

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: P476467

Luminaire Tested: **IFLD-L-SA7C-722-U-T2**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P476467  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7C-722-U-T2  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2 distribution lens  
Light Source: (112) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

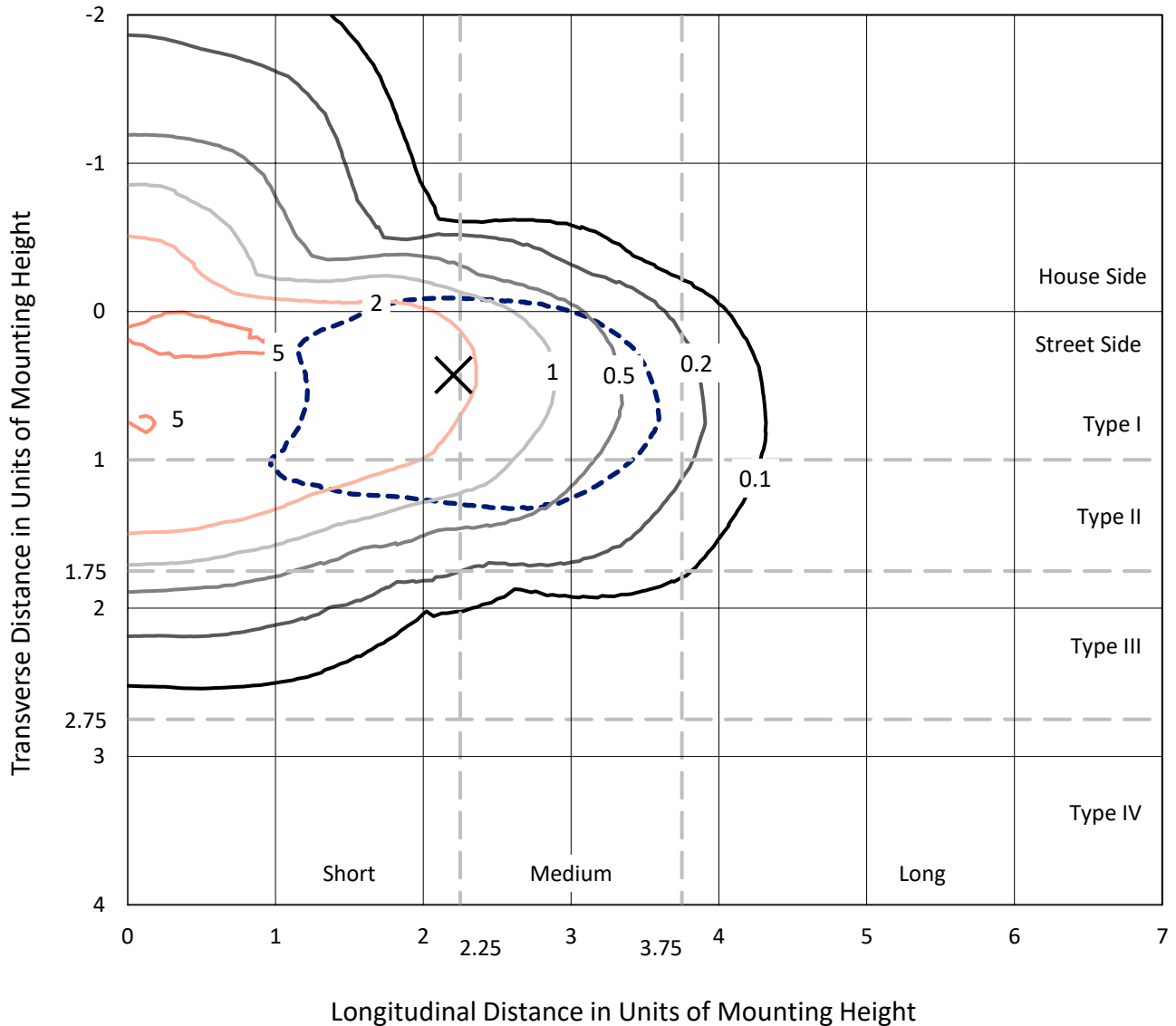
Lumens per Lamp: N/A  
Luminaire Lumens: 32614.7 lumens  
Efficiency: N/A  
Efficacy: 88.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G4

