

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: P572017

Luminaire Tested: 22ID-60-L840-SWR

Issue Date: 10/5/2021

Test Information

Test Method: LM-79-2019
Report Number: P572017
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-L840-SWR
Description: 6000 LUMEN, 2X2 INDEPTH TROFFER WITH 2IN REGRESSED SWEEP LENS AND 4000K, 80 CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6209.0 lumens
Efficiency: N/A
Efficacy: 122.0 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

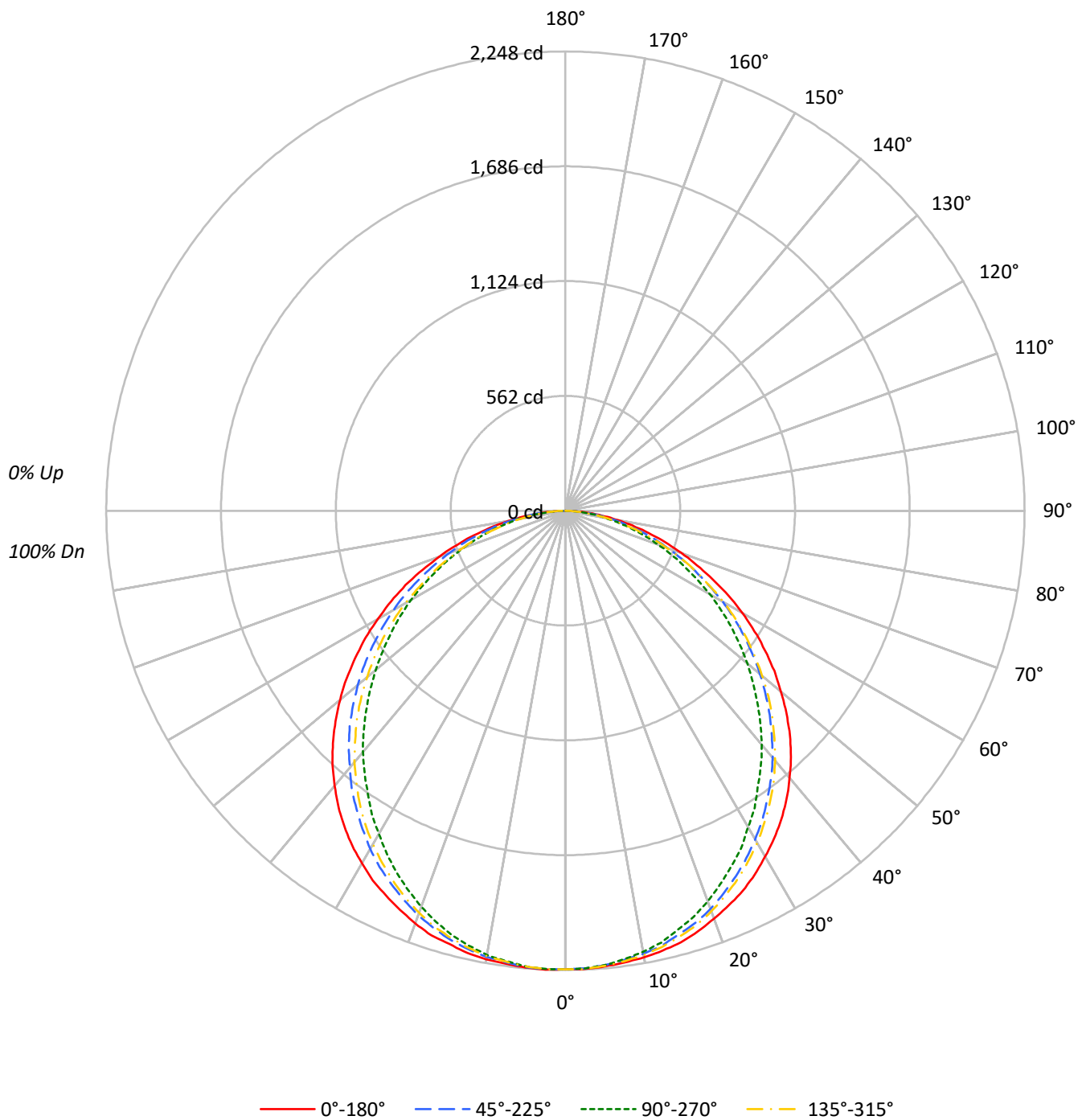
Input Watts (W): 50.9
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	6042	6042	6042	6042
5°	6048	6031	6065	6048
10°	6067	5992	6093	6034
15°	6091	5919	6117	5988
20°	6085	5829	6155	5908
25°	6098	5705	6172	5805
30°	6075	5558	6190	5673
35°	6058	5400	6200	5542
40°	6002	5254	6175	5417
45°	5915	5058	6126	5246
50°	5771	4867	6029	5074
55°	5599	4644	5889	4891
60°	5378	4398	5710	4697
65°	5067	4085	5498	4418
70°	4755	3785	5168	4173
75°	4393	3431	4810	3880
80°	3967	3011	4254	3488
85°	3239	2476	3331	2952

