

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: P482363

Luminaire Tested: **IFLD-S-SA2A-730-U-T3-HSS**

Issue Date: 02/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P482363  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2A-730-U-T3-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3  
distribution lens with House Side Shield  
Light Source: (32) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

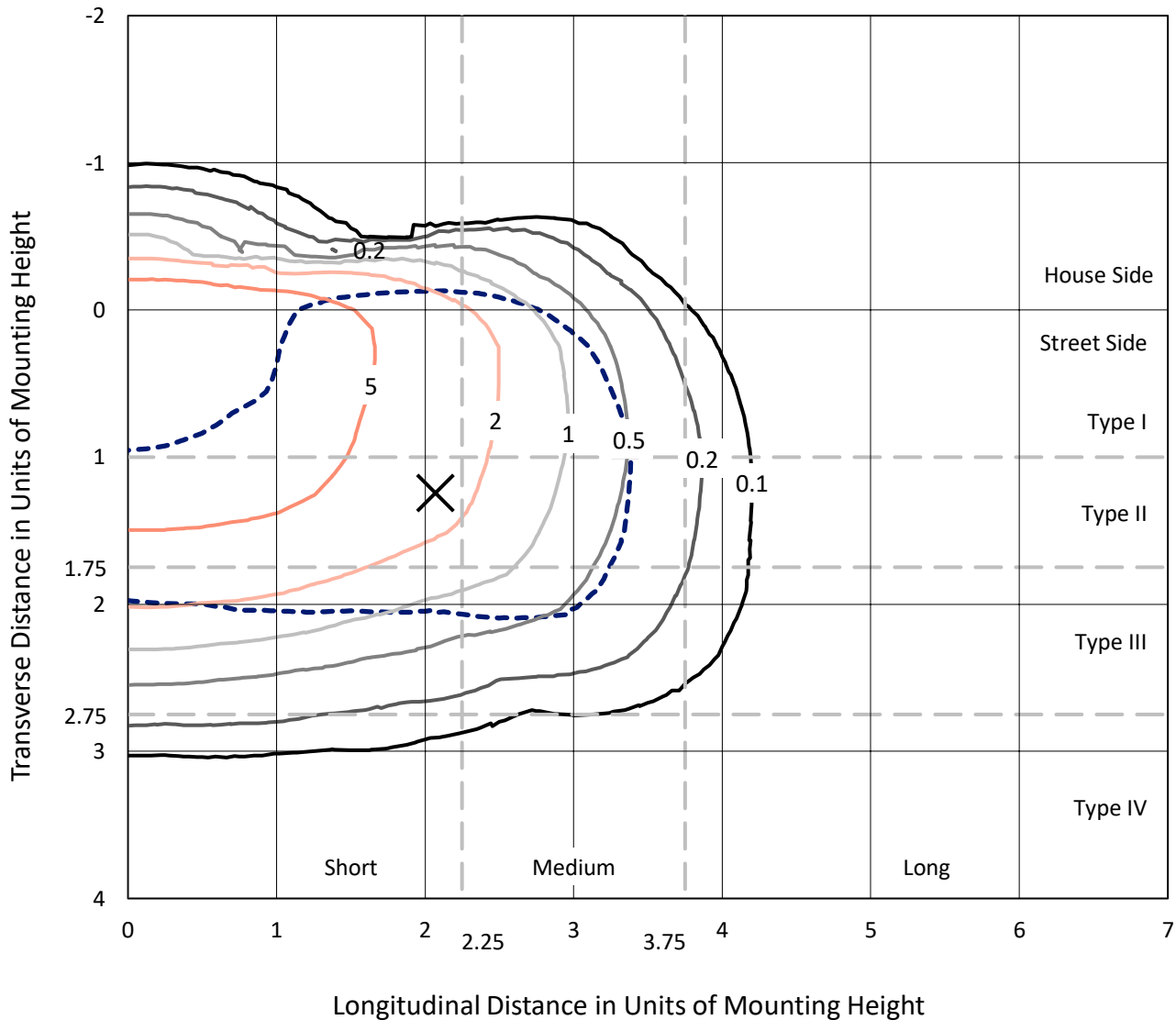
Lumens per Lamp: N/A  
Luminaire Lumens: 6238.1 lumens  
Efficiency: N/A  
Efficacy: 97.8 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.5')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2

Input Watts (W): 63.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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

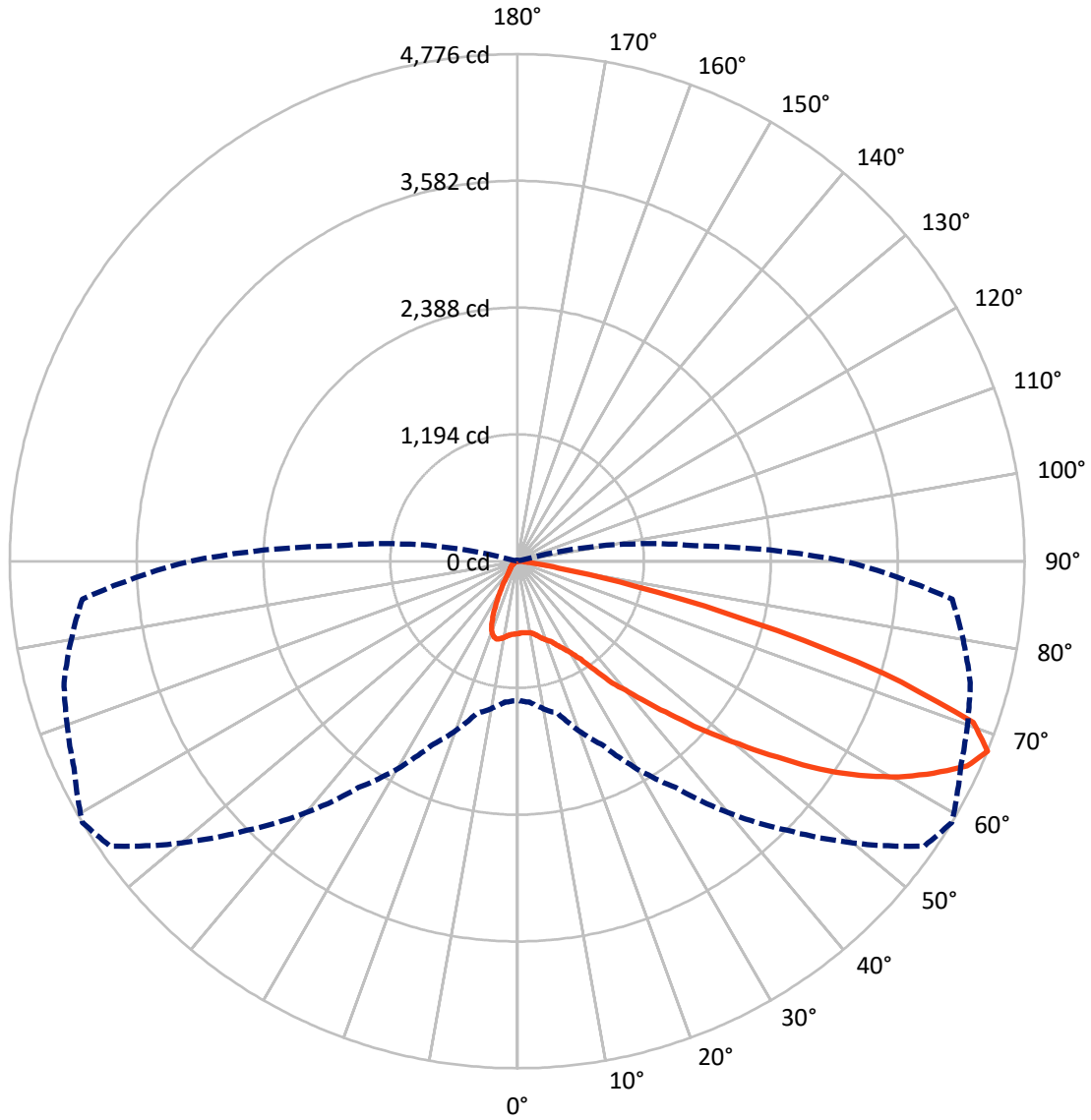
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.8 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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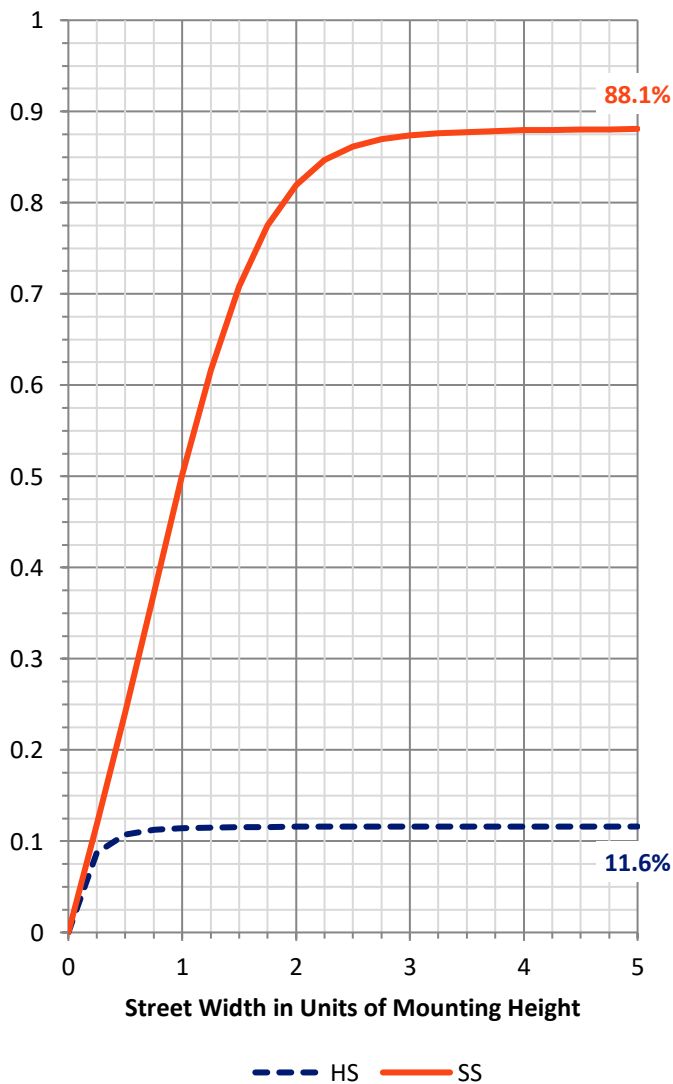
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	732.8	0.0	732.8
	% Fixture	11.7	0.0	11.7
<b>Street Side</b>	Lumens	5505.3	0.0	5505.3
