

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: P628479

Luminaire Tested: **IFLD-S-SA6A-935-U-LAM**

Issue Date: 01/11/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P628479  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/11/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6A-935-U-LAM  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/  
Lambertian distribution lens  
Light Source: (96) 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

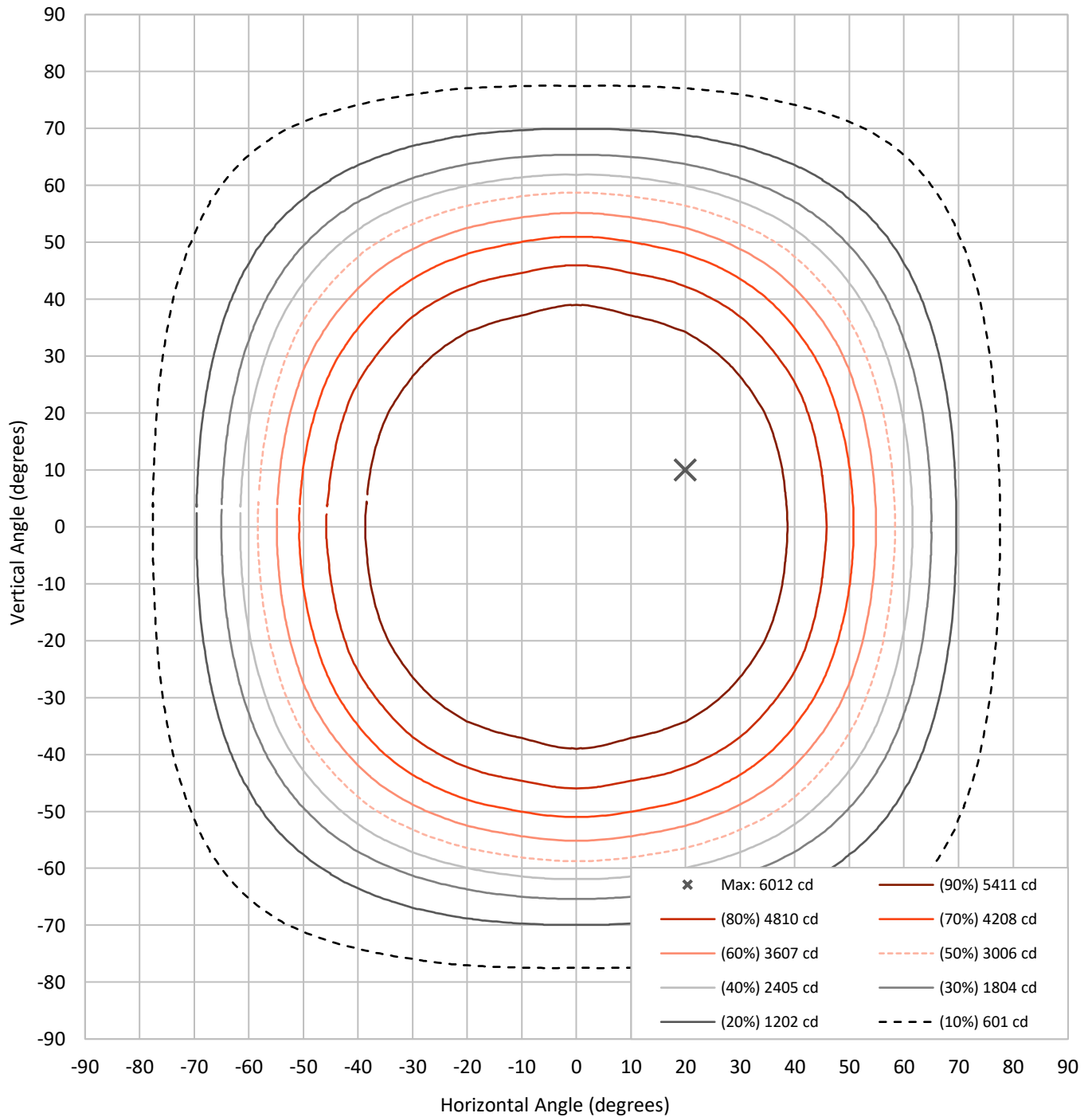
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	18444.1 lumens	Max Intensity:	6012 candela
Efficiency:	N/A	Max Intensity Angle:	20°H x 10°V
Efficacy:	97.3 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	115.7°H x 112.9°V	Field Angle (10%):	154.7°H x 154°V
Beam Lumens:	11317.7 lumens	Field Lumens:	13568 lumens
Beam Efficiency:	61.4%	Field Efficiency:	73.6%
Input Watts (W):	189.6		
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:	25 FT		



