

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: P565283

Luminaire Tested: **IFLD-L-SA7A-AMB-U-T3R**

Issue Date: 09/02/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P565283  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 09/02/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7A-AMB-U-T3R  
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square  
Luminaire w/ T3R distribution lens  
Light Source: (112) AMB CCT, -- CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

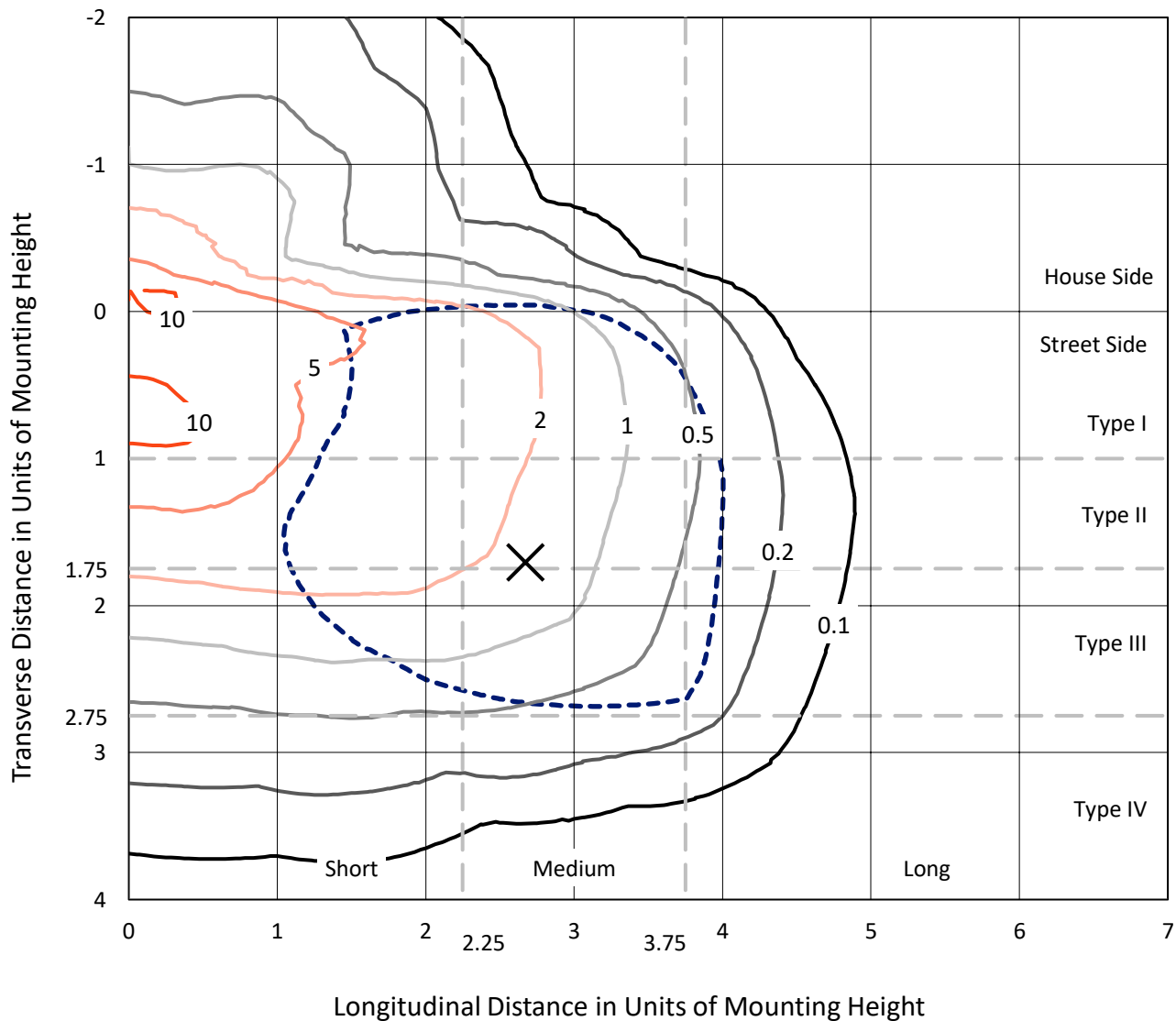
Lumens per Lamp: N/A  
Luminaire Lumens: 7309.2 lumens  
Efficiency: N/A  
Efficacy: 52.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 140.5  
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

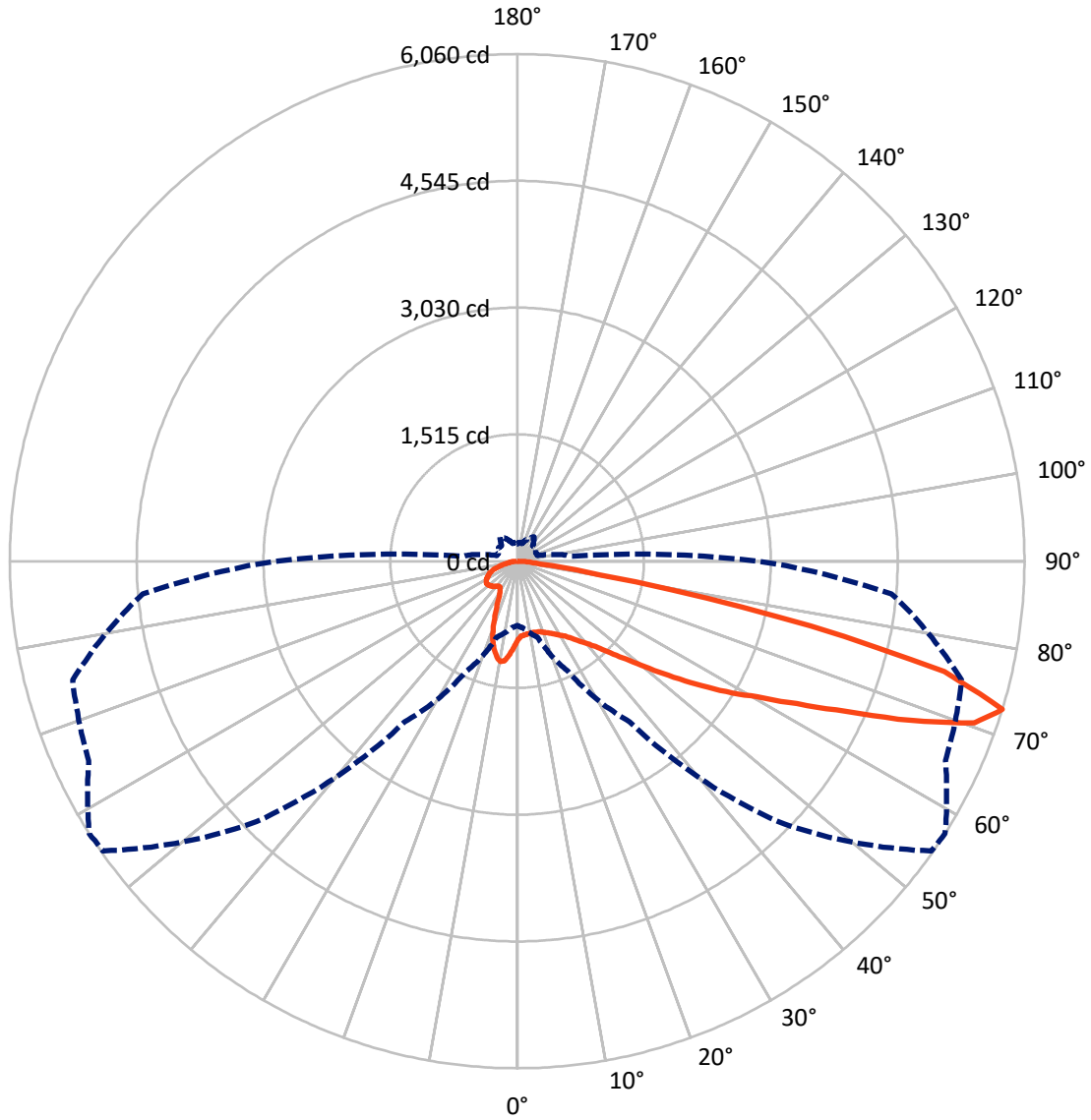
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.3 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57.5-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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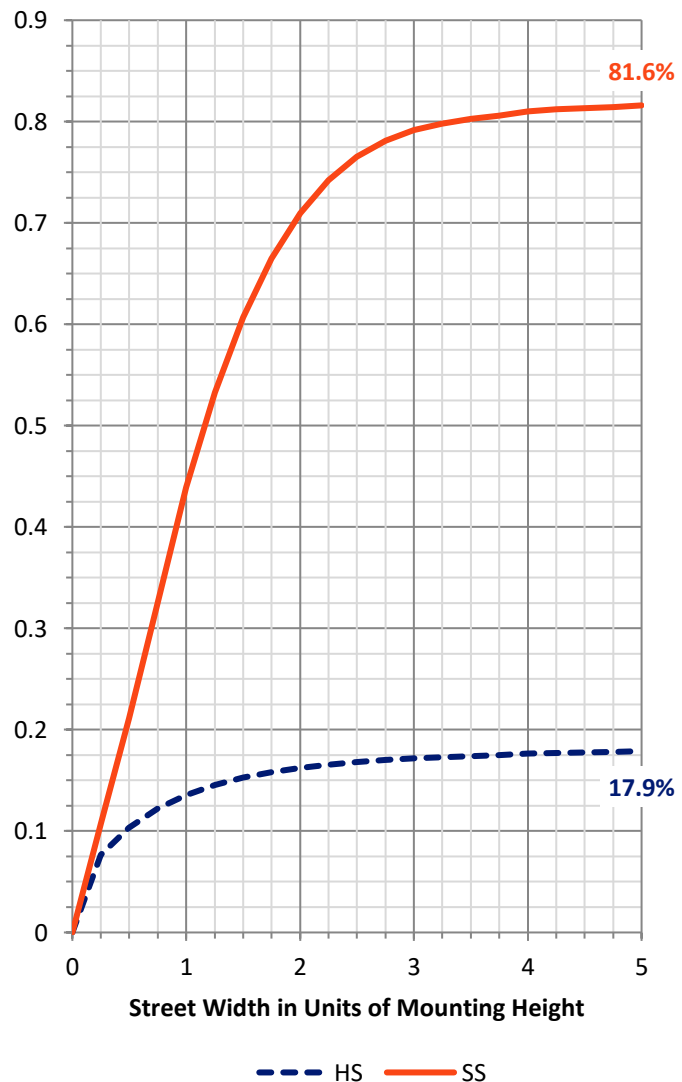
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1322.8	0.0	1322.8
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	5986.4	0.0	5986.4
