

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: P481922

Luminaire Tested: **IFLD-M-SA4C-722-U-T2R-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P481922  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4C-722-U-T2R-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2R distribution lens with House Side Shield  
Light Source: (64) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

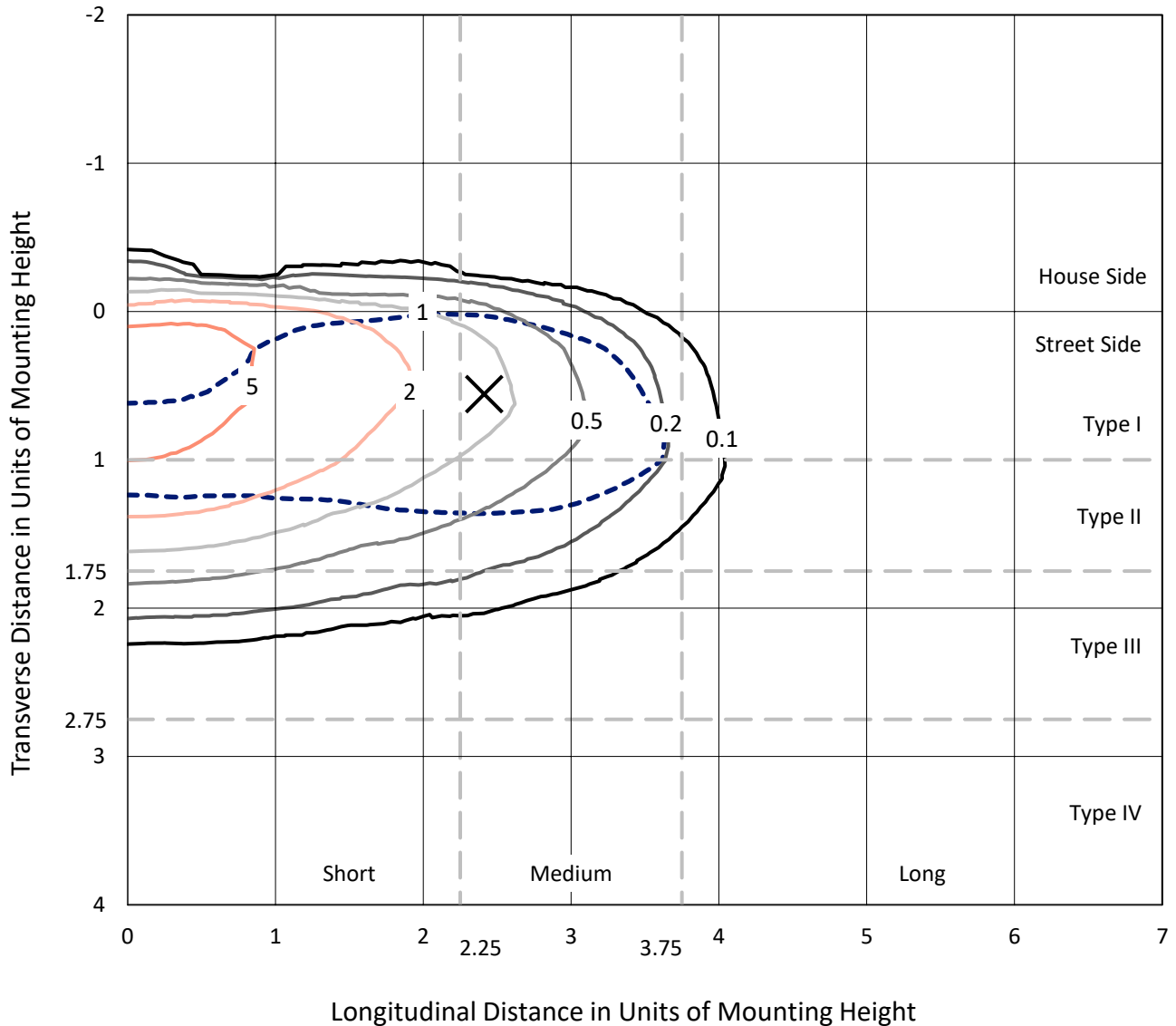
Lumens per Lamp: N/A  
Luminaire Lumens: 16465.4 lumens  
Efficiency: N/A  
Efficacy: 75.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 218.1  
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