REPORT NUMBER: P628479  
CATALOG NUMBER: IFLD-S-SA6A-935-U-LAM

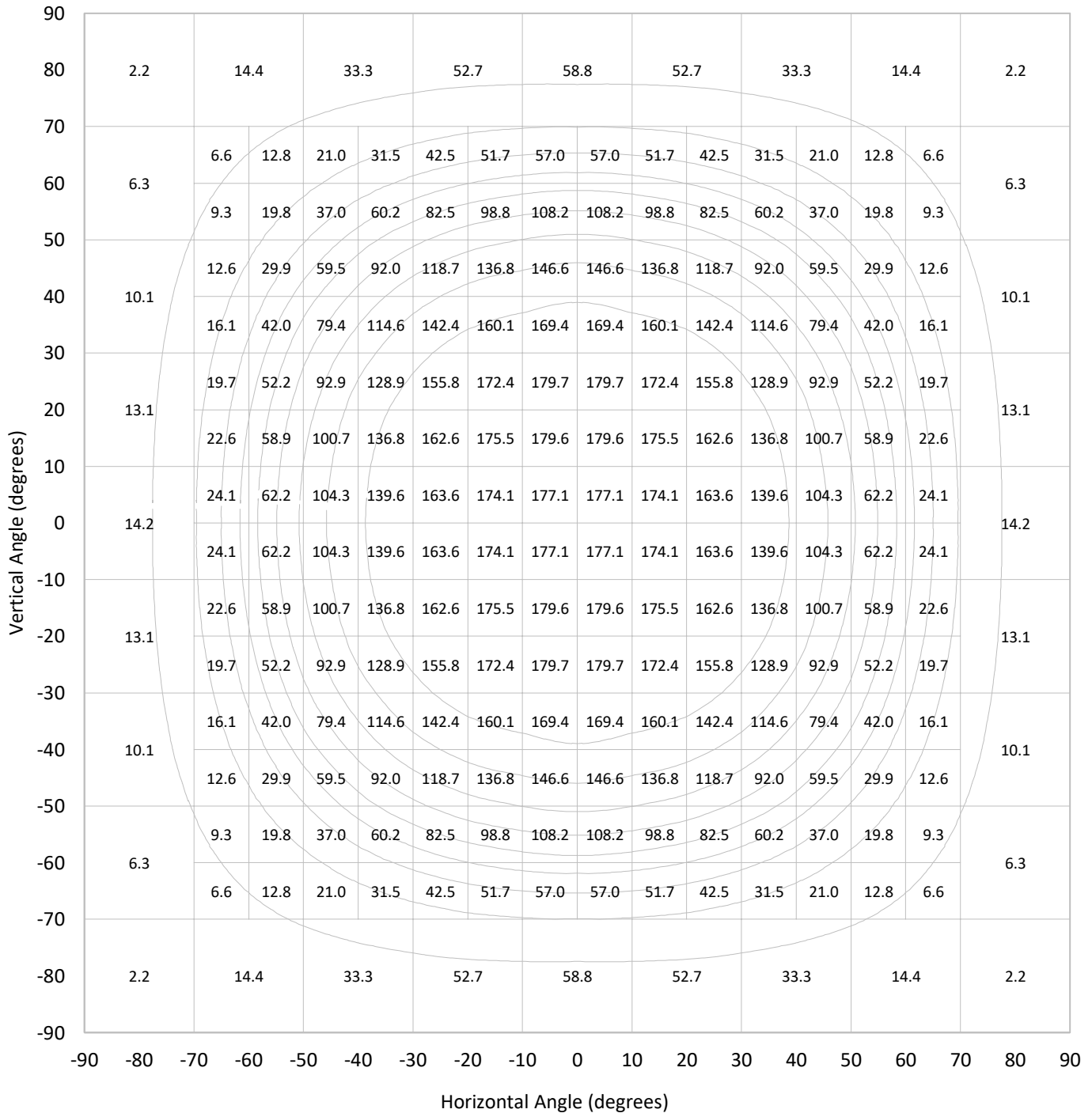
### Iso-Candela Plot





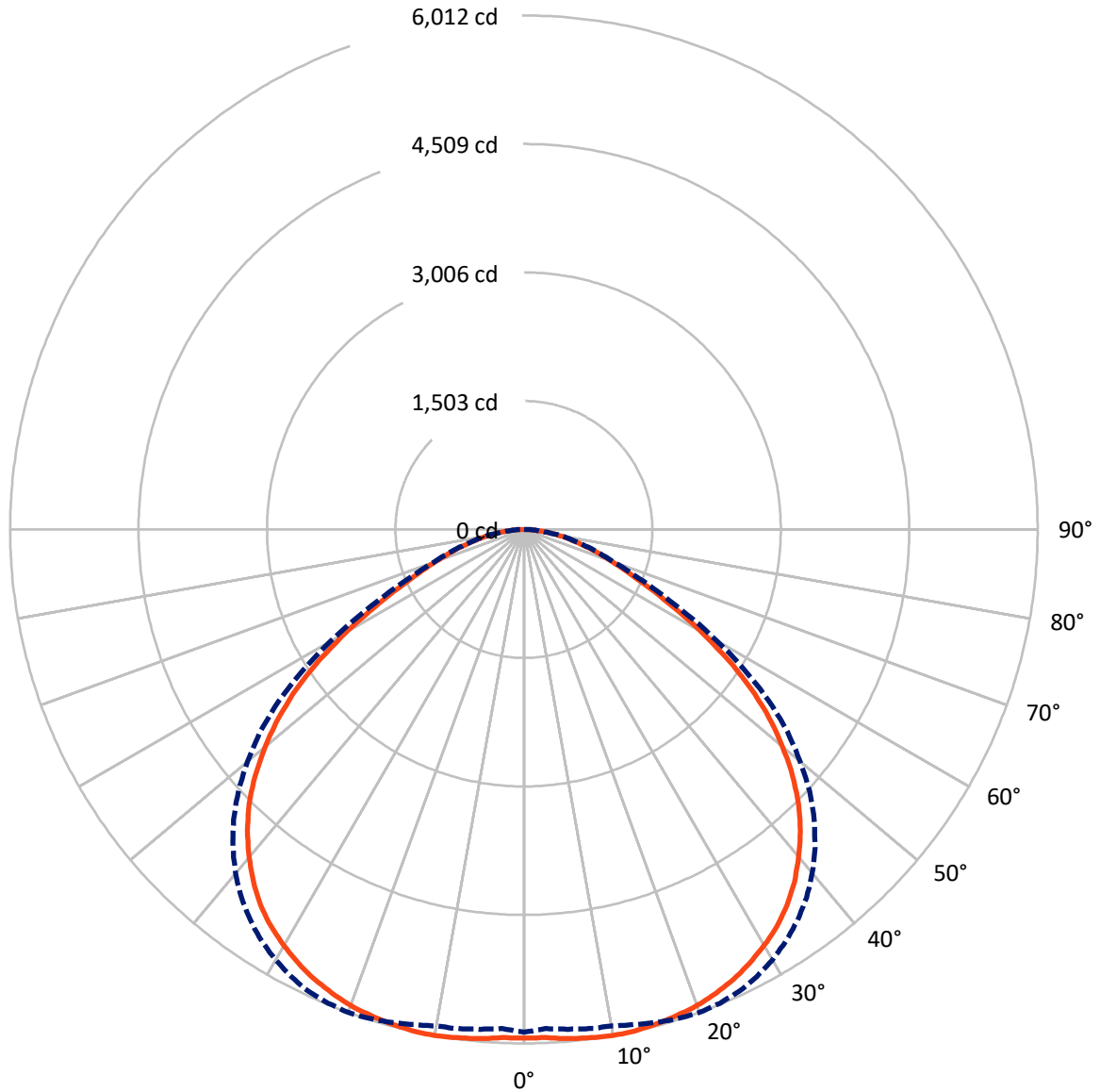
REPORT NUMBER: P628479  
 CATALOG NUMBER: IFLD-S-SA6A-935-U-LAM

### Lumen Table



REPORT NUMBER: P628479  
