2071.6	2074.8	2078.0	2078.0	2078.0	2081.1
25°	2033.5	2030.3	2027.1	2023.9	2017.6	2014.4	2014.4	2020.8	2020.8	2027.1	2030.3
27.5°	1973.1	1969.9	1963.6	1957.2	1954.0	1950.9	1950.9	1957.2	1957.2	1963.6	1966.7
30°	1909.6	1906.4	1896.8	1893.7	1884.1	1881.0	1884.1	1890.5	1893.7	1896.8	1900.0
32.5°	1842.8	1836.5	1826.9	1823.8	1814.2	1817.4	1811.1	1820.6	1823.8	1826.9	1830.1
35°	1769.8	1763.4	1753.9	1744.3	1741.2	1738.0	1738.0	1744.3	1744.3	1753.9	1757.0
37.5°	1690.3	1687.1	1677.6	1671.3	1664.9	1664.9	1658.5	1668.1	1671.3	1677.6	1677.6
40°	1617.2	1614.1	1598.2	1591.8	1585.5	1588.6	1579.1	1588.6	1591.8	1598.2	1601.4
42.5°	1531.5	1528.3	1515.6	1509.2	1502.9	1506.0	1496.5	1506.0	1502.9	1512.4	1515.6
45°	1448.8	1445.7	1436.1	1423.4	1417.1	1420.3	1420.3	1420.3	1417.1	1426.6	1429.8
47.5°	1366.2	1359.9	1350.4	1337.6	1331.3	1334.5	1334.5	1334.5	1331.3	1344.0	1344.0
50°	1280.5	1274.1	1264.6	1251.9	1248.7	1248.7	1248.7	1248.7	1248.7	1255.0	1258.2
52.5°	1191.5	1188.3	1178.8	1166.1	1159.7	1159.7	1159.7	1153.4	1159.7	1162.9	1166.1
55°	1102.5	1099.3	1083.5	1077.1	1070.7	1073.9	1070.7	1067.6	1067.6	1073.9	1077.1
57.5°	1013.6	1010.4	1000.8	997.7	981.8	985.0	981.8	981.8	985.0	985.0	988.1
60°	924.6	921.4	911.9	908.7	896.0	899.2	886.5	892.8	896.0	896.0	896.0
62.5°	829.3	829.3	813.4	807.0	800.7	803.9	794.3	794.3	794.3	800.7	800.7
65°	743.5	740.3	727.6	721.2	714.9	714.9	708.5	708.5	705.4	711.7	711.7
67.5°	654.5	654.5	641.8	635.5	629.1	632.3	622.7	622.7	625.9	625.9	625.9
70°	568.7	568.7	559.2	556.0	546.5	546.5	537.0	540.1	540.1	540.1	540.1
72.5°	486.1	486.1	476.6	473.4	463.9	463.9	454.4	457.5	457.5	454.4	454.4
75°	403.5	406.7	390.8	387.6	381.3	384.5	378.1	374.9	378.1	371.7	371.7
77.5°	320.9	320.9	317.7	314.6	305.0	305.0	301.8	295.5	298.7	292.3	292.3
80°	241.5	244.7	235.1	238.3	228.8	231.9	228.8	222.4	222.4	219.2	216.1
82.5°	168.4	168.4	165.2	168.4	165.2	162.0	158.9	155.7	155.7	149.3	149.3
85°	101.7	104.9	98.5	101.7	101.7	98.5	92.1	92.1	92.1	89.0	89.0
87.5°	41.3	47.7	44.5	44.5	44.5	44.5	41.3	44.5	41.3	38.1	38.1
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: P572021