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	7309.2	0.0	7309.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	93.3	1.3
10°-20°	260.3	3.6
20°-30°	433.7	5.9
30°-40°	676.3	9.3
40°-50°	1013.6	13.9
50°-60°	1387.9	19.0
60°-70°	1922.6	26.3
70°-80°	1409.0	19.3
80°-90°	112.6	1.5
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°	7309.2	100.0
0°-180°	7309.2	100.0

**Coefficient of Utilization**

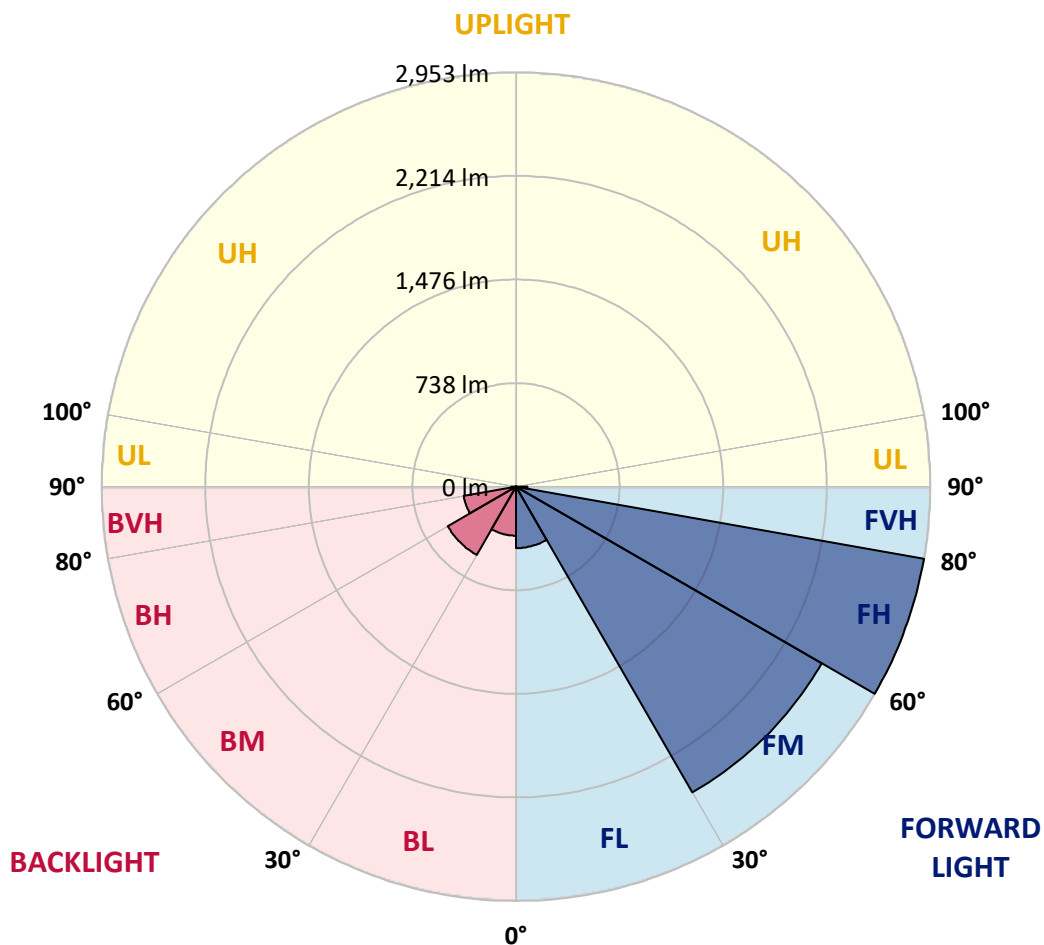


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	437.9	6.0			
FM (30°-60°)	2515.8	34.4			
FH (60°-80°)	2952.6	40.4			G2/5000
FVH (80°-90°)	80.1	1.1			G1/100
BL (0°-30°)	349.4	4.8	B1/500		
BM (30°-60°)	562.0	7.7	B1/1000		
BH (60°-80°)	379.0	5.2	B1/500		G1/500
BVH (80°-90°)	32.5	0.4			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 III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57.5°	65°	75°	85°
0°	939.7	939.7	939.7	939.7	939.7	939.7	939.7	939.7	939.7	939.7	939.7
2.5°	861.6	865.2	865.2	872.3	879.4	886.5	897.1	897.1	907.7	925.5	943.2
5°	808.5	815.6	819.1	833.3	843.9	861.6	882.9	886.5	900.7	925.5	964.5
7.5°	748.2	751.7	758.8	776.5	801.4	836.8	875.8	879.4	911.3	950.3	999.9
10°	709.2	712.7	712.7	726.9	758.8	808.5	865.2	875.8	918.4	975.1	1038.9
12.5°	730.5	730.5	723.4	719.8	737.5	783.6	854.6	872.3	929.0	1003.5	1081.5
