

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
(formerly Eaton)

Brand: STREETWORKS

Report Number: P723680

Luminaire Tested: **IFLD-M-SA4D-730-U-11-VI**

Issue Date: 01/11/2023

Test Information

Test Method: LM-79-2019
Report Number: P723680
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/11/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4D-730-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (64) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	1H x 1V
Luminaire Lumens:	15080.8 lumens	Max Intensity:	354797.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	60.4 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 0.5' x H: 0')		

Beam Angle (50%):	9.3°H x 8.8°V	Field Angle (10%):	15.8°H x 15.3°V
Beam Lumens:	5468.9 lumens	Field Lumens:	8718.5 lumens
Beam Efficiency:	36.3%	Field Efficiency:	57.8%

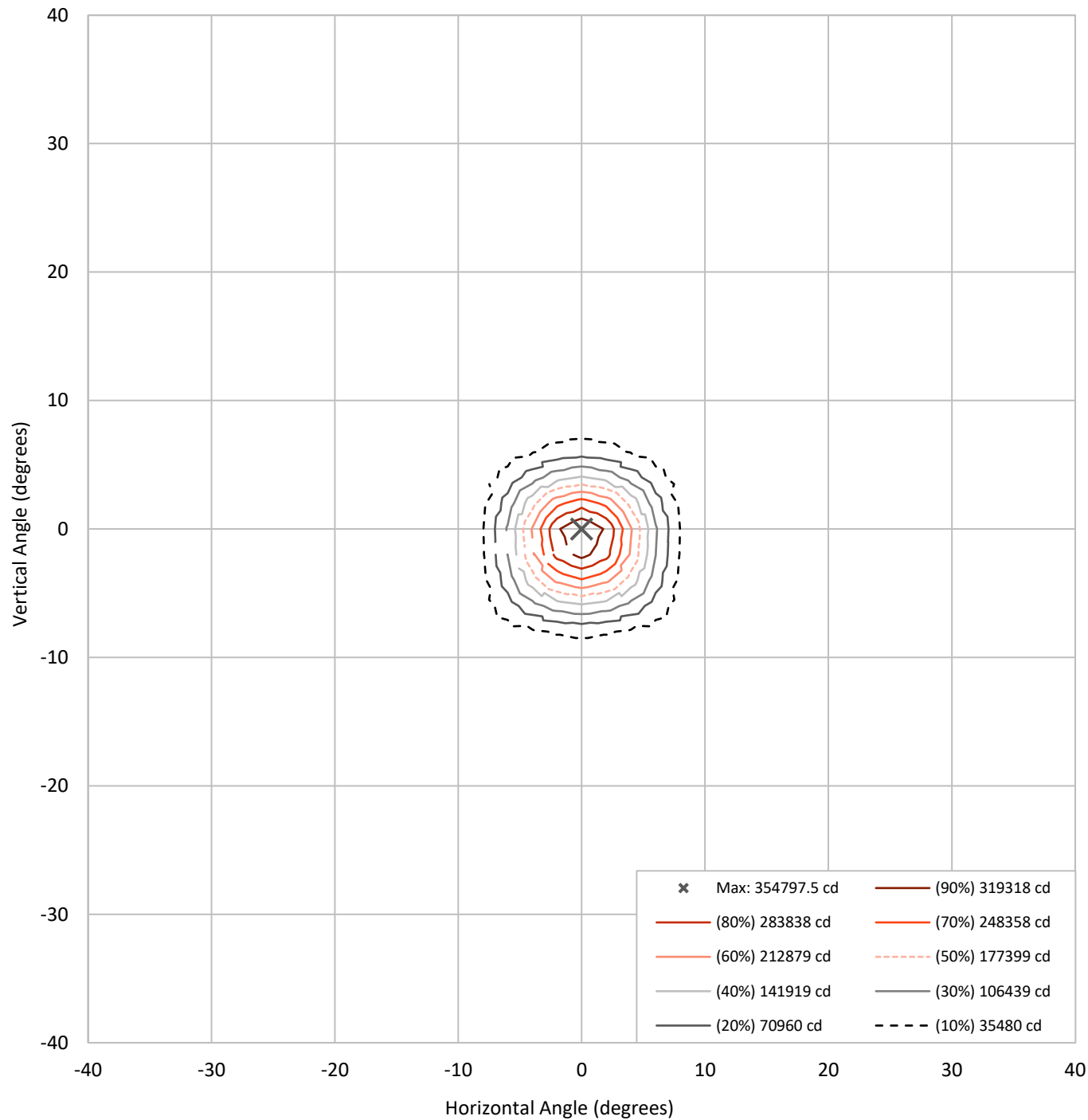
Input Watts (W): 249.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT