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 180°

Vertical Angle: 45°

Luminance: 6126 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.6	3.4
10°-20°	610.1	9.8
20°-30°	921.0	14.8
30°-40°	1099.6	17.7
40°-50°	1122.0	18.1
50°-60°	989.5	15.9
60°-70°	731.3	11.8
70°-80°	412.3	6.6
80°-90°	110.4	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°	1743.8	28.1
0°-40°	2843.4	45.8
0°-60°	4955.0	79.8
0°-90°	6209.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6209.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2245	2245	2245	2245	2245	
5°	2239	2233	2245	2239	2239	213
15°	2186	2125	2196	2150	2186	617
25°	2054	1921	2079	1955	2054	946
35°	1844	1644	1887	1687	1844	1153
45°	1554	1329	1610	1378	1554	1197
55°	1194	990	1255	1042	1194	1066
65°	796	642	864	694	796	790
75°	422	330	463	373	422	448
85°	105	80	108	96	105	123
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°	2245.1	2245.1	2245.1	2245.1	2245.1	2245.1	2245.1	2245.1	2245.1	2245.1	2245.1
2.5°	2245.1	2245.1	2245.1	2245.1	2242.0	2238.9	2238.9	2242.0	2242.0	2238.9	2242.0
5°	2238.9	2238.9	2238.9	2235.8	2232.8	2232.8	2232.8	2232.8	2229.7	2232.8	2232.8
7.5°	2229.7	2229.7	2229.7	2226.6	2223.5	2223.5	2223.5	2220.4	2217.3	2220.4	2217.3
10°	2220.4	2217.3	2217.3	2217.3	2211.2	2208.1	2208.1	2208.1	2205.0	2205.0	2201.9
12.5°	2205.0	2201.9	2201.9	2198.8	2195.8	2192.7	2189.6	2186.5	2183.4	2180.3	2180.3
15°	2186.5	2186.5	2180.3	2177.2	2171.1	2168.0	2164.9	2161.8	2155.7	2152.6	2146.4
17.5°	2158.7	2158.7	2152.6	2149.5	2143.3	2137.2	2137.2	2131.0	2124.8	2118.7	2115.6
20°	2124.8	2127.9	2124.8	2118.7	2109.4	2106.3	2103.2	2097.1	2087.8	2081.6	2075.5
22.5°	2090.9	2094.0	2087.8	2078.6	2072.4	2069.3	2063.1	2053.9	2044.6	2035.4	2026.1
25°	2053.9	2050.8	2044.6	2038.5	2029.2	2026.1	2020.0	2010.7	1995.3	1986.0	1973.7
27.5°	2007.6	2007.6	1998.4	1992.2	1976.8	1976.8	1967.5	1955.2	1942.9	1927.4	1918.2
30°	1955.2	1955.2	1949.0	1939.8	1924.4	1921.3	1912.0	1902.8	1884.3	1868.9	1856.5
32.5°	1902.8	1899.7	1893.5	1884.3	1868.9	1862.7	1853.4	1841.1	1825.7	1804.1	1794.8
35°	1844.2	1841.1	1831.8	1819.5	1807.2	1801.0	1791.8	1776.3	1760.9	1739.3	1723.9
37.5°	1779.4	1776.3	1767.1	1754.7	1739.3	1733.2	1723.9	1708.5	1686.9	1671.5	1653.0
40°	1708.5	1705.4	1699.2	1686.9	1671.5	1665.3	1653.0	1637.6	1612.9	1594.4	1579.0
42.5°	1634.5	1631.4	1622.1	1606.7	1594.4	1588.2	1575.9	1560.5	1538.9	1517.3	1495.7
45°	1554.3	1551.2	1542.0	1523.5	1514.2	1505.0	1492.6	1477.2	1458.7	1440.2	1415.5
47.5°	1467.9	1464.9	1458.7	1443.3	1424.8	1421.7	1409.4	1393.9	1372.3	1347.7	1329.2
50°	1378.5	1378.5	1369.3	1356.9	1344.6	1335.3	1323.0	1307.6	1279.8	1264.4	1242.8
52.5°	1289.1	1286.0	1279.8	1264.4	1255.2	1245.9	1230.5	1221.2	1193.5	1181.1	1156.5
55°	1193.5	1190.4	1178.1	1168.8	1162.6	1153.4	1141.0	1122.5	1107.1	1088.6	1067.0
57.5°	1097.9	1094.8	1085.5	1079.4	1067.0	1057.8	1045.4	1033.1	1011.5	999.2	977.6
60°	999.2	999.2	993.0	983.8	971.4	962.2	952.9	940.6	922.1	903.6	888.2
62.5°	900.5	900.5	891.3	882.0	875.8	866.6	860.4	845.0	829.6	817.2	792.6
65°	795.7	795.7	783.3	780.2	774.1	767.9	758.6	743.2	734.0	712.4	703.1
67.5°	697.0	700.0	690.8	690.8	681.5	675.4	666.1	653.8	644.5	626.0	616.8