CATALOG NUMBER: IFLD-S-SA6A-935-U-LAM

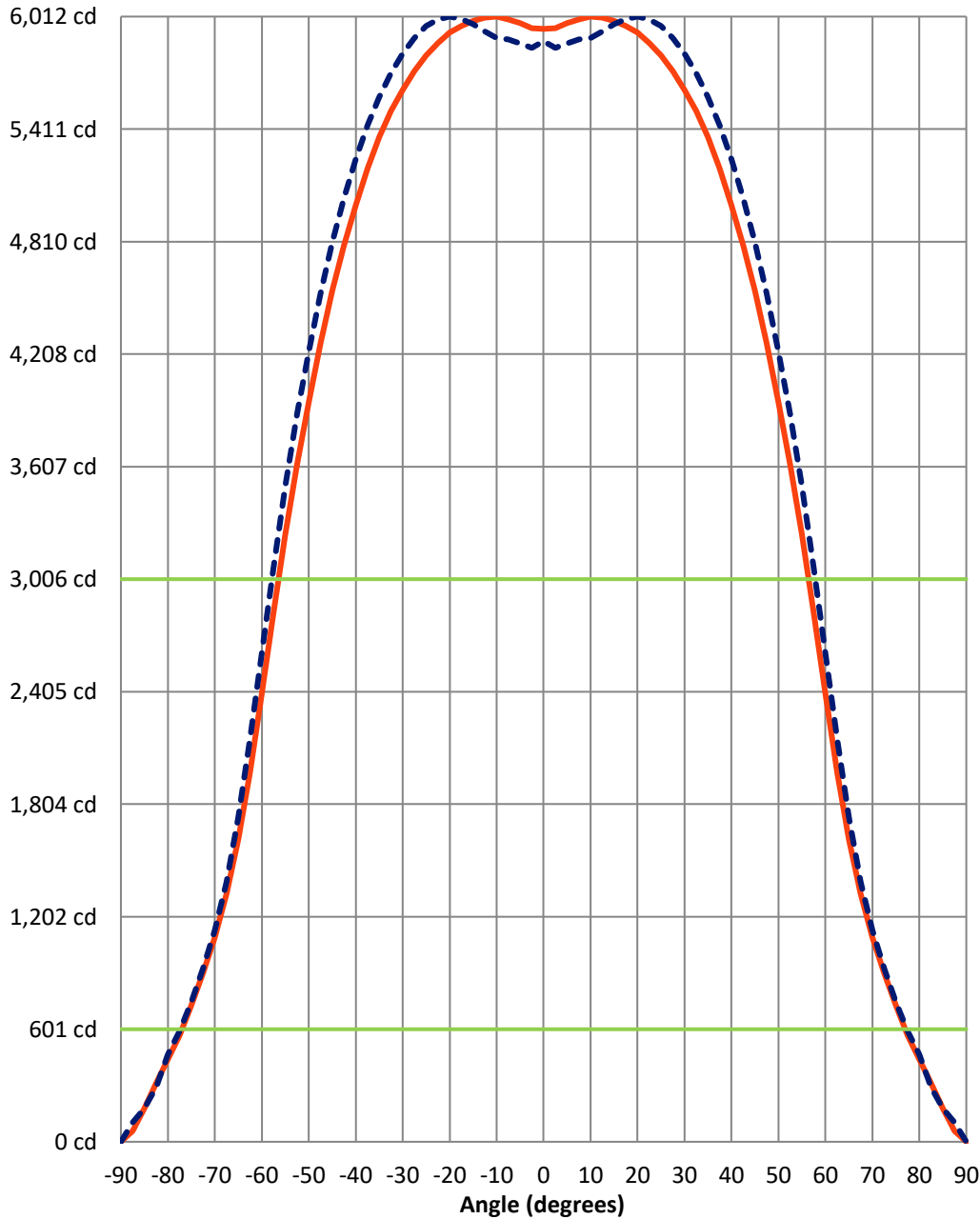
### Luminous Intensity Polar Plot



— Vertical Distribution Through 20-Deg    - - - Horizontal Distribution Through 10-Deg

REPORT NUMBER: P628479  
 CATALOG NUMBER: IFLD-S-SA6A-935-U-LAM

### Luminous Intensity Plot



**Beam:**  
 H Angle: 115.7°  
 V Angle: 112.9°  
 Lumens: 11317.7  
 Efficiency: 61.4%

**Field:**  
 H Angle: 154.7°  
 V Angle: 154°  
 Lumens: 13568  
 Efficiency: 73.6%

**Spill:**  
 Lumens: 4876.1  
 Efficiency: 26.4%

- Vertical Distribution through 20-Deg
- - - Horizontal Distribution through 10-Deg



