

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: P572009

Luminaire Tested: 22ID-60-L830-SWR

Issue Date: 10/5/2021

Test Information

Test Method: LM-79-2019
Report Number: P572009
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-L830-SWR
Description: 6000 LUMEN, 2X2 INDEPTH TROFFER WITH 2IN REGRESSED SWEEP LENS AND 3000K, 80 CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5927.0 lumens
Efficiency: N/A
Efficacy: 116.4 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

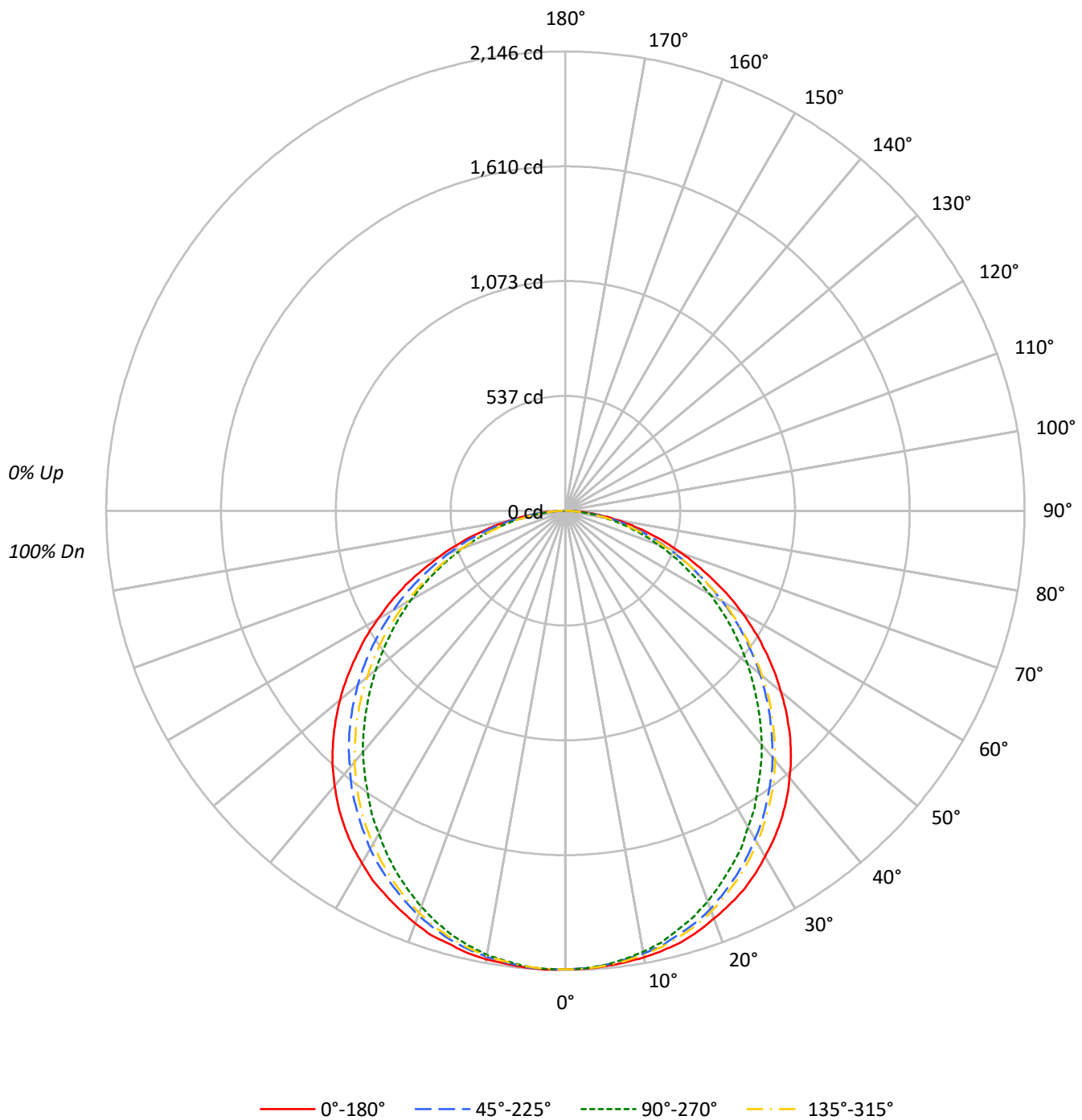
Input Watts (W): 50.9
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	5767	5767	5767	5767
5°	5773	5757	5789	5773
10°	5792	5719	5816	5760
15°	5815	5651	5839	5716
20°	5808	5564	5876	5640
25°	5821	5445	5891	5542
30°	5799	5305	5909	5415
35°	5783	5155	5918	5290
40°	5729	5016	5895	5171
45°	5646	4829	5848	5008
50°	5509	4646	5755	4843
55°	5345	4434	5621	4668
60°	5133	4198	5450	4484
65°	4836	3899	5249	4218
70°	4540	3613	4933	3984
75°	4193	3275	4591	3703
80°	3786	2875	4060	3330
85°	3091	2362	3180	2819