	% Fixture	88.3	0.0	88.3
<b>Total</b>	Lumens	6238.1	0.0	6238.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	65.0	1.0
10°-20°	187.7	3.0
20°-30°	328.1	5.3
30°-40°	577.7	9.3
40°-50°	1021.2	16.4
50°-60°	1616.9	25.9
60°-70°	1793.6	28.8
70°-80°	622.3	10.0
80°-90°	25.6	0.4
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°	6238.1	100.0
0°-180°	6238.1	100.0

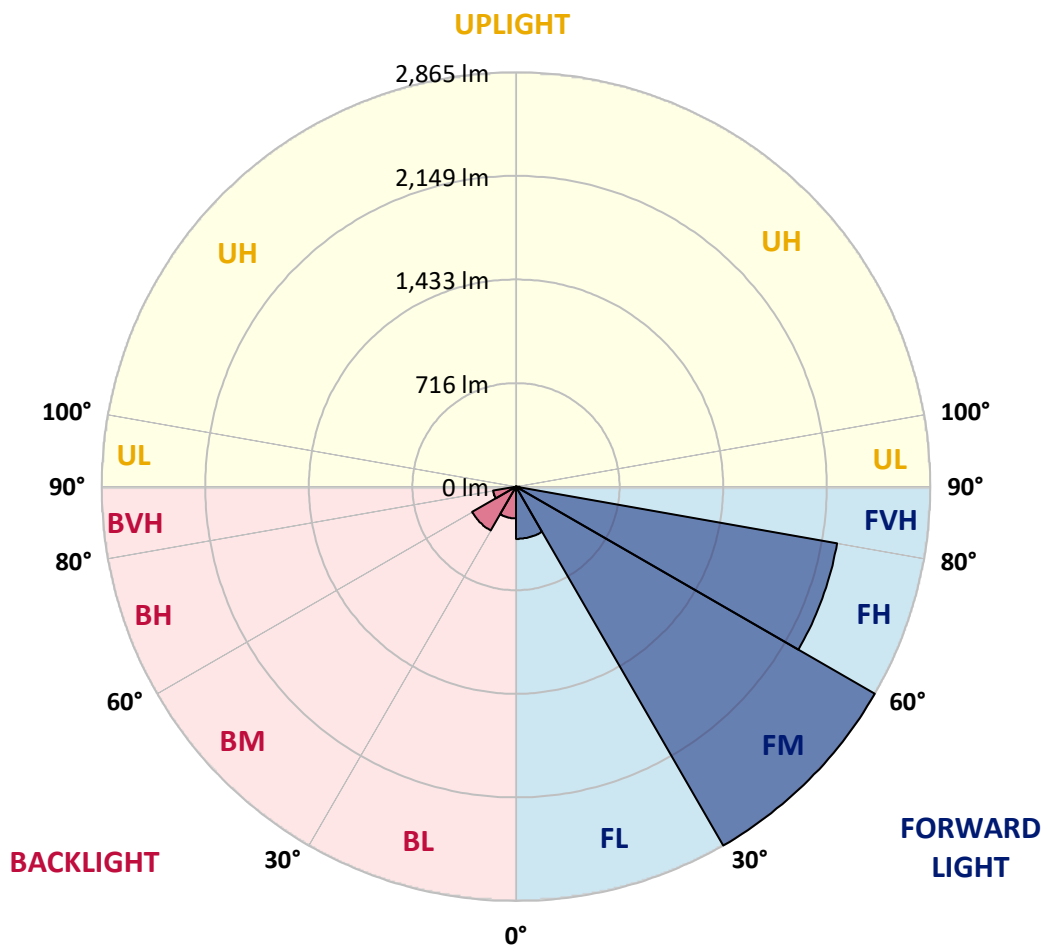


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	361.2	5.8			
FM (30°-60°)	2865.4	45.9			
FH (60°-80°)	2254.7	36.1			G2/5000
FVH (80°-90°)	24.0	0.4			G1/100
BL (0°-30°)	219.6	3.5	B1/500		
BM (30°-60°)	350.4	5.6	B1/1000		
BH (60°-80°)	161.1	2.6	B1/500		G1/500
BVH (80°-90°)	1.7	0.0			G0/10
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 Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	684.2	684.2	684.2	684.2	684.2	684.2	684.2	684.2	684.2	684.2	684.2
2.5°	664.4	654.9	663.5	664.4	665.2	673.0	681.6	675.6	674.7	681.6	687.7
5°	637.7	633.4	643.7	648.9	657.5	664.4	678.2	679.0	679.9	687.7	698.0
7.5°	626.5	616.1	628.2	634.2	640.3	656.6	673.0	681.6	693.7	703.2	713.5
10°	604.1	611.8	615.3	625.6	642.8	661.8	681.6	685.9	712.6	720.4	745.4