REPORT NUMBER: P628479  
 CATALOG NUMBER: IFLD-S-SA6A-935-U-LAM

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°	48.5	52.4	54.3	56.3	58.2	60.2	62.1	60.2	58.2	58.2	56.3
85°	130.0	133.9	135.8	149.4	163.0	170.8	180.5	178.5	178.5	176.6	174.7
82.5°	260.0	271.7	281.4	295.0	302.7	314.4	322.1	316.3	312.4	304.7	298.9
80°	461.9	465.7	467.7	469.6	459.9	458.0	454.1	448.3	440.5	430.8	421.1
77.5°	588.0	591.9	595.8	591.9	589.9	588.0	582.2	576.4	568.6	560.8	549.2
75°	778.2	778.2	778.2	772.4	768.5	762.7	753.0	743.3	729.7	714.1	696.7
72.5°	980.0	978.1	976.1	964.5	954.8	943.1	929.6	917.9	902.4	884.9	861.6
70°	1191.5	1195.4	1197.4	1181.8	1170.2	1154.7	1137.2	1115.9	1092.6	1067.3	1034.3
67.5°	1482.6	1478.8	1474.9	1453.5	1438.0	1416.7	1391.4	1360.4	1325.4	1286.6	1240.1
65°	1843.6	1849.4	1837.8	1816.4	1787.3	1752.4	1713.6	1668.9	1616.5	1558.3	1492.3
62.5°	2280.2	2289.9	2276.3	2249.2	2212.3	2165.7	2111.4	2047.4	1975.5	1894.0	1812.5
60°	2777.0	2775.1	2749.9	2713.0	2664.5	2606.3	2546.1	2476.2	2394.7	2299.6	2200.7
57.5°	3233.1	3229.2	3198.1	3161.3	3112.8	3050.7	2986.6	2912.9	2827.5	2726.6	2612.1
55°	3642.5	3638.7	3607.6	3568.8	3518.3	3456.2	3398.0	3328.2	3244.7	3138.0	3015.7
52.5°	4005.4	4007.4	3980.2	3937.5	3883.2	3823.0	3766.7	3696.9	3617.3	3510.6	3392.2
50°	4339.2	4337.3	4308.2	4269.4	4218.9	4160.7	4104.4	4034.5	3951.1	3848.2	3733.7
47.5°	4649.7	4645.8	4612.8	4570.2	4517.8	4467.3	4414.9	4352.8	4265.5	4162.6	4048.1
45°	4909.8	4902.0	4869.0	4828.3	4777.8	4733.2	4686.6	4640.0	4546.9	4451.8	4343.1
42.5°	5132.9	5131.0	5098.0	5057.3	5006.8	4968.0	4925.3	4867.1	4789.4	4702.1	4595.4
40°	5346.4	5330.9	5297.9	5259.1	5212.5	5179.5	5136.8	5078.6	5002.9	4917.5	4814.7
37.5°	5505.5	5507.5	5472.5	5429.8	5389.1	5358.0	5319.2	5264.9	5198.9	5115.5	5012.6
35°	5656.9	5647.2	5618.1	5581.2	5544.3	5509.4	5468.7	5422.1	5367.7	5290.1	5193.1
32.5°	5755.9	5769.5	5734.5	5695.7	5674.4	5647.2	5604.5	5556.0	5507.5	5429.8	5342.5
30°	5864.5	5852.9	5825.7	5792.7	5777.2	5759.8	5722.9	5676.3	5620.0	5550.2	5468.7
27.5°	5940.2	5934.4	5901.4	5870.4	5862.6	5847.1	5818.0	5777.2	5720.9	5653.0	5577.3
25°	5973.2	5977.1	5946.1	5928.6	5928.6	5918.9	5895.6	5860.7	5804.4	5742.3	5668.5
22.5°	5988.7	5984.9	5963.5	5959.6	5969.3	5961.6	5951.9	5920.8	5870.4	5819.9	5757.8
20°	5998.5	5971.3	5951.9	5967.4	5979.0	5977.1	5969.3	5949.9	5926.6	5884.0	5829.6
17.5°	5977.1	5959.6	5936.4	5959.6	5984.9	5986.8	5979.0	5967.4	5961.6	5934.4	5885.9
15°	5924.7	5911.1	5915.0	5938.3	5967.4	5977.1	5982.9	5996.5	5988.7	5967.4	5924.7
12.5°	5889.8	5872.3	5889.8	5913.1	5928.6	5934.4	5981.0	6006.2	6006.2	5986.8	5959.6
10°	5880.1	5845.1	5868.4	5889.8	5897.5	5932.5	5971.3	5998.5	6012.0	5996.5	5961.6
7.5°	5860.7	5837.4	5847.1	5856.8	5901.4	5926.6	5948.0	5977.1	5996.5	5994.6	5963.5
5°	5851.0	5821.9	5825.7	5866.5	5897.5	5915.0	5922.8	5948.0	5977.1	5982.9	5959.6
2.5°	5825.7	5812.2	5841.3	5845.1	5868.4	5882.0	5889.8	5913.1	5949.9	5963.5	5953.8
0°	5812.2	5792.7	5773.3	5788.9	5827.7	5856.8	5868.4	5903.4	5946.1	5959.6	5938.3



