

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: P572013

Luminaire Tested: 22ID-60-L835-SWR

Issue Date: 10/5/2021

Test Information

Test Method: LM-79-2019
Report Number: P572013
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-L835-SWR
Description: 6000 LUMEN, 2X2 INDEPTH TROFFER WITH 2IN REGRESSED SWEEP LENS AND 3500K, 80 CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6021.0 lumens
Efficiency: N/A
Efficacy: 118.3 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

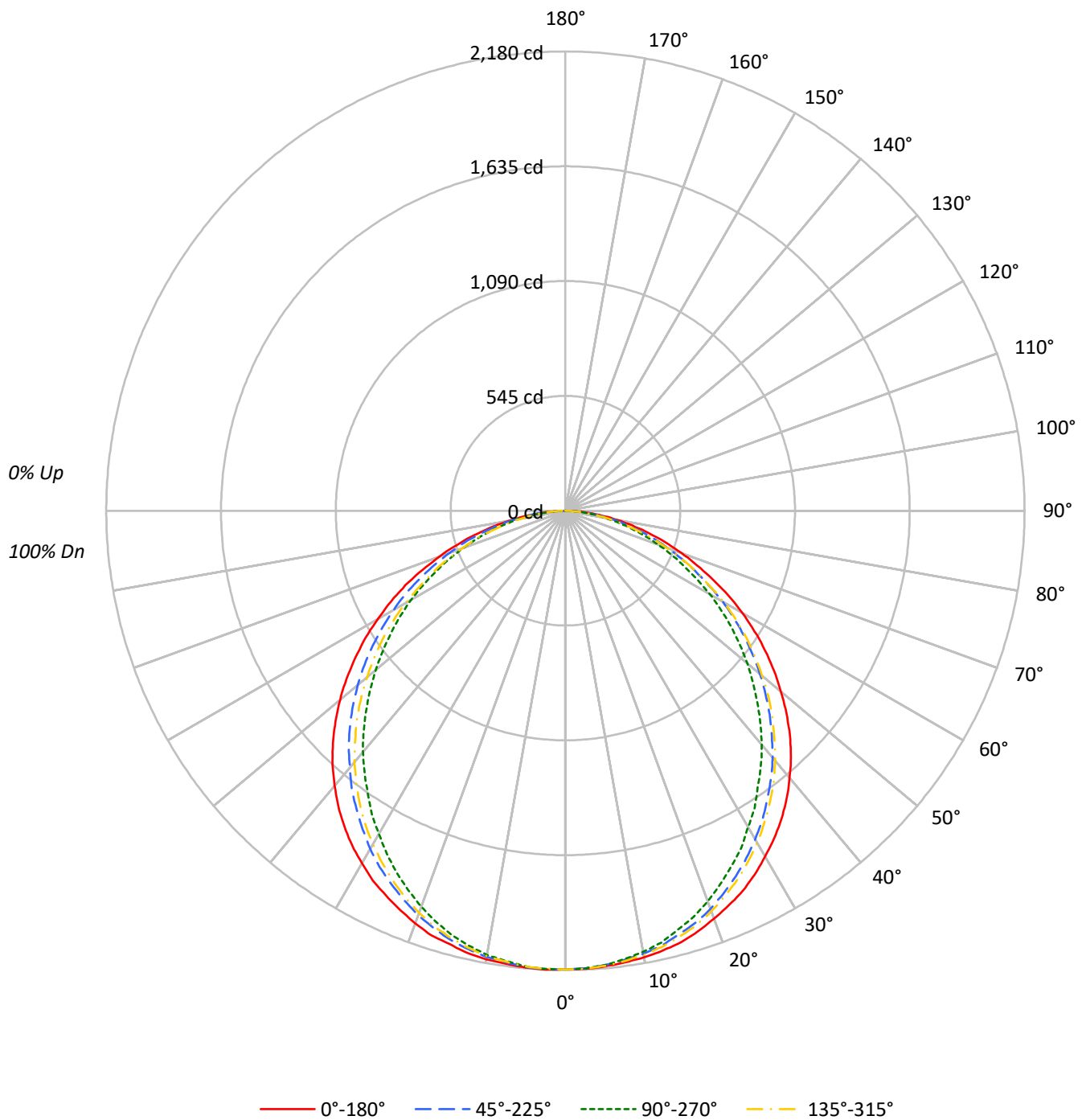
Input Watts (W): 50.9
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5859	5859	5859	5859
5°	5865	5849	5881	5865
10°	5884	5810	5908	5851
15°	5907	5740	5932	5807
20°	5901	5652	5969	5729
25°	5914	5532	5985	5630
30°	5891	5390	6003	5501
35°	5875	5236	6012	5374
40°	5820	5095	5988	5253
45°	5736	4905	5941	5087
50°	5596	4720	5847	4920
55°	5430	4504	5711	4742
60°	5215	4265	5536	4555
65°	4913	3961	5332	4285
70°	4611	3670	5012	4047
75°	4260	3327	4664	3763
80°	3846	2920	4125	3383
85°	3140	2402	3233	2862