REPORT NUMBER: P481922  
 CATALOG NUMBER: IFLD-M-SA4C-722-U-T2R-HSS

### Iso-Footcandle Lines of Horizontal Illumination

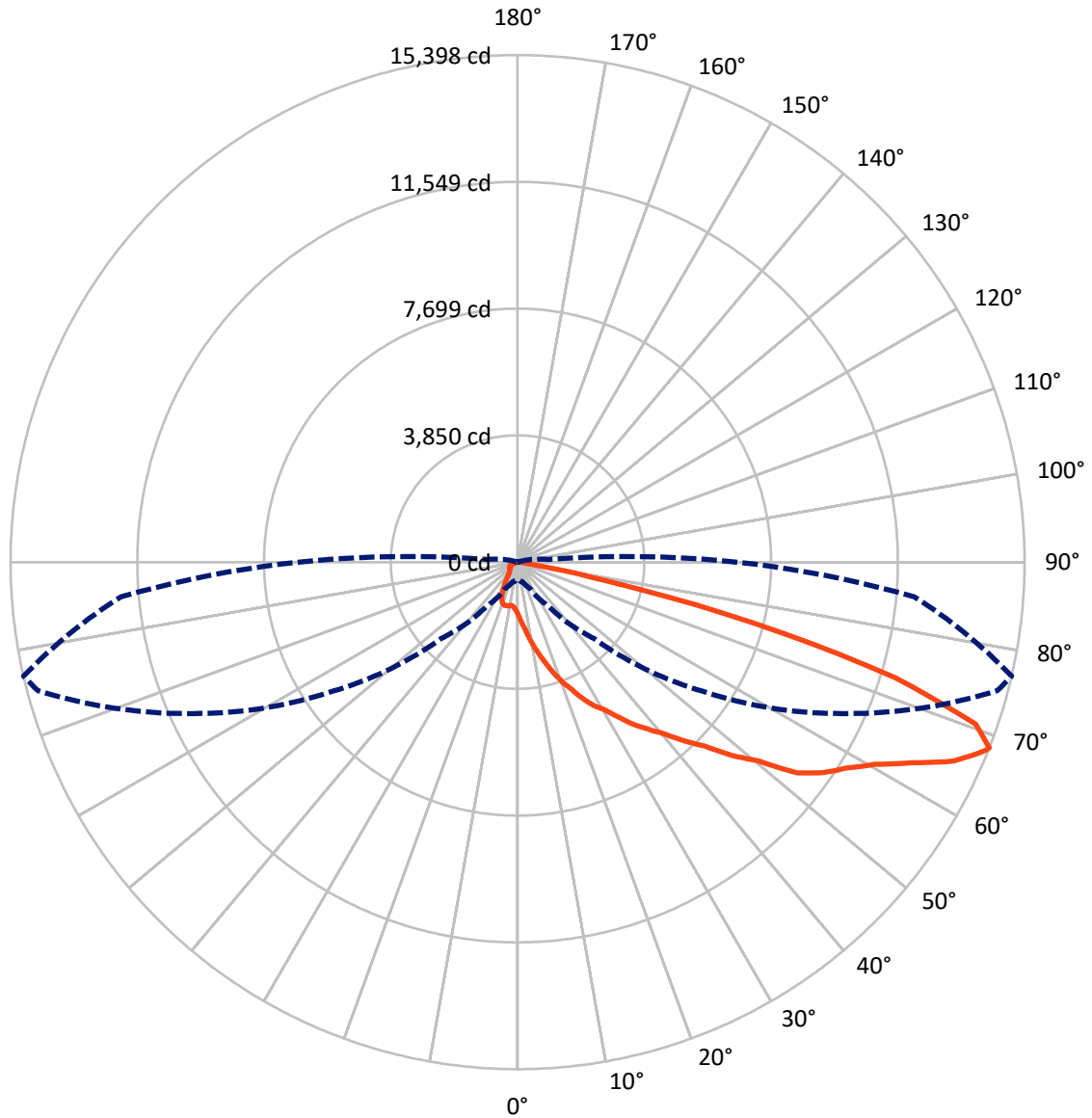
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 fc  
 Type II - Medium - N/A

