

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P565276

Luminaire Tested: **IFLD-L-SA8A-AMB-U-T3**

Issue Date: 09/02/2021

Test Information

Test Method: LM-79-08
Report Number: P565276
Test Lab: INNOVATION CENTER(G2)
Issue Date: 09/02/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8A-AMB-U-T3
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square
Luminaire w/ T3 distribution lens
Light Source: (128) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

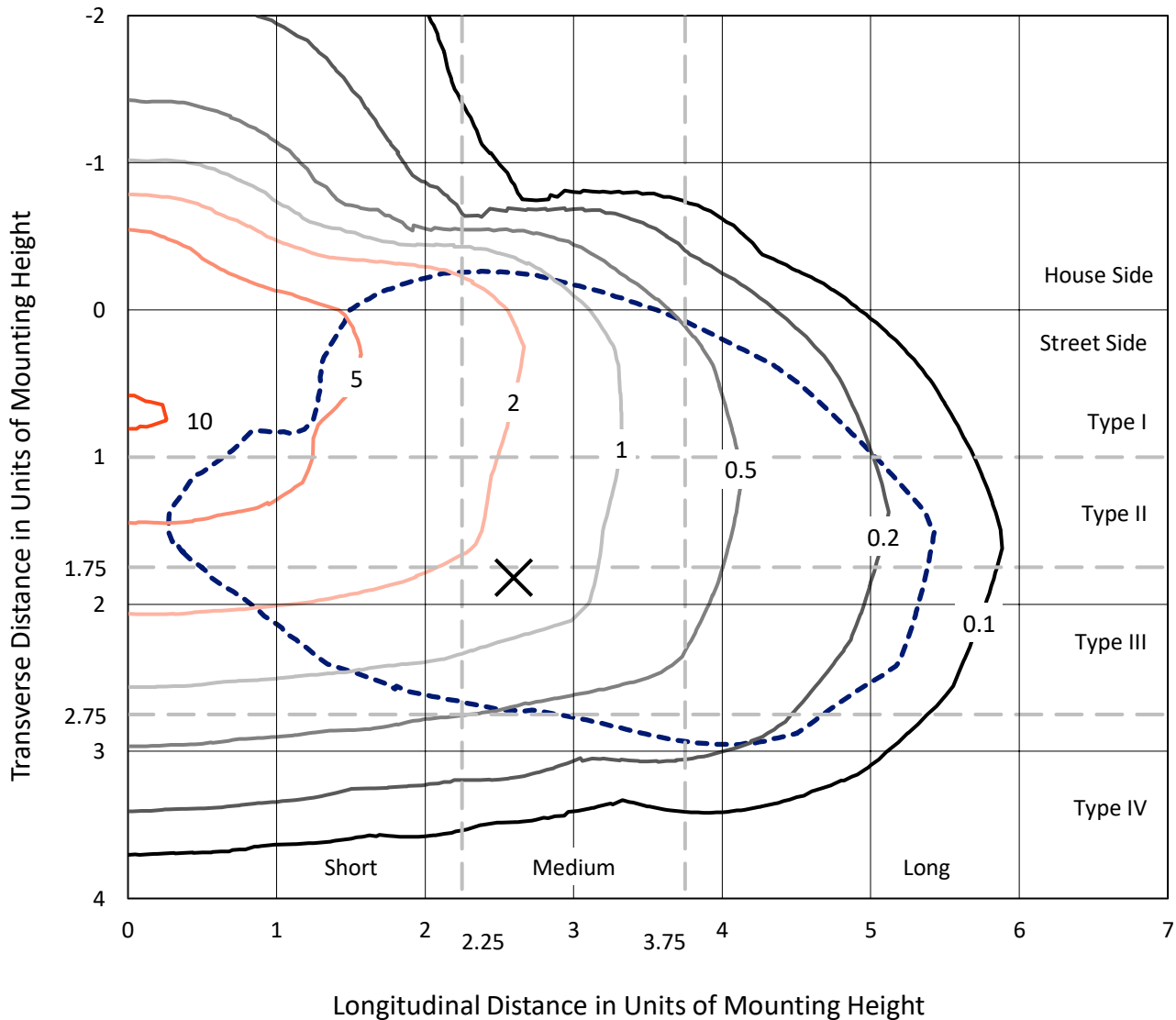
Lumens per Lamp: N/A
Luminaire Lumens: 8294.6 lumens
Efficiency: N/A
Efficacy: 51.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 160
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: 24 FT