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 180°

Vertical Angle: 45°

Luminance: 5848 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.0	3.4
10°-20°	582.4	9.8
20°-30°	879.2	14.8
30°-40°	1049.7	17.7
40°-50°	1071.1	18.1
50°-60°	944.6	15.9
60°-70°	698.1	11.8
70°-80°	393.6	6.6
80°-90°	105.4	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°	1664.6	28.1
0°-40°	2714.3	45.8
0°-60°	4729.9	79.8
0°-90°	5927.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5927.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2143	2143	2143	2143	2143	
5°	2137	2131	2143	2137	2137	203
15°	2087	2028	2096	2052	2087	589
25°	1961	1834	1984	1866	1961	903
35°	1760	1569	1802	1610	1760	1100
45°	1484	1269	1537	1316	1484	1143
55°	1139	945	1198	995	1139	1018
65°	760	612	824	662	760	754
75°	403	315	442	356	403	428
85°	100	76	103	91	100	117
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°	2143.1	2143.1	2143.1	2143.1	2143.1	2143.1	2143.1	2143.1	2143.1	2143.1	2143.1
2.5°	2143.1	2143.1	2143.1	2143.1	2140.2	2137.2	2137.2	2140.2	2140.2	2137.2	2140.2
5°	2137.2	2137.2	2137.2	2134.3	2131.3	2131.3	2131.3	2131.3	2128.4	2131.3	2131.3
7.5°	2128.4	2128.4	2128.4	2125.5	2122.5	2122.5	2122.5	2119.6	2116.6	2119.6	2116.6
10°	2119.6	2116.6	2116.6	2116.6	2110.7	2107.8	2107.8	2107.8	2104.9	2104.9	2101.9
12.5°	2104.9	2101.9	2101.9	2099.0	2096.0	2093.1	2090.1	2087.2	2084.2	2081.3	2081.3
15°	2087.2	2087.2	2081.3	2078.4	2072.5	2069.5	2066.6	2063.6	2057.8	2054.8	2048.9
17.5°	2060.7	2060.7	2054.8	2051.9	2046.0	2040.1	2040.1	2034.2	2028.3	2022.4	2019.5
20°	2028.3	2031.3	2028.3	2022.4	2013.6	2010.7	2007.7	2001.8	1993.0	1987.1	1981.2
22.5°	1995.9	1998.9	1993.0	1984.2	1978.3	1975.3	1969.4	1960.6	1951.8	1942.9	1934.1
25°	1960.6	1957.7	1951.8	1945.9	1937.1	1934.1	1928.2	1919.4	1904.7	1895.8	1884.1
27.5°	1916.4	1916.4	1907.6	1901.7	1887.0	1887.0	1878.2	1866.4	1854.6	1839.9	1831.1
30°	1866.4	1866.4	1860.5	1851.7	1837.0	1834.0	1825.2	1816.4	1798.7	1784.0	1772.2
32.5°	1816.4	1813.4	1807.5	1798.7	1784.0	1778.1	1769.3	1757.5	1742.8	1722.2	1713.3
35°	1760.4	1757.5	1748.6	1736.9	1725.1	1719.2	1710.4	1695.7	1680.9	1660.3	1645.6
37.5°	1698.6	1695.7	1686.8	1675.1	1660.3	1654.4	1645.6	1630.9	1610.3	1595.6	1577.9
40°	1630.9	1628.0	1622.1	1610.3	1595.6	1589.7	1577.9	1563.2	1539.6	1522.0	1507.3
42.5°	1560.2	1557.3	1548.5	1533.7	1522.0	1516.1	1504.3	1489.6	1469.0	1448.4	1427.8
45°	1483.7	1480.8	1471.9	1454.3	1445.4	1436.6	1424.8	1410.1	1392.4	1374.8	1351.2
47.5°	1401.3	1398.3	1392.4	1377.7	1360.1	1357.1	1345.3	1330.6	1310.0	1286.5	1268.8
50°	1315.9	1315.9	1307.1	1295.3	1283.5	1274.7	1262.9	1248.2	1221.7	1207.0	1186.4
52.5°	1230.5	1227.6	1221.7	1207.0	1198.1	1189.3	1174.6	1165.8	1139.3	1127.5	1103.9
55°	1139.3	1136.3	1124.6	1115.7	1109.8	1101.0	1089.2	1071.6	1056.8	1039.2	1018.6
57.5°	1048.0	1045.1	1036.2	1030.3	1018.6	1009.7	998.0	986.2	965.6	953.8	933.2
60°	953.8	953.8	947.9	939.1	927.3	918.5	909.7	897.9	880.2	862.5	847.8
62.5°	859.6	859.6	850.8	841.9	836.1	827.2	821.3	806.6	791.9	780.1	756.6
65°	759.5	759.5	747.7	744.8	738.9	733.0	724.2	709.5	700.6	680.0	671.2
67.5°	665.3	668.3	659.4	659.4	650.6	644.7	635.9	624.1	615.3	597.6	588.8