REPORT NUMBER: P628479  
 CATALOG NUMBER: IFLD-S-SA6A-935-U-LAM

**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°	54.3	52.4	50.5	48.5	50.5	50.5	50.5	48.5	50.5	48.5	48.5
85°	168.8	161.1	155.2	147.5	139.7	133.9	126.1	118.4	116.4	114.5	110.6
82.5°	291.1	281.4	271.7	260.0	248.4	234.8	221.2	205.7	201.8	197.9	192.1
80°	409.5	395.9	382.3	368.7	357.1	343.5	328.0	310.5	298.9	289.2	277.5
77.5°	533.7	514.3	494.9	471.6	458.0	444.4	428.9	411.4	393.9	378.4	361.0
75°	675.3	654.0	634.6	611.3	586.1	560.8	535.6	512.3	487.1	463.8	440.5
72.5°	832.5	801.5	770.4	741.3	710.3	679.2	646.2	615.2	584.1	553.1	520.1
70°	997.5	958.7	919.9	881.0	840.3	799.5	760.7	721.9	683.1	642.3	605.5
67.5°	1191.5	1146.9	1096.4	1042.1	982.0	929.6	879.1	832.5	786.0	739.4	692.8
65°	1434.1	1372.0	1304.1	1230.4	1160.5	1090.6	1016.9	947.0	892.7	838.3	786.0
62.5°	1733.0	1645.6	1550.6	1455.5	1370.1	1278.9	1193.5	1102.3	1016.9	939.3	875.2
60°	2090.0	1971.7	1855.2	1733.0	1614.6	1490.4	1381.7	1269.2	1162.4	1067.3	974.2
57.5°	2484.0	2346.2	2206.5	2057.1	1896.0	1750.4	1603.0	1455.5	1329.3	1203.2	1098.4
55°	2883.8	2738.2	2581.0	2412.2	2235.6	2049.3	1849.4	1684.5	1511.7	1364.3	1228.4
52.5°	3264.1	3112.8	2949.7	2794.5	2583.0	2369.5	2150.2	1932.9	1731.0	1542.8	1377.8
50°	3603.7	3456.2	3299.1	3118.6	2922.6	2695.5	2451.0	2206.5	1967.8	1746.6	1540.9
47.5°	3914.2	3770.6	3613.4	3433.0	3254.4	3002.1	2755.7	2485.9	2220.1	1965.8	1725.2
45°	4205.3	4059.8	3896.8	3724.0	3518.3	3293.2	3039.0	2767.3	2482.1	2196.8	1919.3
42.5°	4469.2	4323.7	4158.7	3980.2	3776.4	3553.3	3306.8	3033.2	2746.0	2435.5	2130.8
40°	4700.2	4558.5	4399.4	4213.1	4022.9	3788.1	3545.5	3285.5	2988.6	2676.1	2340.4
37.5°	4902.0	4770.0	4612.8	4428.5	4226.7	4017.1	3766.7	3506.7	3238.9	2899.3	2555.8
35°	5080.5	4958.3	4797.2	4622.6	4424.6	4203.4	3968.6	3714.3	3425.2	3106.9	2773.1
32.5°	5235.8	5111.6	4964.1	4789.4	4597.3	4389.7	4149.0	3892.9	3619.3	3295.2	2932.3
30°	5367.7	5247.4	5107.7	4942.8	4758.4	4552.7	4317.9	4059.8	3780.3	3458.2	3099.2
27.5°	5482.2	5367.7	5231.9	5078.6	4902.0	4704.1	4467.3	4207.3	3922.0	3611.5	3252.5
25°	5581.2	5470.6	5344.5	5198.9	5024.3	4830.2	4607.0	4335.3	4050.1	3737.6	3382.5
22.5°	5670.5	5563.8	5437.6	5295.9	5136.8	4942.8	4717.6	4447.9	4158.7	3850.2	3500.9
20°	5750.1	5651.1	5526.9	5381.3	5222.2	5026.2	4803.0	4546.9	4255.8	3953.0	3607.6
17.5°	5814.1	5726.8	5602.6	5449.3	5290.1	5099.9	4882.6	4647.8	4339.2	4040.4	3696.9
15°	5858.7	5773.3	5660.8	5505.5	5350.3	5162.0	4944.7	4702.1	4414.9	4110.2	3770.6
12.5°	5889.8	5798.6	5693.8	5550.2	5394.9	5208.6	4997.1	4758.4	4478.9	4172.3	3834.7
10°	5897.5	5814.1	5709.3	5581.2	5429.8	5249.4	5041.7	4805.0	4531.3	4220.8	3887.1
7.5°	5901.4	5821.9	5726.8	5604.5	5455.1	5280.4	5074.7	4841.8	4570.2	4261.6	3925.9
5°	5899.5	5823.8	5738.4	5620.0	5470.6	5297.9	5096.1	4867.1	4597.3	4288.8	3955.0
2.5°	5893.7	5825.7	5746.2	5631.7	5488.1	5317.3	5117.4	4896.2	4626.4	4312.1	3978.3
0°	5909.2	5851.0	5750.1	5627.8	5491.9	5317.3	5115.5	4900.1	4630.3	4310.1	3976.3