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Iso-Candela Plot



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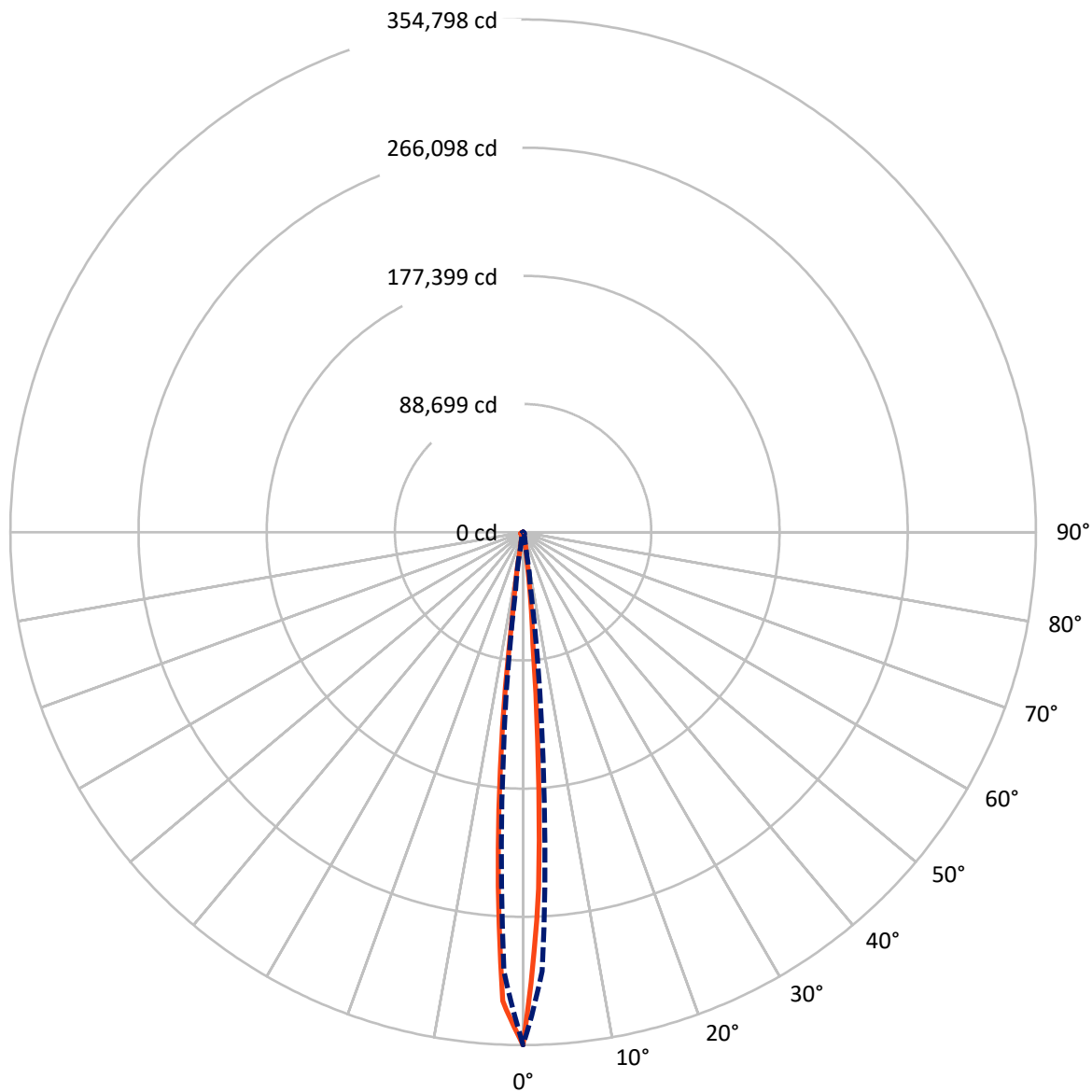
Lumen Table

Vertical Angle (degrees)																
	0.3	3.4		3.6		1.4		0.4		1.4		3.6		3.4		0.3
90																
80	0.3	3.4		3.6		1.4		0.4		1.4		3.6		3.4		0.3
70																
60	0.4	0.8	1.0	0.7	0.6	0.5	0.4	0.2	0.2	0.4	0.5	0.6	0.7	1.0	0.8	0.4
50		0.5	0.7	1.8	3.9	6.4	8.2	9.4	9.4	8.2	6.4	3.9	1.8	0.7	0.5	
40	0.4	0.5	2.1	6.9	13.5	19.8	23.8	26.4	26.4	23.8	19.8	13.5	6.9	2.1	0.5	0.4
30		1.0	5.2	14.1	22.9	26.9	29.1	30.1	30.1	29.1	26.9	22.9	14.1	5.2	1.0	
20	0.6	2.0	8.9	20.5	26.6	27.4	32.3	38.9	38.9	32.3	27.4	26.6	20.5	8.9	2.0	0.6
10		3.1	12.5	25.2	28.3	32.0	56.2	95.7	95.7	56.2	32.0	28.3	25.2	12.5	3.1	
0	1.0	4.0	15.4	27.7	29.4	39.5	106.8	1979.7	1979.7	106.8	39.5	29.4	27.7	15.4	4.0	1.0
-10		4.7	16.8	29.1	30.5	40.8	115.1	2886.6	2886.6	115.1	40.8	30.5	29.1	16.8	4.7	
-20	1.4	5.0	17.3	30.7	33.0	36.8	66.9	128.4	128.4	66.9	36.8	33.0	30.7	17.3	5.0	1.4
-30		4.7	16.4	31.0	37.0	37.1	43.3	52.9	52.9	43.3	37.1	37.0	31.0	16.4	4.7	
-40	1.6	4.2	14.5	29.7	40.7	44.4	46.2	46.6	46.6	46.2	44.4	40.7	29.7	14.5	4.2	1.6
-50		3.7	11.7	25.2	39.3	47.7	53.5	56.1	56.1	53.5	47.7	39.3	25.2	11.7	3.7	
-60	1.3	3.3	9.0	19.5	33.5	45.0	52.2	55.3	55.3	52.2	45.0	33.5	19.5	9.0	3.3	1.3
-70		3.1	7.9	15.9	27.9	39.3	47.6	51.4	51.4	47.6	39.3	27.9	15.9	7.9	3.1	
-80	0.6	9.3		27.8		51.5		56.8		51.5		27.8		9.3		0.6
-90																
Horizontal Angle (degrees)																
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	90

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Luminous Intensity Polar Plot