70°	577.0	579.9	574.1	571.1	562.3	556.4	550.5	541.7	529.9	524.0	509.3
72.5°	488.7	491.6	485.7	485.7	476.9	474.0	468.1	462.2	450.4	444.5	429.8
75°	403.3	400.4	400.4	403.3	394.5	391.5	388.6	376.8	370.9	365.0	353.3
77.5°	320.9	320.9	323.8	320.9	315.0	312.0	306.2	297.3	294.4	291.4	279.7
80°	244.3	247.3	247.3	244.3	238.5	235.5	232.6	223.7	220.8	220.8	212.0
82.5°	170.7	170.7	167.8	170.7	164.9	161.9	164.9	156.0	153.1	153.1	147.2
85°	100.1	97.1	97.1	100.1	97.1	97.1	97.1	91.3	91.3	91.3	85.4
87.5°	38.3	38.3	41.2	41.2	38.3	38.3	38.3	38.3	35.3	35.3	32.4
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°	2143.1	2143.1	2143.1	2143.1	2143.1	2143.1	2143.1	2143.1	2143.1	2143.1	2143.1
2.5°	2137.2	2137.2	2137.2	2137.2	2140.2	2137.2	2140.2	2140.2	2143.1	2140.2	2143.1
5°	2131.3	2131.3	2128.4	2128.4	2128.4	2128.4	2128.4	2128.4	2128.4	2131.3	2131.3
7.5°	2116.6	2116.6	2113.7	2113.7	2113.7	2113.7	2110.7	2110.7	2113.7	2113.7	2113.7
10°	2099.0	2096.0	2093.1	2093.1	2093.1	2093.1	2090.1	2093.1	2093.1	2093.1	2093.1
12.5°	2072.5	2072.5	2069.5	2066.6	2066.6	2066.6	2063.6	2066.6	2066.6	2066.6	2066.6
15°	2046.0	2043.0	2040.1	2034.2	2034.2	2031.3	2028.3	2031.3	2028.3	2028.3	2031.3
17.5°	2007.7	2007.7	2001.8	1998.9	1995.9	1993.0	1990.0	1990.0	1990.0	1990.0	1995.9
20°	1969.4	1966.5	1960.6	1948.8	1951.8	1948.8	1942.9	1945.9	1945.9	1942.9	1942.9
22.5°	1928.2	1916.4	1910.6	1898.8	1901.7	1895.8	1892.9	1895.8	1892.9	1890.0	1895.8
25°	1872.3	1866.4	1851.7	1851.7	1845.8	1842.9	1842.9	1839.9	1837.0	1834.0	1839.9
27.5°	1822.2	1810.5	1801.6	1789.9	1784.0	1784.0	1781.0	1778.1	1772.2	1778.1	1778.1
30°	1760.4	1748.6	1733.9	1728.0	1722.2	1722.2	1716.3	1713.3	1707.4	1707.4	1716.3
32.5°	1701.5	1683.9	1669.2	1660.3	1657.4	1654.4	1651.5	1639.7	1642.7	1645.6	1648.6
35°	1630.9	1616.2	1604.4	1595.6	1586.7	1583.8	1580.8	1572.0	1572.0	1569.1	1577.9
37.5°	1563.2	1545.5	1536.7	1522.0	1516.1	1510.2	1507.3	1501.4	1498.4	1501.4	1504.3
40°	1489.6	1474.9	1460.2	1445.4	1439.5	1436.6	1427.8	1427.8	1421.9	1427.8	1427.8
42.5°	1413.0	1398.3	1380.7	1368.9	1363.0	1357.1	1351.2	1348.3	1348.3	1348.3	1351.2
45°	1336.5	1318.8	1301.2	1289.4	1283.5	1280.6	1271.7	1268.8	1262.9	1268.8	1271.7
47.5°	1254.1	1239.4	1221.7	1212.9	1204.0	1201.1	1192.3	1186.4	1183.4	1189.3	1189.3
50°	1171.7	1156.9	1142.2	1130.4	1121.6	1118.7	1109.8	1109.8	1103.9	1109.8	1109.8
52.5°	1089.2	1074.5	1059.8	1045.1	1039.2	1036.2	1027.4	1027.4	1027.4	1027.4	1027.4
55°	1006.8	986.2	977.4	962.6	956.8	953.8	950.9	942.0	945.0	945.0	945.0
57.5°	921.4	906.7	889.0	883.2	874.3	871.4	871.4	859.6	856.7	862.5	862.5
60°	836.1	824.3	806.6	797.8	791.9	791.9	783.1	771.3	768.3	780.1	780.1
62.5°	747.7	730.1	721.2	712.4	706.5	703.6	700.6	691.8	694.7	691.8	691.8
65°	665.3	647.6	641.8	632.9	627.0	624.1	621.2	615.3	609.4	612.3	612.3
67.5°	582.9	568.2	559.3	553.4	547.6	547.6	541.7	535.8	538.7	535.8	535.8
70°	503.4	491.6	479.8	476.9	471.0	471.0	468.1	465.1	462.2	459.2	459.2
72.5°	426.9	415.1	406.3	400.4	397.4	397.4	394.5	385.6	388.6	385.6	385.6
75°	347.4	338.5	335.6	329.7	326.8	326.8	323.8	317.9	320.9	315.0	309.1
77.5°	276.7	267.9	264.9	262.0	264.9	262.0	253.2	256.1	253.2	247.3	247.3
80°	212.0	203.1	203.1	197.2	194.3	194.3	191.4	191.4	188.4	185.5	185.5