Input Watts (W): 369  
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

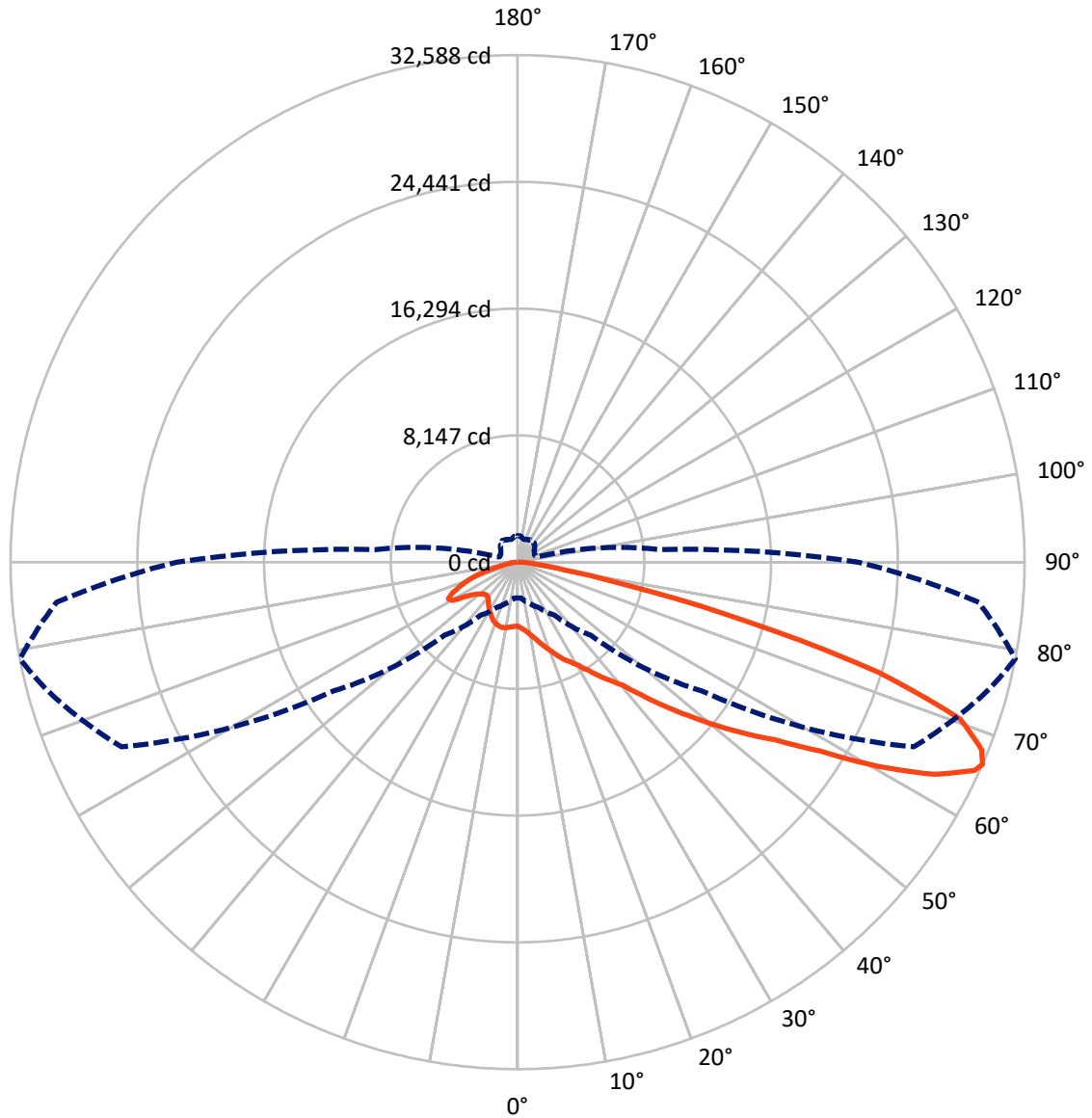
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5.8 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral      - - - Horizontal Cone Through 66-Deg Vertical

