

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: P565289

Luminaire Tested: **IFLD-S-SA6A-AMB-U-T4FT**

Issue Date: 09/02/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P565289  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 09/02/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6A-AMB-U-T4FT  
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square  
Luminaire w/ T4FT distribution lens  
Light Source: (96) AMB CCT, -- CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

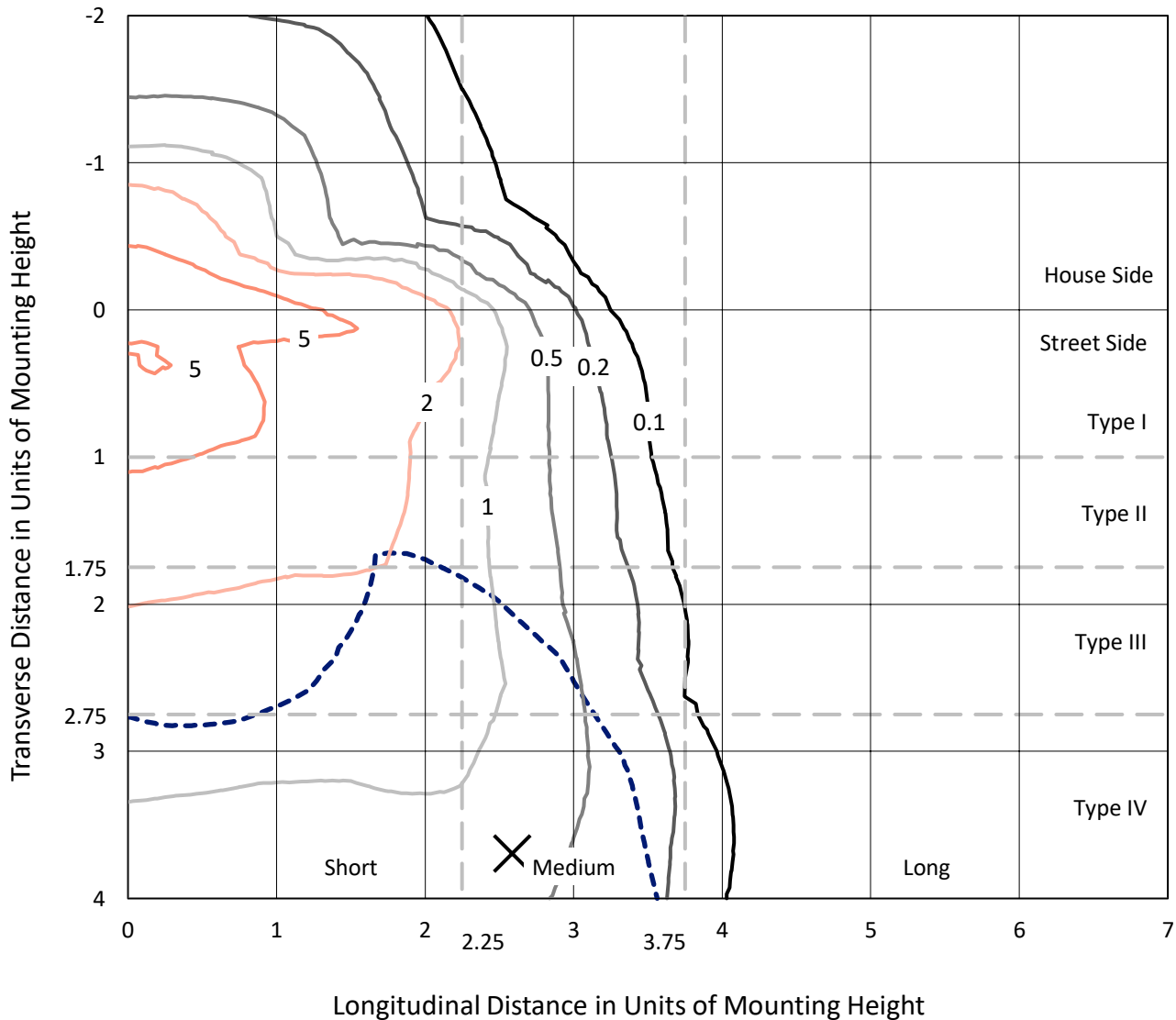
Lumens per Lamp: N/A  
Luminaire Lumens: 6573.2 lumens  
Efficiency: N/A  
Efficacy: 53.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 122.4  
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

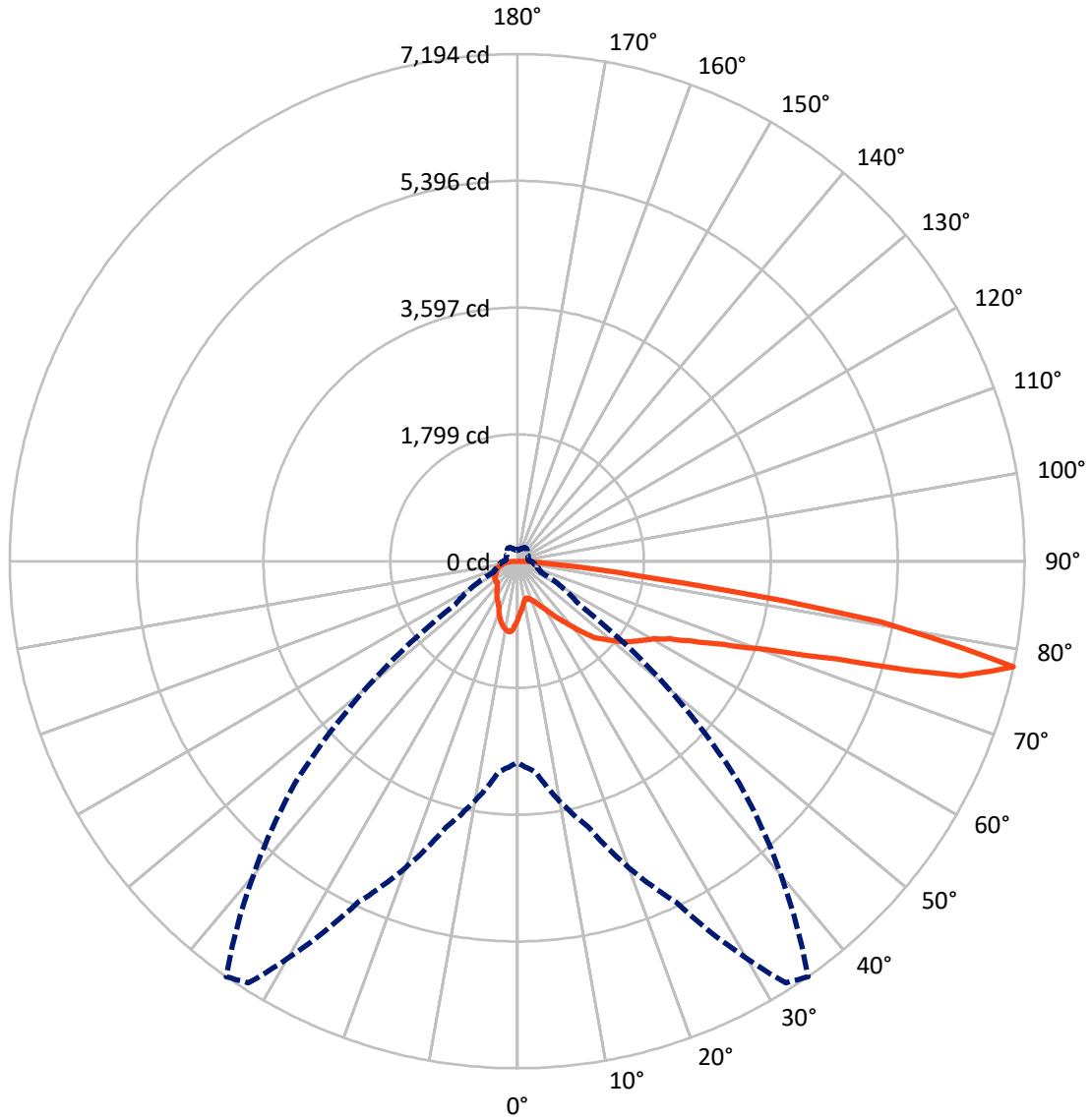
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.7 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 77.5-Deg Vertical

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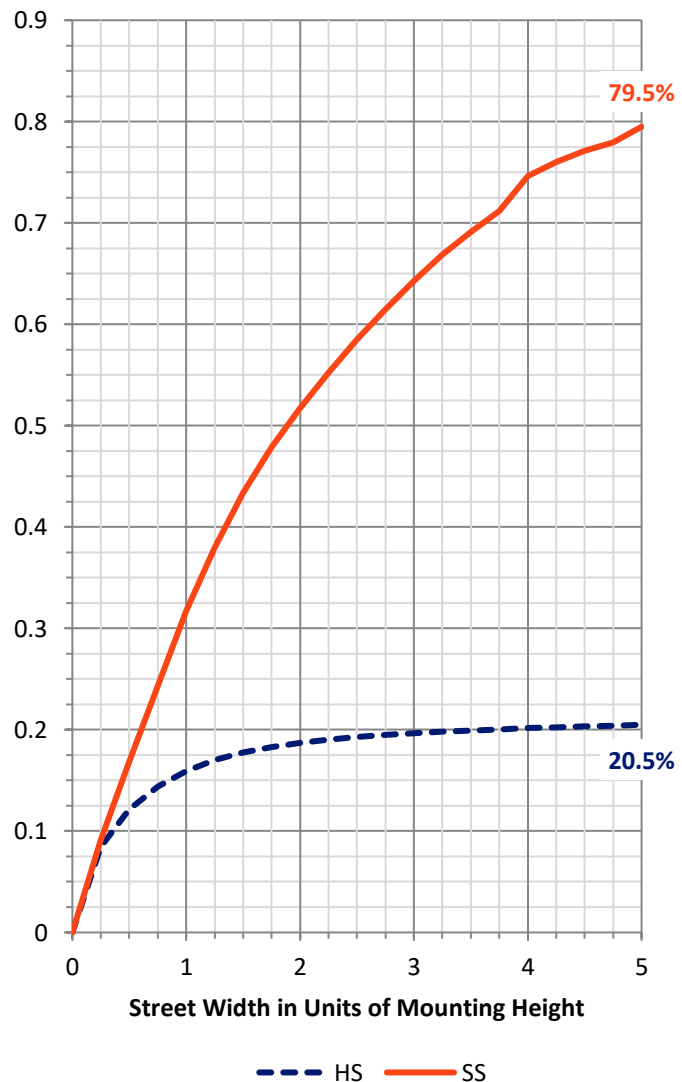
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1372.0	0.0	1372.0
	% Fixture	20.9	0.0	20.9
<b>Street Side</b>	Lumens	5201.2	0.0	5201.2
	% Fixture	79.1	0.0	79.1
<b>Total</b>	Lumens	6573.2	0.0	6573.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	78.6	1.2