CATALOG NUMBER: 22ID-60-L850-SWR

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	2313.1	2313.1	2313.1	2313.1	2313.1	2313.1	2313.1	2313.1	2313.1	2313.1	2313.1
2.5°	2309.9	2313.1	2313.1	2313.1	2313.1	2309.9	2309.9	2309.9	2309.9	2309.9	2313.1
5°	2303.5	2306.7	2306.7	2306.7	2306.7	2306.7	2306.7	2306.7	2306.7	2306.7	2306.7
7.5°	2290.8	2290.8	2294.0	2294.0	2294.0	2294.0	2297.2	2294.0	2297.2	2294.0	2297.2
10°	2271.8	2274.9	2278.1	2278.1	2281.3	2278.1	2281.3	2281.3	2284.5	2284.5	2284.5
12.5°	2249.5	2252.7	2252.7	2259.1	2259.1	2259.1	2262.2	2262.2	2265.4	2268.6	2268.6
15°	2217.8	2220.9	2224.1	2224.1	2230.5	2236.8	2236.8	2240.0	2243.2	2246.3	2246.3
17.5°	2179.6	2182.8	2186.0	2192.3	2198.7	2205.0	2208.2	2208.2	2214.6	2217.8	2217.8
20°	2135.1	2141.5	2147.9	2154.2	2157.4	2166.9	2170.1	2173.3	2179.6	2186.0	2186.0
22.5°	2087.5	2090.7	2100.2	2106.5	2112.9	2122.4	2125.6	2135.1	2141.5	2144.7	2147.9
25°	2030.3	2036.6	2046.2	2052.5	2058.9	2071.6	2081.1	2087.5	2097.0	2103.4	2103.4
27.5°	1966.7	1976.3	1985.8	1992.2	2001.7	2017.6	2027.1	2033.5	2046.2	2052.5	2055.7
30°	1903.2	1909.6	1922.3	1931.8	1941.3	1957.2	1969.9	1979.5	1992.2	1998.5	2001.7
32.5°	1833.3	1842.8	1855.5	1865.1	1877.8	1893.7	1906.4	1915.9	1935.0	1938.2	1941.3
35°	1760.2	1769.8	1779.3	1795.2	1807.9	1823.8	1839.7	1852.4	1861.9	1874.6	1877.8
37.5°	1684.0	1693.5	1706.2	1718.9	1731.6	1750.7	1766.6	1776.1	1792.0	1801.5	1807.9
40°	1604.5	1614.1	1630.0	1645.8	1655.4	1674.4	1690.3	1703.0	1725.3	1731.6	1731.6
42.5°	1518.7	1531.5	1541.0	1560.1	1569.6	1591.8	1607.7	1626.8	1639.5	1649.0	1652.2
45°	1436.1	1445.7	1464.7	1477.4	1487.0	1509.2	1525.1	1541.0	1556.9	1563.2	1569.6
47.5°	1347.2	1359.9	1375.8	1382.1	1398.0	1420.3	1436.1	1452.0	1471.1	1477.4	1480.6
50°	1261.4	1270.9	1280.5	1293.2	1305.9	1328.1	1347.2	1363.1	1378.9	1385.3	1388.5
52.5°	1172.4	1182.0	1191.5	1207.4	1213.7	1236.0	1245.5	1261.4	1283.6	1290.0	1293.2
55°	1080.3	1093.0	1105.7	1115.2	1121.6	1140.6	1153.4	1172.4	1185.1	1191.5	1197.8
57.5°	988.1	997.7	1010.4	1023.1	1026.3	1045.3	1061.2	1070.7	1086.6	1093.0	1099.3
60°	899.2	908.7	918.2	921.4	930.9	950.0	965.9	972.3	988.1	994.5	997.7
62.5°	803.9	807.0	819.7	829.3	829.3	854.7	864.2	876.9	889.6	892.8	899.2
65°	714.9	721.2	721.2	727.6	737.1	753.0	759.4	775.3	784.8	788.0	791.1
67.5°	625.9	632.3	638.6	645.0	645.0	660.9	664.1	676.8	686.3	689.5	692.7
70°	540.1	540.1	549.7	556.0	552.8	565.6	571.9	578.3	591.0	594.2	597.3
72.5°	457.5	454.4	460.7	467.1	473.4	476.6	482.9	486.1	495.7	502.0	505.2
75°	374.9	378.1	378.1	381.3	378.1	381.3	390.8	400.3	406.7	409.9	416.2
77.5°	292.3	295.5	295.5	298.7	301.8	301.8	305.0	317.7	324.1	327.3	324.1
80°	216.1	219.2	219.2	222.4	225.6	228.8	228.8	235.1	244.7	247.8	247.8
82.5°	152.5	152.5	152.5	152.5	155.7	155.7	158.9	165.2	171.6	171.6	177.9
85°	92.1	92.1	89.0	92.1	89.0	92.1	95.3	101.7	104.9	104.9	108.0
87.5°	41.3	38.1	41.3	41.3	38.1	38.1	38.1	41.3	41.3	44.5	44.5
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°	2313.1	2313.1	2313.1	2313.1
2.5°	2313.1	2313.1	2313.1	2313.1
5°	2306.7	2306.7	2306.7	2306.7
7.5°	2297.2	2297.2	2297.2	2297.2
10°	2284.5	2287.7	2287.7	2287.7
12.5°	2268.6	2268.6	2271.8	2271.8
15°	2249.5	2249.5	2249.5	2252.7
17.5°	2220.9	2224.1	2224.1	2224.1
20°	2189.2	2192.3	2192.3	2189.2
22.5°	2147.9	2151.0	2154.2	2154.2
25°	2106.5	2112.9	2116.1	2116.1
27.5°	2058.9	2065.2	2068.4	2068.4
30°	2008.1	2014.4	2014.4	2014.4
32.5°	1947.7	1957.2	1960.4	1960.4
35°	1884.1	1896.8	1900.0	1900.0
37.5°	1817.4	1823.8	1833.3	1833.3
40°	1744.3	1750.7	1760.2	1760.2
42.5°	1664.9	1677.6	1677.6	1684.0
45°	1579.1	1591.8	1595.0	1601.4
47.5°	1493.3	1506.0	1509.2	1512.4
50°	1401.2	1410.7	1420.3	1420.3
52.5°	1309.0	1315.4	1321.8	1328.1
55°	1210.5	1220.1	1223.3	1229.6
57.5°	1108.9	1121.6	1124.8	1131.1
60°	1010.4	1019.9	1026.3	1029.4
62.5°	911.9	918.2	921.4	927.8
65°	803.9	813.4	813.4	819.7
67.5°	705.4	711.7	714.9	718.1
70°	600.5	613.2	616.4	622.7
72.5°	508.4	521.1	521.1	527.4
75°	425.8	428.9	428.9	435.3
77.5°	336.8	340.0	343.1	346.3
80°	254.2	257.4	257.4	263.7
82.5°	181.1	181.1	181.1	184.3
85°	111.2	108.0	104.9	108.0
87.5°	44.5	44.5	47.7	41.3
90°	0.0	0.0	0.0	0.0