82.5°	144.2	141.3	138.4	135.4	132.5	138.4	132.5	129.5	129.5	129.5	126.6
85°	82.4	82.4	79.5	79.5	76.5	79.5	76.5	73.6	76.5	76.5	70.7
87.5°	32.4	35.3	29.4	29.4	29.4	29.4	26.5	29.4	29.4	29.4	26.5
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):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	2143.1	2143.1	2143.1	2143.1	2143.1	2143.1	2143.1	2143.1	2143.1	2143.1	2143.1
2.5°	2143.1	2140.2	2140.2	2140.2	2140.2	2137.2	2140.2	2140.2	2143.1	2140.2	2140.2
5°	2131.3	2128.4	2131.3	2128.4	2128.4	2131.3	2131.3	2134.3	2134.3	2137.2	2137.2
7.5°	2113.7	2113.7	2113.7	2113.7	2113.7	2116.6	2116.6	2119.6	2122.5	2122.5	2125.5
10°	2093.1	2093.1	2096.0	2093.1	2096.0	2099.0	2101.9	2104.9	2107.8	2110.7	2110.7
12.5°	2066.6	2066.6	2066.6	2072.5	2072.5	2075.4	2078.4	2084.2	2087.2	2093.1	2093.1
15°	2031.3	2031.3	2037.1	2037.1	2040.1	2046.0	2051.9	2054.8	2060.7	2066.6	2069.5
17.5°	1993.0	1993.0	1998.9	1998.9	2001.8	2010.7	2016.5	2019.5	2031.3	2037.1	2043.0
20°	1948.8	1948.8	1957.7	1954.7	1960.6	1969.4	1975.3	1984.2	1993.0	2001.8	2007.7
22.5°	1895.8	1898.8	1907.6	1907.6	1910.6	1922.3	1931.2	1940.0	1948.8	1960.6	1969.4
25°	1839.9	1842.9	1851.7	1854.6	1857.6	1869.3	1881.1	1887.0	1901.7	1916.4	1922.3
27.5°	1778.1	1784.0	1789.9	1792.8	1798.7	1813.4	1825.2	1837.0	1848.7	1863.5	1875.2
30°	1716.3	1722.2	1728.0	1731.0	1736.9	1751.6	1763.4	1778.1	1792.8	1807.5	1819.3
32.5°	1645.6	1654.4	1660.3	1666.2	1669.2	1686.8	1701.5	1716.3	1731.0	1748.6	1763.4
35°	1577.9	1586.7	1592.6	1595.6	1601.5	1619.1	1630.9	1645.6	1666.2	1683.9	1698.6
37.5°	1504.3	1510.2	1522.0	1522.0	1527.9	1548.5	1563.2	1577.9	1598.5	1616.2	1633.8
40°	1430.7	1433.7	1445.4	1448.4	1454.3	1474.9	1489.6	1510.2	1524.9	1545.5	1563.2
42.5°	1351.2	1360.1	1371.8	1377.7	1383.6	1395.4	1407.2	1430.7	1445.4	1469.0	1486.6
45°	1271.7	1280.6	1286.5	1289.4	1304.1	1315.9	1327.7	1351.2	1368.9	1389.5	1410.1
47.5°	1192.3	1198.1	1207.0	1218.8	1224.6	1236.4	1245.2	1268.8	1286.5	1310.0	1327.7
50°	1109.8	1118.7	1124.6	1127.5	1139.3	1154.0	1165.8	1186.4	1201.1	1224.6	1245.2
52.5°	1027.4	1039.2	1039.2	1051.0	1056.8	1062.7	1080.4	1101.0	1115.7	1136.3	1156.9
55°	947.9	953.8	962.6	965.6	974.4	980.3	992.1	1012.7	1030.3	1051.0	1071.6
57.5°	859.6	865.5	871.4	883.2	889.0	900.8	912.6	927.3	942.0	962.6	977.4
60°	774.2	783.1	789.0	797.8	797.8	812.5	827.2	841.9	853.7	874.3	889.0
62.5°	697.7	697.7	697.7	709.5	706.5	718.3	730.1	747.7	759.5	786.0	803.7
65°	615.3	618.2	618.2	627.0	624.1	635.9	644.7	662.4	674.1	688.9	706.5
67.5°	535.8	535.8	538.7	547.6	544.6	553.4	568.2	577.0	585.8	603.5	618.2
70°	453.4	456.3	459.2	468.1	465.1	476.9	485.7	491.6	503.4	515.2	526.9
72.5°	382.7	382.7	391.5	391.5	388.6	397.4	406.3	412.1	418.0	432.7	447.5
75°	315.0	312.0	317.9	317.9	315.0	317.9	323.8	332.7	338.5	350.3	362.1
77.5°	247.3	244.3	250.2	250.2	250.2	247.3	256.1	259.1	262.0	267.9	279.7
80°	182.5	179.6	185.5	185.5	179.6	182.5	188.4	191.4	191.4	197.2	206.1
82.5°	126.6	123.6	126.6	126.6	126.6	126.6	129.5	126.6	129.5	129.5	138.4
85°	76.5	73.6	76.5	73.6	73.6	70.7	76.5	73.6	73.6	76.5	76.5
87.5°	26.5	26.5	29.4	29.4	26.5	29.4	26.5	26.5	26.5	29.4	26.5
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: P572009