10°-20°	221.8	3.4
20°-30°	360.4	5.5
30°-40°	537.3	8.2
40°-50°	798.8	12.2
50°-60°	1164.4	17.7
60°-70°	1551.2	23.6
70°-80°	1635.5	24.9
80°-90°	225.2	3.4
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°	6573.2	100.0
0°-180°	6573.2	100.0

**Coefficient of Utilization**

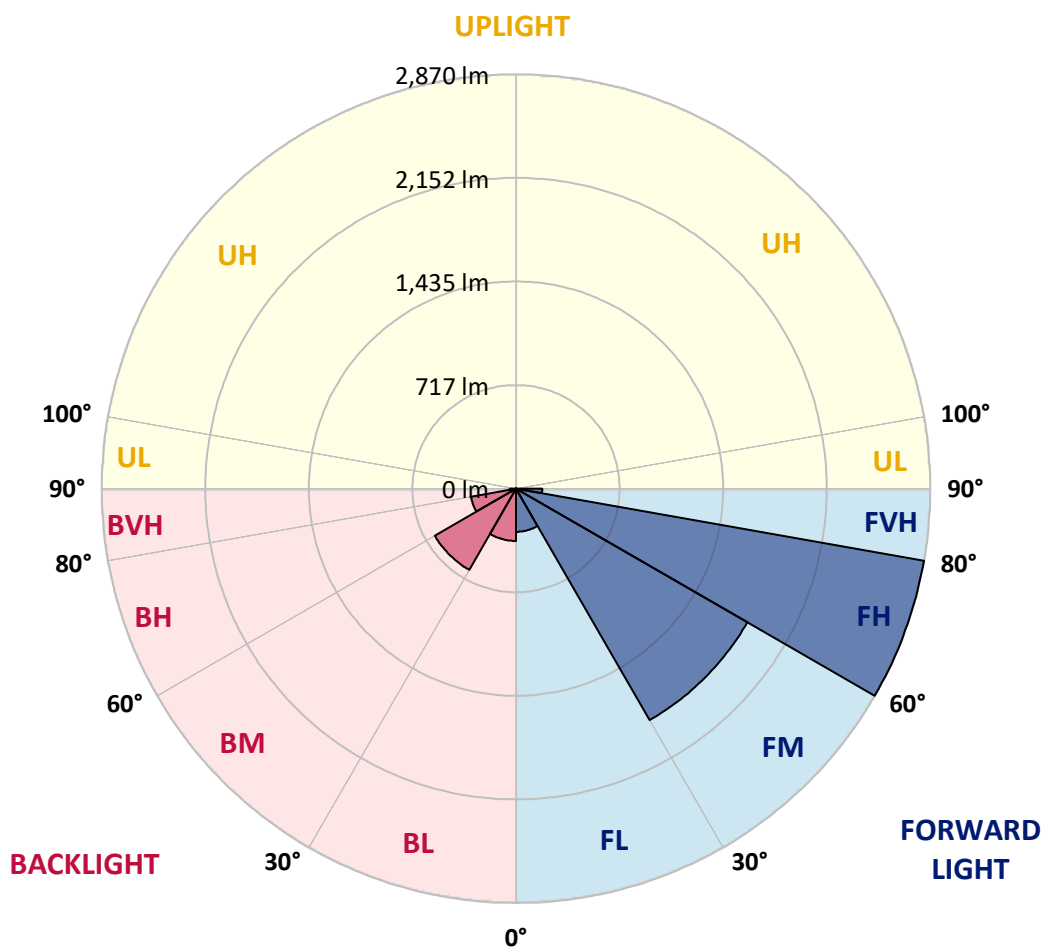


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	298.7	4.5			
FM (30°-60°)	1850.8	28.2			
FH (60°-80°)	2869.9	43.7			G2/5000
FVH (80°-90°)	181.7	2.8			G2/225
BL (0°-30°)	362.1	5.5	B1/500		
BM (30°-60°)	649.7	9.9	B1/1000		
BH (60°-80°)	316.7	4.8	B1/500		G1/500
BVH (80°-90°)	43.5	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**  
 Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	32.5°	35°	45°	55°	65°	75°	85°
0°	828.2	828.2	828.2	828.2	828.2	828.2	828.2	828.2	828.2	828.2	828.2
2.5°	738.4	731.7	735.1	745.0	748.4	748.4	761.7	775.0	791.6	801.6	828.2
5°	641.9	651.9	651.9	675.2	688.5	685.2	698.5	731.7	755.0	791.6	828.2
7.5°	562.1	568.8	572.1	592.0	608.7	618.7	648.6	688.5	725.1	775.0	821.6
10°	522.2	518.9	522.2	532.2	552.1	565.4	602.0	651.9	705.1	768.3	828.2
12.5°	512.2	518.9	508.9	515.5	528.9	538.8	572.1	635.3	688.5	765.0	851.5
15°	542.2	542.2	522.2	528.9	538.8	545.5	578.7	628.6	691.8	771.7	874.8