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 180°

Vertical Angle: 45°

Luminance: 5941 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.2	3.4
10°-20°	591.7	9.8
20°-30°	893.1	14.8
30°-40°	1066.3	17.7
40°-50°	1088.1	18.1
50°-60°	959.6	15.9
60°-70°	709.1	11.8
70°-80°	399.8	6.6
80°-90°	107.1	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°	1691.0	28.1
0°-40°	2757.3	45.8
0°-60°	4805.0	79.8
0°-90°	6021.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6021.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2177	2177	2177	2177	2177	
5°	2171	2165	2177	2171	2171	207
15°	2120	2060	2129	2084	2120	598
25°	1992	1863	2016	1896	1992	917
35°	1788	1594	1830	1636	1788	1118
45°	1507	1289	1561	1337	1507	1161
55°	1157	960	1217	1011	1157	1034
65°	772	622	837	673	772	766
75°	410	320	449	362	410	435
85°	102	78	105	93	102	119
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°	2177.1	2177.1	2177.1	2177.1	2177.1	2177.1	2177.1	2177.1	2177.1	2177.1	2177.1
2.5°	2177.1	2177.1	2177.1	2177.1	2174.1	2171.1	2171.1	2174.1	2174.1	2171.1	2174.1
5°	2171.1	2171.1	2171.1	2168.1	2165.2	2165.2	2165.2	2165.2	2162.2	2165.2	2165.2
7.5°	2162.2	2162.2	2162.2	2159.2	2156.2	2156.2	2156.2	2153.2	2150.2	2153.2	2150.2
10°	2153.2	2150.2	2150.2	2150.2	2144.2	2141.2	2141.2	2141.2	2138.2	2138.2	2135.2
12.5°	2138.2	2135.2	2135.2	2132.3	2129.3	2126.3	2123.3	2120.3	2117.3	2114.3	2114.3
15°	2120.3	2120.3	2114.3	2111.3	2105.3	2102.4	2099.4	2096.4	2090.4	2087.4	2081.4
17.5°	2093.4	2093.4	2087.4	2084.4	2078.4	2072.4	2072.4	2066.5	2060.5	2054.5	2051.5
20°	2060.5	2063.5	2060.5	2054.5	2045.5	2042.5	2039.5	2033.6	2024.6	2018.6	2012.6
22.5°	2027.6	2030.6	2024.6	2015.6	2009.6	2006.7	2000.7	1991.7	1982.7	1973.8	1964.8
25°	1991.7	1988.7	1982.7	1976.7	1967.8	1964.8	1958.8	1949.8	1934.9	1925.9	1913.9
27.5°	1946.8	1946.8	1937.9	1931.9	1916.9	1916.9	1908.0	1896.0	1884.0	1869.1	1860.1
30°	1896.0	1896.0	1890.0	1881.1	1866.1	1863.1	1854.1	1845.2	1827.2	1812.3	1800.3
32.5°	1845.2	1842.2	1836.2	1827.2	1812.3	1806.3	1797.3	1785.4	1770.4	1749.5	1740.5
35°	1788.3	1785.4	1776.4	1764.4	1752.5	1746.5	1737.5	1722.6	1707.6	1686.7	1671.7
37.5°	1725.5	1722.6	1713.6	1701.6	1686.7	1680.7	1671.7	1656.8	1635.8	1620.9	1602.9
40°	1656.8	1653.8	1647.8	1635.8	1620.9	1614.9	1602.9	1588.0	1564.1	1546.1	1531.2
42.5°	1585.0	1582.0	1573.0	1558.1	1546.1	1540.1	1528.2	1513.2	1492.3	1471.3	1450.4
45°	1507.2	1504.2	1495.3	1477.3	1468.4	1459.4	1447.4	1432.5	1414.5	1396.6	1372.7
47.5°	1423.5	1420.5	1414.5	1399.6	1381.6	1378.6	1366.7	1351.7	1330.8	1306.9	1288.9
50°	1336.8	1336.8	1327.8	1315.8	1303.9	1294.9	1282.9	1268.0	1241.1	1226.1	1205.2
52.5°	1250.0	1247.1	1241.1	1226.1	1217.2	1208.2	1193.2	1184.3	1157.3	1145.4	1121.5
55°	1157.3	1154.3	1142.4	1133.4	1127.4	1118.5	1106.5	1088.6	1073.6	1055.7	1034.7
57.5°	1064.6	1061.6	1052.7	1046.7	1034.7	1025.8	1013.8	1001.8	980.9	968.9	948.0
60°	968.9	968.9	963.0	954.0	942.0	933.0	924.1	912.1	894.2	876.2	861.3
62.5°	873.2	873.2	864.3	855.3	849.3	840.3	834.4	819.4	804.5	792.5	768.6
65°	771.6	771.6	759.6	756.6	750.6	744.6	735.7	720.7	711.7	690.8	681.8
67.5°	675.9	678.9	669.9	669.9	660.9	654.9	646.0	634.0	625.0	607.1	598.1
