

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: P565290

Luminaire Tested: **IFLD-M-SA4A-AMB-U-T4FT**

Issue Date: 09/02/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P565290  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 09/02/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4A-AMB-U-T4FT  
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square  
Luminaire w/ T4FT distribution lens  
Light Source: (48) AMB CCT, -- CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

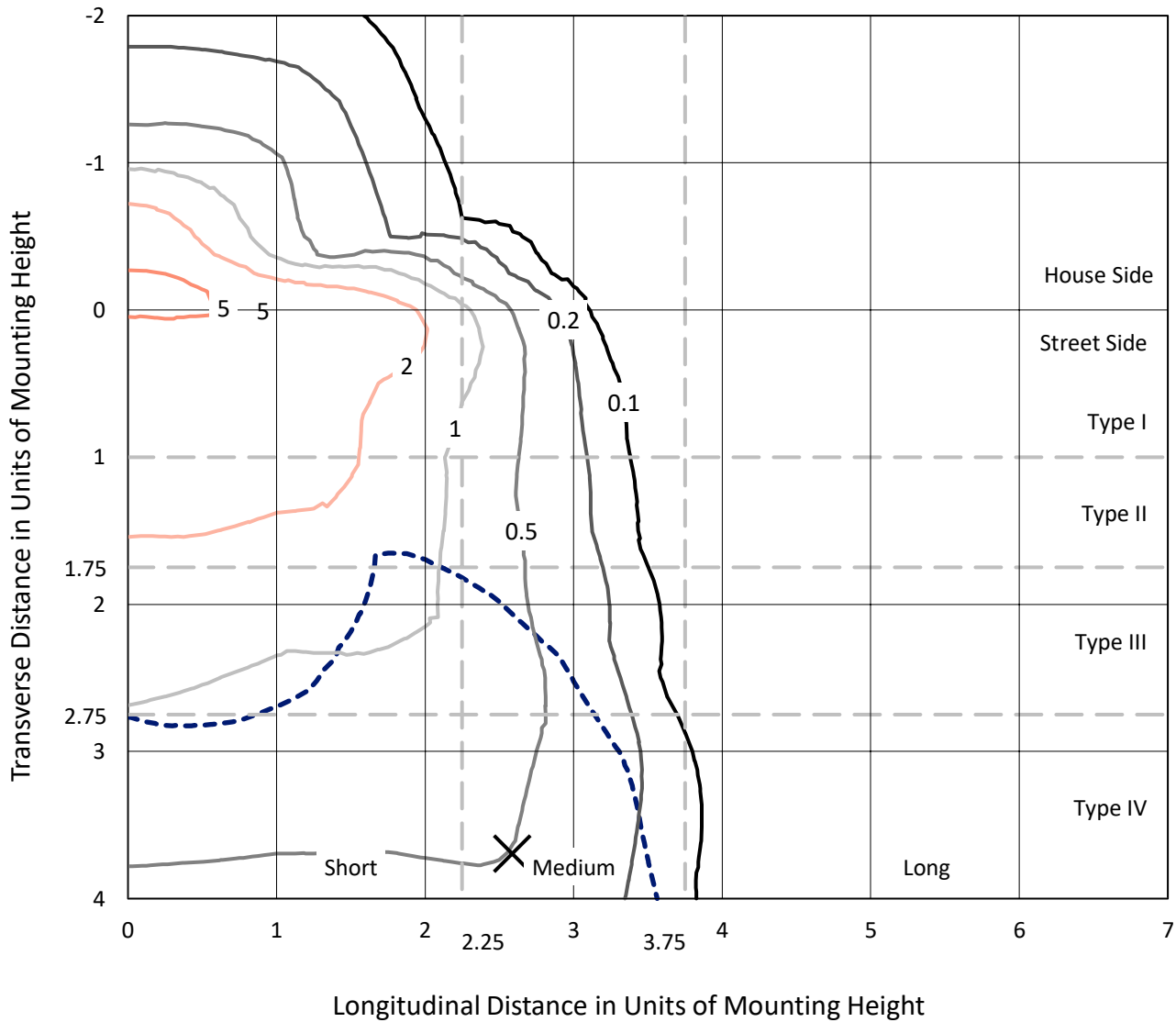
Lumens per Lamp: N/A  
Luminaire Lumens: 4497.6 lumens  
Efficiency: N/A  
Efficacy: 54.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 83  
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