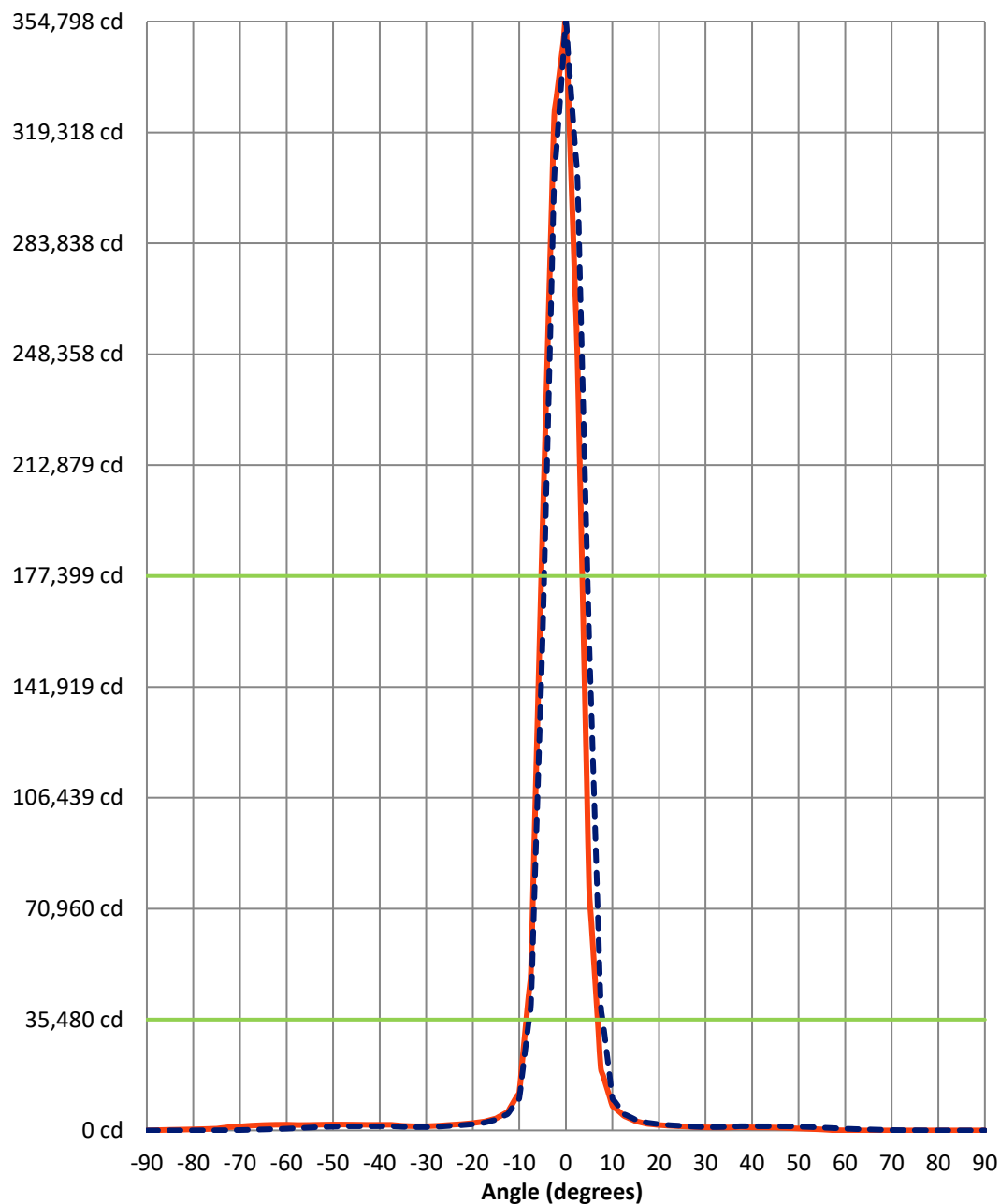
— Vertical Distribution Through 0-Deg

- - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:

H Angle: 9.3°

V Angle: 8.8°

Lumens: 5468.9

Efficiency: 36.3%

Field:

H Angle: 15.8°

V Angle: 15.3°

Lumens: 8718.5

Efficiency: 57.8%

Spill:

Lumens: 6362.3

Efficiency: 42.2%

— Vertical Distribution through 0-Deg
- - Horizontal Distribution through 0-Deg



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FIELD
BEAM

CANDELA DISTRIBUTION:

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
85°	0.0	3.5	3.5	7.0	7.0	7.0	10.4	13.9	17.4	17.4	20.9
82.5°	0.0	3.5	3.5	7.0	7.0	10.4	10.4	17.4	20.9	24.4	31.3
80°	3.5	3.5	3.5	7.0	7.0	10.4	10.4	13.9	17.4	24.4	27.9
77.5°	0.0	3.5	3.5	3.5	7.0	7.0	7.0	10.4	13.9	17.4	20.9
75°	0.0	3.5	3.5	3.5	7.0	7.0	7.0	7.0	10.4	10.4	13.9
72.5°	0.0	0.0	0.0	3.5	3.5	7.0	7.0	7.0	10.4	10.4	10.4
70°	0.0	0.0	0.0	3.5	3.5	7.0	7.0	7.0	10.4	10.4	10.4
67.5°	0.0	0.0	0.0	3.5	3.5	7.0	7.0	7.0	10.4	10.4	10.4
65°	0.0	0.0	0.0	3.5	3.5	7.0	7.0	10.4	10.4	10.4	10.4
62.5°	3.5	3.5	3.5	7.0	10.4	10.4	13.9	17.4	17.4	17.4	17.4
60°	34.8	38.3	41.8	41.8	38.3	38.3	41.8	41.8	41.8	41.8	41.8
57.5°	94.0	101.0	104.4	104.4	104.4	101.0	114.9	118.4	104.4	97.5	107.9
55°	327.2	337.7	330.7	320.3	299.4	275.0	268.1	264.6	268.1	250.7	222.8
52.5°	476.9	487.4	483.9	476.9	463.0	445.6	431.7	417.8	403.8	376.0	344.7
50°	619.7	623.2	619.7	612.7	598.8	581.4	553.5	522.2	494.4	487.4	459.5
47.5°	779.8	790.3	790.3	786.8	776.3	745.0	703.2	658.0	637.1	630.1	602.3
45°	922.6	929.5	933.0	936.5	933.0	901.7	863.4	839.0	793.7	779.8	779.8
42.5°	960.9	964.3	967.8	971.3	981.7	957.4	926.0	884.3	873.8	870.3	863.4
40°	974.8	967.8	971.3	974.8	978.3	960.9	936.5	912.1	905.1	898.2	898.2
37.5°	1107.1	1075.7	1051.4	1030.5	1013.1	995.7	971.3	950.4	933.0	919.1	933.0
35°	943.4	943.4	967.8	988.7	1009.6	1030.5	1034.0	1009.6	971.3	953.9	978.3
32.5°	964.3	964.3	964.3	971.3	978.3	995.7	1013.1	1023.5	1051.4	1020.0	1020.0
30°	985.2	988.7	995.7	999.1	988.7	981.7	974.8	974.8	992.2	1037.4	1061.8
27.5°	1107.1	1107.1	1096.6	1082.7	1051.4	1002.6	978.3	943.4	946.9	967.8	1027.0
25°	1305.5	1298.5	1274.2	1239.4	1183.7	1114.0	1047.9	974.8	943.4	933.0	957.4
22.5°	1493.5	1483.1	1451.7	1420.4	1375.1	1305.5	1194.1	1082.7	985.2	943.4	933.0
20°	1733.7	1709.3	1674.5	1625.8	1552.7	1483.1	1385.6	1239.4	1096.6	988.7	946.9
17.5°	2120.1	2088.8	2022.7	1935.6	1810.3	1702.4	1563.1	1423.9	1263.7	1089.7	995.7
15°	2966.1	2886.0	2771.1	2530.9	2283.8	2078.4	1869.5	1636.2	1472.6	1242.8	1100.1
12.5°	4665.0	4445.7	4111.5	3551.0	2997.4	2520.5	2182.8	1883.4	1618.8	1406.5	1204.5
10°	7895.7	7425.7	6503.1	4971.4	3951.3	3074.0	2468.3	2067.9	1733.7	1514.4	1291.6
7.5°	19969.0	16289.2	11526.7	7871.3	5169.8	3756.4	2823.4	2242.0	1855.6	1584.0	1361.2
5°	77828.9	64112.4	34200.7	14273.5	7777.3	4543.2	3143.7	2381.2	1935.6	1636.2	1413.4
2.5°	247004.7	213305.3	111911.2	30726.3	9549.3	5117.6	3363.0	2468.3	1980.9	1674.5	1451.7
0°	354797.5	304074.4	157060.8	40411.4	10357.0	5263.8	3432.6	2485.7	1987.8	1681.5	1451.7
-2.5°	324579.5	284070.6	151720.4	37605.5	10583.3	5305.6	3488.3	2544.9	2040.1	1712.8	1462.2
-5°	192862.9	169168.9	105836.3	26813.3	9403.1	4926.1	3342.1	2492.6	2005.3	1695.4	1455.2
-7.5°	50813.7	43990.2	28936.9	13991.5	6085.4	4167.2	3070.5	2405.6	1960.0	1664.1	1427.4
-10°	12250.8	11610.3	10370.9	6356.9	4738.1	3481.3	2722.4	2248.9	1869.5	1622.3	1382.1
-12.5°	5907.8	5768.6	5235.9	4316.9	3516.2	2893.0	2464.8	2085.3	1785.9	1549.2	1319.4
-15°	3843.4	3763.3	3582.3	3230.7	2823.4	2524.0	2224.6	1918.2	1681.5	1441.3	1267.2
-17.5°	2844.3	2840.8	2750.3	2618.0	2416.1	2193.2	1973.9	1779.0	1549.2	1343.8	1211.5
-20°	2356.9	2356.9	2304.6	2217.6	2074.9	1928.7	1782.4	1601.4	1413.4	1260.2	1204.5