15°	783.6	776.5	765.9	744.6	744.6	776.5	858.1	879.4	953.8	1035.4	1124.0
17.5°	872.3	865.2	843.9	804.9	773.0	787.2	865.2	886.5	975.1	1067.3	1170.1
20°	1038.9	1024.8	982.2	904.2	836.8	815.6	882.9	907.7	996.4	1088.6	1195.0
22.5°	1216.2	1198.5	1148.9	1053.1	943.2	868.7	900.7	929.0	1014.1	1102.8	1212.7
25°	1411.3	1393.5	1340.3	1223.3	1074.4	939.7	936.1	957.4	1038.9	1117.0	1234.0
27.5°	1648.8	1627.6	1567.3	1414.8	1216.2	1038.9	975.1	989.3	1067.3	1138.2	1265.9
30°	1858.0	1840.3	1776.5	1609.8	1372.3	1138.2	1021.2	1028.3	1099.2	1173.7	1308.4
32.5°	2056.6	2046.0	1968.0	1804.9	1553.1	1248.1	1077.9	1070.9	1141.8	1202.1	1340.3
35°	2244.5	2244.5	2166.5	1996.3	1741.0	1375.8	1148.9	1134.7	1177.2	1216.2	1368.7
37.5°	2389.9	2397.0	2350.9	2202.0	1929.0	1531.8	1248.1	1209.1	1209.1	1251.7	1436.1
40°	2421.8	2439.6	2485.7	2432.5	2148.8	1705.6	1347.4	1294.2	1273.0	1326.2	1538.9
42.5°	2400.6	2443.1	2592.0	2652.3	2411.2	1893.5	1471.5	1407.7	1372.3	1418.4	1684.3
45°	2439.6	2482.1	2659.4	2808.3	2655.9	2109.8	1627.6	1560.2	1492.8	1553.1	1865.1
47.5°	2457.3	2492.8	2652.3	2889.9	2833.2	2336.7	1822.6	1748.1	1663.0	1723.3	2070.8
50°	2464.4	2499.8	2666.5	2868.6	2900.5	2531.8	2049.5	1982.1	1886.4	1939.6	2336.7
52.5°	2450.2	2489.2	2659.4	2819.0	2843.8	2655.9	2326.1	2262.3	2166.5	2226.8	2627.5