17.5°	578.7	578.7	552.1	548.8	555.5	568.8	595.4	632.0	695.2	778.3	881.4
20°	628.6	622.0	582.1	572.1	582.1	585.4	618.7	658.6	708.5	788.3	908.0
22.5°	688.5	675.2	618.7	605.4	615.3	622.0	651.9	681.9	711.8	781.6	928.0
25°	758.4	741.7	681.9	661.9	668.5	668.5	681.9	711.8	725.1	788.3	951.3
27.5°	834.9	821.6	771.7	728.4	718.4	725.1	731.7	745.0	761.7	821.6	997.8
30°	938.0	934.6	878.1	811.6	801.6	794.9	785.0	798.3	804.9	848.2	1057.7
32.5°	1044.4	1027.8	981.2	914.7	898.1	884.7	861.5	878.1	868.1	888.1	1107.6
35°	1124.2	1107.6	1071.0	1034.4	1007.8	991.2	951.3	967.9	938.0	928.0	1187.4
37.5°	1230.7	1234.0	1204.1	1157.5	1110.9	1104.3	1061.0	1054.4	1014.5	1001.2	1297.2
40°	1340.4	1353.7	1310.5	1293.9	1230.7	1230.7	1210.7	1184.1	1117.6	1074.3	1416.9
42.5°	1513.4	1463.5	1420.3	1416.9	1406.9	1390.3	1377.0	1327.1	1227.3	1174.1	1603.2
45°	1619.8	1579.9	1513.4	1520.0	1543.3	1550.0	1556.6	1493.4	1340.4	1280.6	1759.5
47.5°	1639.8	1643.1	1603.2	1623.1	1619.8	1656.4	1746.2	1646.4	1496.8	1413.6	1899.2
50°	1679.7	1663.1	1689.7	1739.6	1756.2	1776.1	1925.8	1832.7	1666.4	1559.9	2105.4
52.5°	1746.2	1726.3	1756.2	1832.7	1875.9	1899.2	2062.2	1999.0	1842.7	1722.9	2414.8
55°	1779.5	1769.5	1816.1	1892.6	1982.4	2009.0	2191.9	2228.5	2055.5	1922.5	2803.9