REPORT NUMBER: P628479  
 CATALOG NUMBER: IFLD-S-SA6A-935-U-LAM

**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°	48.5	46.6	46.6	44.6	42.7	40.8	36.9	34.9	31.0	25.2	19.4
85°	104.8	99.0	93.1	89.3	85.4	81.5	75.7	69.9	62.1	50.5	38.8
82.5°	184.4	172.7	161.1	147.5	135.8	124.2	114.5	104.8	93.1	75.7	58.2
80°	263.9	246.5	229.0	209.6	192.1	172.7	155.2	139.7	124.2	100.9	77.6
77.5°	343.5	320.2	295.0	271.7	246.5	221.2	196.0	174.7	151.4	124.2	97.0
75°	417.2	390.1	366.8	333.8	302.7	269.7	236.8	207.6	178.5	145.5	116.4
72.5°	491.0	456.0	423.1	392.0	357.1	316.3	279.4	242.6	205.7	166.9	132.0
70°	564.7	522.0	481.3	444.4	405.6	364.8	320.2	277.5	232.9	186.3	145.5
67.5°	640.4	591.9	545.3	498.7	454.1	407.5	361.0	312.4	260.0	205.7	161.1
65°	723.9	663.7	607.4	555.0	502.6	452.2	399.8	347.4	289.2	227.1	174.7
62.5°	807.3	741.3	675.3	609.4	551.1	494.9	438.6	380.4	316.3	250.3	188.2
60°	896.6	820.9	745.2	671.5	599.7	537.6	475.5	413.4	345.4	271.7	201.8
57.5°	995.5	904.3	818.9	735.5	654.0	580.2	512.3	446.3	370.7	293.0	217.3
55°	1108.1	995.5	894.6	801.5	712.2	622.9	549.2	481.3	399.8	314.4	234.8
52.5°	1226.5	1096.4	974.2	869.4	774.3	673.4	584.1	508.4	428.9	335.7	250.3
50°	1364.3	1199.3	1063.5	935.4	828.6	723.9	621.0	539.5	458.0	361.0	265.9
47.5°	1505.9	1323.5	1152.7	1013.0	886.9	772.4	663.7	566.7	485.2	384.2	281.4
45°	1670.9	1441.9	1253.6	1088.7	943.1	822.8	706.4	595.8	508.4	407.5	296.9
42.5°	1830.0	1581.6	1358.4	1172.1	1007.2	871.3	745.2	626.8	531.7	430.8	310.5
40°	2018.2	1721.3	1459.3	1251.7	1071.2	917.9	784.0	659.8	553.1	452.2	324.1
37.5°	2198.7	1863.0	1581.6	1339.0	1133.3	964.5	822.8	690.9	572.5	473.5	341.5
35°	2377.3	2020.2	1698.0	1420.5	1197.4	1016.9	861.6	720.0	591.9	491.0	357.1
32.5°	2548.0	2167.7	1816.4	1511.7	1267.2	1065.4	896.6	747.1	611.3	506.5	372.6
30°	2707.2	2307.4	1932.9	1604.9	1331.3	1110.0	929.6	774.3	634.6	520.1	388.1
27.5°	2852.7	2443.2	2049.3	1692.2	1391.4	1150.8	964.5	799.5	654.0	533.7	401.7