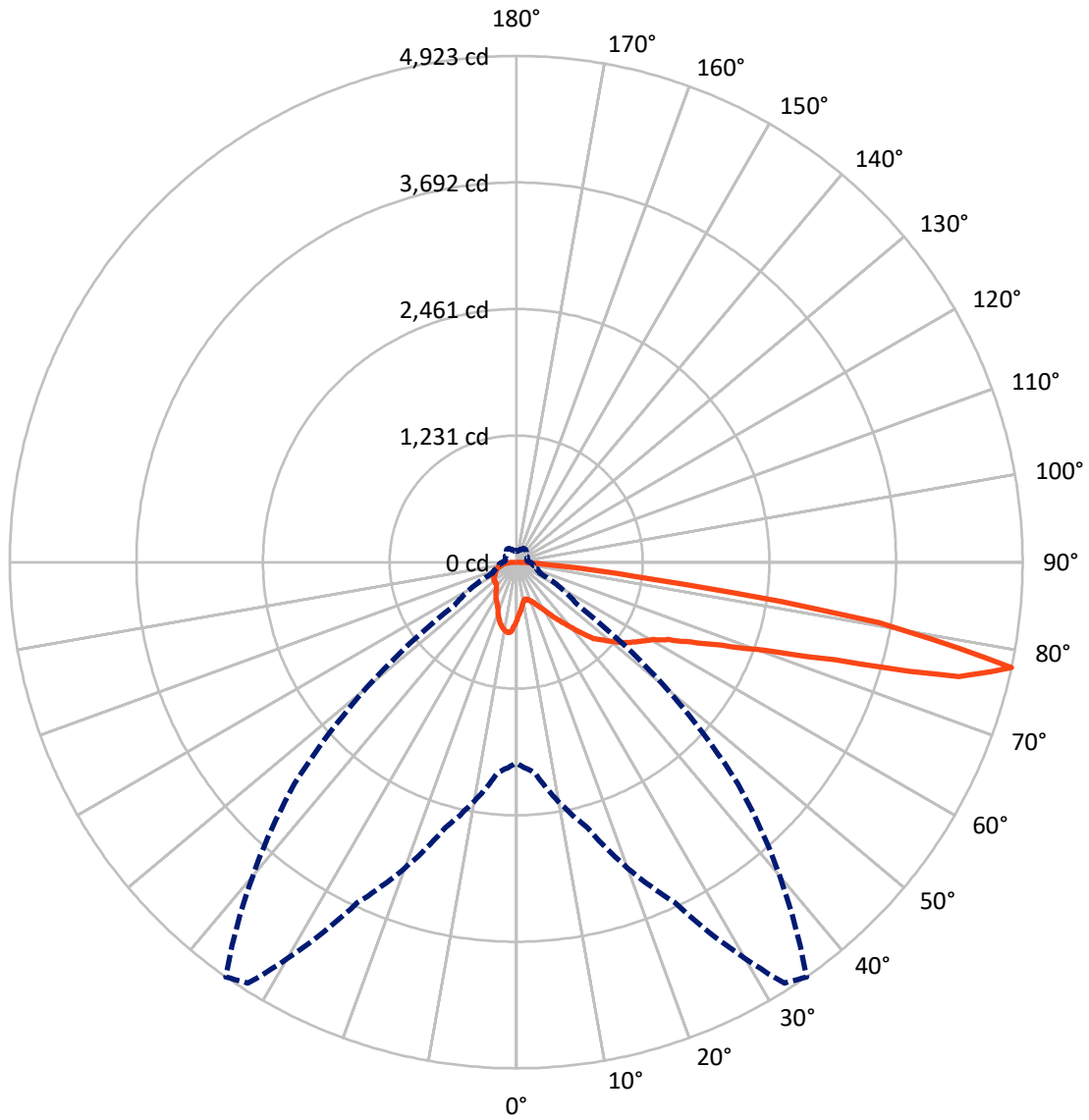
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.7 fc  
 Type IV - Medium - N/A