70°	604.4	607.5	601.4	598.3	589.0	582.9	576.7	567.4	555.1	548.9	533.5
72.5°	511.9	515.0	508.8	508.8	499.6	496.5	490.3	484.2	471.8	465.7	450.3
75°	422.5	419.4	419.4	422.5	413.2	410.2	407.1	394.7	388.6	382.4	370.1
77.5°	336.1	336.1	339.2	336.1	330.0	326.9	320.7	311.5	308.4	305.3	293.0
80°	256.0	259.0	259.0	256.0	249.8	246.7	243.6	234.4	231.3	231.3	222.0
82.5°	178.9	178.9	175.8	178.9	172.7	169.6	172.7	163.4	160.4	160.4	154.2
85°	104.9	101.8	101.8	104.9	101.8	101.8	101.8	95.6	95.6	95.6	89.4
87.5°	40.1	40.1	43.2	43.2	40.1	40.1	40.1	40.1	37.0	37.0	33.9
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°	2245.1	2245.1	2245.1	2245.1	2245.1	2245.1	2245.1	2245.1	2245.1	2245.1	2245.1
2.5°	2238.9	2238.9	2238.9	2238.9	2242.0	2238.9	2242.0	2242.0	2245.1	2242.0	2245.1
5°	2232.8	2232.8	2229.7	2229.7	2229.7	2229.7	2229.7	2229.7	2229.7	2232.8	2232.8
7.5°	2217.3	2217.3	2214.3	2214.3	2214.3	2214.3	2211.2	2211.2	2214.3	2214.3	2214.3
10°	2198.8	2195.8	2192.7	2192.7	2192.7	2192.7	2189.6	2192.7	2192.7	2192.7	2192.7
12.5°	2171.1	2171.1	2168.0	2164.9	2164.9	2164.9	2161.8	2164.9	2164.9	2164.9	2164.9
15°	2143.3	2140.2	2137.2	2131.0	2131.0	2127.9	2124.8	2127.9	2124.8	2124.8	2127.9
17.5°	2103.2	2103.2	2097.1	2094.0	2090.9	2087.8	2084.7	2084.7	2084.7	2084.7	2090.9
20°	2063.1	2060.1	2053.9	2041.6	2044.6	2041.6	2035.4	2038.5	2038.5	2035.4	2035.4
22.5°	2020.0	2007.6	2001.5	1989.1	1992.2	1986.0	1983.0	1986.0	1983.0	1979.9	1986.0
25°	1961.4	1955.2	1939.8	1939.8	1933.6	1930.5	1930.5	1927.4	1924.4	1921.3	1927.4
27.5°	1908.9	1896.6	1887.4	1875.0	1868.9	1868.9	1865.8	1862.7	1856.5	1862.7	1862.7
30°	1844.2	1831.8	1816.4	1810.3	1804.1	1804.1	1797.9	1794.8	1788.7	1788.7	1797.9
32.5°	1782.5	1764.0	1748.6	1739.3	1736.2	1733.2	1730.1	1717.7	1720.8	1723.9	1727.0
35°	1708.5	1693.1	1680.7	1671.5	1662.2	1659.1	1656.1	1646.8	1646.8	1643.7	1653.0
37.5°	1637.6	1619.1	1609.8	1594.4	1588.2	1582.1	1579.0	1572.8	1569.7	1572.8	1575.9
40°	1560.5	1545.0	1529.6	1514.2	1508.0	1505.0	1495.7	1495.7	1489.5	1495.7	1495.7
42.5°	1480.3	1464.9	1446.4	1434.0	1427.9	1421.7	1415.5	1412.4	1412.4	1412.4	1415.5
45°	1400.1	1381.6	1363.1	1350.8	1344.6	1341.5	1332.3	1329.2	1323.0	1329.2	1332.3
47.5°	1313.7	1298.3	1279.8	1270.6	1261.3	1258.2	1249.0	1242.8	1239.7	1245.9	1245.9
50°	1227.4	1212.0	1196.6	1184.2	1175.0	1171.9	1162.6	1162.6	1156.5	1162.6	1162.6
52.5°	1141.0	1125.6	1110.2	1094.8	1088.6	1085.5	1076.3	1076.3	1076.3	1076.3	1076.3
55°	1054.7	1033.1	1023.9	1008.4	1002.3	999.2	996.1	986.9	989.9	989.9	989.9
57.5°	965.3	949.8	931.3	925.2	915.9	912.8	912.8	900.5	897.4	903.6	903.6
60°	875.8	863.5	845.0	835.7	829.6	829.6	820.3	808.0	804.9	817.2	817.2
62.5°	783.3	764.8	755.6	746.3	740.1	737.1	734.0	724.7	727.8	724.7	724.7
65°	697.0	678.5	672.3	663.0	656.9	653.8	650.7	644.5	638.4	641.5	641.5
67.5°	610.6	595.2	585.9	579.8	573.6	573.6	567.4	561.3	564.4	561.3	561.3
70°	527.4	515.0	502.7	499.6	493.4	493.4	490.3	487.3	484.2	481.1	481.1
72.5°	447.2	434.8	425.6	419.4	416.3	416.3	413.2	404.0	407.1	404.0	404.0
75°	363.9	354.7	351.6	345.4	342.3	342.3	339.2	333.1	336.1	330.0	323.8
77.5°	289.9	280.6	277.6	274.5	277.6	274.5	265.2	268.3	265.2	259.0	259.0
