

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: P565380

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

Issue Date: 09/02/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P565380  
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-HSS  
Description: STREETWORKS INFRASTRUCTURE FLOOD – Middle Tier Light Square  
Luminaire w/ T3 distribution lens and House Side Shield  
Light Source: (128) AMB CCT, -- CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

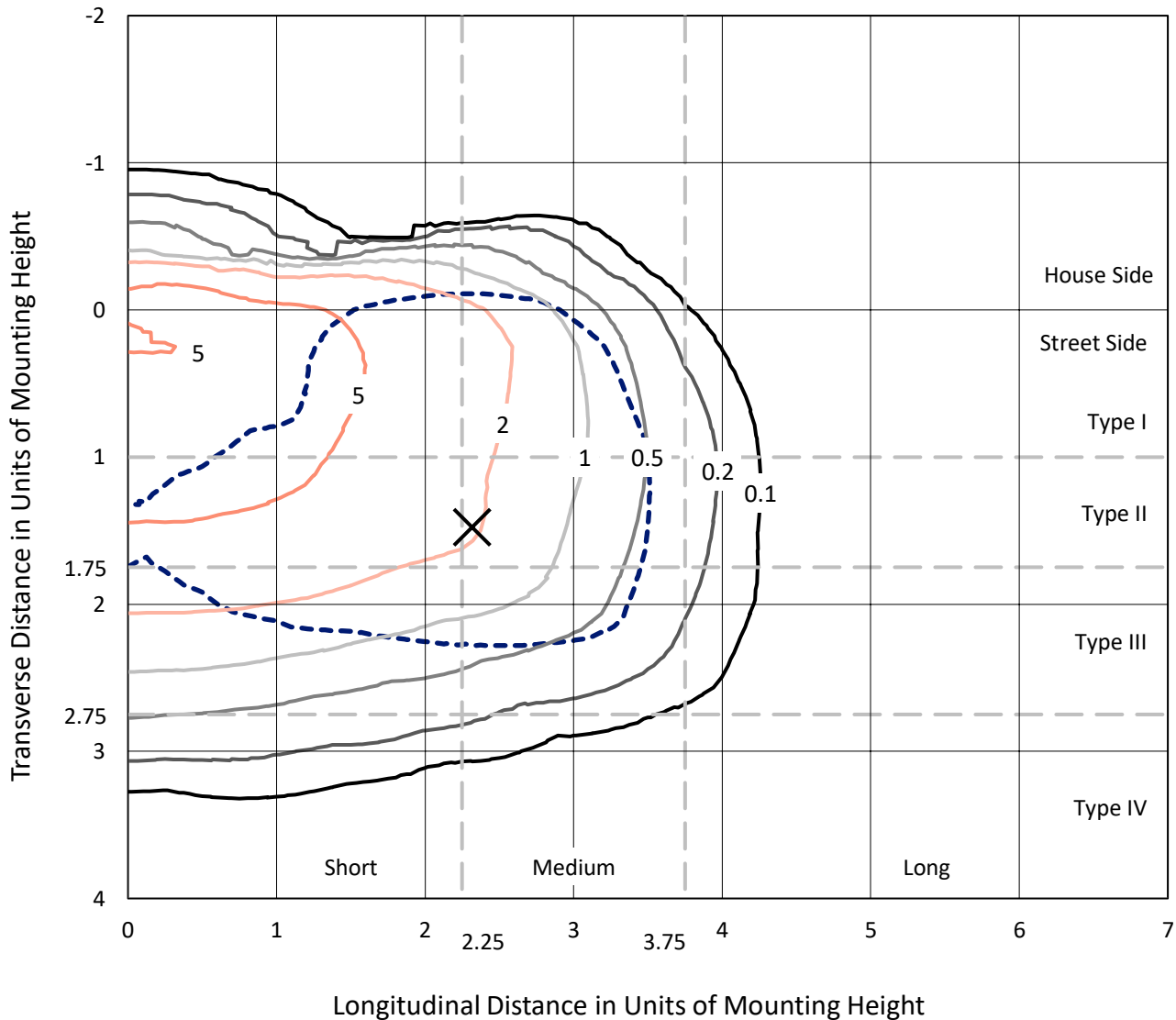
Lumens per Lamp: N/A  
Luminaire Lumens: 6042.1 lumens  
Efficiency: N/A  
Efficacy: 37.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 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

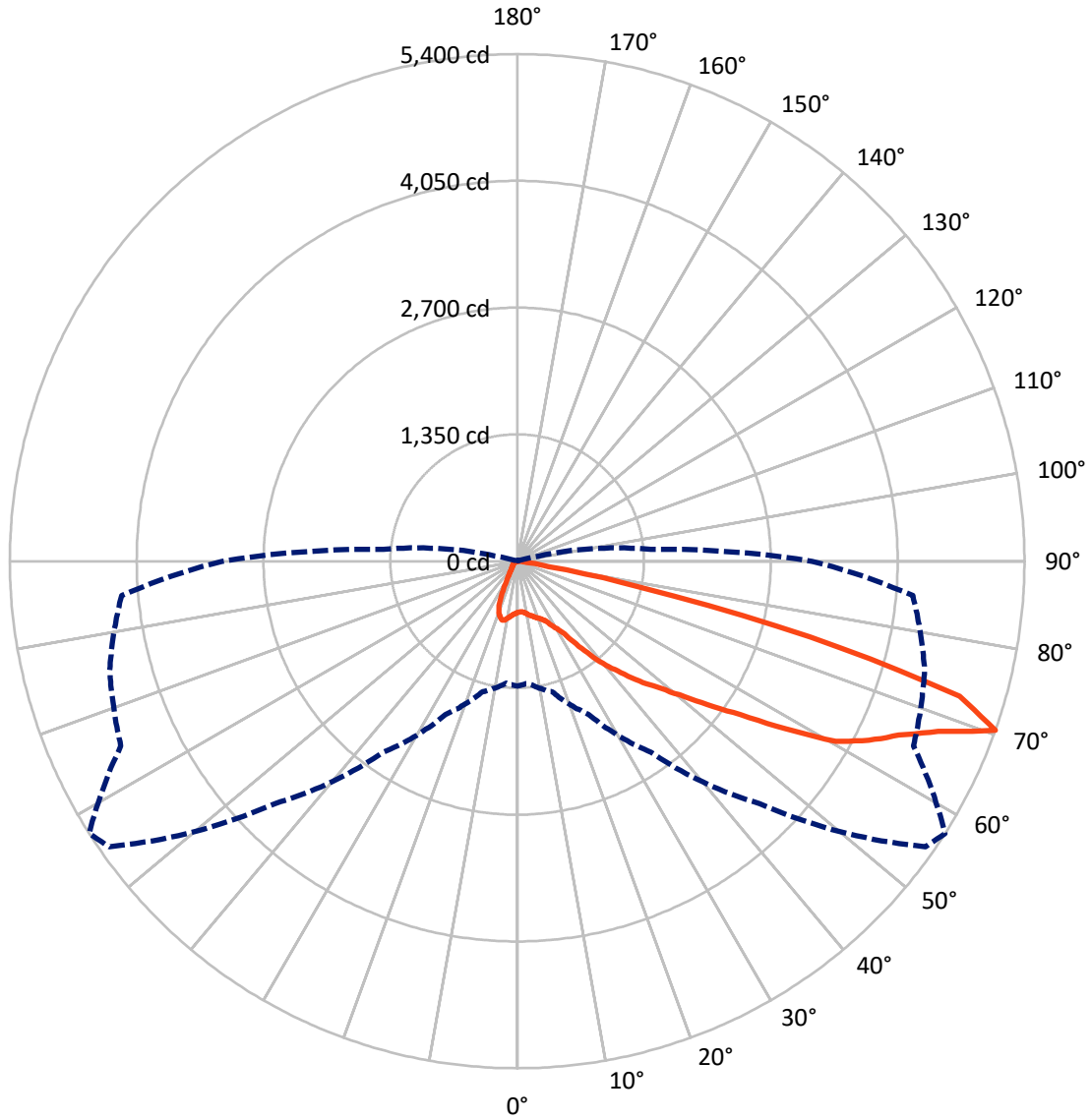
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.2 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57.5-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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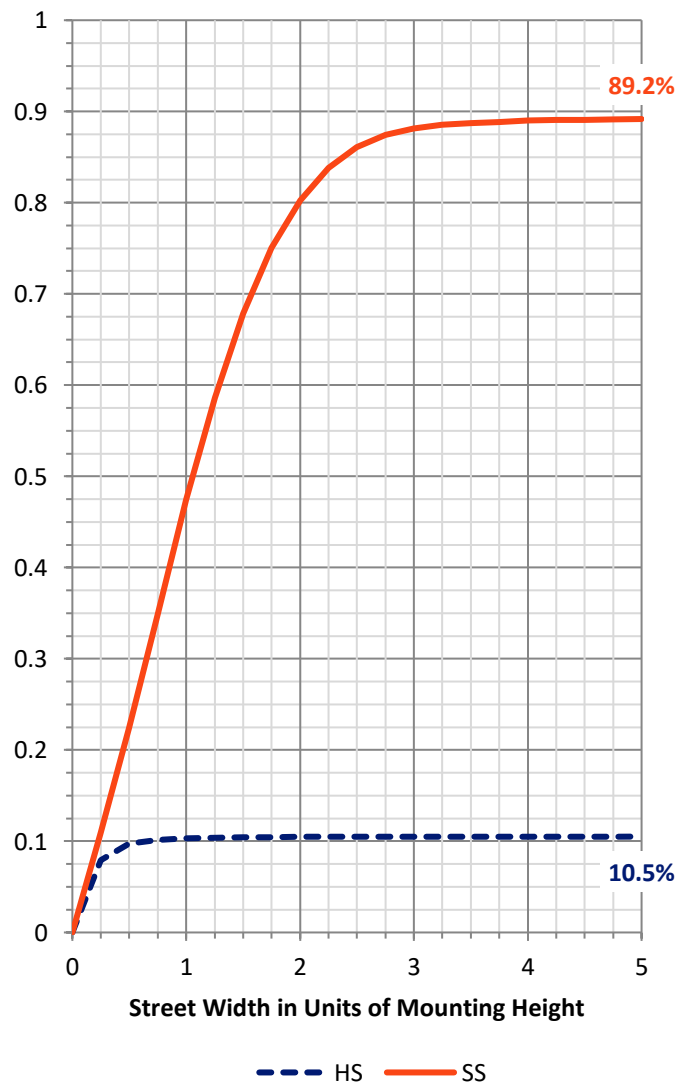
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	642.2	0.0	642.2
	% Fixture	10.6	0.0	10.6
<b>Street Side</b>	Lumens	5399.9	0.0	5399.9
	% Fixture	89.4	0.0	89.4