70°	586.1	589.1	583.2	580.2	571.2	565.2	559.2	550.3	538.3	532.3	517.4
72.5°	496.4	499.4	493.4	493.4	484.5	481.5	475.5	469.5	457.6	451.6	436.6
75°	409.7	406.7	406.7	409.7	400.7	397.7	394.8	382.8	376.8	370.8	358.9
77.5°	326.0	326.0	329.0	326.0	320.0	317.0	311.0	302.0	299.1	296.1	284.1
80°	248.2	251.2	251.2	248.2	242.2	239.2	236.3	227.3	224.3	224.3	215.3
82.5°	173.5	173.5	170.5	173.5	167.5	164.5	167.5	158.5	155.5	155.5	149.5
85°	101.7	98.7	98.7	101.7	98.7	98.7	98.7	92.7	92.7	92.7	86.7
87.5°	38.9	38.9	41.9	41.9	38.9	38.9	38.9	38.9	35.9	35.9	32.9
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):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	2177.1	2177.1	2177.1	2177.1	2177.1	2177.1	2177.1	2177.1	2177.1	2177.1	2177.1
2.5°	2171.1	2171.1	2171.1	2171.1	2174.1	2171.1	2174.1	2174.1	2177.1	2174.1	2177.1
5°	2165.2	2165.2	2162.2	2162.2	2162.2	2162.2	2162.2	2162.2	2162.2	2165.2	2165.2
7.5°	2150.2	2150.2	2147.2	2147.2	2147.2	2147.2	2144.2	2144.2	2147.2	2147.2	2147.2
10°	2132.3	2129.3	2126.3	2126.3	2126.3	2126.3	2123.3	2126.3	2126.3	2126.3	2126.3
12.5°	2105.3	2105.3	2102.4	2099.4	2099.4	2099.4	2096.4	2099.4	2099.4	2099.4	2099.4
15°	2078.4	2075.4	2072.4	2066.5	2066.5	2063.5	2060.5	2063.5	2060.5	2060.5	2063.5
17.5°	2039.5	2039.5	2033.6	2030.6	2027.6	2024.6	2021.6	2021.6	2021.6	2021.6	2027.6
20°	2000.7	1997.7	1991.7	1979.7	1982.7	1979.7	1973.8	1976.7	1976.7	1973.8	1973.8
22.5°	1958.8	1946.8	1940.9	1928.9	1931.9	1925.9	1922.9	1925.9	1922.9	1919.9	1925.9
25°	1902.0	1896.0	1881.1	1881.1	1875.1	1872.1	1872.1	1869.1	1866.1	1863.1	1869.1
27.5°	1851.1	1839.2	1830.2	1818.2	1812.3	1812.3	1809.3	1806.3	1800.3	1806.3	1806.3
30°	1788.3	1776.4	1761.4	1755.4	1749.5	1749.5	1743.5	1740.5	1734.5	1734.5	1743.5
32.5°	1728.5	1710.6	1695.6	1686.7	1683.7	1680.7	1677.7	1665.7	1668.7	1671.7	1674.7
35°	1656.8	1641.8	1629.8	1620.9	1611.9	1608.9	1605.9	1596.9	1596.9	1594.0	1602.9
37.5°	1588.0	1570.0	1561.1	1546.1	1540.1	1534.1	1531.2	1525.2	1522.2	1525.2	1528.2
40°	1513.2	1498.3	1483.3	1468.4	1462.4	1459.4	1450.4	1450.4	1444.4	1450.4	1450.4
42.5°	1435.5	1420.5	1402.6	1390.6	1384.6	1378.6	1372.7	1369.7	1369.7	1369.7	1372.7
45°	1357.7	1339.8	1321.8	1309.9	1303.9	1300.9	1291.9	1288.9	1282.9	1288.9	1291.9
47.5°	1274.0	1259.0	1241.1	1232.1	1223.1	1220.1	1211.2	1205.2	1202.2	1208.2	1208.2
50°	1190.2	1175.3	1160.3	1148.4	1139.4	1136.4	1127.4	1127.4	1121.5	1127.4	1127.4
52.5°	1106.5	1091.5	1076.6	1061.6	1055.7	1052.7	1043.7	1043.7	1043.7	1043.7	1043.7
55°	1022.8	1001.8	992.9	977.9	971.9	968.9	965.9	957.0	960.0	960.0	960.0
57.5°	936.0	921.1	903.1	897.2	888.2	885.2	885.2	873.2	870.2	876.2	876.2
60°	849.3	837.4	819.4	810.4	804.5	804.5	795.5	783.5	780.5	792.5	792.5
62.5°	759.6	741.7	732.7	723.7	717.7	714.7	711.7	702.8	705.8	702.8	702.8
65°	675.9	657.9	651.9	643.0	637.0	634.0	631.0	625.0	619.0	622.0	622.0
67.5°	592.1	577.2	568.2	562.2	556.2	556.2	550.3	544.3	547.3	544.3	544.3
70°	511.4	499.4	487.5	484.5	478.5	478.5	475.5	472.5	469.5	466.5	466.5
72.5°	433.6	421.7	412.7	406.7	403.7	403.7	400.7	391.8	394.8	391.8	391.8
75°	352.9	343.9	340.9	334.9	332.0	332.0	329.0	323.0	326.0	320.0	314.0
77.5°	281.1	272.1	269.1	266.2	269.1	266.2	257.2	260.2	257.2	251.2	251.2
80°	215.3	206.3	206.3	200.4	197.4	197.4	194.4	194.4	191.4	188.4	188.4