80°	222.0	212.8	212.8	206.6	203.5	203.5	200.5	200.5	197.4	194.3	194.3
82.5°	151.1	148.0	144.9	141.9	138.8	144.9	138.8	135.7	135.7	135.7	132.6
85°	86.3	86.3	83.3	83.3	80.2	83.3	80.2	77.1	80.2	80.2	74.0
87.5°	33.9	37.0	30.8	30.8	30.8	30.8	27.8	30.8	30.8	30.8	27.8
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°	2245.1	2245.1	2245.1	2245.1	2245.1	2245.1	2245.1	2245.1	2245.1	2245.1	2245.1
2.5°	2245.1	2242.0	2242.0	2242.0	2242.0	2238.9	2242.0	2242.0	2245.1	2242.0	2242.0
5°	2232.8	2229.7	2232.8	2229.7	2229.7	2232.8	2232.8	2235.8	2235.8	2238.9	2238.9
7.5°	2214.3	2214.3	2214.3	2214.3	2214.3	2217.3	2217.3	2220.4	2223.5	2223.5	2226.6
10°	2192.7	2192.7	2195.8	2192.7	2195.8	2198.8	2201.9	2205.0	2208.1	2211.2	2211.2
12.5°	2164.9	2164.9	2164.9	2171.1	2171.1	2174.2	2177.2	2183.4	2186.5	2192.7	2192.7
15°	2127.9	2127.9	2134.1	2134.1	2137.2	2143.3	2149.5	2152.6	2158.7	2164.9	2168.0
17.5°	2087.8	2087.8	2094.0	2094.0	2097.1	2106.3	2112.5	2115.6	2127.9	2134.1	2140.2
20°	2041.6	2041.6	2050.8	2047.7	2053.9	2063.1	2069.3	2078.6	2087.8	2097.1	2103.2
22.5°	1986.0	1989.1	1998.4	1998.4	2001.5	2013.8	2023.1	2032.3	2041.6	2053.9	2063.1
25°	1927.4	1930.5	1939.8	1942.9	1946.0	1958.3	1970.6	1976.8	1992.2	2007.6	2013.8
27.5°	1862.7	1868.9	1875.0	1878.1	1884.3	1899.7	1912.0	1924.4	1936.7	1952.1	1964.5
30°	1797.9	1804.1	1810.3	1813.3	1819.5	1834.9	1847.3	1862.7	1878.1	1893.5	1905.9
32.5°	1723.9	1733.2	1739.3	1745.5	1748.6	1767.1	1782.5	1797.9	1813.3	1831.8	1847.3
35°	1653.0	1662.2	1668.4	1671.5	1677.7	1696.2	1708.5	1723.9	1745.5	1764.0	1779.4
37.5°	1575.9	1582.1	1594.4	1594.4	1600.6	1622.1	1637.6	1653.0	1674.6	1693.1	1711.6
40°	1498.8	1501.9	1514.2	1517.3	1523.5	1545.0	1560.5	1582.1	1597.5	1619.1	1637.6
42.5°	1415.5	1424.8	1437.1	1443.3	1449.4	1461.8	1474.1	1498.8	1514.2	1538.9	1557.4
45°	1332.3	1341.5	1347.7	1350.8	1366.2	1378.5	1390.8	1415.5	1434.0	1455.6	1477.2
47.5°	1249.0	1255.2	1264.4	1276.7	1282.9	1295.2	1304.5	1329.2	1347.7	1372.3	1390.8
50°	1162.6	1171.9	1178.1	1181.1	1193.5	1208.9	1221.2	1242.8	1258.2	1282.9	1304.5
52.5°	1076.3	1088.6	1088.6	1101.0	1107.1	1113.3	1131.8	1153.4	1168.8	1190.4	1212.0
55°	993.0	999.2	1008.4	1011.5	1020.8	1026.9	1039.3	1060.9	1079.4	1101.0	1122.5
57.5°	900.5	906.7	912.8	925.2	931.3	943.7	956.0	971.4	986.9	1008.4	1023.9
60°	811.1	820.3	826.5	835.7	835.7	851.2	866.6	882.0	894.3	915.9	931.3
62.5°	730.9	730.9	730.9	743.2	740.1	752.5	764.8	783.3	795.7	823.4	841.9
65°	644.5	647.6	647.6	656.9	653.8	666.1	675.4	693.9	706.2	721.6	740.1
67.5°	561.3	561.3	564.4	573.6	570.5	579.8	595.2	604.4	613.7	632.2	647.6
70°	474.9	478.0	481.1	490.3	487.3	499.6	508.8	515.0	527.4	539.7	552.0
72.5°	400.9	400.9	410.2	410.2	407.1	416.3	425.6	431.7	437.9	453.3	468.8
75°	330.0	326.9	333.1	333.1	330.0	333.1	339.2	348.5	354.7	367.0	379.3
77.5°	259.0	256.0	262.1	262.1	262.1	259.0	268.3	271.4	274.5	280.6	293.0
80°	191.2	188.1	194.3	194.3	188.1	191.2	197.4	200.5	200.5	206.6	215.9
82.5°	132.6	129.5	132.6	132.6	132.6	132.6	135.7	132.6	135.7	135.7	144.9
85°	80.2	77.1	80.2	77.1	77.1	74.0	80.2	77.1	77.1	80.2	80.2
87.5°	27.8	27.8	30.8	30.8	27.8	30.8	27.8	27.8	27.8	30.8	27.8
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: P572017