<b>Total</b>	Lumens	6042.1	0.0	6042.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	52.9	0.9
10°-20°	158.8	2.6
20°-30°	280.9	4.6
30°-40°	507.8	8.4
40°-50°	885.2	14.6
50°-60°	1451.5	24.0
60°-70°	1862.4	30.8
70°-80°	817.2	13.5
80°-90°	25.4	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°	6042.1	100.0
0°-180°	6042.1	100.0

**Coefficient of Utilization**

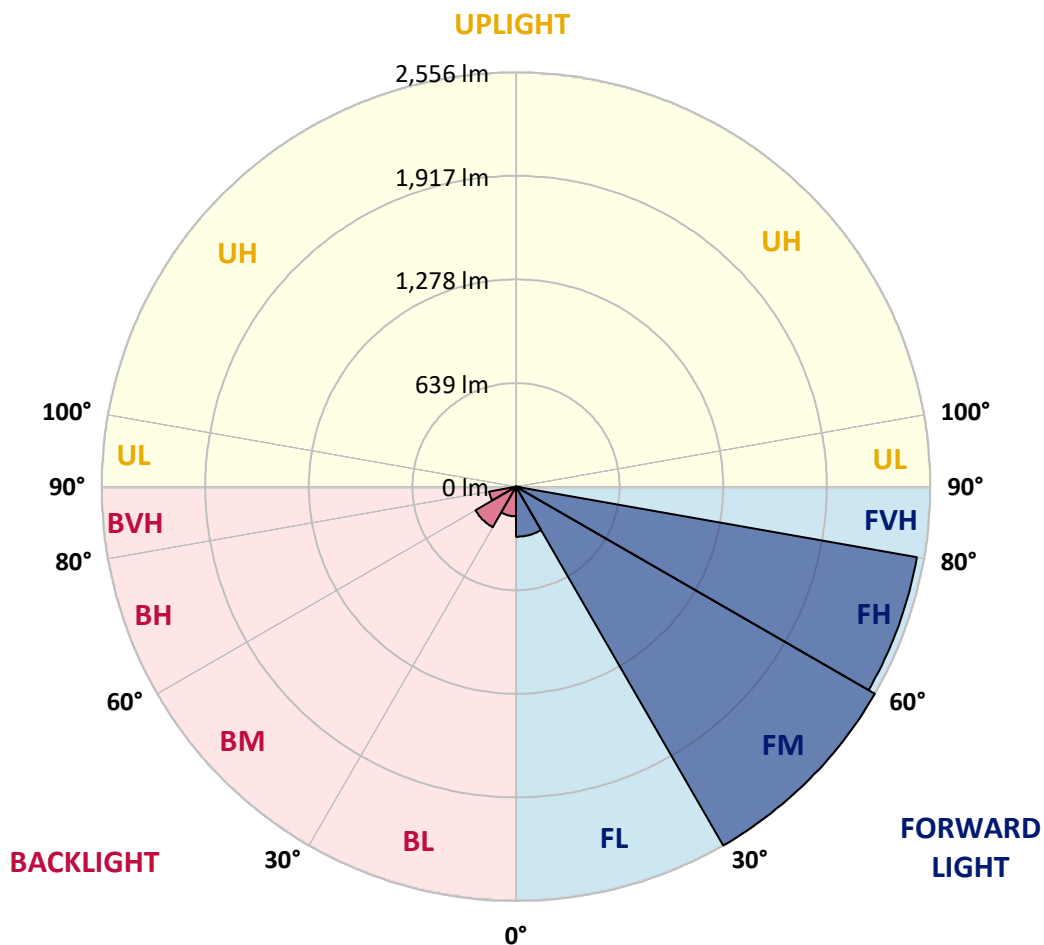


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	309.1	5.1			
FM (30°-60°)	2555.8	42.3			
FH (60°-80°)	2511.1	41.6			G2/5000
FVH (80°-90°)	23.8	0.4			G1/100
BL (0°-30°)	183.5	3.0	B1/500		
BM (30°-60°)	288.6	4.8	B1/1000		
BH (60°-80°)	168.5	2.8	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 Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57.5°	65°	75°	85°
0°	542.3	542.3	542.3	542.3	542.3	542.3	542.3	542.3	542.3	542.3	542.3
2.5°	515.4	523.1	526.9	526.9	523.1	530.7	530.7	542.3	538.4	546.1	553.8
5°	507.7	503.8	511.5	515.4	523.1	530.7	542.3	542.3	550.0	553.8	561.5
7.5°	492.3	488.4	488.4	503.8	519.2	538.4	553.8	550.0	565.4	580.7	600.0
10°	488.4	492.3	492.3	500.0	515.4	530.7	561.5	569.2	596.1	623.0	642.3
12.5°	507.7	500.0	503.8	507.7	519.2	542.3	576.9	592.3	626.9	661.5	684.6