82.5°	146.5	143.5	140.6	137.6	134.6	140.6	134.6	131.6	131.6	131.6	128.6
85°	83.7	83.7	80.7	80.7	77.8	80.7	77.8	74.8	77.8	77.8	71.8
87.5°	32.9	35.9	29.9	29.9	29.9	29.9	26.9	29.9	29.9	29.9	26.9
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):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	2177.1	2177.1	2177.1	2177.1	2177.1	2177.1	2177.1	2177.1	2177.1	2177.1	2177.1
2.5°	2177.1	2174.1	2174.1	2174.1	2174.1	2171.1	2174.1	2174.1	2177.1	2174.1	2174.1
5°	2165.2	2162.2	2165.2	2162.2	2162.2	2165.2	2165.2	2168.1	2168.1	2171.1	2171.1
7.5°	2147.2	2147.2	2147.2	2147.2	2147.2	2150.2	2150.2	2153.2	2156.2	2156.2	2159.2
10°	2126.3	2126.3	2129.3	2126.3	2129.3	2132.3	2135.2	2138.2	2141.2	2144.2	2144.2
12.5°	2099.4	2099.4	2099.4	2105.3	2105.3	2108.3	2111.3	2117.3	2120.3	2126.3	2126.3
15°	2063.5	2063.5	2069.5	2069.5	2072.4	2078.4	2084.4	2087.4	2093.4	2099.4	2102.4
17.5°	2024.6	2024.6	2030.6	2030.6	2033.6	2042.5	2048.5	2051.5	2063.5	2069.5	2075.4
20°	1979.7	1979.7	1988.7	1985.7	1991.7	2000.7	2006.7	2015.6	2024.6	2033.6	2039.5
22.5°	1925.9	1928.9	1937.9	1937.9	1940.9	1952.8	1961.8	1970.8	1979.7	1991.7	2000.7
25°	1869.1	1872.1	1881.1	1884.0	1887.0	1899.0	1911.0	1916.9	1931.9	1946.8	1952.8
27.5°	1806.3	1812.3	1818.2	1821.2	1827.2	1842.2	1854.1	1866.1	1878.1	1893.0	1905.0
30°	1743.5	1749.5	1755.4	1758.4	1764.4	1779.4	1791.3	1806.3	1821.2	1836.2	1848.2
32.5°	1671.7	1680.7	1686.7	1692.6	1695.6	1713.6	1728.5	1743.5	1758.4	1776.4	1791.3
35°	1602.9	1611.9	1617.9	1620.9	1626.9	1644.8	1656.8	1671.7	1692.6	1710.6	1725.5
37.5°	1528.2	1534.1	1546.1	1546.1	1552.1	1573.0	1588.0	1602.9	1623.9	1641.8	1659.8
40°	1453.4	1456.4	1468.4	1471.3	1477.3	1498.3	1513.2	1534.1	1549.1	1570.0	1588.0
42.5°	1372.7	1381.6	1393.6	1399.6	1405.6	1417.5	1429.5	1453.4	1468.4	1492.3	1510.2
45°	1291.9	1300.9	1306.9	1309.9	1324.8	1336.8	1348.7	1372.7	1390.6	1411.5	1432.5
47.5°	1211.2	1217.2	1226.1	1238.1	1244.1	1256.0	1265.0	1288.9	1306.9	1330.8	1348.7
50°	1127.4	1136.4	1142.4	1145.4	1157.3	1172.3	1184.3	1205.2	1220.1	1244.1	1265.0
52.5°	1043.7	1055.7	1055.7	1067.6	1073.6	1079.6	1097.5	1118.5	1133.4	1154.3	1175.3
55°	963.0	968.9	977.9	980.9	989.9	995.9	1007.8	1028.7	1046.7	1067.6	1088.6
57.5°	873.2	879.2	885.2	897.2	903.1	915.1	927.1	942.0	957.0	977.9	992.9
60°	786.5	795.5	801.5	810.4	810.4	825.4	840.3	855.3	867.3	888.2	903.1
62.5°	708.8	708.8	708.8	720.7	717.7	729.7	741.7	759.6	771.6	798.5	816.4
65°	625.0	628.0	628.0	637.0	634.0	646.0	654.9	672.9	684.8	699.8	717.7
67.5°	544.3	544.3	547.3	556.2	553.3	562.2	577.2	586.1	595.1	613.1	628.0
70°	460.5	463.5	466.5	475.5	472.5	484.5	493.4	499.4	511.4	523.3	535.3
72.5°	388.8	388.8	397.7	397.7	394.8	403.7	412.7	418.7	424.7	439.6	454.6
75°	320.0	317.0	323.0	323.0	320.0	323.0	329.0	337.9	343.9	355.9	367.8
77.5°	251.2	248.2	254.2	254.2	254.2	251.2	260.2	263.2	266.2	272.1	284.1
80°	185.4	182.4	188.4	188.4	182.4	185.4	191.4	194.4	194.4	200.4	209.3
82.5°	128.6	125.6	128.6	128.6	128.6	128.6	131.6	128.6	131.6	131.6	140.6
85°	77.8	74.8	77.8	74.8	74.8	71.8	77.8	74.8	74.8	77.8	77.8
87.5°	26.9	26.9	29.9	29.9	26.9	29.9	26.9	26.9	26.9	29.9	26.9
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: P572013