CATALOG NUMBER: 22ID-60-L830-SWR

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	2143.1	2143.1	2143.1	2143.1	2143.1	2143.1	2143.1	2143.1	2143.1	2143.1	2143.1
2.5°	2143.1	2143.1	2143.1	2143.1	2143.1	2143.1	2146.1	2146.1	2143.1	2146.1	2143.1
5°	2137.2	2137.2	2140.2	2140.2	2140.2	2140.2	2140.2	2143.1	2143.1	2143.1	2140.2
7.5°	2128.4	2128.4	2128.4	2128.4	2131.3	2134.3	2134.3	2134.3	2137.2	2134.3	2134.3
10°	2113.7	2119.6	2119.6	2122.5	2122.5	2125.5	2128.4	2128.4	2128.4	2128.4	2128.4
12.5°	2099.0	2101.9	2104.9	2107.8	2110.7	2110.7	2116.6	2116.6	2116.6	2116.6	2113.7
15°	2075.4	2081.3	2084.2	2087.2	2093.1	2093.1	2099.0	2096.0	2101.9	2099.0	2096.0
17.5°	2048.9	2054.8	2060.7	2060.7	2069.5	2072.5	2078.4	2081.3	2081.3	2078.4	2072.5
20°	2016.5	2025.4	2028.3	2034.2	2040.1	2046.0	2048.9	2051.9	2054.8	2051.9	2048.9
22.5°	1978.3	1990.0	1993.0	1998.9	2007.7	2013.6	2016.5	2019.5	2022.4	2022.4	2016.5
25°	1937.1	1951.8	1951.8	1960.6	1969.4	1978.3	1984.2	1984.2	1990.0	1984.2	1984.2
27.5°	1887.0	1904.7	1913.5	1916.4	1928.2	1937.1	1942.9	1948.8	1948.8	1942.9	1942.9
30°	1837.0	1854.6	1863.5	1866.4	1881.1	1890.0	1895.8	1901.7	1901.7	1901.7	1895.8
32.5°	1781.0	1801.6	1810.5	1813.4	1831.1	1839.9	1848.7	1854.6	1854.6	1851.7	1842.9
35°	1722.2	1736.9	1751.6	1757.5	1772.2	1781.0	1795.8	1801.6	1798.7	1798.7	1789.9
37.5°	1654.4	1678.0	1686.8	1692.7	1710.4	1722.2	1736.9	1742.8	1742.8	1739.8	1733.9
40°	1583.8	1610.3	1619.1	1628.0	1645.6	1660.3	1669.2	1678.0	1678.0	1678.0	1672.1
42.5°	1513.1	1533.7	1545.5	1554.4	1575.0	1583.8	1598.5	1610.3	1610.3	1607.3	1598.5
45°	1433.7	1457.2	1469.0	1477.8	1498.4	1516.1	1524.9	1536.7	1533.7	1533.7	1522.0
47.5°	1354.2	1377.7	1389.5	1398.3	1418.9	1439.5	1445.4	1457.2	1457.2	1457.2	1445.4
50°	1271.7	1295.3	1304.1	1313.0	1336.5	1348.3	1363.0	1374.8	1374.8	1377.7	1365.9
52.5°	1186.4	1204.0	1218.8	1224.6	1248.2	1262.9	1274.7	1289.4	1289.4	1283.5	1283.5
55°	1095.1	1115.7	1130.4	1136.3	1154.0	1177.5	1186.4	1198.1	1198.1	1198.1	1192.3
57.5°	1003.9	1027.4	1039.2	1045.1	1065.7	1083.3	1095.1	1106.9	1109.8	1109.8	1098.1
60°	909.7	933.2	945.0	950.9	974.4	989.1	1000.9	1012.7	1015.6	1018.6	1006.8
62.5°	821.3	841.9	853.7	859.6	877.3	889.0	903.8	918.5	921.4	921.4	915.5
65°	724.2	744.8	753.6	759.5	774.2	794.8	812.5	824.3	827.2	824.3	824.3
67.5°	632.9	650.6	662.4	665.3	680.0	700.6	709.5	721.2	724.2	724.2	721.2
70°	541.7	562.3	571.1	577.0	588.8	606.4	615.3	627.0	630.0	632.9	627.0
72.5°	456.3	471.0	479.8	485.7	500.5	515.2	521.1	532.8	538.7	538.7	532.8
75°	370.9	385.6	391.5	397.4	409.2	423.9	429.8	441.6	447.5	444.5	444.5
77.5°	288.5	300.3	306.2	309.1	317.9	335.6	338.5	350.3	350.3	353.3	353.3
80°	212.0	220.8	226.7	229.6	235.5	247.3	253.2	262.0	267.9	264.9	264.9
82.5°	141.3	147.2	153.1	159.0	159.0	170.7	170.7	179.6	179.6	185.5	182.5
85°	79.5	82.4	85.4	88.3	88.3	97.1	97.1	103.0	108.9	103.0	103.0
87.5°	26.5	29.4	29.4	32.4	29.4	35.3	32.4	38.3	41.2	41.2	38.3
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: P572009