15°	519.2	515.4	519.2	523.1	530.7	546.1	596.1	607.7	653.8	707.7	742.3
17.5°	565.4	557.7	550.0	538.4	538.4	557.7	611.5	630.7	696.1	750.0	773.0
20°	661.5	653.8	630.7	596.1	573.0	573.0	619.2	646.1	715.3	796.1	815.3
22.5°	819.2	823.0	784.6	700.0	638.4	611.5	650.0	673.0	753.8	838.4	857.6
25°	1003.8	996.1	961.5	857.6	753.8	676.9	684.6	703.8	792.3	896.1	900.0
27.5°	1142.2	1157.6	1123.0	1038.4	907.6	773.0	753.8	769.2	853.8	946.1	950.0
30°	1288.4	1292.2	1253.8	1192.2	1073.0	923.0	838.4	834.6	919.2	1015.3	992.3
32.5°	1496.1	1476.8	1419.2	1334.5	1223.0	1092.3	942.3	923.0	965.3	1073.0	1049.9
35°	1676.8	1680.7	1615.3	1511.5	1399.9	1273.0	1115.3	1080.7	1084.6	1169.2	1134.6
37.5°	1842.2	1846.1	1815.3	1715.3	1599.9	1446.1	1292.2	1269.2	1199.9	1311.5	1223.0
40°	1953.7	1919.1	1942.2	1899.9	1784.5	1665.3	1526.8	1457.6	1357.6	1403.8	1346.1
42.5°	2026.8	2026.8	2080.7	2069.1	1969.1	1919.1	1696.1	1619.1	1511.5	1592.2	1488.4
45°	2215.3	2196.0	2269.1	2265.3	2203.7	2149.9	1915.3	1823.0	1692.2	1807.6	1688.4
47.5°	2396.0	2423.0	2488.3	2476.8	2480.6	2434.5	2084.5	1996.1	1915.3	2073.0	1930.7
50°	2546.0	2569.1	2696.0	2696.0	2753.7	2753.7	2307.6	2238.3	2215.3	2438.3	2180.7