CATALOG NUMBER: 22ID-60-L835-SWR

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	2177.1	2177.1	2177.1	2177.1	2177.1	2177.1	2177.1	2177.1	2177.1	2177.1	2177.1
2.5°	2177.1	2177.1	2177.1	2177.1	2177.1	2177.1	2180.1	2180.1	2177.1	2180.1	2177.1
5°	2171.1	2171.1	2174.1	2174.1	2174.1	2174.1	2174.1	2177.1	2177.1	2177.1	2174.1
7.5°	2162.2	2162.2	2162.2	2162.2	2165.2	2168.1	2168.1	2168.1	2171.1	2168.1	2168.1
10°	2147.2	2153.2	2153.2	2156.2	2156.2	2159.2	2162.2	2162.2	2162.2	2162.2	2162.2
12.5°	2132.3	2135.2	2138.2	2141.2	2144.2	2144.2	2150.2	2150.2	2150.2	2150.2	2147.2
15°	2108.3	2114.3	2117.3	2120.3	2126.3	2126.3	2132.3	2129.3	2135.2	2132.3	2129.3
17.5°	2081.4	2087.4	2093.4	2093.4	2102.4	2105.3	2111.3	2114.3	2114.3	2111.3	2105.3
20°	2048.5	2057.5	2060.5	2066.5	2072.4	2078.4	2081.4	2084.4	2087.4	2084.4	2081.4
22.5°	2009.6	2021.6	2024.6	2030.6	2039.5	2045.5	2048.5	2051.5	2054.5	2054.5	2048.5
25°	1967.8	1982.7	1982.7	1991.7	2000.7	2009.6	2015.6	2015.6	2021.6	2015.6	2015.6
27.5°	1916.9	1934.9	1943.9	1946.8	1958.8	1967.8	1973.8	1979.7	1979.7	1973.8	1973.8
30°	1866.1	1884.0	1893.0	1896.0	1911.0	1919.9	1925.9	1931.9	1931.9	1931.9	1925.9
32.5°	1809.3	1830.2	1839.2	1842.2	1860.1	1869.1	1878.1	1884.0	1884.0	1881.1	1872.1
35°	1749.5	1764.4	1779.4	1785.4	1800.3	1809.3	1824.2	1830.2	1827.2	1827.2	1818.2
37.5°	1680.7	1704.6	1713.6	1719.6	1737.5	1749.5	1764.4	1770.4	1770.4	1767.4	1761.4
40°	1608.9	1635.8	1644.8	1653.8	1671.7	1686.7	1695.6	1704.6	1704.6	1704.6	1698.6
42.5°	1537.1	1558.1	1570.0	1579.0	1599.9	1608.9	1623.9	1635.8	1635.8	1632.8	1623.9
45°	1456.4	1480.3	1492.3	1501.3	1522.2	1540.1	1549.1	1561.1	1558.1	1558.1	1546.1
47.5°	1375.6	1399.6	1411.5	1420.5	1441.4	1462.4	1468.4	1480.3	1480.3	1480.3	1468.4
50°	1291.9	1315.8	1324.8	1333.8	1357.7	1369.7	1384.6	1396.6	1396.6	1399.6	1387.6
52.5°	1205.2	1223.1	1238.1	1244.1	1268.0	1282.9	1294.9	1309.9	1309.9	1303.9	1303.9
55°	1112.5	1133.4	1148.4	1154.3	1172.3	1196.2	1205.2	1217.2	1217.2	1217.2	1211.2
57.5°	1019.8	1043.7	1055.7	1061.6	1082.6	1100.5	1112.5	1124.4	1127.4	1127.4	1115.5
60°	924.1	948.0	960.0	965.9	989.9	1004.8	1016.8	1028.7	1031.7	1034.7	1022.8
62.5°	834.4	855.3	867.3	873.2	891.2	903.1	918.1	933.0	936.0	936.0	930.1
65°	735.7	756.6	765.6	771.6	786.5	807.4	825.4	837.4	840.3	837.4	837.4
67.5°	643.0	660.9	672.9	675.9	690.8	711.7	720.7	732.7	735.7	735.7	732.7
70°	550.3	571.2	580.2	586.1	598.1	616.1	625.0	637.0	640.0	643.0	637.0
72.5°	463.5	478.5	487.5	493.4	508.4	523.3	529.3	541.3	547.3	547.3	541.3
75°	376.8	391.8	397.7	403.7	415.7	430.6	436.6	448.6	454.6	451.6	451.6
77.5°	293.1	305.0	311.0	314.0	323.0	340.9	343.9	355.9	355.9	358.9	358.9
80°	215.3	224.3	230.3	233.3	239.2	251.2	257.2	266.2	272.1	269.1	269.1
82.5°	143.5	149.5	155.5	161.5	161.5	173.5	173.5	182.4	182.4	188.4	185.4
85°	80.7	83.7	86.7	89.7	89.7	98.7	98.7	104.7	110.7	104.7	104.7
87.5°	26.9	29.9	29.9	32.9	29.9	35.9	32.9	38.9	41.9	41.9	38.9
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: P572013