REPORT NUMBER: P481922  
CATALOG NUMBER: IFLD-M-SA4C-722-U-T2R-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral      - - - Horizontal Cone Through 68-Deg Vertical

REPORT NUMBER: P481922  
 CATALOG NUMBER: IFLD-M-SA4C-722-U-T2R-HSS

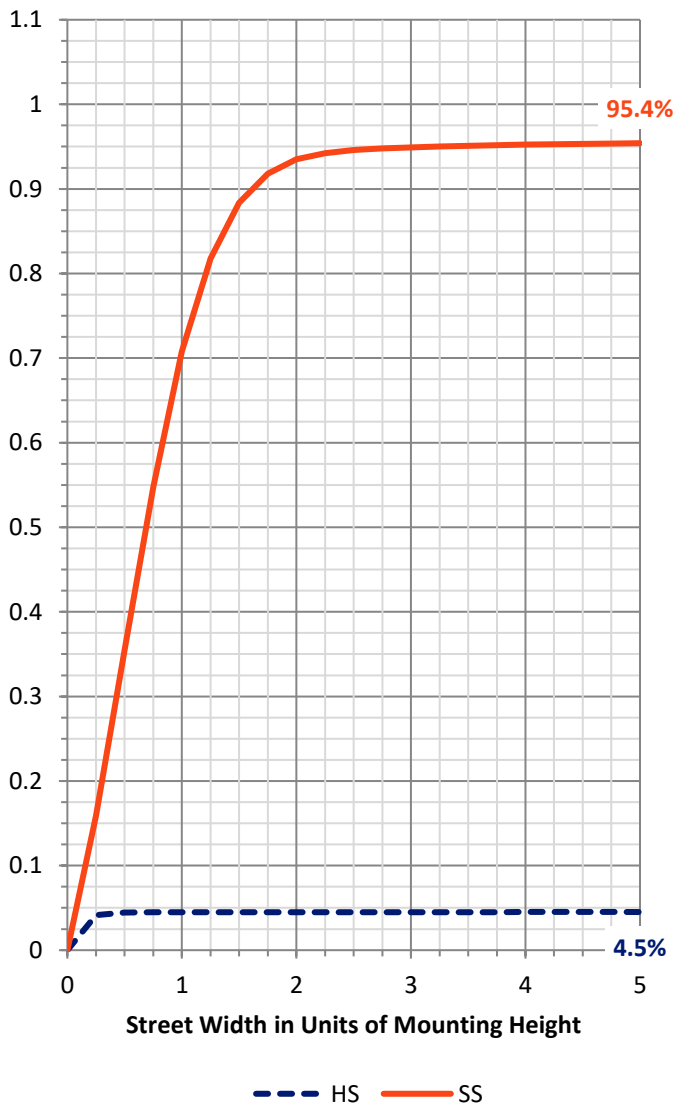
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	746.7	0.0	746.7
	% Fixture	4.5	0.0	4.5
<b>Street Side</b>	Lumens	15718.7	0.0	15718.7
	% Fixture	95.5	0.0	95.5
<b>Total</b>	Lumens	16465.4	0.0	16465.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	184.2	1.1
10°-20°	679.3	4.1
20°-30°	1316.5	8.0
30°-40°	2295.1	13.9
40°-50°	3361.4	20.4
50°-60°	3949.1	24.0
60°-70°	3334.7	20.3
70°-80°	1292.6	7.9
80°-90°	52.6	0.3
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°	16465.4	100.0
0°-180°	16465.4	100.0