57.5°	1806.1	1806.1	1929.1	2005.6	2088.8	2112.1	2338.3	2441.4	2208.5	2198.6	3233.0
60°	1925.8	1895.9	2028.9	2098.8	2191.9	2235.1	2604.3	2687.5	2338.3	2404.8	3572.2
62.5°	2115.4	2085.5	2122.1	2255.1	2378.2	2424.7	2903.7	2860.5	2448.0	2571.1	3608.8
65°	2484.6	2441.4	2388.2	2438.0	2601.0	2734.1	3243.0	3040.1	2511.2	2544.5	3342.7
67.5°	2956.9	2943.6	2817.2	2750.7	3046.7	3149.8	3652.1	3199.7	2421.4	2334.9	2571.1
70°	3542.3	3435.9	3306.2	3322.8	3668.7	3751.9	4104.4	3106.6	2205.2	1839.3	1500.1
72.5°	4127.7	4041.2	4027.9	4164.3	4656.6	4739.7	4719.8	2996.8	1746.2	1044.4	605.4
75°	4477.0	4433.7	4596.7	5301.8	6332.9	6499.2	5308.5	2398.1	918.0	432.4	302.7
77.5°	2853.8	3000.2	3908.2	5341.7	7094.6	7194.4	4453.7	1071.0	375.9	276.1	226.2
80°	482.3	532.2	951.3	2660.9	5072.3	5222.0	1942.5	355.9	249.5	226.2	179.6
82.5°	149.7	156.3	256.1	595.4	1530.0	1706.3	422.4	209.5	189.6	173.0	129.7
85°	63.2	66.5	119.7	192.9	335.9	362.5	143.0	123.1	136.4	113.1	76.5
87.5°	20.0	23.3	49.9	76.5	126.4	126.4	56.5	53.2	69.8	59.9	33.3
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°	828.2	828.2	828.2	828.2	828.2	828.2	828.2	828.2	828.2	828.2	828.2
2.5°	841.5	848.2	858.1	884.7	891.4	914.7	914.7	918.0	931.3	918.0	938.0