25°	2984.7	2565.5	2156.0	1771.8	1445.8	1195.4	997.5	824.8	671.5	545.3	413.4
22.5°	3108.9	2678.1	2253.1	1851.3	1511.7	1240.1	1028.5	848.1	688.9	557.0	425.0
20°	3217.5	2780.9	2346.2	1930.9	1570.0	1280.8	1055.7	869.4	704.4	564.7	436.6
17.5°	3304.9	2872.1	2429.7	2000.8	1620.4	1315.7	1079.0	888.8	718.0	574.4	444.4
15°	3382.5	2949.7	2499.5	2060.9	1665.1	1344.8	1100.3	904.3	729.7	580.2	454.1
12.5°	3448.5	3015.7	2559.7	2113.3	1703.9	1370.1	1117.8	916.0	739.4	586.1	459.9
10°	3502.8	3068.1	2610.1	2154.1	1734.9	1389.5	1131.4	927.6	747.1	591.9	465.7
7.5°	3543.6	3106.9	2647.0	2189.0	1760.1	1403.1	1143.0	935.4	754.9	595.8	475.5
5°	3574.6	3139.9	2676.1	2212.3	1779.5	1422.5	1156.6	945.1	762.7	599.7	475.5
2.5°	3597.9	3167.1	2699.4	2231.7	1795.1	1418.6	1156.6	943.1	762.7	599.7	473.5
0°	3594.0	3169.0	2697.5	2231.7	1795.1	1414.7	1156.6	941.2	762.7	599.7	473.5



REPORT NUMBER: P628479  
 CATALOG NUMBER: IFLD-S-SA6A-935-U-LAM

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0
87.5°	13.6	9.7	3.9	0.0
85°	29.1	19.4	9.7	0.0
82.5°	42.7	27.2	13.6	0.0
80°	56.3	36.9	17.5	0.0
77.5°	71.8	46.6	23.3	0.0
75°	85.4	54.3	27.2	0.0
72.5°	99.0	64.0	31.0	0.0
70°	110.6	71.8	34.9	0.0
67.5°	122.3	81.5	40.8	0.0
65°	132.0	89.3	44.6	0.0
62.5°	139.7	99.0	48.5	0.0
60°	149.4	106.7	52.4	0.0
57.5°	157.2	112.6	56.3	0.0
55°	165.0	116.4	60.2	0.0
52.5°	172.7	122.3	64.0	0.0
50°	180.5	128.1	67.9	0.0
47.5°	188.2	132.0	69.9	0.0
45°	199.9	137.8	73.7	0.0
42.5°	209.6	141.7	77.6	0.0
40°	219.3	145.5	79.6	0.0
37.5°	229.0	149.4	83.4	0.0
35°	238.7	153.3	85.4	0.0
32.5°	246.5	157.2	87.3	0.0
30°	254.2	161.1	89.3	0.0
27.5°	262.0	163.0	91.2	0.0
25°	267.8	166.9	93.1	0.0
22.5°	273.6	168.8	95.1	0.0
20°	277.5	170.8	97.0	0.0
17.5°	283.3	172.7	99.0	0.0
15°	285.3	174.7	102.9	0.0
12.5°	289.2	176.6	102.9	0.0
10°	291.1	178.5	102.9	0.0
7.5°	295.0	178.5	102.9	0.0
5°	293.0	178.5	102.9	0.0
2.5°	293.0	178.5	102.9	0.0
0°	291.1	178.5	102.9	0.0

(END OF REPORT)