CATALOG NUMBER: 22ID-60-L840-SWR

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	2245.1	2245.1	2245.1	2245.1	2245.1	2245.1	2245.1	2245.1	2245.1	2245.1	2245.1
2.5°	2245.1	2245.1	2245.1	2245.1	2245.1	2245.1	2248.2	2248.2	2245.1	2248.2	2245.1
5°	2238.9	2238.9	2242.0	2242.0	2242.0	2242.0	2242.0	2245.1	2245.1	2245.1	2242.0
7.5°	2229.7	2229.7	2229.7	2229.7	2232.8	2235.8	2235.8	2235.8	2238.9	2235.8	2235.8
10°	2214.3	2220.4	2220.4	2223.5	2223.5	2226.6	2229.7	2229.7	2229.7	2229.7	2229.7
12.5°	2198.8	2201.9	2205.0	2208.1	2211.2	2211.2	2217.3	2217.3	2217.3	2217.3	2214.3
15°	2174.2	2180.3	2183.4	2186.5	2192.7	2192.7	2198.8	2195.8	2201.9	2198.8	2195.8
17.5°	2146.4	2152.6	2158.7	2158.7	2168.0	2171.1	2177.2	2180.3	2180.3	2177.2	2171.1
20°	2112.5	2121.7	2124.8	2131.0	2137.2	2143.3	2146.4	2149.5	2152.6	2149.5	2146.4
22.5°	2072.4	2084.7	2087.8	2094.0	2103.2	2109.4	2112.5	2115.6	2118.7	2118.7	2112.5
25°	2029.2	2044.6	2044.6	2053.9	2063.1	2072.4	2078.6	2078.6	2084.7	2078.6	2078.6
27.5°	1976.8	1995.3	2004.5	2007.6	2020.0	2029.2	2035.4	2041.6	2041.6	2035.4	2035.4
30°	1924.4	1942.9	1952.1	1955.2	1970.6	1979.9	1986.0	1992.2	1992.2	1992.2	1986.0
32.5°	1865.8	1887.4	1896.6	1899.7	1918.2	1927.4	1936.7	1942.9	1942.9	1939.8	1930.5
35°	1804.1	1819.5	1834.9	1841.1	1856.5	1865.8	1881.2	1887.4	1884.3	1884.3	1875.0
37.5°	1733.2	1757.8	1767.1	1773.3	1791.8	1804.1	1819.5	1825.7	1825.7	1822.6	1816.4
40°	1659.1	1686.9	1696.2	1705.4	1723.9	1739.3	1748.6	1757.8	1757.8	1757.8	1751.7
42.5°	1585.1	1606.7	1619.1	1628.3	1649.9	1659.1	1674.6	1686.9	1686.9	1683.8	1674.6
45°	1501.9	1526.5	1538.9	1548.1	1569.7	1588.2	1597.5	1609.8	1606.7	1606.7	1594.4
47.5°	1418.6	1443.3	1455.6	1464.9	1486.4	1508.0	1514.2	1526.5	1526.5	1526.5	1514.2
50°	1332.3	1356.9	1366.2	1375.4	1400.1	1412.4	1427.9	1440.2	1440.2	1443.3	1430.9
52.5°	1242.8	1261.3	1276.7	1282.9	1307.6	1323.0	1335.3	1350.8	1350.8	1344.6	1344.6
55°	1147.2	1168.8	1184.2	1190.4	1208.9	1233.6	1242.8	1255.2	1255.2	1255.2	1249.0
57.5°	1051.6	1076.3	1088.6	1094.8	1116.4	1134.9	1147.2	1159.6	1162.6	1162.6	1150.3
60°	952.9	977.6	989.9	996.1	1020.8	1036.2	1048.5	1060.9	1064.0	1067.0	1054.7
62.5°	860.4	882.0	894.3	900.5	919.0	931.3	946.8	962.2	965.3	965.3	959.1
65°	758.6	780.2	789.5	795.7	811.1	832.7	851.2	863.5	866.6	863.5	863.5
67.5°	663.0	681.5	693.9	697.0	712.4	734.0	743.2	755.6	758.6	758.6	755.6
70°	567.4	589.0	598.3	604.4	616.8	635.3	644.5	656.9	660.0	663.0	656.9
72.5°	478.0	493.4	502.7	508.8	524.3	539.7	545.9	558.2	564.4	564.4	558.2
75°	388.6	404.0	410.2	416.3	428.7	444.1	450.3	462.6	468.8	465.7	465.7
77.5°	302.2	314.6	320.7	323.8	333.1	351.6	354.7	367.0	367.0	370.1	370.1
80°	222.0	231.3	237.5	240.5	246.7	259.0	265.2	274.5	280.6	277.6	277.6
82.5°	148.0	154.2	160.4	166.5	166.5	178.9	178.9	188.1	188.1	194.3	191.2
85°	83.3	86.3	89.4	92.5	92.5	101.8	101.8	107.9	114.1	107.9	107.9
87.5°	27.8	30.8	30.8	33.9	30.8	37.0	33.9	40.1	43.2	43.2	40.1
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: P572017