5°	838.2	871.4	901.4	938.0	954.6	977.9	994.5	981.2	991.2	987.9	1004.5
7.5°	844.8	888.1	947.9	977.9	1007.8	1011.1	1007.8	987.9	987.9	981.2	994.5
10°	871.4	921.3	977.9	1014.5	1014.5	1001.2	984.5	957.9	954.6	941.3	951.3
12.5°	911.4	944.6	1031.1	1037.7	1004.5	991.2	944.6	914.7	911.4	871.4	881.4
15°	928.0	977.9	1051.1	1037.7	1007.8	957.9	898.1	864.8	824.9	801.6	811.6
17.5°	957.9	1014.5	1074.3	1031.1	981.2	918.0	838.2	788.3	751.7	725.1	731.7
20°	974.6	1061.0	1074.3	1021.1	954.6	848.2	771.7	711.8	685.2	665.2	665.2
22.5°	1007.8	1094.3	1087.6	1001.2	911.4	788.3	695.2	661.9	651.9	648.6	645.3
25°	1074.3	1130.9	1071.0	967.9	824.9	705.1	651.9	638.6	645.3	641.9	645.3
27.5°	1134.2	1170.8	1067.7	908.0	725.1	622.0	615.3	632.0	632.0	635.3	635.3
30°	1180.8	1210.7	1044.4	818.2	608.7	565.4	585.4	608.7	622.0	622.0	618.7
32.5°	1253.9	1247.3	1007.8	718.4	532.2	522.2	545.5	582.1	602.0	602.0	598.7
35°	1330.4	1303.8	961.2	615.3	485.6	488.9	502.2	535.5	555.5	568.8	568.8
37.5°	1443.5	1350.4	914.7	512.2	455.7	452.4	469.0	488.9	502.2	505.6	512.2
40°	1573.3	1433.6	818.2	452.4	432.4	432.4	445.7	449.0	445.7	442.4	452.4
42.5°	1736.2	1483.4	698.5	402.5	409.1	415.8	422.4	412.4	405.8	402.5	405.8
45°	1822.7	1503.4	582.1	372.5	379.2	412.4	412.4	405.8	389.2	369.2	362.5