CATALOG NUMBER: 22ID-60-L830-SWR

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	2143.1	2143.1	2143.1	2143.1	2143.1	2143.1	2143.1	2143.1	2143.1	2143.1	2143.1
2.5°	2143.1	2143.1	2143.1	2143.1	2143.1	2143.1	2143.1	2143.1	2143.1	2143.1	2143.1
5°	2140.2	2140.2	2137.2	2140.2	2140.2	2140.2	2140.2	2137.2	2137.2	2137.2	2137.2
7.5°	2134.3	2131.3	2131.3	2131.3	2128.4	2128.4	2128.4	2128.4	2125.5	2125.5	2125.5
10°	2125.5	2122.5	2122.5	2122.5	2119.6	2119.6	2116.6	2113.7	2113.7	2110.7	2107.8
12.5°	2113.7	2110.7	2107.8	2107.8	2104.9	2101.9	2099.0	2096.0	2093.1	2087.2	2087.2
15°	2093.1	2093.1	2090.1	2087.2	2081.3	2081.3	2075.4	2072.5	2066.6	2060.7	2060.7
17.5°	2072.5	2069.5	2066.6	2060.7	2054.8	2051.9	2046.0	2040.1	2034.2	2028.3	2025.4
20°	2046.0	2037.1	2040.1	2031.3	2025.4	2019.5	2010.7	2004.8	1995.9	1990.0	1984.2
22.5°	2010.7	2007.7	2004.8	1995.9	1987.1	1984.2	1969.4	1960.6	1951.8	1942.9	1937.1
25°	1972.4	1969.4	1966.5	1957.7	1945.9	1940.0	1925.3	1916.4	1901.7	1895.8	1890.0
27.5°	1928.2	1928.2	1922.3	1910.6	1901.7	1887.0	1878.2	1860.5	1848.7	1839.9	1834.0
30°	1881.1	1881.1	1875.2	1860.5	1848.7	1834.0	1825.2	1807.5	1792.8	1784.0	1772.2
32.5°	1834.0	1831.1	1825.2	1810.5	1795.8	1781.0	1763.4	1748.6	1731.0	1722.2	1710.4
35°	1778.1	1775.1	1769.3	1751.6	1739.8	1722.2	1701.5	1683.9	1666.2	1657.4	1639.7
37.5°	1719.2	1713.3	1707.4	1686.8	1672.1	1654.4	1639.7	1616.2	1598.5	1586.7	1577.9
40°	1654.4	1651.5	1642.7	1625.0	1604.4	1586.7	1566.1	1548.5	1530.8	1516.1	1504.3
42.5°	1589.7	1577.9	1572.0	1554.4	1539.6	1513.1	1498.4	1474.9	1457.2	1445.4	1427.8
45°	1516.1	1507.3	1498.4	1480.8	1460.2	1439.5	1424.8	1398.3	1380.7	1365.9	1351.2
47.5°	1433.7	1430.7	1421.9	1401.3	1383.6	1363.0	1345.3	1318.8	1301.2	1289.4	1274.7
50°	1351.2	1348.3	1342.4	1321.8	1298.2	1280.6	1265.9	1239.4	1221.7	1204.0	1195.2
52.5°	1274.7	1262.9	1257.0	1239.4	1215.8	1195.2	1183.4	1156.9	1139.3	1121.6	1109.8
55°	1186.4	1177.5	1171.7	1156.9	1136.3	1109.8	1098.1	1074.5	1059.8	1048.0	1030.3
57.5°	1098.1	1086.3	1080.4	1062.7	1048.0	1027.4	1012.7	989.1	974.4	962.6	950.9
60°	998.0	998.0	992.1	974.4	959.7	939.1	927.3	903.8	889.0	880.2	865.5
62.5°	915.5	903.8	900.8	880.2	871.4	850.8	841.9	821.3	812.5	797.8	783.1
65°	812.5	812.5	809.6	797.8	786.0	759.5	747.7	730.1	721.2	709.5	697.7
67.5°	721.2	712.4	712.4	700.6	685.9	671.2	662.4	644.7	638.8	624.1	615.3
70°	630.0	621.2	621.2	606.4	597.6	582.9	577.0	562.3	550.5	544.6	535.8
72.5°	538.7	532.8	529.9	518.1	512.2	497.5	494.6	479.8	468.1	465.1	456.3
75°	447.5	441.6	432.7	435.7	423.9	412.1	409.2	400.4	394.5	385.6	376.8
77.5°	356.2	350.3	350.3	344.4	338.5	329.7	326.8	320.9	312.0	306.2	300.3
80°	270.8	264.9	264.9	262.0	253.2	247.3	247.3	238.5	238.5	232.6	229.6
82.5°	185.5	182.5	179.6	182.5	176.6	170.7	173.7	170.7	167.8	161.9	159.0
85°	108.9	106.0	103.0	108.9	103.0	106.0	103.0	100.1	100.1	97.1	94.2
87.5°	41.2	41.2	38.3	41.2	41.2	44.2	41.2	41.2	41.2	41.2	41.2
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: P572009

CATALOG NUMBER: 22ID-60-L830-SWR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	2143.1	2143.1	2143.1	2143.1	2143.1	2143.1	2143.1	2143.1	2143.1	2143.1	2143.1
2.5°	2143.1	2143.1	2143.1	2143.1	2143.1	2143.1	2143.1	2143.1	2143.1	2143.1	2143.1
5°	2137.2	2137.2	2137.2	2137.2	2137.2	2137.2	2137.2	2137.2	2137.2	2134.3	2137.2
7.5°	2125.5	2122.5	2125.5	2122.5	2122.5	2122.5	2122.5	2122.5	2122.5	2122.5	2122.5
10°	2107.8	2107.8	2107.8	2107.8	2107.8	2107.8	2107.8	2107.8	2107.8	2104.9	2104.9
12.5°	2087.2	2087.2	2084.2	2084.2	2084.2	2081.3	2081.3	2084.2	2084.2	2081.3	2084.2
15°	2057.8	2060.7	2054.8	2051.9	2051.9	2051.9	2051.9	2051.9	2051.9	2051.9	2054.8
17.5°	2025.4	2022.4	2019.5	2019.5	2016.5	2013.6	2013.6	2016.5	2016.5	2019.5	2019.5
20°	1984.2	1984.2	1978.3	1975.3	1972.4	1969.4	1969.4	1972.4	1972.4	1972.4	1978.3
22.5°	1937.1	1934.1	1928.2	1925.3	1925.3	1919.4	1922.3	1925.3	1925.3	1925.3	1928.2
25°	1884.1	1881.1	1878.2	1875.2	1869.3	1866.4	1866.4	1872.3	1872.3	1878.2	1881.1
27.5°	1828.1	1825.2	1819.3	1813.4	1810.5	1807.5	1807.5	1813.4	1813.4	1819.3	1822.2
30°	1769.3	1766.3	1757.5	1754.5	1745.7	1742.8	1745.7	1751.6	1754.5	1757.5	1760.4
32.5°	1707.4	1701.5	1692.7	1689.8	1680.9	1683.9	1678.0	1686.8	1689.8	1692.7	1695.7
35°	1639.7	1633.8	1625.0	1616.2	1613.2	1610.3	1610.3	1616.2	1616.2	1625.0	1628.0
37.5°	1566.1	1563.2	1554.4	1548.5	1542.6	1542.6	1536.7	1545.5	1548.5	1554.4	1554.4
40°	1498.4	1495.5	1480.8	1474.9	1469.0	1471.9	1463.1	1471.9	1474.9	1480.8	1483.7
42.5°	1418.9	1416.0	1404.2	1398.3	1392.4	1395.4	1386.6	1395.4	1392.4	1401.3	1404.2
45°	1342.4	1339.5	1330.6	1318.8	1313.0	1315.9	1315.9	1315.9	1313.0	1321.8	1324.7
47.5°	1265.9	1260.0	1251.1	1239.4	1233.5	1236.4	1236.4	1236.4	1233.5	1245.2	1245.2
50°	1186.4	1180.5	1171.7	1159.9	1156.9	1156.9	1156.9	1156.9	1156.9	1162.8	1165.8
52.5°	1103.9	1101.0	1092.2	1080.4	1074.5	1074.5	1074.5	1068.6	1074.5	1077.5	1080.4
55°	1021.5	1018.6	1003.9	998.0	992.1	995.0	992.1	989.1	989.1	995.0	998.0
57.5°	939.1	936.1	927.3	924.4	909.7	912.6	909.7	909.7	912.6	912.6	915.5
60°	856.7	853.7	844.9	841.9	830.2	833.1	821.3	827.2	830.2	830.2	830.2
62.5°	768.3	768.3	753.6	747.7	741.9	744.8	736.0	736.0	736.0	741.9	741.9
65°	688.9	685.9	674.1	668.3	662.4	662.4	656.5	656.5	653.5	659.4	659.4
67.5°	606.4	606.4	594.7	588.8	582.9	585.8	577.0	577.0	579.9	579.9	579.9
70°	526.9	526.9	518.1	515.2	506.3	506.3	497.5	500.5	500.5	500.5	500.5
72.5°	450.4	450.4	441.6	438.6	429.8	429.8	421.0	423.9	423.9	421.0	421.0
75°	373.9	376.8	362.1	359.2	353.3	356.2	350.3	347.4	350.3	344.4	344.4
77.5°	297.3	297.3	294.4	291.4	282.6	282.6	279.7	273.8	276.7	270.8	270.8
80°	223.7	226.7	217.8	220.8	212.0	214.9	212.0	206.1	206.1	203.1	200.2
82.5°	156.0	156.0	153.1	156.0	153.1	150.1	147.2	144.2	144.2	138.4	138.4
85°	94.2	97.1	91.3	94.2	94.2	91.3	85.4	85.4	85.4	82.4	82.4
87.5°	38.3	44.2	41.2	41.2	41.2	41.2	38.3	41.2	38.3	35.3	35.3
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: P572009