12.5°	611.8	617.0	623.9	626.5	645.4	673.9	700.6	702.3	729.9	763.5	776.4
15°	631.6	628.2	630.8	634.2	656.6	679.9	723.0	730.7	756.6	794.5	826.4
17.5°	673.9	667.8	663.5	662.7	667.8	689.4	740.2	763.5	787.6	839.3	855.7
20°	779.9	774.7	757.5	712.6	697.1	705.7	760.9	793.6	827.3	885.0	911.7
22.5°	941.0	946.2	905.7	842.8	778.1	744.5	793.6	822.1	875.5	948.8	972.9
25°	1131.4	1121.1	1072.0	998.7	897.1	817.8	846.2	878.1	943.6	1003.9	1013.4
27.5°	1280.5	1268.5	1230.5	1141.8	1053.9	925.5	915.1	935.0	1012.5	1066.8	1056.5
30°	1427.9	1432.2	1406.3	1301.2	1192.6	1057.3	991.8	1000.5	1059.9	1129.7	1106.5
32.5°	1615.7	1605.4	1590.7	1498.5	1370.1	1225.4	1113.3	1099.6	1125.4	1217.6	1190.0
35°	1790.7	1784.6	1764.8	1671.7	1559.7	1402.0	1292.6	1261.6	1255.5	1358.1	1309.8
37.5°	1943.2	1932.8	1902.7	1843.2	1734.6	1601.9	1482.2	1454.6	1453.7	1524.4	1431.3
40°	2071.6	2079.3	2075.9	2010.4	1950.9	1844.9	1661.4	1617.5	1614.0	1651.9	1597.6
42.5°	2237.9	2256.0	2246.5	2233.6	2162.1	2120.7	1913.0	1845.8	1815.6	1893.2	1844.1
45°	2489.5	2496.4	2502.4	2470.6	2399.0	2407.6	2173.3	2093.1	2085.4	2200.8	2090.5
47.5°	2724.8	2706.7	2748.9	2750.6	2747.2	2707.5	2454.2	2394.7	2405.1	2493.0	2379.2
50°	2783.4	2829.9	2946.2	2967.8	3023.8	3060.0	2766.1	2706.7	2723.9	2823.9	2693.7