52.5°	2642.2	2642.2	2776.8	2888.3	3015.2	3038.3	2549.9	2534.5	2572.9	2799.9	2519.1
55°	2730.6	2707.6	2869.1	2988.3	3242.1	3307.5	2922.9	2880.6	3011.4	3234.4	2807.5
57.5°	2715.2	2692.2	2872.9	3061.4	3380.6	3557.5	3380.6	3365.2	3422.9	3561.4	3038.3
60°	2665.2	2630.6	2807.5	3072.9	3503.7	3842.1	3872.9	3896.0	3757.5	3730.6	3353.7
62.5°	2503.7	2534.5	2703.7	3030.6	3634.4	3984.4	4230.6	4199.8	4015.2	3899.8	3726.7
65°	2334.5	2326.8	2546.0	2922.9	3565.2	4076.7	4465.2	4465.2	4180.6	4099.8	4122.9
67.5°	1973.0	1961.4	2161.4	2526.8	3211.4	3992.1	4957.4	4834.4	4453.6	4384.4	4411.3
70°	1330.7	1303.8	1442.2	1799.9	2484.5	3649.8	5303.6	5399.7	4653.6	4488.2	4226.7
72.5°	465.4	465.4	684.6	876.9	1499.9	2772.9	4861.3	4926.7	4311.3	3946.0	2930.6
75°	146.1	146.1	226.9	334.6	573.0	1238.4	3011.4	3219.1	2934.5	2396.0	1123.0
77.5°	65.4	61.5	88.5	115.4	176.9	261.5	1180.7	1330.7	1215.3	738.4	253.8
80°	38.5	42.3	53.8	73.1	103.8	96.1	276.9	338.4	330.8	188.5	73.1
82.5°	23.1	26.9	38.5	50.0	65.4	46.2	84.6	96.1	115.4	88.5	38.5
85°	11.5	11.5	23.1	38.5	34.6	23.1	34.6	38.5	50.0	53.8	19.2
87.5°	0.0	0.0	11.5	19.2	11.5	7.7	7.7	11.5	15.4	26.9	7.7