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CATALOG NUMBER: IFLD-M-SA4A-AMB-U-T4FT

### Luminous Intensity Polar Plot



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

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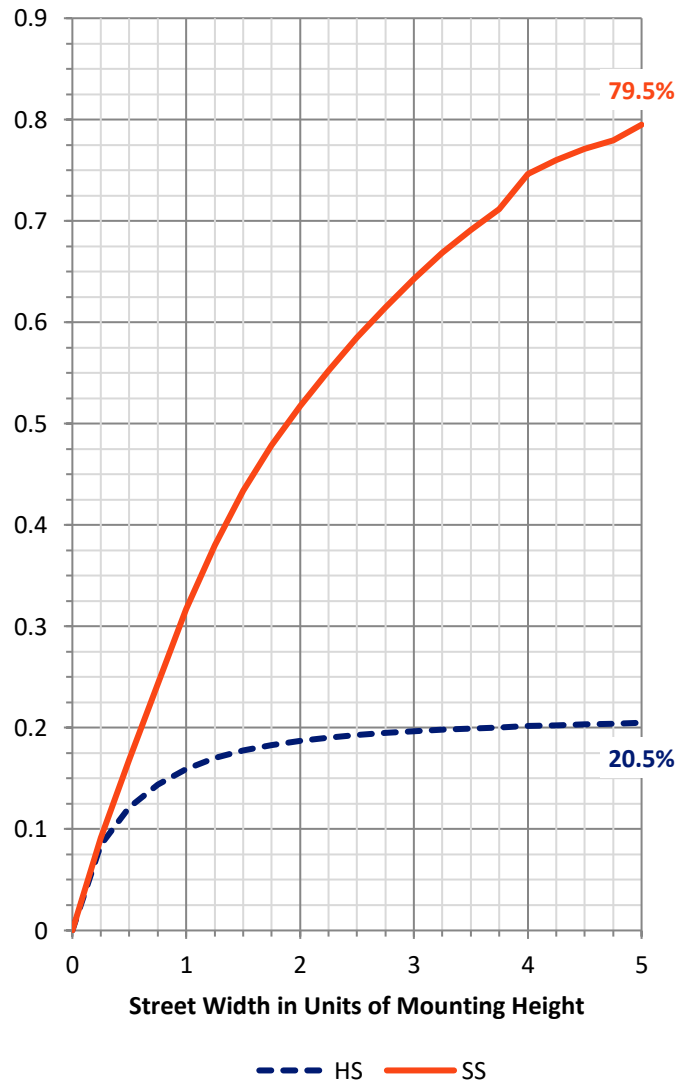
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	938.8	0.0	938.8
	% Fixture	20.9	0.0	20.9
<b>Street Side</b>	Lumens	3558.8	0.0	3558.8
	% Fixture	79.1	0.0	79.1
<b>Total</b>	Lumens	4497.6	0.0	4497.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	53.8	1.2
10°-20°	151.8	3.4
20°-30°	246.6	5.5
30°-40°	367.6	8.2
40°-50°	546.6	12.2
50°-60°	796.7	17.7
60°-70°	1061.4	23.6
70°-80°	1119.0	24.9
80°-90°	154.1	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°	4497.6	100.0
0°-180°	4497.6	100.0