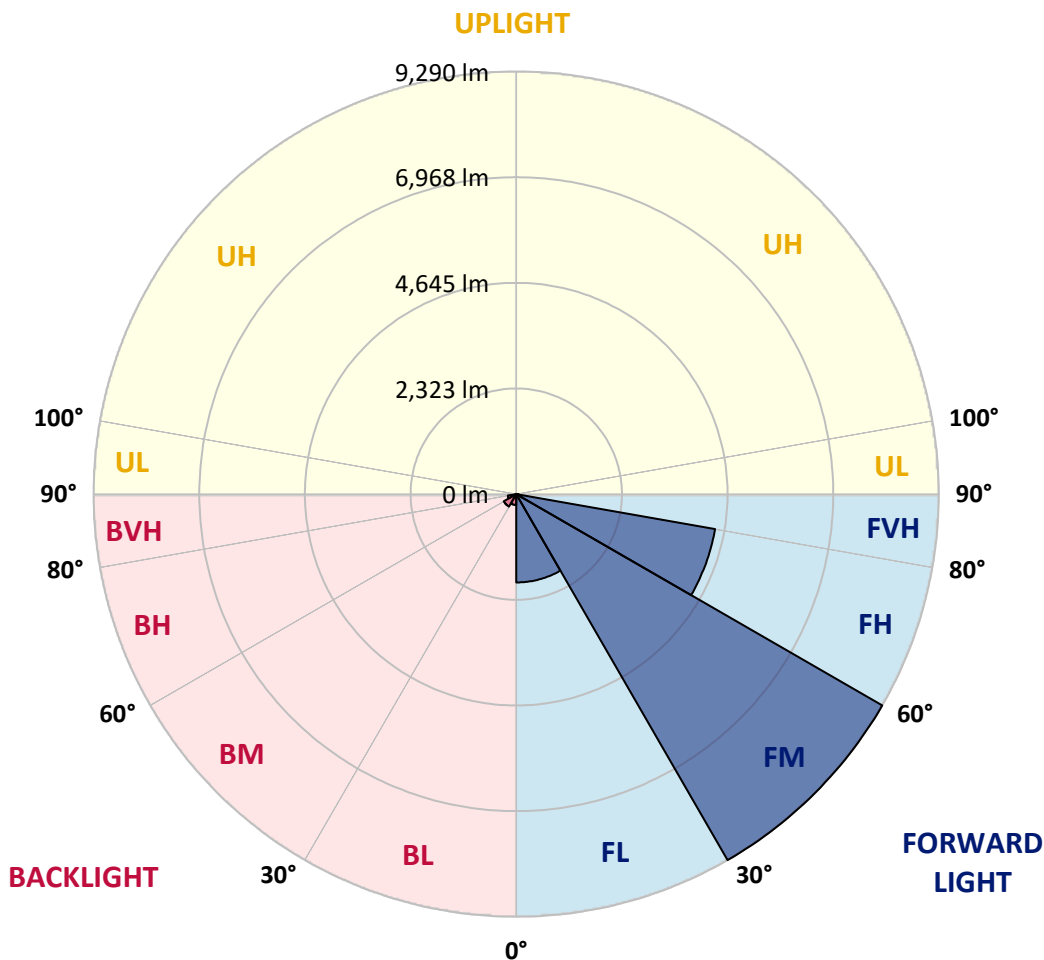


REPORT NUMBER: P481922  
 CATALOG NUMBER: IFLD-M-SA4C-722-U-T2R-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1941.4	11.8			
FM (30°-60°)	9290.1	56.4			
FH (60°-80°)	4438.7	27.0			G2/5000
FVH (80°-90°)	48.5	0.3			G1/100
BL (0°-30°)	238.6	1.4	B1/500		
BM (30°-60°)	315.5	1.9	B1/1000		
BH (60°-80°)	188.5	1.1	B1/500		G1/500
BVH (80°-90°)	4.1	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 II Medium