TEST NUMBER: P572021

CATALOG NUMBER: 22ID-60-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	18.27	19.89	18.63	20.21	20.52	17.15	18.78	17.51	19.09	19.41
	3H	20.02	21.49	20.39	21.81	22.17	18.77	20.24	19.14	20.56	20.92
	4H	20.68	22.06	21.07	22.41	22.78	19.36	20.74	19.76	21.09	21.47
	6H	21.17	22.45	21.58	22.81	23.21	19.79	21.08	20.20	21.44	21.83
	8H	21.33	22.55	21.75	22.94	23.34	19.93	21.15	20.35	21.54	21.94
	12H	21.42	22.60	21.85	22.98	23.41	20.01	21.18	20.44	21.56	21.99
4H	2H	18.75	20.13	19.15	20.48	20.86	17.85	19.23	18.25	19.58	19.96
	3H	20.73	21.89	21.14	22.28	22.68	19.67	20.83	20.08	21.23	21.63
	4H	21.52	22.57	21.95	22.98	23.42	20.38	21.43	20.81	21.84	22.28
	6H	22.15	23.07	22.61	23.51	23.97	20.93	21.84	21.38	22.28	22.74
	8H	22.37	23.22	22.83	23.67	24.13	21.10	21.95	21.56	22.40	22.86
	12H	22.51	23.28	22.99	23.76	24.23	21.21	21.98	21.69	22.46	22.93
8H	4H	21.76	22.61	22.22	23.06	23.52	20.73	21.59	21.19	22.03	22.49
	6H	22.50	23.21	22.99	23.70	24.18	21.38	22.09	21.87	22.58	23.06
	8H	22.79	23.43	23.30	23.93	24.42	21.62	22.25	22.12	22.76	23.25
	12H	23.01	23.57	23.51	24.06	24.63	21.79	22.36	22.30	22.85	23.41
12H	4H	21.78	22.55	22.26	23.02	23.49	20.77	21.54	21.25	22.02	22.49
	6H	22.53	23.17	23.04	23.68	24.17	21.45	22.09	21.95	22.59	23.08
	8H	22.87	23.44	23.38	23.93	24.49	21.73	22.30	22.24	22.79	23.35

END OF REPORT