**Coefficient of Utilization**

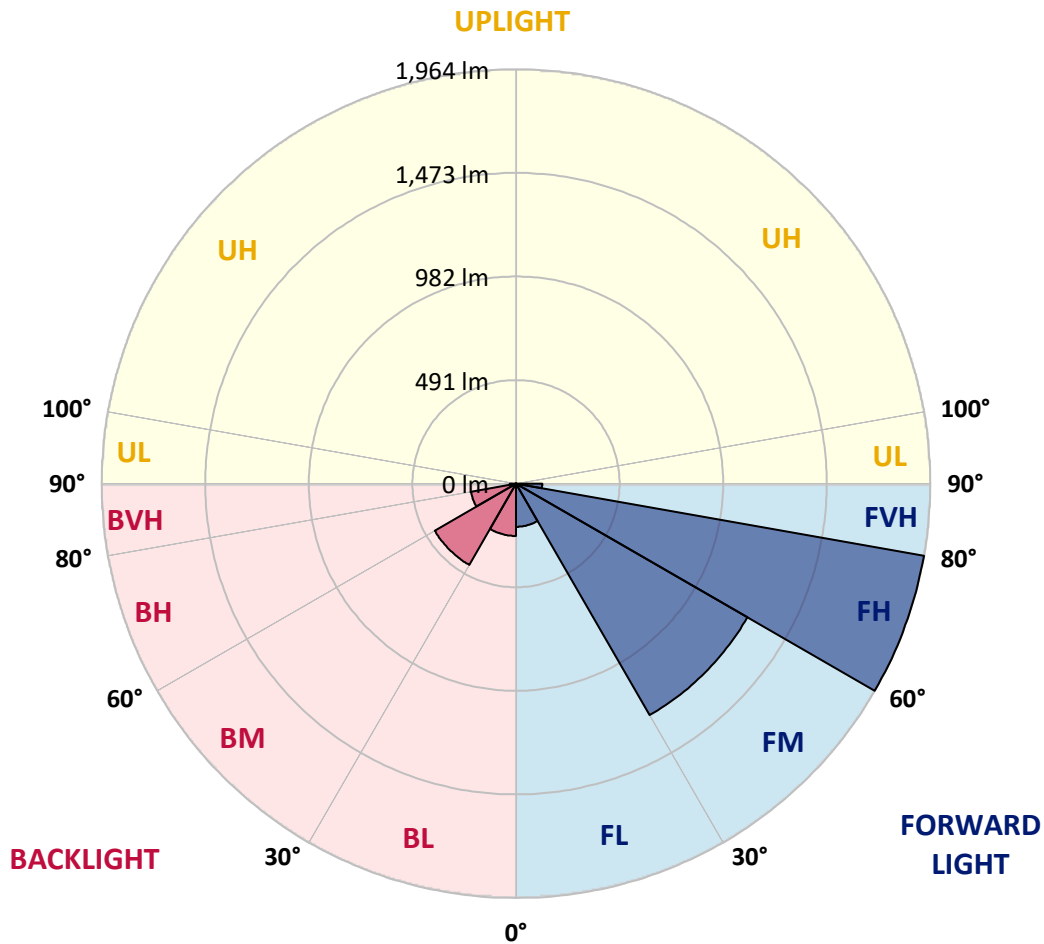


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	204.4	4.5			
FM (30°-60°)	1266.4	28.2			
FH (60°-80°)	1963.7	43.7			G2/5000
FVH (80°-90°)	124.3	2.8			G2/225
BL (0°-30°)	247.8	5.5	B1/500		
BM (30°-60°)	444.5	9.9	B1/1000		
BH (60°-80°)	216.7	4.8	B1/500		G1/500
BVH (80°-90°)	29.8	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°	566.7	566.7	566.7	566.7	566.7	566.7	566.7	566.7	566.7	566.7	566.7
2.5°	505.2	500.7	503.0	509.8	512.1	512.1	521.2	530.3	541.6	548.5	566.7
5°	439.2	446.1	446.1	462.0	471.1	468.8	477.9	500.7	516.6	541.6	566.7
7.5°	384.6	389.2	391.4	405.1	416.5	423.3	443.8	471.1	496.1	530.3	562.1
10°	357.3	355.0	357.3	364.1	377.8	386.9	411.9	446.1	482.5	525.7	566.7
12.5°	350.5	355.0	348.2	352.8	361.9	368.7	391.4	434.7	471.1	523.4	582.6
15°	371.0	371.0	357.3	361.9	368.7	373.2	396.0	430.1	473.4	528.0	598.5
17.5°	396.0	396.0	377.8	375.5	380.1	389.2	407.4	432.4	475.6	532.5	603.1
20°	430.1	425.6	398.3	391.4	398.3	400.5	423.3	450.6	484.8	539.4	621.3
22.5°	471.1	462.0	423.3	414.2	421.0	425.6	446.1	466.5	487.0	534.8	635.0
25°	518.9	507.5	466.5	452.9	457.4	457.4	466.5	487.0	496.1	539.4	650.9
27.5°	571.2	562.1	528.0	498.4	491.6	496.1	500.7	509.8	521.2	562.1	682.7
30°	641.8	639.5	600.8	555.3	548.5	543.9	537.1	546.2	550.8	580.3	723.7
32.5°	714.6	703.2	671.4	625.9	614.5	605.4	589.4	600.8	594.0	607.6	757.9
35°	769.2	757.9	732.8	707.8	689.6	678.2	650.9	662.3	641.8	635.0	812.5
37.5°	842.1	844.3	823.9	792.0	760.1	755.6	726.0	721.4	694.1	685.0	887.6
40°	917.2	926.3	896.7	885.3	842.1	842.1	828.4	810.2	764.7	735.1	969.5
42.5°	1035.5	1001.4	971.8	969.5	962.7	951.3	942.2	908.1	839.8	803.4	1097.0
45°	1108.3	1081.0	1035.5	1040.1	1056.0	1060.5	1065.1	1021.8	917.2	876.2	1203.9
47.5°	1122.0	1124.3	1097.0	1110.6	1108.3	1133.4	1194.8	1126.5	1024.1	967.2	1299.5
50°	1149.3	1137.9	1156.1	1190.3	1201.6	1215.3	1317.7	1254.0	1140.2	1067.4	1440.6