REPORT NUMBER: P481922

CATALOG NUMBER: IFLD-M-SA4C-722-U-T2R-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	1576.6	1576.6	1576.6	1576.6	1576.6	1576.6	1576.6	1576.6	1576.6	1576.6	1576.6
2.5°	2395.5	2350.1	2302.5	2288.9	2200.4	2100.6	2007.6	1916.9	1764.9	1767.1	1662.8
5°	3087.4	3030.7	2992.1	2983.0	2844.7	2672.3	2531.6	2275.3	2023.5	1966.8	1776.2
7.5°	3656.8	3638.6	3581.9	3534.3	3432.2	3221.2	3055.6	2688.1	2304.8	2241.2	1914.6
10°	4001.6	4028.8	4053.7	3992.5	3913.1	3761.1	3534.3	3137.3	2624.6	2545.2	2093.8
12.5°	4369.1	4323.7	4339.6	4389.5	4285.1	4251.1	3969.8	3600.1	2998.9	2846.9	2320.6
15°	4464.3	4482.5	4521.1	4666.2	4736.6	4639.0	4396.3	3974.4	3386.8	3175.9	2531.6
17.5°	4527.9	4518.8	4566.4	4784.2	4890.8	4983.8	4831.8	4391.8	3724.8	3536.5	2794.8
20°	4607.3	4557.3	4661.7	4800.1	5047.3	5242.4	5235.6	4811.4	4078.7	3879.1	3055.6
22.5°	4902.2	4863.6	4947.5	4961.1	5133.5	5405.8	5471.5	5154.0	4441.7	4196.7	3336.9
25°	5446.6	5516.9	5417.1	5330.9	5383.1	5562.3	5609.9	5457.9	4806.9	4582.3	3618.2
27.5°	6242.8	6233.7	6036.4	5925.2	5800.5	5777.8	5811.8	5741.5	5095.0	4933.9	3849.6
30°	7098.0	7023.2	6841.7	6574.0	6299.5	6129.4	6081.8	6009.2	5433.0	5199.3	4078.7
32.5°	7778.6	7819.4	7617.5	7268.2	6812.2	6583.1	6354.0	6274.6	5805.0	5598.6	4341.8
35°	8404.7	8350.2	8189.2	7894.3	7485.9	7116.2	6757.8	6587.6	6251.9	6047.7	4632.2
37.5°	8867.4	8935.5	8629.2	8348.0	7941.9	7635.7	7284.0	6912.0	6712.4	6440.2	4986.1
40°	9305.2	9198.6	8992.2	8733.6	8357.0	8123.4	7892.0	7311.3	7202.4	6850.8	5385.3
42.5°	9228.1	9234.9	9121.5	8912.8	8640.6	8506.7	8427.4	7796.7	7647.0	7422.4	5775.5
45°	8912.8	8940.0	8978.6	8876.5	8899.2	8765.4	8978.6	8354.8	8207.3	7969.1	6224.7
47.5°	8565.7	8611.1	8602.0	8788.0	8999.0	9044.4	9577.5	8974.1	8910.5	8779.0	6846.2
50°	7989.5	8007.7	8182.4	8520.4	8808.5	9282.6	10026.6	9650.1	9747.6	9489.0	7585.8
52.5°	7005.0	7070.8	7520.0	8003.1	8583.9	9402.8	10330.6	10655.0	10902.2	10636.8	8295.8
55°	5759.6	5850.4	6292.7	7197.8	8048.5	9221.3	10607.3	11185.8	11687.1	11285.6	8726.8
57.5°	4634.5	4643.6	5040.5	5975.1	7288.6	8865.2	10748.0	11444.4	12118.1	11796.0	9253.1
60°	3532.0	3495.7	3851.9	4661.7	6009.2	7989.5	10396.4	11576.0	12655.8	12469.8	9886.0
62.5°	2273.0	2216.3	2604.2	3393.6	4693.5	6530.9	9693.2	11578.3	13495.1	13424.8	10945.3
65°	1125.2	1086.6	1420.1	2080.2	3248.4	4995.2	8690.5	11535.2	14520.5	14565.8	11977.5
67.5°	594.3	607.9	714.6	1054.8	1873.8	3529.7	7179.7	11029.3	15044.5	15298.5	12227.0
68°	546.7	551.2	635.2	877.9	1626.5	3273.4	6821.3	10881.8	15085.3	15398.3	12088.7
70°	444.6	451.4	480.9	551.2	880.2	2130.1	5262.8	9629.6	14470.5	14756.4	10943.1
72.5°	353.9	374.3	392.4	421.9	517.2	1118.4	3273.4	7504.1	11954.8	11986.6	8518.1
75°	269.9	285.8	322.1	347.1	403.8	614.8	1558.4	4575.5	7844.4	7458.7	5017.8
77.5°	208.7	222.3	238.2	272.2	338.0	415.1	476.4	1941.8	3332.4	2742.6	1417.8
80°	124.8	133.8	186.0	213.2	294.9	281.3	188.3	539.9	676.0	533.1	258.6
82.5°	72.6	79.4	106.6	163.3	206.4	152.0	111.2	167.9	165.6	145.2	86.2
85°	2.3	4.5	59.0	97.5	72.6	40.8	68.1	70.3	59.0	54.4	38.6
87.5°	0.0	2.3	15.9	13.6	15.9	9.1	13.6	18.1	22.7	20.4	15.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P481922