55°	1989.2	2042.4	2560.1	2748.1	2794.2	2723.2	2638.1	2595.6	2528.2	2609.8	2971.4
57.5°	1850.9	1886.4	2177.2	2694.9	2826.1	2819.0	2946.6	2943.1	2907.6	3042.4	3343.8
60°	1787.1	1822.6	2070.8	2648.8	2943.1	3063.6	3279.9	3290.6	3308.3	3563.6	3794.1
62.5°	1670.1	1705.6	1989.2	2577.9	3113.3	3464.3	3737.4	3751.5	3794.1	4127.4	4283.4
65°	1478.6	1517.6	1822.6	2464.4	3301.2	3939.5	4347.2	4322.4	4365.0	4726.7	4716.0
67.5°	1319.1	1354.5	1609.8	2283.5	3340.2	4482.0	5056.4	5081.2	4943.0	5279.8	5091.9
70°	1077.9	1109.9	1322.6	1982.1	3088.5	4843.7	5811.7	5790.4	5503.2	5673.4	5169.9
72.5°	769.5	801.4	939.7	1464.4	2343.8	4404.0	6038.6	6059.9	5645.0	5496.1	4489.1
75°	539.0	574.4	656.0	950.3	1294.2	3088.5	5251.4	5269.2	4701.8	4251.5	2893.4
77.5°	312.0	329.8	404.2	578.0	588.6	1382.9	3205.5	3170.0	2705.5	2116.9	1074.4
80°	156.0	191.5	255.3	290.8	273.0	446.8	992.8	1007.0	868.7	737.5	315.6
82.5°	88.6	95.7	180.8	163.1	131.2	177.3	269.5	273.0	326.2	308.5	148.9
85°	56.7	70.9	124.1	95.7	60.3	74.5	141.8	148.9	173.7	152.5	67.4
87.5°	17.7	24.8	60.3	46.1	21.3	24.8	56.7	56.7	67.4	67.4	17.7
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°	939.7	939.7	939.7	939.7	939.7	939.7	939.7	939.7	939.7	939.7	939.7
2.5°	960.9	975.1	992.8	1007.0	1031.9	1042.5	1049.6	1063.8	1063.8	1063.8	1056.7