52.5°	2829.0	2899.7	3016.0	3173.7	3324.5	3410.7	3115.1	3066.9	3066.0	3127.2	2947.9
55°	2909.2	2952.3	3053.1	3270.2	3557.2	3698.5	3535.6	3458.1	3388.3	3431.4	3211.6
57.5°	2901.4	2917.8	3074.6	3342.6	3741.6	3998.4	3881.2	3807.1	3717.5	3692.5	3515.0
60°	2765.3	2804.0	2979.8	3293.5	3855.3	4231.9	4203.5	4127.6	3973.4	3914.8	3747.6
62.5°	2495.5	2547.2	2685.1	3121.2	3689.9	4244.0	4425.8	4397.4	4225.0	4119.9	4051.0
65°	2022.5	2046.6	2205.1	2683.4	3315.9	4058.7	4688.6	4653.3	4494.7	4337.9	4206.9
67.5°	1309.8	1333.1	1485.6	1915.6	2604.1	3580.5	4678.3	4775.7	4604.2	4415.5	4109.5
70°	618.7	612.7	754.9	1064.2	1668.3	2734.2	4362.0	4554.2	4408.6	4002.7	3413.3
72.5°	188.7	205.1	313.7	471.4	856.6	1705.3	3419.3	3599.4	3553.7	3197.8	2278.4
75°	83.6	90.5	123.2	193.0	347.3	699.7	2112.1	2272.4	2252.5	1886.3	1040.1
77.5°	53.4	58.6	77.6	110.3	157.7	222.3	972.9	1128.9	1094.4	662.7	272.3
80°	37.9	40.5	55.2	75.8	99.1	91.3	335.2	398.1	381.7	180.1	73.2
82.5°	20.7	22.4	40.5	56.0	66.4	46.5	93.9	117.2	122.4	80.1	35.3
85°	7.8	9.5	25.0	39.6	34.5	21.5	27.6	33.6	43.9	43.9	16.4
87.5°	0.0	0.9	10.3	17.2	8.6	6.0	7.8	9.5	12.1	20.7	6.0