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Iso-Footcandle Lines of Horizontal Illumination

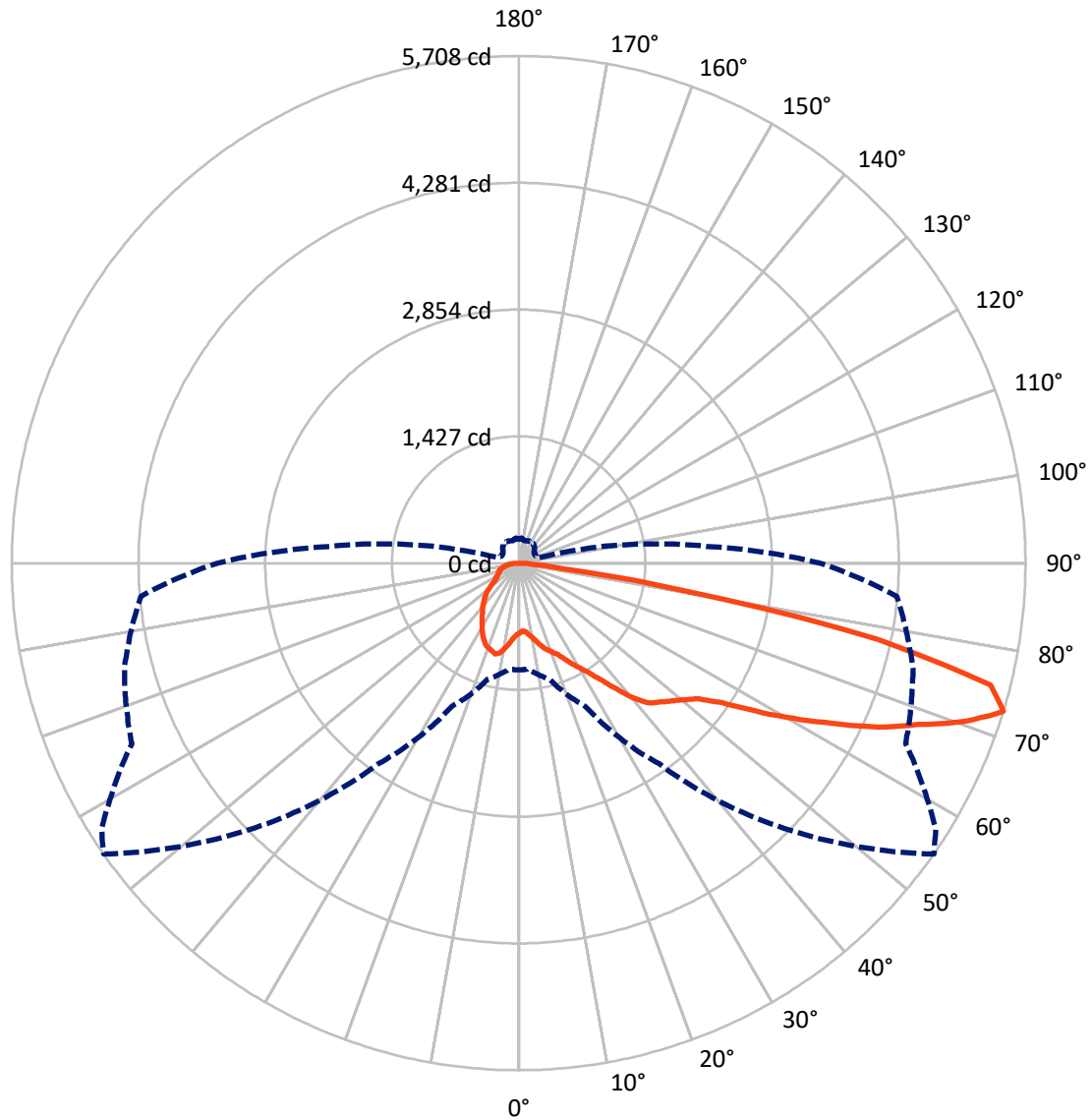
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.5 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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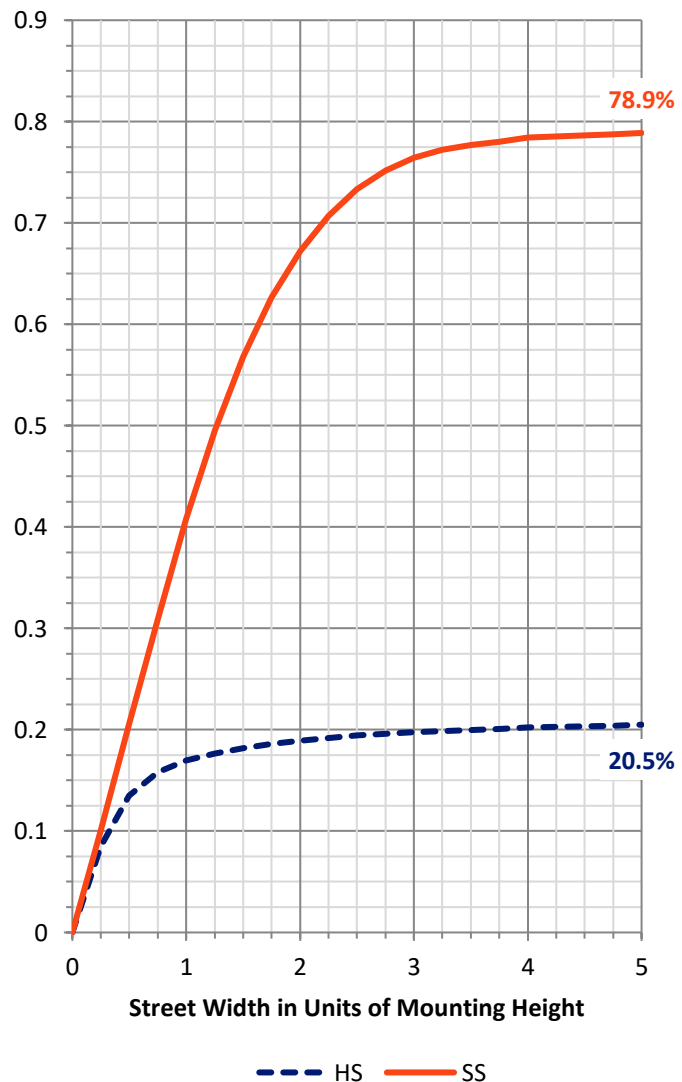
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1732.2	0.0	1732.2
	% Fixture	20.9	0.0	20.9
Street Side	Lumens	6562.4	0.0	6562.4
	% Fixture	79.1	0.0	79.1
Total	Lumens	8294.6	0.0	8294.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.4	1.0
10°-20°	283.7	3.4
20°-30°	508.8	6.1
30°-40°	768.7	9.3
40°-50°	1114.4	13.4
50°-60°	1601.6	19.3
60°-70°	2117.1	25.5
70°-80°	1597.6	19.3
80°-90°	221.2	2.7
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°-90°	8294.6	100.0
0°-180°	8294.6	100.0