CATALOG NUMBER: 22ID-60-L835-SWR

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	2177.1	2177.1	2177.1	2177.1	2177.1	2177.1	2177.1	2177.1	2177.1	2177.1	2177.1
2.5°	2177.1	2177.1	2177.1	2177.1	2177.1	2177.1	2177.1	2177.1	2177.1	2177.1	2177.1
5°	2174.1	2174.1	2171.1	2174.1	2174.1	2174.1	2174.1	2171.1	2171.1	2171.1	2171.1
7.5°	2168.1	2165.2	2165.2	2165.2	2162.2	2162.2	2162.2	2162.2	2159.2	2159.2	2159.2
10°	2159.2	2156.2	2156.2	2156.2	2153.2	2153.2	2150.2	2147.2	2147.2	2144.2	2141.2
12.5°	2147.2	2144.2	2141.2	2141.2	2138.2	2135.2	2132.3	2129.3	2126.3	2120.3	2120.3
15°	2126.3	2126.3	2123.3	2120.3	2114.3	2114.3	2108.3	2105.3	2099.4	2093.4	2093.4
17.5°	2105.3	2102.4	2099.4	2093.4	2087.4	2084.4	2078.4	2072.4	2066.5	2060.5	2057.5
20°	2078.4	2069.5	2072.4	2063.5	2057.5	2051.5	2042.5	2036.6	2027.6	2021.6	2015.6
22.5°	2042.5	2039.5	2036.6	2027.6	2018.6	2015.6	2000.7	1991.7	1982.7	1973.8	1967.8
25°	2003.7	2000.7	1997.7	1988.7	1976.7	1970.8	1955.8	1946.8	1931.9	1925.9	1919.9
27.5°	1958.8	1958.8	1952.8	1940.9	1931.9	1916.9	1908.0	1890.0	1878.1	1869.1	1863.1
30°	1911.0	1911.0	1905.0	1890.0	1878.1	1863.1	1854.1	1836.2	1821.2	1812.3	1800.3
32.5°	1863.1	1860.1	1854.1	1839.2	1824.2	1809.3	1791.3	1776.4	1758.4	1749.5	1737.5
35°	1806.3	1803.3	1797.3	1779.4	1767.4	1749.5	1728.5	1710.6	1692.6	1683.7	1665.7
37.5°	1746.5	1740.5	1734.5	1713.6	1698.6	1680.7	1665.7	1641.8	1623.9	1611.9	1602.9
40°	1680.7	1677.7	1668.7	1650.8	1629.8	1611.9	1591.0	1573.0	1555.1	1540.1	1528.2
42.5°	1614.9	1602.9	1596.9	1579.0	1564.1	1537.1	1522.2	1498.3	1480.3	1468.4	1450.4
45°	1540.1	1531.2	1522.2	1504.2	1483.3	1462.4	1447.4	1420.5	1402.6	1387.6	1372.7
47.5°	1456.4	1453.4	1444.4	1423.5	1405.6	1384.6	1366.7	1339.8	1321.8	1309.9	1294.9
50°	1372.7	1369.7	1363.7	1342.8	1318.8	1300.9	1285.9	1259.0	1241.1	1223.1	1214.2
52.5°	1294.9	1282.9	1277.0	1259.0	1235.1	1214.2	1202.2	1175.3	1157.3	1139.4	1127.4
55°	1205.2	1196.2	1190.2	1175.3	1154.3	1127.4	1115.5	1091.5	1076.6	1064.6	1046.7
57.5°	1115.5	1103.5	1097.5	1079.6	1064.6	1043.7	1028.7	1004.8	989.9	977.9	965.9
60°	1013.8	1013.8	1007.8	989.9	974.9	954.0	942.0	918.1	903.1	894.2	879.2
62.5°	930.1	918.1	915.1	894.2	885.2	864.3	855.3	834.4	825.4	810.4	795.5
65°	825.4	825.4	822.4	810.4	798.5	771.6	759.6	741.7	732.7	720.7	708.8
67.5°	732.7	723.7	723.7	711.7	696.8	681.8	672.9	654.9	648.9	634.0	625.0
70°	640.0	631.0	631.0	616.1	607.1	592.1	586.1	571.2	559.2	553.3	544.3
72.5°	547.3	541.3	538.3	526.3	520.4	505.4	502.4	487.5	475.5	472.5	463.5
75°	454.6	448.6	439.6	442.6	430.6	418.7	415.7	406.7	400.7	391.8	382.8
77.5°	361.9	355.9	355.9	349.9	343.9	334.9	332.0	326.0	317.0	311.0	305.0
80°	275.1	269.1	269.1	266.2	257.2	251.2	251.2	242.2	242.2	236.3	233.3
82.5°	188.4	185.4	182.4	185.4	179.4	173.5	176.4	173.5	170.5	164.5	161.5
85°	110.7	107.7	104.7	110.7	104.7	107.7	104.7	101.7	101.7	98.7	95.7
87.5°	41.9	41.9	38.9	41.9	41.9	44.9	41.9	41.9	41.9	41.9	41.9
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: P572013

CATALOG NUMBER: 22ID-60-L835-SWR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	2177.1	2177.1	2177.1	2177.1	2177.1	2177.1	2177.1	2177.1	2177.1	2177.1	2177.1
2.5°	2177.1	2177.1	2177.1	2177.1	2177.1	2177.1	2177.1	2177.1	2177.1	2177.1	2177.1
5°	2171.1	2171.1	2171.1	2171.1	2171.1	2171.1	2171.1	2171.1	2171.1	2168.1	2171.1
7.5°	2159.2	2156.2	2159.2	2156.2	2156.2	2156.2	2156.2	2156.2	2156.2	2156.2	2156.2
10°	2141.2	2141.2	2141.2	2141.2	2141.2	2141.2	2141.2	2141.2	2141.2	2138.2	2138.2
12.5°	2120.3	2120.3	2117.3	2117.3	2117.3	2114.3	2114.3	2117.3	2117.3	2114.3	2117.3
15°	2090.4	2093.4	2087.4	2084.4	2084.4	2084.4	2084.4	2084.4	2084.4	2084.4	2087.4
17.5°	2057.5	2054.5	2051.5	2051.5	2048.5	2045.5	2045.5	2048.5	2048.5	2051.5	2051.5
20°	2015.6	2015.6	2009.6	2006.7	2003.7	2000.7	2000.7	2003.7	2003.7	2003.7	2009.6
22.5°	1967.8	1964.8	1958.8	1955.8	1955.8	1949.8	1952.8	1955.8	1955.8	1955.8	1958.8
25°	1913.9	1911.0	1908.0	1905.0	1899.0	1896.0	1896.0	1902.0	1902.0	1908.0	1911.0
27.5°	1857.1	1854.1	1848.2	1842.2	1839.2	1836.2	1836.2	1842.2	1842.2	1848.2	1851.1
30°	1797.3	1794.3	1785.4	1782.4	1773.4	1770.4	1773.4	1779.4	1782.4	1785.4	1788.3
32.5°	1734.5	1728.5	1719.6	1716.6	1707.6	1710.6	1704.6	1713.6	1716.6	1719.6	1722.6
35°	1665.7	1659.8	1650.8	1641.8	1638.8	1635.8	1635.8	1641.8	1641.8	1650.8	1653.8
37.5°	1591.0	1588.0	1579.0	1573.0	1567.0	1567.0	1561.1	1570.0	1573.0	1579.0	1579.0
40°	1522.2	1519.2	1504.2	1498.3	1492.3	1495.3	1486.3	1495.3	1498.3	1504.2	1507.2
42.5°	1441.4	1438.5	1426.5	1420.5	1414.5	1417.5	1408.5	1417.5	1414.5	1423.5	1426.5
45°	1363.7	1360.7	1351.7	1339.8	1333.8	1336.8	1336.8	1336.8	1333.8	1342.8	1345.7
47.5°	1285.9	1280.0	1271.0	1259.0	1253.0	1256.0	1256.0	1256.0	1253.0	1265.0	1265.0
50°	1205.2	1199.2	1190.2	1178.3	1175.3	1175.3	1175.3	1175.3	1175.3	1181.3	1184.3
52.5°	1121.5	1118.5	1109.5	1097.5	1091.5	1091.5	1091.5	1085.6	1091.5	1094.5	1097.5
55°	1037.7	1034.7	1019.8	1013.8	1007.8	1010.8	1007.8	1004.8	1004.8	1010.8	1013.8
57.5°	954.0	951.0	942.0	939.0	924.1	927.1	924.1	924.1	927.1	927.1	930.1
60°	870.2	867.3	858.3	855.3	843.3	846.3	834.4	840.3	843.3	843.3	843.3
62.5°	780.5	780.5	765.6	759.6	753.6	756.6	747.6	747.6	747.6	753.6	753.6
65°	699.8	696.8	684.8	678.9	672.9	672.9	666.9	666.9	663.9	669.9	669.9
67.5°	616.1	616.1	604.1	598.1	592.1	595.1	586.1	586.1	589.1	589.1	589.1
70°	535.3	535.3	526.3	523.3	514.4	514.4	505.4	508.4	508.4	508.4	508.4
72.5°	457.6	457.6	448.6	445.6	436.6	436.6	427.6	430.6	430.6	427.6	427.6
75°	379.8	382.8	367.8	364.8	358.9	361.9	355.9	352.9	355.9	349.9	349.9
77.5°	302.0	302.0	299.1	296.1	287.1	287.1	284.1	278.1	281.1	275.1	275.1
80°	227.3	230.3	221.3	224.3	215.3	218.3	215.3	209.3	209.3	206.3	203.4
82.5°	158.5	158.5	155.5	158.5	155.5	152.5	149.5	146.5	146.5	140.6	140.6
85°	95.7	98.7	92.7	95.7	95.7	92.7	86.7	86.7	86.7	83.7	83.7
87.5°	38.9	44.9	41.9	41.9	41.9	41.9	38.9	41.9	38.9	35.9	35.9
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: P572013