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	684.2	684.2	684.2	684.2	684.2	684.2	684.2	684.2	684.2	684.2	684.2
2.5°	692.0	685.9	688.5	692.8	683.3	688.5	678.2	685.9	688.5	678.2	683.3
5°	700.6	706.6	703.2	696.3	690.2	692.0	689.4	683.3	688.5	690.2	686.8
7.5°	725.6	718.7	720.4	712.6	700.6	699.7	683.3	679.0	680.8	682.5	676.5
10°	748.8	753.1	744.5	738.5	718.7	705.7	683.3	659.2	656.6	646.3	654.9
12.5°	790.2	779.9	776.4	756.6	736.8	693.7	645.4	608.4	577.4	566.2	554.9
15°	824.7	822.9	816.9	786.8	741.1	662.7	571.3	485.1	425.7	388.6	383.5
17.5°	872.1	864.3	853.1	805.7	709.2	581.7	425.7	317.1	257.7	234.4	225.8
20°	908.3	902.2	886.7	801.4	651.5	433.4	263.7	201.6	187.0	182.7	183.5
22.5°	960.8	941.9	912.6	779.9	546.3	288.7	189.6	180.1	177.5	174.1	174.9
25°	1006.5	989.3	928.1	742.8	389.5	191.3	175.8	170.6	166.3	162.0	161.1
27.5°	1047.0	1025.4	944.4	667.0	243.9	164.6	162.9	156.8	148.2	141.3	138.7
30°	1086.6	1061.6	948.8	524.8	164.6	149.1	144.8	135.3	124.1	114.6	112.9
32.5°	1153.0	1122.8	942.7	374.8	142.2	132.7	123.2	112.0	95.7	87.9	86.2
35°	1256.4	1210.7	935.0	220.6	127.5	117.2	102.5	87.9	75.8	68.1	66.4
37.5°	1375.3	1296.0	912.6	147.4	117.2	103.4	84.4	69.8	59.5	53.4	51.7
40°	1552.0	1421.0	826.4	120.6	104.3	87.9	68.1	55.2	47.4	43.1	41.4