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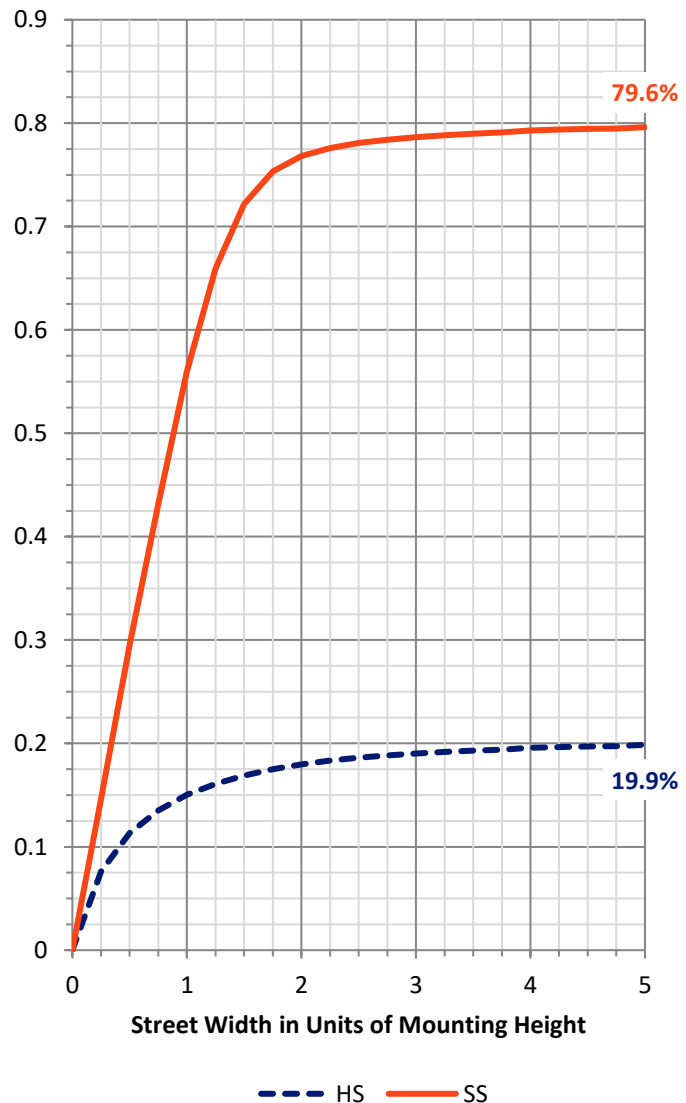
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6586.1	0.0	6586.1
	% Fixture	20.2	0.0	20.2
<b>Street Side</b>	Lumens	26028.6	0.0	26028.6
	% Fixture	79.8	0.0	79.8
<b>Total</b>	Lumens	32614.7	0.0	32614.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	405.0	1.2
10°-20°	1250.5	3.8
20°-30°	2146.5	6.6
30°-40°	3315.9	10.2
40°-50°	5311.2	16.3
50°-60°	7930.0	24.3
60°-70°	8148.1	25.0
70°-80°	3611.9	11.1
80°-90°	495.6	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°	32614.7	100.0
0°-180°	32614.7	100.0