5°	989.3	1014.1	1056.7	1099.2	1120.5	1138.2	1141.8	1138.2	1124.0	1120.5	1117.0
7.5°	1031.9	1070.9	1145.3	1191.4	1202.1	1173.7	1127.6	1088.6	1060.2	1042.5	1049.6
10°	1085.0	1138.2	1230.4	1262.3	1202.1	1113.4	1035.4	985.8	953.8	921.9	929.0
12.5°	1138.2	1212.7	1312.0	1269.4	1138.2	1021.2	929.0	872.3	829.7	808.5	815.6
15°	1198.5	1290.7	1361.6	1219.8	1046.0	911.3	812.0	723.4	677.3	659.5	666.6
17.5°	1258.8	1361.6	1379.3	1141.8	943.2	780.1	648.9	602.8	592.2	592.2	592.2
20°	1301.3	1407.7	1336.8	1046.0	801.4	609.9	546.1	539.0	560.2	578.0	578.0
22.5°	1340.3	1436.1	1258.8	932.6	631.2	500.0	489.3	517.7	542.5	563.8	567.3
25°	1368.7	1453.8	1177.2	797.8	503.5	439.7	461.0	492.9	521.2	542.5	546.1
27.5°	1411.3	1460.9	1088.6	624.1	414.9	411.3	432.6	461.0	485.8	507.1	510.6
30°	1460.9	1471.5	1003.5	496.4	383.0	386.5	400.7	422.0	446.8	464.5	468.1
32.5°	1492.8	1453.8	879.4	407.8	372.3	372.3	375.9	390.0	407.8	418.4	422.0
35°	1535.4	1439.6	730.5	368.8	372.3	372.3	368.8	368.8	351.0	358.1	358.1
37.5°	1595.6	1414.8	578.0	354.6	383.0	386.5	379.4	333.3	319.1	312.0	312.0
40°	1677.2	1397.1	461.0	351.0	400.7	411.3	365.2	322.7	297.9	276.6	276.6
42.5°	1772.9	1375.8	379.4	354.6	422.0	439.7	365.2	312.0	276.6	269.5	273.0
45°	1858.0	1340.3	333.3	354.6	443.2	461.0	379.4	297.9	276.6	273.0	283.7