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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
-22.5°	2001.8	2005.3	1977.4	1921.7	1845.1	1723.3	1580.5	1434.3	1298.5	1242.8	1225.4
-25°	1772.0	1765.0	1733.7	1681.5	1601.4	1503.9	1409.9	1312.5	1274.2	1260.2	1284.6
-27.5°	1500.5	1510.9	1497.0	1472.6	1420.4	1350.8	1329.9	1302.0	1309.0	1329.9	1423.9
-30°	1340.3	1350.8	1364.7	1375.1	1357.7	1340.3	1347.3	1368.2	1413.4	1493.5	1528.3
-32.5°	1340.3	1343.8	1364.7	1385.6	1396.0	1409.9	1448.2	1517.9	1584.0	1563.1	1556.2
-35°	1462.2	1451.7	1479.6	1507.4	1545.7	1594.5	1636.2	1622.3	1597.9	1591.0	1597.9
-37.5°	1810.3	1744.2	1716.3	1698.9	1688.5	1681.5	1671.0	1660.6	1650.2	1643.2	1653.6
-40°	1806.8	1789.4	1772.0	1758.1	1747.6	1733.7	1726.7	1723.3	1712.8	1705.9	1698.9
-42.5°	1799.9	1806.8	1806.8	1803.3	1806.8	1803.3	1792.9	1779.0	1761.6	1747.6	1733.7
-45°	1852.1	1855.6	1862.5	1869.5	1879.9	1866.0	1845.1	1820.7	1796.4	1775.5	1758.1
-47.5°	1883.4	1886.9	1893.9	1904.3	1911.3	1897.3	1869.5	1838.1	1799.9	1765.0	1730.2
-50°	1893.9	1904.3	1907.8	1907.8	1904.3	1886.9	1845.1	1799.9	1758.1	1723.3	1691.9
-52.5°	1845.1	1855.6	1859.0	1852.1	1848.6	1831.2	1792.9	1751.1	1705.9	1681.5	1653.6
-55°	1765.0	1779.0	1789.4	1789.4	1789.4	1785.9	1751.1	1712.8	1678.0	1650.2	1622.3
-57.5°	1733.7	1758.1	1779.0	1782.4	1785.9	1789.4	1765.0	1726.7	1685.0	1643.2	1608.4
-60°	1848.6	1869.5	1879.9	1866.0	1855.6	1845.1	1806.8	1761.6	1719.8	1678.0	1611.9
-62.5°	1817.3	1852.1	1869.5	1859.0	1845.1	1827.7	1785.9	1733.7	1685.0	1639.7	1573.6
-65°	1716.3	1747.6	1768.5	1751.1	1730.2	1705.9	1667.6	1618.8	1573.6	1528.3	1469.1
-67.5°	1545.7	1591.0	1625.8	1587.5	1559.6	1528.3	1497.0	1455.2	1409.9	1357.7	1302.0
-70°	1277.7	1312.5	1343.8	1333.4	1326.4	1319.4	1298.5	1256.8	1218.5	1176.7	1128.0
-72.5°	1027.0	1058.3	1086.2	1068.8	1054.8	1034.0	1002.6	957.4	912.1	866.9	821.6
-75°	567.5	577.9	588.3	584.9	584.9	584.9	584.9	588.3	581.4	570.9	550.1
-77.5°	435.2	449.1	459.5	466.5	476.9	490.9	501.3	483.9	466.5	449.1	428.2
-80°	341.2	355.1	365.5	403.8	431.7	463.0	483.9	459.5	435.2	414.3	396.9
-82.5°	257.6	268.1	278.5	299.4	313.3	330.7	344.7	344.7	341.2	337.7	327.2
-85°	188.0	201.9	215.8	222.8	233.2	233.2	236.7	222.8	208.9	198.4	184.5
-87.5°	107.9	111.4	111.4	111.4	114.9	114.9	114.9	107.9	104.4	97.5	94.0
-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):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.5	3.5	3.5	7.0	7.0	10.4	10.4	13.9	13.9	17.4	17.4
85°	20.9	20.9	20.9	24.4	24.4	27.9	31.3	34.8	38.3	38.3	41.8
82.5°	34.8	38.3	41.8	45.3	48.7	52.2	55.7	59.2	69.6	76.6	80.1
80°	34.8	38.3	48.7	55.7	62.7	69.6	69.6	69.6	69.6	73.1	80.1
77.5°	24.4	27.9	31.3	38.3	55.7	69.6	80.1	87.0	80.1	76.6	69.6
75°	13.9	17.4	20.9	24.4	34.8	48.7	66.1	83.6	97.5	94.0	87.0
72.5°	13.9	13.9	17.4	20.9	24.4	27.9	31.3	48.7	69.6	87.0	97.5
70°	13.9	17.4	17.4	20.9	24.4	27.9	31.3	38.3	48.7	69.6	90.5
67.5°	13.9	17.4	17.4	24.4	31.3	34.8	38.3	34.8	31.3	45.3	66.1
65°	13.9	13.9	17.4	20.9	24.4	27.9	38.3	38.3	34.8	34.8	34.8
62.5°	20.9	20.9	20.9	20.9	24.4	24.4	24.4	31.3	31.3	31.3	31.3
60°	41.8	38.3	38.3	38.3	38.3	31.3	31.3	31.3	27.9	31.3	27.9
57.5°	101.0	83.6	76.6	76.6	66.1	62.7	52.2	38.3	38.3	31.3	31.3
55°	205.4	195.0	163.6	135.8	121.8	107.9	83.6	69.6	52.2	41.8	38.3
52.5°	316.8	289.0	261.1	226.3	191.5	163.6	139.3	107.9	87.0	62.7	48.7
50°	414.3	389.9	358.6	320.3	275.0	240.2	205.4	163.6	128.8	97.5	69.6
47.5°	564.0	515.2	476.9	431.7	379.5	330.7	285.5	236.7	181.0	142.7	107.9
45°	724.1	654.5	602.3	560.5	490.9	424.7	372.5	320.3	254.1	188.0	146.2
42.5°	835.5	783.3	713.7	658.0	595.3	525.7	456.1	400.4	330.7	254.1	188.0
40°	894.7	859.9	804.2	755.5	689.3	612.7	539.6	483.9	410.8	327.2	236.7
37.5°	940.0	922.6	894.7	856.4	793.7	703.2	630.1	564.0	501.3	403.8	306.4
35°	992.2	988.7	971.3	953.9	901.7	814.6	727.6	651.0	574.4	483.9	376.0
32.5°	1040.9	1037.4	1027.0	1020.0	999.1	922.6	828.6	741.5	654.5	560.5	442.1
30°	1065.3	1058.3	1058.3	1065.3	1044.4	995.7	926.0	832.0	734.6	623.2	511.8
27.5°	1065.3	1058.3	1061.8	1072.3	1068.8	1044.4	992.2	915.6	807.7	682.3	574.4
25°	1020.0	1054.8	1054.8	1068.8	1072.3	1065.3	1037.4	988.7	877.3	745.0	623.2
22.5°	957.4	1040.9	1072.3	1068.8	1072.3	1089.7	1093.1	1047.9	943.4	807.7	671.9
20°	957.4	1016.6	1107.1	1082.7	1089.7	1128.0	1145.4	1107.1	1013.1	866.9	720.6
17.5°	978.3	1016.6	1093.1	1131.4	1141.9	1173.2	1201.1	1176.7	1075.7	929.5	786.8
15°	1037.4	1030.5	1082.7	1176.7	1194.1	1218.5	1249.8	1222.0	1131.4	999.1	849.4
12.5°	1079.2	1040.9	1082.7	1183.7	1239.4	1263.7	1274.2	1253.3	1180.2	1061.8	912.1
10°	1134.9	1068.8	1089.7	1176.7	1256.8	1274.2	1284.6	1277.7	1225.4	1114.0	967.8
7.5°	1176.7	1082.7	1082.7	1166.2	1274.2	1288.1	1295.1	1302.0	1263.7	1159.3	1016.6
5°	1194.1	1082.7	1075.7	1155.8	1291.6	1305.5	1305.5	1315.9	1291.6	1194.1	1051.4
2.5°	1197.6	1079.2	1068.8	1148.8	1322.9	1322.9	1315.9	1326.4	1312.5	1215.0	1075.7
0°	1215.0	1075.7	1065.3	1159.3	1357.7	1343.8	1326.4	1329.9	1322.9	1225.4	1089.7
-2.5°	1215.0	1093.1	1079.2	1166.2	1354.2	1350.8	1343.8	1347.3	1340.3	1256.8	1117.5
-5°	1232.4	1117.5	1103.6	1197.6	1350.8	1361.2	1364.7	1364.7	1354.2	1277.7	1134.9
-7.5°	1235.9	1134.9	1131.4	1228.9	1357.7	1375.1	1385.6	1392.5	1371.6	1291.6	1148.8
-10°	1218.5	1141.9	1159.3	1267.2	1364.7	1389.1	1409.9	1420.4	1385.6	1298.5	1155.8
-12.5°	1180.2	1141.9	1187.1	1315.9	1382.1	1409.9	1441.3	1444.8	1399.5	1302.0	1159.3
-15°	1176.7	1169.7	1235.9	1364.7	1392.5	1427.4	1476.1	1465.6	1409.9	1302.0	1159.3
-17.5°	1173.2	1208.0	1309.0	1382.1	1409.9	1448.2	1486.5	1476.1	1416.9	1302.0	1152.3
-20°	1204.5	1270.7	1396.0	1399.5	1430.8	1472.6	1493.5	1472.6	1406.5	1291.6	1141.9