CATALOG NUMBER: 22ID-60-L840-SWR

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	2245.1	2245.1	2245.1	2245.1	2245.1	2245.1	2245.1	2245.1	2245.1	2245.1	2245.1
2.5°	2245.1	2245.1	2245.1	2245.1	2245.1	2245.1	2245.1	2245.1	2245.1	2245.1	2245.1
5°	2242.0	2242.0	2238.9	2242.0	2242.0	2242.0	2242.0	2238.9	2238.9	2238.9	2238.9
7.5°	2235.8	2232.8	2232.8	2232.8	2229.7	2229.7	2229.7	2229.7	2226.6	2226.6	2226.6
10°	2226.6	2223.5	2223.5	2223.5	2220.4	2220.4	2217.3	2214.3	2214.3	2211.2	2208.1
12.5°	2214.3	2211.2	2208.1	2208.1	2205.0	2201.9	2198.8	2195.8	2192.7	2186.5	2186.5
15°	2192.7	2192.7	2189.6	2186.5	2180.3	2180.3	2174.2	2171.1	2164.9	2158.7	2158.7
17.5°	2171.1	2168.0	2164.9	2158.7	2152.6	2149.5	2143.3	2137.2	2131.0	2124.8	2121.7
20°	2143.3	2134.1	2137.2	2127.9	2121.7	2115.6	2106.3	2100.1	2090.9	2084.7	2078.6
22.5°	2106.3	2103.2	2100.1	2090.9	2081.6	2078.6	2063.1	2053.9	2044.6	2035.4	2029.2
25°	2066.2	2063.1	2060.1	2050.8	2038.5	2032.3	2016.9	2007.6	1992.2	1986.0	1979.9
27.5°	2020.0	2020.0	2013.8	2001.5	1992.2	1976.8	1967.5	1949.0	1936.7	1927.4	1921.3
30°	1970.6	1970.6	1964.5	1949.0	1936.7	1921.3	1912.0	1893.5	1878.1	1868.9	1856.5
32.5°	1921.3	1918.2	1912.0	1896.6	1881.2	1865.8	1847.3	1831.8	1813.3	1804.1	1791.8
35°	1862.7	1859.6	1853.4	1834.9	1822.6	1804.1	1782.5	1764.0	1745.5	1736.2	1717.7
37.5°	1801.0	1794.8	1788.7	1767.1	1751.7	1733.2	1717.7	1693.1	1674.6	1662.2	1653.0
40°	1733.2	1730.1	1720.8	1702.3	1680.7	1662.2	1640.6	1622.1	1603.6	1588.2	1575.9
42.5°	1665.3	1653.0	1646.8	1628.3	1612.9	1585.1	1569.7	1545.0	1526.5	1514.2	1495.7
45°	1588.2	1579.0	1569.7	1551.2	1529.6	1508.0	1492.6	1464.9	1446.4	1430.9	1415.5
47.5°	1501.9	1498.8	1489.5	1467.9	1449.4	1427.9	1409.4	1381.6	1363.1	1350.8	1335.3
50°	1415.5	1412.4	1406.3	1384.7	1360.0	1341.5	1326.1	1298.3	1279.8	1261.3	1252.1
52.5°	1335.3	1323.0	1316.8	1298.3	1273.7	1252.1	1239.7	1212.0	1193.5	1175.0	1162.6
55°	1242.8	1233.6	1227.4	1212.0	1190.4	1162.6	1150.3	1125.6	1110.2	1097.9	1079.4
57.5°	1150.3	1138.0	1131.8	1113.3	1097.9	1076.3	1060.9	1036.2	1020.8	1008.4	996.1
60°	1045.4	1045.4	1039.3	1020.8	1005.4	983.8	971.4	946.8	931.3	922.1	906.7
62.5°	959.1	946.8	943.7	922.1	912.8	891.3	882.0	860.4	851.2	835.7	820.3
65°	851.2	851.2	848.1	835.7	823.4	795.7	783.3	764.8	755.6	743.2	730.9
67.5°	755.6	746.3	746.3	734.0	718.6	703.1	693.9	675.4	669.2	653.8	644.5
70°	660.0	650.7	650.7	635.3	626.0	610.6	604.4	589.0	576.7	570.5	561.3
72.5°	564.4	558.2	555.1	542.8	536.6	521.2	518.1	502.7	490.3	487.3	478.0
75°	468.8	462.6	453.3	456.4	444.1	431.7	428.7	419.4	413.2	404.0	394.7
77.5°	373.2	367.0	367.0	360.8	354.7	345.4	342.3	336.1	326.9	320.7	314.6
80°	283.7	277.6	277.6	274.5	265.2	259.0	259.0	249.8	249.8	243.6	240.5
82.5°	194.3	191.2	188.1	191.2	185.0	178.9	182.0	178.9	175.8	169.6	166.5
85°	114.1	111.0	107.9	114.1	107.9	111.0	107.9	104.9	104.9	101.8	98.7
87.5°	43.2	43.2	40.1	43.2	43.2	46.3	43.2	43.2	43.2	43.2	43.2
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: P572017

CATALOG NUMBER: 22ID-60-L840-SWR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	2245.1	2245.1	2245.1	2245.1	2245.1	2245.1	2245.1	2245.1	2245.1	2245.1	2245.1
2.5°	2245.1	2245.1	2245.1	2245.1	2245.1	2245.1	2245.1	2245.1	2245.1	2245.1	2245.1
5°	2238.9	2238.9	2238.9	2238.9	2238.9	2238.9	2238.9	2238.9	2238.9	2235.8	2238.9
7.5°	2226.6	2223.5	2226.6	2223.5	2223.5	2223.5	2223.5	2223.5	2223.5	2223.5	2223.5
10°	2208.1	2208.1	2208.1	2208.1	2208.1	2208.1	2208.1	2208.1	2208.1	2205.0	2205.0
12.5°	2186.5	2186.5	2183.4	2183.4	2183.4	2180.3	2180.3	2183.4	2183.4	2180.3	2183.4
15°	2155.7	2158.7	2152.6	2149.5	2149.5	2149.5	2149.5	2149.5	2149.5	2149.5	2152.6
17.5°	2121.7	2118.7	2115.6	2115.6	2112.5	2109.4	2109.4	2112.5	2112.5	2115.6	2115.6
20°	2078.6	2078.6	2072.4	2069.3	2066.2	2063.1	2063.1	2066.2	2066.2	2066.2	2072.4
22.5°	2029.2	2026.1	2020.0	2016.9	2016.9	2010.7	2013.8	2016.9	2016.9	2016.9	2020.0
25°	1973.7	1970.6	1967.5	1964.5	1958.3	1955.2	1955.2	1961.4	1961.4	1967.5	1970.6
27.5°	1915.1	1912.0	1905.9	1899.7	1896.6	1893.5	1893.5	1899.7	1899.7	1905.9	1908.9
30°	1853.4	1850.4	1841.1	1838.0	1828.8	1825.7	1828.8	1834.9	1838.0	1841.1	1844.2
32.5°	1788.7	1782.5	1773.3	1770.2	1760.9	1764.0	1757.8	1767.1	1770.2	1773.3	1776.3
35°	1717.7	1711.6	1702.3	1693.1	1690.0	1686.9	1686.9	1693.1	1693.1	1702.3	1705.4
37.5°	1640.6	1637.6	1628.3	1622.1	1616.0	1616.0	1609.8	1619.1	1622.1	1628.3	1628.3
40°	1569.7	1566.6	1551.2	1545.0	1538.9	1542.0	1532.7	1542.0	1545.0	1551.2	1554.3
42.5°	1486.4	1483.4	1471.0	1464.9	1458.7	1461.8	1452.5	1461.8	1458.7	1467.9	1471.0
45°	1406.3	1403.2	1393.9	1381.6	1375.4	1378.5	1378.5	1378.5	1375.4	1384.7	1387.8
47.5°	1326.1	1319.9	1310.7	1298.3	1292.2	1295.2	1295.2	1295.2	1292.2	1304.5	1304.5
50°	1242.8	1236.7	1227.4	1215.1	1212.0	1212.0	1212.0	1212.0	1212.0	1218.1	1221.2
52.5°	1156.5	1153.4	1144.1	1131.8	1125.6	1125.6	1125.6	1119.5	1125.6	1128.7	1131.8
55°	1070.1	1067.0	1051.6	1045.4	1039.3	1042.4	1039.3	1036.2	1036.2	1042.4	1045.4
57.5°	983.8	980.7	971.4	968.4	952.9	956.0	952.9	952.9	956.0	956.0	959.1
60°	897.4	894.3	885.1	882.0	869.7	872.7	860.4	866.6	869.7	869.7	869.7
62.5°	804.9	804.9	789.5	783.3	777.1	780.2	771.0	771.0	771.0	777.1	777.1
65°	721.6	718.6	706.2	700.0	693.9	693.9	687.7	687.7	684.6	690.8	690.8
67.5°	635.3	635.3	623.0	616.8	610.6	613.7	604.4	604.4	607.5	607.5	607.5
70°	552.0	552.0	542.8	539.7	530.4	530.4	521.2	524.3	524.3	524.3	524.3
72.5°	471.8	471.8	462.6	459.5	450.3	450.3	441.0	444.1	444.1	441.0	441.0
75°	391.7	394.7	379.3	376.2	370.1	373.2	367.0	363.9	367.0	360.8	360.8
77.5°	311.5	311.5	308.4	305.3	296.1	296.1	293.0	286.8	289.9	283.7	283.7
80°	234.4	237.5	228.2	231.3	222.0	225.1	222.0	215.9	215.9	212.8	209.7
82.5°	163.4	163.4	160.4	163.4	160.4	157.3	154.2	151.1	151.1	144.9	144.9
85°	98.7	101.8	95.6	98.7	98.7	95.6	89.4	89.4	89.4	86.3	86.3
87.5°	40.1	46.3	43.2	43.2	43.2	43.2	40.1	43.2	40.1	37.0	37.0
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: P572017