47.5°	1932.5	1283.6	322.7	358.1	457.4	464.5	383.0	304.9	273.0	297.9	326.2
50°	2031.8	1195.0	312.0	361.7	468.1	471.6	390.0	304.9	273.0	329.8	368.8
52.5°	2148.8	1085.0	304.9	354.6	485.8	475.1	400.7	312.0	280.1	315.6	333.3
55°	2304.8	964.5	297.9	347.5	485.8	457.4	407.8	333.3	276.6	283.7	294.3
57.5°	2489.2	897.1	287.2	333.3	475.1	422.0	418.4	340.4	262.4	283.7	287.2
60°	2737.4	900.7	280.1	322.7	457.4	397.1	418.4	340.4	255.3	265.9	269.5
62.5°	3053.0	960.9	294.3	322.7	425.5	379.4	414.9	347.5	255.3	273.0	283.7
65°	3340.2	1028.3	319.1	319.1	393.6	351.0	411.3	340.4	248.2	262.4	262.4
67.5°	3517.5	1049.6	322.7	308.5	368.8	319.1	397.1	329.8	244.7	262.4	258.8
70°	3482.1	968.0	301.4	280.1	326.2	294.3	375.9	312.0	234.0	258.8	241.1
72.5°	2893.4	670.2	255.3	241.1	273.0	262.4	354.6	290.8	219.8	223.4	202.1
75°	1769.4	372.3	198.6	195.0	209.2	219.8	322.7	265.9	195.0	177.3	166.7
77.5°	581.5	191.5	152.5	148.9	148.9	170.2	273.0	230.5	170.2	138.3	134.7
80°	198.6	127.7	113.5	109.9	102.8	117.0	202.1	184.4	141.8	106.4	102.8
82.5°	124.1	85.1	81.6	81.6	70.9	70.9	117.0	131.2	109.9	92.2	63.8
85°	67.4	53.2	56.7	53.2	46.1	42.6	63.8	88.6	67.4	42.6	39.0
87.5°	21.3	21.3	21.3	21.3	17.7	14.2	10.6	24.8	28.4	17.7	14.2
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)