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CATALOG NUMBER: IFLD-M-SA4D-730-U-11-VI

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
-22.5°	1256.8	1382.1	1423.9	1437.8	1465.6	1497.0	1507.4	1476.1	1396.0	1274.2	1124.5
-25°	1389.1	1451.7	1451.7	1483.1	1510.9	1524.8	1514.4	1479.6	1382.1	1256.8	1107.1
-27.5°	1490.0	1486.5	1503.9	1535.3	1559.6	1559.6	1531.8	1462.2	1361.2	1239.4	1082.7
-30°	1528.3	1531.8	1556.2	1591.0	1597.9	1580.5	1538.8	1448.2	1343.8	1211.5	1051.4
-32.5°	1566.6	1580.5	1611.9	1629.3	1632.7	1597.9	1521.3	1423.9	1315.9	1180.2	1016.6
-35°	1611.9	1639.7	1657.1	1660.6	1643.2	1584.0	1497.0	1392.5	1274.2	1134.9	985.2
-37.5°	1671.0	1685.0	1695.4	1681.5	1632.7	1563.1	1455.2	1350.8	1235.9	1086.2	940.0
-40°	1709.3	1716.3	1719.8	1674.5	1615.3	1514.4	1409.9	1302.0	1169.7	1030.5	891.2
-42.5°	1733.7	1726.7	1698.9	1650.2	1563.1	1465.6	1364.7	1242.8	1110.5	974.8	839.0
-45°	1726.7	1702.4	1660.6	1601.4	1510.9	1413.4	1295.1	1173.2	1047.9	915.6	779.8
-47.5°	1698.9	1660.6	1608.4	1538.8	1455.2	1336.8	1218.5	1100.1	978.3	849.4	724.1
-50°	1664.1	1618.8	1556.2	1469.1	1357.7	1249.8	1141.9	1027.0	901.7	783.3	671.9
-52.5°	1625.8	1577.0	1497.0	1399.5	1277.7	1166.2	1061.8	950.4	835.5	724.1	626.6
-55°	1584.0	1535.3	1444.8	1333.4	1211.5	1089.7	988.7	894.7	783.3	675.4	588.3
-57.5°	1563.1	1500.5	1406.5	1295.1	1166.2	1040.9	953.9	852.9	752.0	640.6	557.0
-60°	1545.7	1483.1	1396.0	1267.2	1145.4	1027.0	926.0	828.6	720.6	616.2	532.6
-62.5°	1497.0	1430.8	1350.8	1225.4	1107.1	999.1	908.6	793.7	689.3	591.8	515.2
-65°	1399.5	1329.9	1260.2	1148.8	1040.9	940.0	849.4	745.0	647.5	564.0	497.8
-67.5°	1246.3	1187.1	1124.5	1030.5	940.0	849.4	765.9	675.4	595.3	536.1	501.3
-70°	1075.7	1013.1	950.4	873.8	797.2	724.1	658.0	591.8	539.6	508.3	480.4
-72.5°	783.3	755.5	724.1	664.9	602.3	557.0	525.7	497.8	459.5	431.7	414.3
-75°	522.2	483.9	435.2	414.3	417.8	410.8	393.4	372.5	355.1	344.7	320.3
-77.5°	407.3	386.4	362.1	337.7	327.2	316.8	302.9	285.5	271.5	247.2	212.4
-80°	376.0	358.6	341.2	323.8	306.4	282.0	254.1	226.3	212.4	201.9	198.4
-82.5°	309.8	289.0	268.1	250.7	226.3	208.9	191.5	177.5	177.5	174.1	170.6
-85°	177.5	170.6	160.1	153.2	146.2	135.8	125.3	118.4	114.9	111.4	107.9
-87.5°	90.5	87.0	80.1	76.6	73.1	69.6	62.7	59.2	55.7	55.7	52.2
-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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CATALOG NUMBER: IFLD-M-SA4D-730-U-11-VI