52.5°	1194.8	1181.2	1201.6	1254.0	1283.6	1299.5	1411.0	1367.8	1260.8	1178.9	1652.3
55°	1217.6	1210.7	1242.6	1294.9	1356.4	1374.6	1499.8	1524.8	1406.5	1315.4	1918.5
57.5°	1235.8	1235.8	1320.0	1372.3	1429.2	1445.2	1599.9	1670.5	1511.2	1504.3	2212.1
60°	1317.7	1297.2	1388.3	1436.1	1499.8	1529.4	1782.0	1838.9	1599.9	1645.4	2444.2
62.5°	1447.4	1426.9	1452.0	1543.0	1627.2	1659.1	1986.8	1957.2	1675.0	1759.2	2469.3
65°	1700.0	1670.5	1634.0	1668.2	1779.7	1870.7	2218.9	2080.1	1718.3	1741.0	2287.2
67.5°	2023.2	2014.1	1927.6	1882.1	2084.7	2155.2	2498.9	2189.4	1656.8	1597.6	1759.2
70°	2423.8	2350.9	2262.2	2273.6	2510.2	2567.1	2808.4	2125.6	1508.9	1258.5	1026.4
72.5°	2824.3	2765.1	2756.0	2849.3	3186.2	3243.1	3229.4	2050.5	1194.8	714.6	414.2
75°	3063.3	3033.7	3145.2	3627.7	4333.2	4447.0	3632.2	1640.9	628.1	295.9	207.1
77.5°	1952.7	2052.8	2674.1	3655.0	4854.4	4922.6	3047.3	732.8	257.2	188.9	154.8
80°	330.0	364.1	650.9	1820.7	3470.6	3573.1	1329.1	243.5	170.7	154.8	122.9
82.5°	102.4	107.0	175.2	407.4	1046.9	1167.5	289.0	143.4	129.7	118.3	88.8
85°	43.2	45.5	81.9	132.0	229.9	248.1	97.9	84.2	93.3	77.4	52.3
87.5°	13.7	15.9	34.1	52.3	86.5	86.5	38.7	36.4	47.8	41.0	22.8
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°	566.7	566.7	566.7	566.7	566.7	566.7	566.7	566.7	566.7	566.7	566.7
2.5°	575.8	580.3	587.2	605.4	609.9	625.9	625.9	628.1	637.2	628.1	641.8
5°	573.5	596.3	616.8	641.8	653.2	669.1	680.5	671.4	678.2	675.9	687.3
7.5°	578.1	607.6	648.6	669.1	689.6	691.9	689.6	675.9	675.9	671.4	680.5
10°	596.3	630.4	669.1	694.1	694.1	685.0	673.6	655.4	653.2	644.1	650.9
12.5°	623.6	646.3	705.5	710.1	687.3	678.2	646.3	625.9	623.6	596.3	603.1
15°	635.0	669.1	719.2	710.1	689.6	655.4	614.5	591.7	564.4	548.5	555.3
17.5°	655.4	694.1	735.1	705.5	671.4	628.1	573.5	539.4	514.3	496.1	500.7
20°	666.8	726.0	735.1	698.7	653.2	580.3	528.0	487.0	468.8	455.2	455.2
22.5°	689.6	748.7	744.2	685.0	623.6	539.4	475.6	452.9	446.1	443.8	441.5