47.5°	1895.9	1483.4	475.6	339.3	365.9	415.8	412.4	392.5	369.2	339.3	335.9
50°	2015.6	1493.4	399.1	319.3	359.2	422.4	405.8	372.5	352.6	316.0	316.0
52.5°	2191.9	1579.9	349.2	302.7	355.9	422.4	402.5	359.2	329.3	296.0	296.0
55°	2524.5	1726.3	306.0	292.7	345.9	412.4	392.5	345.9	299.4	269.4	269.4
57.5°	2850.5	1885.9	289.4	286.0	332.6	385.8	375.9	319.3	282.7	266.1	256.1
60°	3106.6	1875.9	269.4	276.1	309.3	362.5	345.9	299.4	269.4	256.1	252.8
62.5°	3093.3	1679.7	262.8	266.1	289.4	335.9	332.6	286.0	262.8	246.1	246.1
65°	2754.0	1293.9	246.1	256.1	269.4	316.0	326.0	279.4	249.5	242.8	239.5
67.5°	2015.6	818.2	236.2	242.8	252.8	296.0	316.0	266.1	239.5	232.8	232.8
70°	1074.3	459.0	222.8	229.5	239.5	279.4	299.4	259.4	222.8	226.2	222.8
72.5°	419.1	269.4	202.9	216.2	216.2	252.8	276.1	242.8	209.5	199.6	189.6
75°	246.1	202.9	179.6	189.6	196.2	226.2	249.5	222.8	189.6	173.0	166.3
77.5°	192.9	163.0	156.3	173.0	173.0	202.9	226.2	206.2	176.3	159.7	153.0
80°	149.7	126.4	133.0	146.3	146.3	189.6	212.9	179.6	146.3	133.0	126.4
82.5°	106.4	93.1	106.4	116.4	109.8	153.0	186.3	146.3	116.4	106.4	83.2
85°	59.9	59.9	76.5	73.2	73.2	96.5	126.4	96.5	69.8	56.5	53.2
87.5°	23.3	26.6	33.3	29.9	29.9	46.6	56.5	36.6	29.9	23.3	16.6
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)