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	17.4	17.4	13.9	13.9	13.9	10.4	7.0	7.0	3.5	3.5	0.0
85°	41.8	34.8	31.3	27.9	27.9	20.9	13.9	10.4	7.0	3.5	3.5
82.5°	80.1	69.6	59.2	52.2	41.8	31.3	24.4	17.4	10.4	7.0	3.5
80°	90.5	90.5	87.0	73.1	59.2	45.3	31.3	20.9	13.9	10.4	7.0
77.5°	69.6	76.6	76.6	76.6	73.1	55.7	38.3	24.4	13.9	10.4	7.0
75°	80.1	69.6	66.1	69.6	66.1	55.7	45.3	27.9	17.4	13.9	7.0
72.5°	97.5	83.6	73.1	69.6	62.7	52.2	41.8	31.3	17.4	13.9	10.4
70°	90.5	87.0	80.1	73.1	62.7	52.2	41.8	31.3	20.9	13.9	10.4
67.5°	80.1	80.1	80.1	73.1	62.7	48.7	38.3	27.9	20.9	13.9	10.4
65°	55.7	66.1	73.1	69.6	62.7	48.7	38.3	27.9	20.9	17.4	10.4
62.5°	34.8	45.3	59.2	66.1	59.2	48.7	34.8	27.9	20.9	17.4	10.4
60°	31.3	34.8	41.8	52.2	55.7	45.3	34.8	24.4	20.9	17.4	10.4
57.5°	31.3	31.3	34.8	41.8	45.3	41.8	31.3	20.9	20.9	17.4	13.9
55°	34.8	31.3	31.3	34.8	38.3	38.3	31.3	20.9	20.9	17.4	13.9
52.5°	41.8	34.8	31.3	31.3	31.3	34.8	27.9	20.9	20.9	17.4	13.9
50°	52.2	41.8	38.3	31.3	31.3	31.3	27.9	20.9	17.4	17.4	13.9
47.5°	69.6	55.7	41.8	38.3	31.3	27.9	24.4	20.9	17.4	17.4	13.9
45°	104.4	66.1	55.7	41.8	34.8	31.3	27.9	20.9	17.4	17.4	13.9
42.5°	142.7	97.5	69.6	48.7	38.3	31.3	27.9	24.4	17.4	17.4	13.9
40°	181.0	132.3	87.0	62.7	45.3	34.8	27.9	24.4	20.9	17.4	13.9
37.5°	222.8	163.6	114.9	80.1	52.2	38.3	31.3	24.4	20.9	17.4	13.9
35°	275.0	205.4	142.7	97.5	62.7	45.3	34.8	24.4	20.9	17.4	13.9
32.5°	334.2	243.7	170.6	118.4	80.1	55.7	38.3	27.9	20.9	17.4	13.9
30°	389.9	289.0	201.9	142.7	97.5	62.7	41.8	27.9	20.9	17.4	10.4
27.5°	445.6	334.2	240.2	167.1	118.4	73.1	45.3	31.3	20.9	17.4	13.9
25°	501.3	379.5	278.5	191.5	135.8	87.0	55.7	34.8	20.9	17.4	13.9
22.5°	550.1	424.7	313.3	219.3	156.7	101.0	62.7	38.3	24.4	17.4	13.9
20°	605.8	473.5	351.6	250.7	174.1	114.9	69.6	41.8	24.4	17.4	13.9
17.5°	658.0	522.2	389.9	278.5	195.0	128.8	80.1	45.3	27.9	17.4	13.9
15°	710.2	567.5	424.7	306.4	215.8	142.7	87.0	48.7	31.3	17.4	13.9
12.5°	758.9	609.2	456.1	330.7	233.2	156.7	94.0	52.2	34.8	17.4	13.9
10°	804.2	647.5	487.4	351.6	250.7	167.1	101.0	59.2	38.3	17.4	13.9
7.5°	849.4	678.9	511.8	372.5	271.5	181.0	107.9	62.7	41.8	20.9	13.9
5°	877.3	706.7	532.6	389.9	289.0	195.0	114.9	66.1	45.3	20.9	13.9
2.5°	901.7	727.6	546.6	407.3	306.4	205.4	114.9	69.6	48.7	20.9	13.9
0°	915.6	741.5	557.0	417.8	320.3	212.4	118.4	73.1	52.2	20.9	13.9
-2.5°	946.9	765.9	581.4	431.7	334.2	233.2	125.3	76.6	55.7	24.4	13.9
-5°	967.8	779.8	598.8	445.6	344.7	254.1	135.8	83.6	62.7	31.3	17.4
-7.5°	985.2	793.7	612.7	452.6	355.1	261.1	139.3	87.0	66.1	34.8	17.4
-10°	988.7	800.7	623.2	463.0	362.1	271.5	142.7	90.5	69.6	38.3	17.4
-12.5°	992.2	807.7	626.6	470.0	369.0	278.5	146.2	94.0	73.1	41.8	17.4
-15°	988.7	804.2	626.6	476.9	372.5	271.5	153.2	97.5	76.6	45.3	17.4
-17.5°	981.7	800.7	623.2	473.5	369.0	264.6	156.7	104.4	76.6	48.7	20.9
-20°	971.3	790.3	616.2	470.0	365.5	257.6	160.1	107.9	80.1	48.7	20.9

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CATALOG NUMBER: IFLD-M-SA4D-730-U-11-VI