CATALOG NUMBER: 22ID-60-L835-SWR

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	2177.1	2177.1	2177.1	2177.1	2177.1	2177.1	2177.1	2177.1	2177.1	2177.1	2177.1
2.5°	2174.1	2177.1	2177.1	2177.1	2177.1	2174.1	2174.1	2174.1	2174.1	2174.1	2177.1
5°	2168.1	2171.1	2171.1	2171.1	2171.1	2171.1	2171.1	2171.1	2171.1	2171.1	2171.1
7.5°	2156.2	2156.2	2159.2	2159.2	2159.2	2159.2	2162.2	2159.2	2162.2	2159.2	2162.2
10°	2138.2	2141.2	2144.2	2144.2	2147.2	2144.2	2147.2	2147.2	2150.2	2150.2	2150.2
12.5°	2117.3	2120.3	2120.3	2126.3	2126.3	2126.3	2129.3	2129.3	2132.3	2135.2	2135.2
15°	2087.4	2090.4	2093.4	2093.4	2099.4	2105.3	2105.3	2108.3	2111.3	2114.3	2114.3
17.5°	2051.5	2054.5	2057.5	2063.5	2069.5	2075.4	2078.4	2078.4	2084.4	2087.4	2087.4
20°	2009.6	2015.6	2021.6	2027.6	2030.6	2039.5	2042.5	2045.5	2051.5	2057.5	2057.5
22.5°	1964.8	1967.8	1976.7	1982.7	1988.7	1997.7	2000.7	2009.6	2015.6	2018.6	2021.6
25°	1911.0	1916.9	1925.9	1931.9	1937.9	1949.8	1958.8	1964.8	1973.8	1979.7	1979.7
27.5°	1851.1	1860.1	1869.1	1875.1	1884.0	1899.0	1908.0	1913.9	1925.9	1931.9	1934.9
30°	1791.3	1797.3	1809.3	1818.2	1827.2	1842.2	1854.1	1863.1	1875.1	1881.1	1884.0
32.5°	1725.5	1734.5	1746.5	1755.4	1767.4	1782.4	1794.3	1803.3	1821.2	1824.2	1827.2
35°	1656.8	1665.7	1674.7	1689.7	1701.6	1716.6	1731.5	1743.5	1752.5	1764.4	1767.4
37.5°	1585.0	1594.0	1605.9	1617.9	1629.8	1647.8	1662.7	1671.7	1686.7	1695.6	1701.6
40°	1510.2	1519.2	1534.1	1549.1	1558.1	1576.0	1591.0	1602.9	1623.9	1629.8	1629.8
42.5°	1429.5	1441.4	1450.4	1468.4	1477.3	1498.3	1513.2	1531.2	1543.1	1552.1	1555.1
45°	1351.7	1360.7	1378.6	1390.6	1399.6	1420.5	1435.5	1450.4	1465.4	1471.3	1477.3
47.5°	1268.0	1280.0	1294.9	1300.9	1315.8	1336.8	1351.7	1366.7	1384.6	1390.6	1393.6
50°	1187.2	1196.2	1205.2	1217.2	1229.1	1250.0	1268.0	1282.9	1297.9	1303.9	1306.9
52.5°	1103.5	1112.5	1121.5	1136.4	1142.4	1163.3	1172.3	1187.2	1208.2	1214.2	1217.2
55°	1016.8	1028.7	1040.7	1049.7	1055.7	1073.6	1085.6	1103.5	1115.5	1121.5	1127.4
57.5°	930.1	939.0	951.0	963.0	965.9	983.9	998.8	1007.8	1022.8	1028.7	1034.7
60°	846.3	855.3	864.3	867.3	876.2	894.2	909.1	915.1	930.1	936.0	939.0
62.5°	756.6	759.6	771.6	780.5	780.5	804.5	813.4	825.4	837.4	840.3	846.3
65°	672.9	678.9	678.9	684.8	693.8	708.8	714.7	729.7	738.7	741.7	744.6
67.5°	589.1	595.1	601.1	607.1	607.1	622.0	625.0	637.0	646.0	648.9	651.9
70°	508.4	508.4	517.4	523.3	520.4	532.3	538.3	544.3	556.2	559.2	562.2
72.5°	430.6	427.6	433.6	439.6	445.6	448.6	454.6	457.6	466.5	472.5	475.5
75°	352.9	355.9	355.9	358.9	355.9	358.9	367.8	376.8	382.8	385.8	391.8
77.5°	275.1	278.1	278.1	281.1	284.1	284.1	287.1	299.1	305.0	308.0	305.0
80°	203.4	206.3	206.3	209.3	212.3	215.3	215.3	221.3	230.3	233.3	233.3
82.5°	143.5	143.5	143.5	143.5	146.5	146.5	149.5	155.5	161.5	161.5	167.5
85°	86.7	86.7	83.7	86.7	83.7	86.7	89.7	95.7	98.7	98.7	101.7
87.5°	38.9	35.9	38.9	38.9	35.9	35.9	35.9	38.9	38.9	41.9	41.9
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°	2177.1	2177.1	2177.1	2177.1
2.5°	2177.1	2177.1	2177.1	2177.1
5°	2171.1	2171.1	2171.1	2171.1
7.5°	2162.2	2162.2	2162.2	2162.2
10°	2150.2	2153.2	2153.2	2153.2
12.5°	2135.2	2135.2	2138.2	2138.2
15°	2117.3	2117.3	2117.3	2120.3
17.5°	2090.4	2093.4	2093.4	2093.4
20°	2060.5	2063.5	2063.5	2060.5
22.5°	2021.6	2024.6	2027.6	2027.6
25°	1982.7	1988.7	1991.7	1991.7
27.5°	1937.9	1943.9	1946.8	1946.8
30°	1890.0	1896.0	1896.0	1896.0
32.5°	1833.2	1842.2	1845.2	1845.2
35°	1773.4	1785.4	1788.3	1788.3
37.5°	1710.6	1716.6	1725.5	1725.5
40°	1641.8	1647.8	1656.8	1656.8
42.5°	1567.0	1579.0	1579.0	1585.0
45°	1486.3	1498.3	1501.3	1507.2
47.5°	1405.6	1417.5	1420.5	1423.5
50°	1318.8	1327.8	1336.8	1336.8
52.5°	1232.1	1238.1	1244.1	1250.0
55°	1139.4	1148.4	1151.4	1157.3
57.5°	1043.7	1055.7	1058.7	1064.6
60°	951.0	960.0	965.9	968.9
62.5°	858.3	864.3	867.3	873.2
65°	756.6	765.6	765.6	771.6
67.5°	663.9	669.9	672.9	675.9
70°	565.2	577.2	580.2	586.1
72.5°	478.5	490.4	490.4	496.4
75°	400.7	403.7	403.7	409.7
77.5°	317.0	320.0	323.0	326.0
80°	239.2	242.2	242.2	248.2
82.5°	170.5	170.5	170.5	173.5
85°	104.7	101.7	98.7	101.7
87.5°	41.9	41.9	44.9	38.9
90°	0.0	0.0	0.0	0.0