42.5°	1746.7	1564.0	693.7	108.6	92.2	75.0	54.3	44.8	38.8	34.5	34.5
45°	1980.2	1713.1	535.1	99.1	81.9	62.0	44.8	36.2	31.0	27.6	25.9
47.5°	2240.5	1848.4	361.1	89.6	68.9	50.8	37.1	27.6	22.4	19.8	19.8
50°	2473.1	1968.2	230.1	78.4	60.3	42.2	30.2	22.4	18.1	14.6	13.8
52.5°	2684.3	2059.5	158.6	68.9	51.7	34.5	25.0	18.1	13.8	11.2	11.2
55°	2900.6	2106.0	117.2	59.5	44.8	29.3	20.7	16.4	12.1	9.5	8.6
57.5°	3078.1	2125.9	89.6	51.7	37.9	23.3	18.1	13.8	10.3	7.8	6.9
60°	3229.7	2116.4	69.8	43.1	30.2	19.8	15.5	11.2	8.6	6.0	5.2
62.5°	3318.5	2059.5	55.2	37.1	24.1	17.2	12.9	9.5	6.0	4.3	3.4
65°	3320.2	1938.9	43.1	27.6	18.1	14.6	11.2	7.8	4.3	1.7	0.9
67.5°	3082.4	1677.8	34.5	21.5	14.6	11.2	8.6	6.0	1.7	0.0	0.0
70°	2411.1	1269.3	28.4	17.2	12.1	9.5	6.0	3.4	0.9	0.0	0.0
72.5°	1536.4	760.0	23.3	13.8	10.3	6.9	4.3	2.6	0.0	0.0	0.0
75°	642.8	234.4	18.1	12.1	7.8	5.2	3.4	0.9	0.0	0.0	0.0
77.5°	165.5	74.1	14.6	10.3	7.8	4.3	2.6	0.9	0.0	0.0	0.0
80°	49.1	27.6	12.1	8.6	6.0	3.4	1.7	0.9	0.0	0.0	0.0
82.5°	22.4	16.4	10.3	7.8	5.2	3.4	1.7	0.0	0.0	0.0	0.0
85°	8.6	5.2	5.2	4.3	4.3	2.6	0.9	0.0	0.0	0.0	0.0
87.5°	3.4	1.7	1.7	1.7	0.9	0.9	0.0	0.0	0.0	0.0	0.0
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)