Coefficient of Utilization

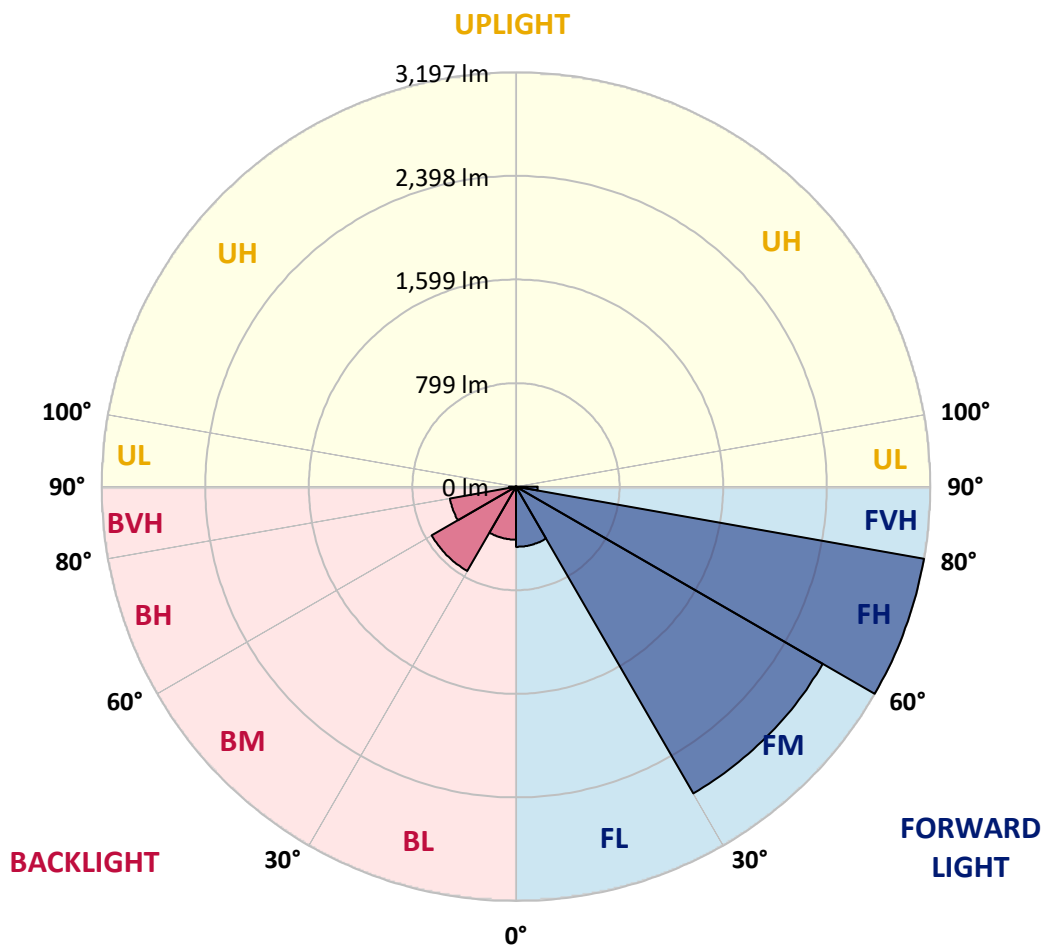


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	464.5	5.6			
FM (30°-60°)	2733.2	33.0			
FH (60°-80°)	3197.1	38.5			G2/5000
FVH (80°-90°)	167.6	2.0			G2/225
BL (0°-30°)	409.4	4.9	B1/500		
BM (30°-60°)	751.6	9.1	B1/1000		
BH (60°-80°)	517.6	6.2	B2/1000		G2/1000
BVH (80°-90°)	53.6	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57.5°	65°	75°	85°
0°	790.1	790.1	790.1	790.1	790.1	790.1	790.1	790.1	790.1	790.1	790.1
2.5°	743.6	756.3	756.3	756.3	760.5	764.7	764.7	768.9	785.8	781.6	794.3
5°	764.7	773.2	768.9	773.2	777.4	768.9	773.2	773.2	790.1	798.5	819.6
7.5°	790.1	802.7	794.3	811.2	807.0	807.0	811.2	807.0	807.0	819.6	853.4
10°	857.7	861.9	857.7	853.4	845.0	849.2	853.4	853.4	861.9	866.1	887.2
12.5°	912.6	921.0	925.3	908.4	899.9	899.9	908.4	908.4	925.3	929.5	942.2
15°	975.9	975.9	975.9	963.3	963.3	946.4	971.7	971.7	980.2	988.6	997.1
17.5°	1030.9	1022.4	1022.4	1001.3	1001.3	1005.5	1022.4	1022.4	1043.5	1043.5	1056.2
20°	1077.3	1073.1	1073.1	1047.8	1030.9	1043.5	1064.7	1077.3	1115.4	1119.6	1111.1
22.5°	1153.4	1157.6	1153.4	1106.9	1090.0	1081.6	1115.4	1123.8	1187.2	1195.6	1170.3
25°	1263.2	1271.7	1254.8	1195.6	1166.1	1140.7	1191.4	1199.9	1254.8	1254.8	1237.9
27.5°	1364.6	1381.5	1356.2	1309.7	1259.0	1229.4	1284.4	1297.0	1360.4	1356.2	1271.7
30°	1512.5	1495.6	1478.7	1470.3	1419.6	1360.4	1373.1	1394.2	1428.0	1436.5	1343.5
32.5°	1728.0	1690.0	1656.2	1618.1	1571.7	1516.7	1482.9	1491.4	1542.1	1487.2	1385.8
35°	1930.8	1892.8	1859.0	1808.3	1728.0	1677.3	1622.4	1630.8	1635.0	1601.2	1432.2
37.5°	2087.1	2066.0	2053.3	1973.0	1913.9	1842.1	1804.0	1804.0	1749.1	1639.3	1512.5
40°	2175.8	2205.4	2209.6	2120.9	2108.2	2002.6	2002.6	1985.7	1871.6	1702.6	1550.5
42.5°	2243.4	2264.5	2298.3	2256.1	2256.1	2209.6	2154.7	2116.7	1943.4	1799.8	1656.2
45°	2361.7	2370.2	2420.9	2433.5	2391.3	2412.4	2230.7	2150.5	1998.4	1939.2	1799.8
47.5°	2492.7	2505.4	2611.0	2636.3	2581.4	2598.3	2315.2	2201.2	2116.7	2116.7	1977.2