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°	542.3	542.3	542.3	542.3	542.3	542.3	542.3	542.3	542.3	542.3	542.3
2.5°	550.0	553.8	557.7	557.7	561.5	557.7	557.7	557.7	546.1	553.8	550.0
5°	569.2	569.2	573.0	576.9	565.4	561.5	561.5	557.7	546.1	546.1	550.0
7.5°	600.0	607.7	607.7	603.8	588.4	576.9	565.4	550.0	546.1	546.1	538.4
10°	650.0	650.0	642.3	634.6	607.7	592.3	561.5	530.7	515.4	511.5	503.8
12.5°	688.4	692.3	688.4	665.4	634.6	580.7	523.1	492.3	473.1	453.8	450.0
15°	730.7	738.4	730.7	703.8	630.7	542.3	476.9	407.7	350.0	319.2	311.5
17.5°	776.9	780.7	769.2	700.0	592.3	492.3	365.4	250.0	196.1	169.2	169.2
20°	815.3	803.8	792.3	680.7	553.8	369.2	219.2	146.1	134.6	130.8	130.8
22.5°	842.3	838.4	792.3	653.8	461.5	226.9	138.5	130.8	130.8	126.9	126.9
25°	880.7	869.2	788.4	600.0	326.9	142.3	126.9	126.9	123.1	119.2	119.2
27.5°	930.7	903.8	780.7	550.0	192.3	119.2	119.2	119.2	107.7	103.8	103.8
30°	969.2	926.9	757.7	430.7	119.2	107.7	107.7	103.8	92.3	84.6	80.8
32.5°	999.9	950.0	746.1	292.3	103.8	100.0	92.3	84.6	73.1	65.4	65.4
35°	1076.9	1011.5	742.3	173.1	100.0	88.5	76.9	65.4	57.7	53.8	50.0
37.5°	1149.9	1084.6	715.3	111.5	92.3	80.8	65.4	53.8	46.2	42.3	42.3
40°	1257.6	1161.5	657.7	96.1	84.6	69.2	53.8	42.3	38.5	34.6	34.6