CATALOG NUMBER: 22ID-60-L830-SWR

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	2143.1	2143.1	2143.1	2143.1	2143.1	2143.1	2143.1	2143.1	2143.1	2143.1	2143.1
2.5°	2140.2	2143.1	2143.1	2143.1	2143.1	2140.2	2140.2	2140.2	2140.2	2140.2	2143.1
5°	2134.3	2137.2	2137.2	2137.2	2137.2	2137.2	2137.2	2137.2	2137.2	2137.2	2137.2
7.5°	2122.5	2122.5	2125.5	2125.5	2125.5	2125.5	2128.4	2125.5	2128.4	2125.5	2128.4
10°	2104.9	2107.8	2110.7	2110.7	2113.7	2110.7	2113.7	2113.7	2116.6	2116.6	2116.6
12.5°	2084.2	2087.2	2087.2	2093.1	2093.1	2093.1	2096.0	2096.0	2099.0	2101.9	2101.9
15°	2054.8	2057.8	2060.7	2060.7	2066.6	2072.5	2072.5	2075.4	2078.4	2081.3	2081.3
17.5°	2019.5	2022.4	2025.4	2031.3	2037.1	2043.0	2046.0	2046.0	2051.9	2054.8	2054.8
20°	1978.3	1984.2	1990.0	1995.9	1998.9	2007.7	2010.7	2013.6	2019.5	2025.4	2025.4
22.5°	1934.1	1937.1	1945.9	1951.8	1957.7	1966.5	1969.4	1978.3	1984.2	1987.1	1990.0
25°	1881.1	1887.0	1895.8	1901.7	1907.6	1919.4	1928.2	1934.1	1942.9	1948.8	1948.8
27.5°	1822.2	1831.1	1839.9	1845.8	1854.6	1869.3	1878.2	1884.1	1895.8	1901.7	1904.7
30°	1763.4	1769.3	1781.0	1789.9	1798.7	1813.4	1825.2	1834.0	1845.8	1851.7	1854.6
32.5°	1698.6	1707.4	1719.2	1728.0	1739.8	1754.5	1766.3	1775.1	1792.8	1795.8	1798.7
35°	1630.9	1639.7	1648.6	1663.3	1675.1	1689.8	1704.5	1716.3	1725.1	1736.9	1739.8
37.5°	1560.2	1569.1	1580.8	1592.6	1604.4	1622.1	1636.8	1645.6	1660.3	1669.2	1675.1
40°	1486.6	1495.5	1510.2	1524.9	1533.7	1551.4	1566.1	1577.9	1598.5	1604.4	1604.4
42.5°	1407.2	1418.9	1427.8	1445.4	1454.3	1474.9	1489.6	1507.3	1519.0	1527.9	1530.8
45°	1330.6	1339.5	1357.1	1368.9	1377.7	1398.3	1413.0	1427.8	1442.5	1448.4	1454.3
47.5°	1248.2	1260.0	1274.7	1280.6	1295.3	1315.9	1330.6	1345.3	1363.0	1368.9	1371.8
50°	1168.7	1177.5	1186.4	1198.1	1209.9	1230.5	1248.2	1262.9	1277.6	1283.5	1286.5
52.5°	1086.3	1095.1	1103.9	1118.7	1124.6	1145.2	1154.0	1168.7	1189.3	1195.2	1198.1
55°	1000.9	1012.7	1024.5	1033.3	1039.2	1056.8	1068.6	1086.3	1098.1	1103.9	1109.8
57.5°	915.5	924.4	936.1	947.9	950.9	968.5	983.2	992.1	1006.8	1012.7	1018.6
60°	833.1	841.9	850.8	853.7	862.5	880.2	894.9	900.8	915.5	921.4	924.4
62.5°	744.8	747.7	759.5	768.3	768.3	791.9	800.7	812.5	824.3	827.2	833.1
65°	662.4	668.3	668.3	674.1	683.0	697.7	703.6	718.3	727.1	730.1	733.0
67.5°	579.9	585.8	591.7	597.6	597.6	612.3	615.3	627.0	635.9	638.8	641.8
70°	500.5	500.5	509.3	515.2	512.2	524.0	529.9	535.8	547.6	550.5	553.4
72.5°	423.9	421.0	426.9	432.7	438.6	441.6	447.5	450.4	459.2	465.1	468.1
75°	347.4	350.3	350.3	353.3	350.3	353.3	362.1	370.9	376.8	379.8	385.6
77.5°	270.8	273.8	273.8	276.7	279.7	279.7	282.6	294.4	300.3	303.2	300.3
80°	200.2	203.1	203.1	206.1	209.0	212.0	212.0	217.8	226.7	229.6	229.6
82.5°	141.3	141.3	141.3	141.3	144.2	144.2	147.2	153.1	159.0	159.0	164.9
85°	85.4	85.4	82.4	85.4	82.4	85.4	88.3	94.2	97.1	97.1	100.1
87.5°	38.3	35.3	38.3	38.3	35.3	35.3	35.3	38.3	38.3	41.2	41.2
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°	2143.1	2143.1	2143.1	2143.1
2.5°	2143.1	2143.1	2143.1	2143.1
5°	2137.2	2137.2	2137.2	2137.2
7.5°	2128.4	2128.4	2128.4	2128.4
10°	2116.6	2119.6	2119.6	2119.6
12.5°	2101.9	2101.9	2104.9	2104.9
15°	2084.2	2084.2	2084.2	2087.2
17.5°	2057.8	2060.7	2060.7	2060.7
20°	2028.3	2031.3	2031.3	2028.3
22.5°	1990.0	1993.0	1995.9	1995.9
25°	1951.8	1957.7	1960.6	1960.6
27.5°	1907.6	1913.5	1916.4	1916.4
30°	1860.5	1866.4	1866.4	1866.4
32.5°	1804.6	1813.4	1816.4	1816.4
35°	1745.7	1757.5	1760.4	1760.4
37.5°	1683.9	1689.8	1698.6	1698.6
40°	1616.2	1622.1	1630.9	1630.9
42.5°	1542.6	1554.4	1554.4	1560.2
45°	1463.1	1474.9	1477.8	1483.7
47.5°	1383.6	1395.4	1398.3	1401.3
50°	1298.2	1307.1	1315.9	1315.9
52.5°	1212.9	1218.8	1224.6	1230.5
55°	1121.6	1130.4	1133.4	1139.3
57.5°	1027.4	1039.2	1042.1	1048.0
60°	936.1	945.0	950.9	953.8
62.5°	844.9	850.8	853.7	859.6
65°	744.8	753.6	753.6	759.5
67.5°	653.5	659.4	662.4	665.3
70°	556.4	568.2	571.1	577.0
72.5°	471.0	482.8	482.8	488.7
75°	394.5	397.4	397.4	403.3
77.5°	312.0	315.0	317.9	320.9
80°	235.5	238.5	238.5	244.3
82.5°	167.8	167.8	167.8	170.7
85°	103.0	100.1	97.1	100.1
87.5°	41.2	41.2	44.2	38.3
90°	0.0	0.0	0.0	0.0