TEST NUMBER: P572013

CATALOG NUMBER: 22ID-60-L835-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	18.06	19.68	18.42	20.00	20.31	16.94	18.57	17.30	18.88	19.19
	3H	19.81	21.28	20.18	21.60	21.96	18.56	20.03	18.93	20.35	20.71
	4H	20.47	21.85	20.86	22.20	22.57	19.15	20.53	19.55	20.88	21.26
	6H	20.96	22.24	21.37	22.60	23.00	19.58	20.87	19.99	21.23	21.62
	8H	21.12	22.34	21.54	22.73	23.13	19.72	20.94	20.14	21.33	21.73
	12H	21.21	22.39	21.64	22.77	23.20	19.80	20.97	20.23	21.35	21.78
4H	2H	18.54	19.92	18.94	20.27	20.65	17.64	19.02	18.04	19.37	19.75
	3H	20.52	21.68	20.93	22.07	22.47	19.46	20.62	19.87	21.02	21.42
	4H	21.31	22.36	21.74	22.77	23.21	20.17	21.22	20.60	21.63	22.07
	6H	21.94	22.86	22.40	23.30	23.76	20.71	21.63	21.17	22.07	22.53
	8H	22.16	23.01	22.62	23.46	23.92	20.89	21.74	21.35	22.19	22.65
	12H	22.30	23.07	22.78	23.55	24.02	21.00	21.77	21.48	22.25	22.72
8H	4H	21.55	22.40	22.01	22.85	23.31	20.52	21.38	20.98	21.82	22.28
	6H	22.29	23.00	22.78	23.49	23.97	21.17	21.88	21.66	22.37	22.85
	8H	22.58	23.22	23.09	23.72	24.21	21.40	22.04	21.91	22.55	23.04
	12H	22.80	23.36	23.30	23.85	24.41	21.58	22.15	22.09	22.64	23.20
12H	4H	21.56	22.34	22.04	22.81	23.28	20.56	21.33	21.04	21.81	22.28
	6H	22.32	22.96	22.83	23.47	23.96	21.23	21.88	21.74	22.38	22.87
	8H	22.66	23.23	23.17	23.72	24.28	21.52	22.09	22.03	22.58	23.14

END OF REPORT