25°	735.1	773.8	732.8	662.3	564.4	482.5	446.1	437.0	441.5	439.2	441.5
27.5°	776.1	801.1	730.5	621.3	496.1	425.6	421.0	432.4	432.4	434.7	434.7
30°	807.9	828.4	714.6	559.9	416.5	386.9	400.5	416.5	425.6	425.6	423.3
32.5°	858.0	853.4	689.6	491.6	364.1	357.3	373.2	398.3	411.9	411.9	409.6
35°	910.3	892.1	657.7	421.0	332.3	334.5	343.7	366.4	380.1	389.2	389.2
37.5°	987.7	924.0	625.9	350.5	311.8	309.5	320.9	334.5	343.7	345.9	350.5
40°	1076.5	980.9	559.9	309.5	295.9	295.9	305.0	307.2	305.0	302.7	309.5
42.5°	1188.0	1015.0	477.9	275.4	279.9	284.5	289.0	282.2	277.7	275.4	277.7
45°	1247.2	1028.7	398.3	254.9	259.4	282.2	282.2	277.7	266.3	252.6	248.1
47.5°	1297.2	1015.0	325.4	232.1	250.3	284.5	282.2	268.5	252.6	232.1	229.9
50°	1379.2	1021.8	273.1	218.5	245.8	289.0	277.7	254.9	241.2	216.2	216.2
52.5°	1499.8	1081.0	239.0	207.1	243.5	289.0	275.4	245.8	225.3	202.5	202.5
55°	1727.4	1181.2	209.4	200.3	236.7	282.2	268.5	236.7	204.8	184.3	184.3
57.5°	1950.4	1290.4	198.0	195.7	227.6	264.0	257.2	218.5	193.4	182.1	175.2
60°	2125.6	1283.6	184.3	188.9	211.7	248.1	236.7	204.8	184.3	175.2	173.0
62.5°	2116.5	1149.3	179.8	182.1	198.0	229.9	227.6	195.7	179.8	168.4	168.4
65°	1884.4	885.3	168.4	175.2	184.3	216.2	223.0	191.2	170.7	166.1	163.9
67.5°	1379.2	559.9	161.6	166.1	173.0	202.5	216.2	182.1	163.9	159.3	159.3
70°	735.1	314.1	152.5	157.0	163.9	191.2	204.8	177.5	152.5	154.8	152.5
72.5°	286.8	184.3	138.8	147.9	147.9	173.0	188.9	166.1	143.4	136.5	129.7
75°	168.4	138.8	122.9	129.7	134.3	154.8	170.7	152.5	129.7	118.3	113.8
77.5°	132.0	111.5	107.0	118.3	118.3	138.8	154.8	141.1	120.6	109.2	104.7
80°	102.4	86.5	91.0	100.1	100.1	129.7	145.7	122.9	100.1	91.0	86.5
82.5°	72.8	63.7	72.8	79.7	75.1	104.7	127.4	100.1	79.7	72.8	56.9
85°	41.0	41.0	52.3	50.1	50.1	66.0	86.5	66.0	47.8	38.7	36.4
87.5°	15.9	18.2	22.8	20.5	20.5	31.9	38.7	25.0	20.5	15.9	11.4
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)