CATALOG NUMBER: 22ID-60-L840-SWR

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	2245.1	2245.1	2245.1	2245.1	2245.1	2245.1	2245.1	2245.1	2245.1	2245.1	2245.1
2.5°	2242.0	2245.1	2245.1	2245.1	2245.1	2242.0	2242.0	2242.0	2242.0	2242.0	2245.1
5°	2235.8	2238.9	2238.9	2238.9	2238.9	2238.9	2238.9	2238.9	2238.9	2238.9	2238.9
7.5°	2223.5	2223.5	2226.6	2226.6	2226.6	2226.6	2229.7	2226.6	2229.7	2226.6	2229.7
10°	2205.0	2208.1	2211.2	2211.2	2214.3	2211.2	2214.3	2214.3	2217.3	2217.3	2217.3
12.5°	2183.4	2186.5	2186.5	2192.7	2192.7	2192.7	2195.8	2195.8	2198.8	2201.9	2201.9
15°	2152.6	2155.7	2158.7	2158.7	2164.9	2171.1	2171.1	2174.2	2177.2	2180.3	2180.3
17.5°	2115.6	2118.7	2121.7	2127.9	2134.1	2140.2	2143.3	2143.3	2149.5	2152.6	2152.6
20°	2072.4	2078.6	2084.7	2090.9	2094.0	2103.2	2106.3	2109.4	2115.6	2121.7	2121.7
22.5°	2026.1	2029.2	2038.5	2044.6	2050.8	2060.1	2063.1	2072.4	2078.6	2081.6	2084.7
25°	1970.6	1976.8	1986.0	1992.2	1998.4	2010.7	2020.0	2026.1	2035.4	2041.6	2041.6
27.5°	1908.9	1918.2	1927.4	1933.6	1942.9	1958.3	1967.5	1973.7	1986.0	1992.2	1995.3
30°	1847.3	1853.4	1865.8	1875.0	1884.3	1899.7	1912.0	1921.3	1933.6	1939.8	1942.9
32.5°	1779.4	1788.7	1801.0	1810.3	1822.6	1838.0	1850.4	1859.6	1878.1	1881.2	1884.3
35°	1708.5	1717.7	1727.0	1742.4	1754.7	1770.2	1785.6	1797.9	1807.2	1819.5	1822.6
37.5°	1634.5	1643.7	1656.1	1668.4	1680.7	1699.2	1714.7	1723.9	1739.3	1748.6	1754.7
40°	1557.4	1566.6	1582.1	1597.5	1606.7	1625.2	1640.6	1653.0	1674.6	1680.7	1680.7
42.5°	1474.1	1486.4	1495.7	1514.2	1523.5	1545.0	1560.5	1579.0	1591.3	1600.6	1603.6
45°	1393.9	1403.2	1421.7	1434.0	1443.3	1464.9	1480.3	1495.7	1511.1	1517.3	1523.5
47.5°	1307.6	1319.9	1335.3	1341.5	1356.9	1378.5	1393.9	1409.4	1427.9	1434.0	1437.1
50°	1224.3	1233.6	1242.8	1255.2	1267.5	1289.1	1307.6	1323.0	1338.4	1344.6	1347.7
52.5°	1138.0	1147.2	1156.5	1171.9	1178.1	1199.6	1208.9	1224.3	1245.9	1252.1	1255.2
55°	1048.5	1060.9	1073.2	1082.5	1088.6	1107.1	1119.5	1138.0	1150.3	1156.5	1162.6
57.5°	959.1	968.4	980.7	993.0	996.1	1014.6	1030.0	1039.3	1054.7	1060.9	1067.0
60°	872.7	882.0	891.3	894.3	903.6	922.1	937.5	943.7	959.1	965.3	968.4
62.5°	780.2	783.3	795.7	804.9	804.9	829.6	838.8	851.2	863.5	866.6	872.7
65°	693.9	700.0	700.0	706.2	715.5	730.9	737.1	752.5	761.7	764.8	767.9
67.5°	607.5	613.7	619.9	626.0	626.0	641.5	644.5	656.9	666.1	669.2	672.3
70°	524.3	524.3	533.5	539.7	536.6	548.9	555.1	561.3	573.6	576.7	579.8
72.5°	444.1	441.0	447.2	453.3	459.5	462.6	468.8	471.8	481.1	487.3	490.3
75°	363.9	367.0	367.0	370.1	367.0	370.1	379.3	388.6	394.7	397.8	404.0
77.5°	283.7	286.8	286.8	289.9	293.0	293.0	296.1	308.4	314.6	317.6	314.6
80°	209.7	212.8	212.8	215.9	219.0	222.0	222.0	228.2	237.5	240.5	240.5
82.5°	148.0	148.0	148.0	148.0	151.1	151.1	154.2	160.4	166.5	166.5	172.7
85°	89.4	89.4	86.3	89.4	86.3	89.4	92.5	98.7	101.8	101.8	104.9
87.5°	40.1	37.0	40.1	40.1	37.0	37.0	37.0	40.1	40.1	43.2	43.2
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: P572017