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	953.9	772.9	602.3	459.5	358.6	250.7	160.1	114.9	83.6	48.7	20.9
-25°	933.0	755.5	588.3	445.6	348.1	240.2	160.1	118.4	87.0	48.7	20.9
-27.5°	908.6	738.0	567.5	435.2	334.2	233.2	160.1	121.8	90.5	48.7	20.9
-30°	880.8	713.7	550.1	417.8	323.8	233.2	163.6	125.3	94.0	48.7	20.9
-32.5°	852.9	689.3	529.2	403.8	309.8	229.8	163.6	128.8	97.5	45.3	24.4
-35°	821.6	661.5	511.8	393.4	299.4	222.8	167.1	128.8	94.0	45.3	24.4
-37.5°	783.3	626.6	494.4	382.9	292.4	215.8	167.1	132.3	90.5	45.3	24.4
-40°	741.5	598.8	473.5	369.0	282.0	212.4	167.1	132.3	87.0	45.3	27.9
-42.5°	696.3	567.5	452.6	355.1	271.5	208.9	167.1	132.3	83.6	45.3	27.9
-45°	654.5	536.1	428.2	337.7	261.1	208.9	167.1	128.8	76.6	48.7	27.9
-47.5°	609.2	501.3	400.4	320.3	257.6	205.4	163.6	121.8	69.6	48.7	27.9
-50°	570.9	466.5	379.5	302.9	250.7	208.9	167.1	111.4	69.6	48.7	27.9
-52.5°	532.6	442.1	355.1	295.9	243.7	212.4	163.6	104.4	69.6	48.7	27.9
-55°	501.3	417.8	341.2	285.5	250.7	219.3	156.7	94.0	69.6	48.7	27.9
-57.5°	476.9	403.8	330.7	289.0	261.1	212.4	146.2	90.5	69.6	45.3	27.9
-60°	459.5	389.9	334.2	302.9	264.6	201.9	139.3	90.5	69.6	45.3	24.4
-62.5°	445.6	393.4	351.6	313.3	250.7	188.0	132.3	90.5	62.7	41.8	24.4
-65°	449.1	407.3	358.6	299.4	240.2	174.1	121.8	87.0	59.2	38.3	24.4
-67.5°	459.5	396.9	337.7	282.0	215.8	156.7	111.4	80.1	55.7	38.3	24.4
-70°	424.7	365.5	306.4	240.2	184.5	135.8	104.4	73.1	48.7	34.8	24.4
-72.5°	382.9	306.4	243.7	195.0	156.7	125.3	94.0	66.1	45.3	31.3	20.9
-75°	278.5	222.8	181.0	163.6	139.3	111.4	83.6	59.2	41.8	31.3	20.9
-77.5°	198.4	184.5	167.1	149.7	125.3	97.5	73.1	55.7	38.3	27.9	17.4
-80°	195.0	177.5	156.7	128.8	104.4	83.6	62.7	48.7	34.8	24.4	13.9
-82.5°	163.6	139.3	118.4	97.5	80.1	66.1	52.2	38.3	27.9	17.4	10.4
-85°	101.0	87.0	76.6	66.1	55.7	45.3	34.8	24.4	17.4	10.4	7.0
-87.5°	48.7	45.3	38.3	31.3	27.9	20.9	17.4	13.9	10.4	7.0	3.5
-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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CATALOG NUMBER: IFLD-M-SA4D-730-U-11-VI

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0
82.5°	3.5	0.0	0.0	0.0
80°	3.5	0.0	0.0	0.0
77.5°	3.5	0.0	0.0	0.0
75°	3.5	3.5	0.0	0.0
72.5°	3.5	3.5	0.0	0.0
70°	7.0	3.5	3.5	0.0
67.5°	7.0	3.5	3.5	0.0
65°	7.0	3.5	3.5	0.0
62.5°	7.0	3.5	3.5	0.0
60°	7.0	3.5	3.5	0.0
57.5°	7.0	3.5	3.5	0.0
55°	7.0	3.5	3.5	0.0
52.5°	7.0	3.5	3.5	0.0
50°	7.0	3.5	3.5	0.0
47.5°	7.0	7.0	3.5	0.0
45°	7.0	7.0	3.5	0.0
42.5°	7.0	7.0	3.5	0.0
40°	7.0	7.0	3.5	0.0
37.5°	7.0	7.0	3.5	0.0
35°	7.0	7.0	3.5	0.0
32.5°	10.4	7.0	3.5	0.0
30°	10.4	7.0	7.0	0.0
27.5°	10.4	7.0	7.0	0.0
25°	10.4	7.0	7.0	0.0
22.5°	10.4	7.0	7.0	0.0
20°	10.4	7.0	7.0	0.0
17.5°	10.4	7.0	7.0	0.0
15°	10.4	7.0	7.0	0.0
12.5°	10.4	7.0	7.0	0.0
10°	10.4	7.0	7.0	0.0
7.5°	10.4	7.0	7.0	0.0
5°	10.4	7.0	7.0	0.0
2.5°	10.4	7.0	7.0	0.0
0°	10.4	7.0	7.0	0.0
-2.5°	10.4	7.0	7.0	0.0
-5°	10.4	7.0	7.0	0.0
-7.5°	10.4	7.0	7.0	0.0
-10°	10.4	7.0	7.0	0.0
-12.5°	13.9	7.0	7.0	0.0
-15°	13.9	7.0	7.0	0.0
-17.5°	13.9	7.0	7.0	0.0
-20°	13.9	7.0	7.0	0.0

REPORT NUMBER: P723680

CATALOG NUMBER: IFLD-M-SA4D-730-U-11-VI

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	13.9	7.0	7.0	0.0
-25°	13.9	7.0	7.0	0.0
-27.5°	13.9	7.0	7.0	0.0
-30°	13.9	7.0	7.0	0.0
-32.5°	13.9	7.0	7.0	0.0
-35°	13.9	7.0	7.0	0.0
-37.5°	13.9	7.0	7.0	0.0
-40°	13.9	7.0	7.0	0.0
-42.5°	10.4	7.0	3.5	0.0
-45°	13.9	7.0	3.5	0.0
-47.5°	13.9	7.0	3.5	0.0
-50°	13.9	7.0	3.5	0.0
-52.5°	13.9	7.0	3.5	0.0
-55°	13.9	7.0	3.5	0.0
-57.5°	13.9	7.0	3.5	0.0
-60°	13.9	7.0	3.5	0.0
-62.5°	13.9	7.0	3.5	0.0
-65°	13.9	7.0	3.5	0.0
-67.5°	13.9	7.0	3.5	0.0
-70°	13.9	3.5	3.5	0.0
-72.5°	10.4	3.5	3.5	0.0
-75°	10.4	3.5	3.5	0.0
-77.5°	7.0	3.5	0.0	0.0
-80°	7.0	3.5	0.0	0.0
-82.5°	7.0	3.5	0.0	0.0
-85°	3.5	0.0	0.0	0.0
-87.5°	3.5	0.0	0.0	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)