50°	2602.5	2611.0	2754.6	2805.3	2830.7	2868.7	2416.6	2302.6	2247.6	2374.4	2192.7
52.5°	2665.9	2661.7	2796.9	2923.6	3058.8	3130.6	2534.9	2480.0	2505.4	2682.8	2475.8
55°	2691.3	2733.5	2877.2	2995.4	3265.8	3303.9	2767.3	2716.6	2839.1	3058.8	2796.9
57.5°	2771.5	2708.2	2910.9	3071.5	3401.0	3510.9	3139.1	3088.4	3172.9	3379.9	3130.6
60°	2703.9	2691.3	2822.2	3118.0	3565.8	3696.8	3544.7	3519.3	3574.3	3679.9	3553.1
62.5°	2522.3	2573.0	2746.2	3063.0	3578.5	3946.0	3967.2	4009.4	3967.2	4093.9	4034.8
65°	2344.8	2374.4	2518.0	2927.8	3548.9	4089.7	4453.0	4469.9	4326.3	4419.2	4529.1
67.5°	2213.8	2226.5	2374.4	2771.5	3464.4	4262.9	4846.0	4807.9	4596.7	4630.5	4719.2
70°	1913.9	1939.2	2049.1	2480.0	3320.8	4453.0	5340.3	5310.7	4757.2	4600.9	4655.8
72.5°	1204.1	1195.6	1356.2	1778.7	2758.9	4216.4	5707.8	5568.4	4807.9	4596.7	4271.4
75°	523.9	519.7	604.2	807.0	1512.5	3118.0	5488.1	5572.6	4972.7	4617.8	3671.4
77.5°	185.9	185.9	223.9	308.4	545.0	1301.3	4136.2	4512.2	4465.7	4123.5	2661.7
80°	114.1	114.1	147.9	177.4	228.1	354.9	1913.9	2289.9	2872.9	2771.5	1449.1
82.5°	76.0	76.0	109.8	122.5	152.1	160.5	494.3	667.5	1115.4	1318.2	587.3
85°	67.6	63.4	76.0	80.3	97.2	84.5	156.3	177.4	359.1	490.1	147.9
87.5°	21.1	21.1	46.5	42.2	46.5	29.6	67.6	80.3	92.9	143.6	42.2
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	790.1	790.1	790.1	790.1	790.1	790.1	790.1	790.1	790.1	790.1	790.1
2.5°	811.2	798.5	815.4	815.4	811.2	823.9	832.3	832.3	828.1	832.3	832.3
5°	823.9	828.1	845.0	849.2	857.7	861.9	870.3	883.0	891.5	887.2	891.5
7.5°	853.4	861.9	883.0	895.7	916.8	925.3	929.5	942.2	950.6	942.2	937.9
10°	908.4	912.6	933.7	963.3	980.2	980.2	984.4	971.7	971.7	975.9	975.9
12.5°	950.6	980.2	1005.5	1022.4	1035.1	1018.2	997.1	992.8	971.7	984.4	988.6
15°	1001.3	1018.2	1052.0	1077.3	1056.2	1018.2	1009.7	1001.3	992.8	997.1	997.1
17.5°	1064.7	1068.9	1111.1	1090.0	1030.9	1018.2	1009.7	1014.0	1005.5	1005.5	997.1
20°	1102.7	1140.7	1144.9	1085.8	1014.0	988.6	988.6	988.6	1001.3	992.8	984.4