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CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	2245.1	2245.1	2245.1	2245.1
2.5°	2245.1	2245.1	2245.1	2245.1
5°	2238.9	2238.9	2238.9	2238.9
7.5°	2229.7	2229.7	2229.7	2229.7
10°	2217.3	2220.4	2220.4	2220.4
12.5°	2201.9	2201.9	2205.0	2205.0
15°	2183.4	2183.4	2183.4	2186.5
17.5°	2155.7	2158.7	2158.7	2158.7
20°	2124.8	2127.9	2127.9	2124.8
22.5°	2084.7	2087.8	2090.9	2090.9
25°	2044.6	2050.8	2053.9	2053.9
27.5°	1998.4	2004.5	2007.6	2007.6
30°	1949.0	1955.2	1955.2	1955.2
32.5°	1890.4	1899.7	1902.8	1902.8
35°	1828.8	1841.1	1844.2	1844.2
37.5°	1764.0	1770.2	1779.4	1779.4
40°	1693.1	1699.2	1708.5	1708.5
42.5°	1616.0	1628.3	1628.3	1634.5
45°	1532.7	1545.0	1548.1	1554.3
47.5°	1449.4	1461.8	1464.9	1467.9
50°	1360.0	1369.3	1378.5	1378.5
52.5°	1270.6	1276.7	1282.9	1289.1
55°	1175.0	1184.2	1187.3	1193.5
57.5°	1076.3	1088.6	1091.7	1097.9
60°	980.7	989.9	996.1	999.2
62.5°	885.1	891.3	894.3	900.5
65°	780.2	789.5	789.5	795.7
67.5°	684.6	690.8	693.9	697.0
70°	582.9	595.2	598.3	604.4
72.5°	493.4	505.8	505.8	511.9
75°	413.2	416.3	416.3	422.5
77.5°	326.9	330.0	333.1	336.1
80°	246.7	249.8	249.8	256.0
82.5°	175.8	175.8	175.8	178.9
85°	107.9	104.9	101.8	104.9
87.5°	43.2	43.2	46.3	40.1
90°	0.0	0.0	0.0	0.0

TEST NUMBER: P572017

CATALOG NUMBER: 22ID-60-L840-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	18.16	19.79	18.53	20.10	20.42	17.05	18.67	17.41	18.99	19.30
	3H	19.91	21.38	20.29	21.71	22.07	18.66	20.13	19.04	20.46	20.82
	4H	20.57	21.96	20.97	22.30	22.68	19.26	20.64	19.65	20.99	21.36
	6H	21.06	22.35	21.47	22.71	23.10	19.69	20.97	20.10	21.34	21.73
	8H	21.22	22.45	21.65	22.84	23.24	19.82	21.05	20.25	21.44	21.84
	12H	21.32	22.50	21.75	22.88	23.31	19.90	21.08	20.33	21.46	21.89
4H	2H	18.65	20.03	19.04	20.38	20.75	17.74	19.13	18.14	19.48	19.85
	3H	20.62	21.78	21.03	22.18	22.58	19.57	20.73	19.98	21.13	21.53
	4H	21.42	22.47	21.85	22.88	23.32	20.28	21.33	20.71	21.74	22.18
	6H	22.05	22.97	22.50	23.41	23.86	20.82	21.74	21.28	22.18	22.63
	8H	22.26	23.12	22.72	23.56	24.03	20.99	21.85	21.45	22.29	22.76
	12H	22.41	23.18	22.89	23.65	24.12	21.11	21.88	21.59	22.36	22.82
8H	4H	21.65	22.51	22.11	22.95	23.42	20.62	21.48	21.08	21.92	22.39
	6H	22.40	23.11	22.89	23.60	24.07	21.28	21.99	21.77	22.48	22.95
	8H	22.68	23.32	23.19	23.83	24.31	21.51	22.15	22.02	22.66	23.14
	12H	22.90	23.47	23.41	23.96	24.52	21.69	22.26	22.20	22.75	23.31
12H	4H	21.67	22.44	22.15	22.92	23.39	20.67	21.44	21.15	21.91	22.38
	6H	22.43	23.07	22.94	23.58	24.06	21.34	21.98	21.85	22.49	22.97
	8H	22.77	23.33	23.27	23.82	24.39	21.63	22.20	22.14	22.69	23.25

END OF REPORT