TEST NUMBER: P572009

CATALOG NUMBER: 22ID-60-L830-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	18.00	19.63	18.37	19.94	20.26	16.88	18.51	17.25	18.83	19.14
	3H	19.75	21.22	20.13	21.55	21.91	18.50	19.97	18.88	20.30	20.66
	4H	20.41	21.80	20.81	22.14	22.52	19.09	20.48	19.49	20.83	21.20
	6H	20.90	22.19	21.31	22.55	22.94	19.53	20.81	19.94	21.18	21.57
	8H	21.06	22.29	21.49	22.68	23.07	19.66	20.89	20.09	21.28	21.67
	12H	21.16	22.33	21.59	22.72	23.14	19.74	20.92	20.17	21.30	21.73
4H	2H	18.48	19.87	18.88	20.22	20.59	17.58	18.97	17.98	19.32	19.69
	3H	20.46	21.62	20.87	22.02	22.42	19.41	20.57	19.82	20.97	21.37
	4H	21.26	22.31	21.69	22.72	23.15	20.12	21.16	20.55	21.58	22.01
	6H	21.89	22.80	22.34	23.25	23.70	20.66	21.58	21.11	22.02	22.47
	8H	22.10	22.96	22.56	23.40	23.87	20.83	21.69	21.29	22.13	22.60
	12H	22.25	23.02	22.73	23.49	23.96	20.95	21.72	21.43	22.19	22.66
8H	4H	21.49	22.35	21.95	22.79	23.26	20.46	21.32	20.92	21.76	22.23
	6H	22.23	22.95	22.73	23.44	23.91	21.12	21.83	21.61	22.32	22.79
	8H	22.52	23.16	23.03	23.67	24.15	21.35	21.99	21.86	22.50	22.98
	12H	22.74	23.31	23.25	23.80	24.36	21.53	22.09	22.03	22.58	23.15
12H	4H	21.51	22.28	21.99	22.76	23.23	20.51	21.28	20.99	21.75	22.22
	6H	22.27	22.91	22.78	23.42	23.90	21.18	21.82	21.69	22.33	22.81
	8H	22.61	23.17	23.11	23.66	24.22	21.47	22.04	21.98	22.53	23.09

END OF REPORT