42.5°	1399.9	1253.8	546.1	84.6	73.1	61.5	42.3	34.6	30.8	26.9	26.9
45°	1565.3	1369.2	373.1	80.8	69.2	50.0	38.5	30.8	26.9	23.1	23.1
47.5°	1765.3	1476.8	230.8	73.1	57.7	42.3	30.8	23.1	19.2	15.4	15.4
50°	2011.4	1603.8	142.3	65.4	50.0	34.6	26.9	19.2	15.4	11.5	11.5
52.5°	2257.6	1746.1	103.8	57.7	46.2	30.8	23.1	15.4	11.5	11.5	11.5
55°	2484.5	1849.9	84.6	53.8	38.5	26.9	19.2	15.4	11.5	7.7	7.7
57.5°	2738.3	1919.1	73.1	46.2	34.6	23.1	19.2	11.5	11.5	7.7	7.7
60°	3026.8	1965.3	61.5	42.3	26.9	19.2	15.4	11.5	7.7	7.7	3.8
62.5°	3319.1	1992.2	50.0	34.6	23.1	15.4	11.5	11.5	7.7	3.8	3.8
65°	3542.1	1996.1	38.5	26.9	19.2	15.4	11.5	7.7	3.8	3.8	0.0
67.5°	3561.4	1830.7	34.6	23.1	15.4	11.5	7.7	7.7	3.8	0.0	0.0
70°	3142.1	1426.8	26.9	19.2	11.5	7.7	7.7	3.8	0.0	0.0	0.0
72.5°	1919.1	730.7	23.1	15.4	11.5	7.7	3.8	3.8	0.0	0.0	0.0
75°	642.3	176.9	19.2	11.5	7.7	7.7	3.8	3.8	0.0	0.0	0.0
77.5°	138.5	53.8	15.4	11.5	7.7	3.8	3.8	0.0	0.0	0.0	0.0
80°	50.0	26.9	11.5	7.7	7.7	3.8	3.8	0.0	0.0	0.0	0.0
82.5°	23.1	15.4	11.5	7.7	3.8	3.8	0.0	0.0	0.0	0.0	0.0
85°	11.5	7.7	7.7	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0
87.5°	3.8	3.8	0.0	0.0	0.0	0.0	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)