CATALOG NUMBER: IFLD-M-SA4C-722-U-T2R-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1576.6	1576.6	1576.6	1576.6	1576.6	1576.6	1576.6	1576.6	1576.6	1576.6	1576.6
2.5°	1592.5	1542.6	1431.4	1347.5	1256.7	1202.3	1147.8	1113.8	1095.7	1084.3	1093.4
5°	1633.3	1528.9	1349.7	1190.9	1086.6	1016.3	946.0	909.7	875.6	857.5	868.8
7.5°	1724.0	1567.5	1270.3	1097.9	975.4	866.6	778.1	707.8	666.9	630.6	637.4
10°	1835.2	1590.2	1272.6	1043.5	866.6	694.2	569.4	480.9	431.0	399.3	397.0
12.5°	1948.6	1678.7	1281.7	989.1	732.7	521.7	374.3	308.5	279.0	263.1	263.1
15°	2121.0	1758.1	1259.0	889.2	555.8	340.3	256.3	233.7	222.3	208.7	211.0
17.5°	2270.7	1885.1	1247.7	739.5	381.1	245.0	213.2	188.3	176.9	163.3	163.3
20°	2472.6	1964.5	1186.4	571.7	263.1	204.2	172.4	149.7	131.6	120.2	122.5
22.5°	2656.4	2025.7	1077.5	390.2	201.9	161.1	127.0	104.3	88.5	74.9	77.1
25°	2856.0	2087.0	918.7	240.5	142.9	99.8	68.1	49.9	34.0	25.0	25.0
27.5°	2998.9	2105.1	712.3	142.9	86.2	45.4	15.9	2.3	0.0	0.0	0.0
30°	3144.1	2111.9	492.3	77.1	34.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	3309.7	2109.7	308.5	40.8	2.3	0.0	0.0	0.0	0.0	0.0	0.0
35°	3436.7	2071.1	147.5	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	3629.5	2014.4	45.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	3849.6	1912.3	9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	4046.9	1808.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	4271.5	1678.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	4666.2	1624.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	5181.2	1581.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	5498.8	1454.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	5664.4	1322.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	5909.4	1259.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	6272.3	1263.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	6839.4	1327.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	7152.5	1263.5	9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	6887.1	1011.7	43.1	11.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
68°	6657.9	930.1	43.1	11.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
70°	5503.3	605.7	40.8	11.3	4.5	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	4008.4	335.7	34.0	9.1	4.5	0.0	0.0	0.0	0.0	0.0	0.0
75°	2332.0	167.9	25.0	9.1	4.5	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	607.9	83.9	20.4	11.3	6.8	2.3	0.0	0.0	0.0	0.0	0.0
80°	120.2	54.4	18.1	13.6	9.1	4.5	0.0	0.0	0.0	0.0	0.0
82.5°	56.7	38.6	18.1	13.6	11.3	6.8	2.3	0.0	0.0	0.0	0.0
85°	29.5	18.1	18.1	13.6	13.6	9.1	4.5	0.0	0.0	0.0	0.0
87.5°	13.6	6.8	6.8	6.8	6.8	4.5	2.3	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)