22.5°	1153.4	1166.1	1166.1	1039.3	992.8	967.5	967.5	967.5	959.1	946.4	950.6
25°	1208.3	1195.6	1140.7	1005.5	942.2	929.5	899.9	891.5	887.2	891.5	883.0
27.5°	1271.7	1242.1	1128.0	959.1	895.7	870.3	832.3	802.7	785.8	785.8	781.6
30°	1292.8	1275.9	1090.0	908.4	836.5	790.1	730.9	688.7	650.6	646.4	646.4
32.5°	1339.3	1292.8	1064.7	883.0	781.6	692.9	621.1	578.8	557.7	561.9	570.4
35°	1377.3	1318.2	1060.4	840.8	722.5	616.8	545.0	519.7	502.8	485.9	490.1
37.5°	1440.7	1356.2	1043.5	815.4	676.0	557.7	498.5	469.0	439.4	414.0	414.0
40°	1487.2	1411.1	1039.3	785.8	633.7	511.2	469.0	435.2	392.9	363.3	363.3
42.5°	1571.7	1461.8	1018.2	752.0	587.3	485.9	435.2	397.1	342.2	312.6	312.6
45°	1723.8	1550.5	1005.5	697.1	540.8	452.1	401.4	346.4	316.9	287.3	291.5
47.5°	1888.5	1685.7	1001.3	659.1	494.3	414.0	346.4	325.3	295.7	274.6	274.6
50°	2074.4	1850.5	992.8	595.7	435.2	367.6	316.9	300.0	278.8	266.2	266.2
52.5°	2319.5	1960.3	984.4	528.1	371.8	325.3	304.2	287.3	274.6	261.9	261.9
55°	2632.1	2192.7	971.7	430.9	325.3	312.6	291.5	278.8	274.6	257.7	261.9
57.5°	2999.7	2408.2	925.3	354.9	300.0	300.0	291.5	287.3	283.1	266.2	266.2
60°	3417.9	2716.6	823.9	304.2	278.8	291.5	291.5	283.1	283.1	274.6	266.2
62.5°	3946.0	3050.4	604.2	278.8	261.9	270.4	283.1	274.6	270.4	278.8	274.6
65°	4309.4	3299.6	422.5	253.5	245.0	257.7	274.6	274.6	270.4	300.0	300.0
67.5°	4229.1	3172.9	316.9	232.4	236.6	249.3	287.3	291.5	274.6	316.9	316.9
70°	3988.3	2818.0	253.5	219.7	228.1	283.1	291.5	278.8	266.2	304.2	295.7
72.5°	3401.0	2137.8	232.4	207.0	211.2	253.5	278.8	274.6	261.9	283.1	266.2
75°	2581.4	1356.2	207.0	185.9	185.9	219.7	270.4	261.9	236.6	236.6	232.4
77.5°	1613.9	680.2	169.0	169.0	164.8	190.1	245.0	240.8	211.2	207.0	202.8
80°	756.3	321.1	139.4	143.6	139.4	160.5	207.0	202.8	181.7	173.2	169.0
82.5°	308.4	160.5	122.5	126.7	114.1	131.0	173.2	169.0	152.1	147.9	131.0
85°	114.1	97.2	97.2	97.2	84.5	88.7	118.3	118.3	97.2	80.3	80.3
87.5°	42.2	50.7	59.1	63.4	38.0	38.0	59.1	63.4	46.5	29.6	29.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)