**Coefficient of Utilization**



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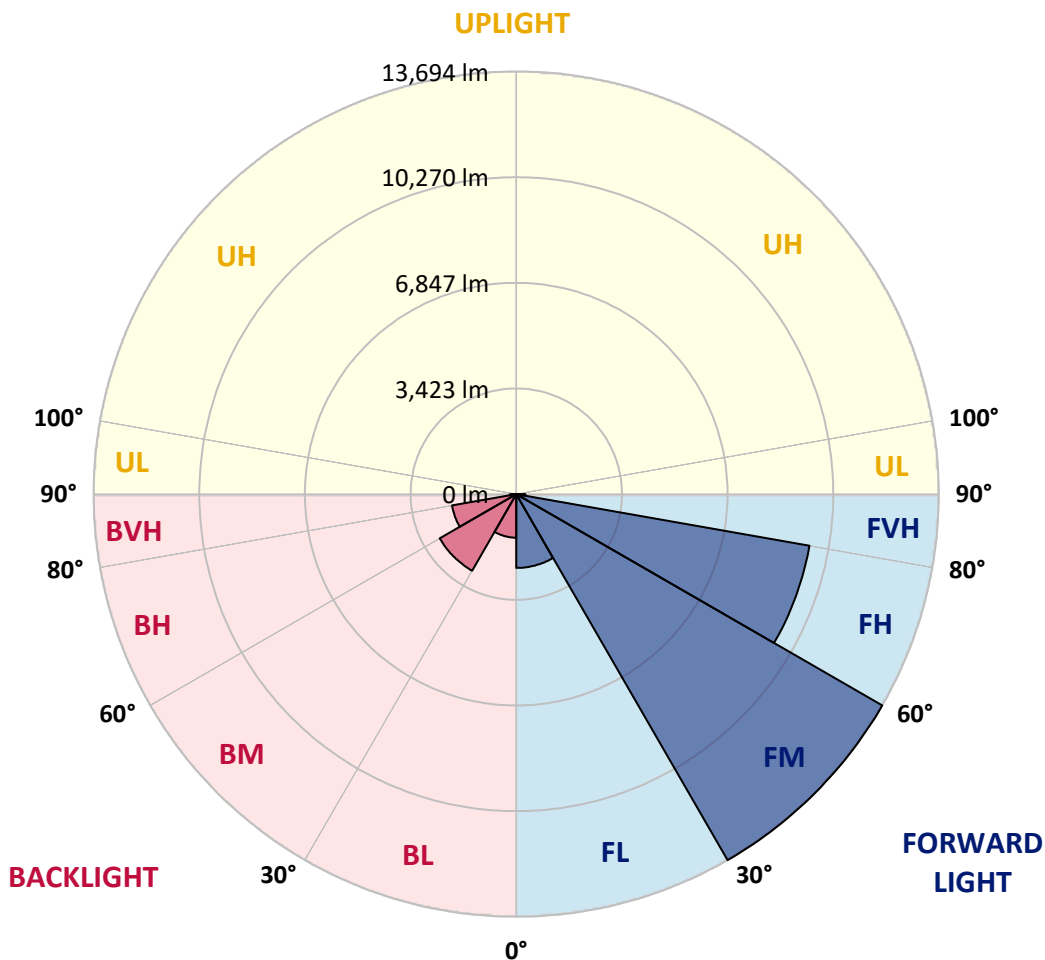
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2390.9	7.3			
FM (30°-60°)	13693.8	42.0			
FH (60°-80°)	9646.7	29.6			G4/12000
FVH (80°-90°)	297.2	0.9			G3/500
BL (0°-30°)	1411.1	4.3	B3/2500		
BM (30°-60°)	2863.3	8.8	B3/5000		
BH (60°-80°)	2113.3	6.5	B3/2500		G3/2500
BVH (80°-90°)	198.4	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	4118.3	4118.3	4118.3	4118.3	4118.3	4118.3	4118.3	4118.3	4118.3	4118.3	4118.3
2.5°	4380.2	4383.8	4383.8	4369.4	4373.0	4383.8	4344.3	4258.2	4258.2	4243.9	4218.8
5°	4649.3	4631.3	4606.2	4609.8	4595.5	4595.5	4552.4	4469.9	4398.1	4369.4	4294.1
7.5°	4685.1	4703.1	4699.5	4742.5	4764.1	4764.1	4785.6	4717.4	4609.8	4541.6	4466.3
10°	4756.9	4710.3	4706.7	4807.1	4839.4	4914.7	5000.8	4965.0	4875.3	4778.4	4678.0
12.5°	4799.9	4828.6	4828.6	4878.9	4954.2	5065.4	5216.1	5284.2	5144.3	5043.9	4889.6
15°	4864.5	4825.0	4939.8	4982.9	5126.4	5205.3	5420.6	5596.3	5503.1	5381.1	5137.2
17.5°	4893.2	4868.1	4932.7	5011.6	5255.5	5373.9	5635.8	5879.7	5800.8	5721.9	5470.8
20°	5040.3	5036.7	5065.4	5130.0	5305.8	5538.9	5865.4	6202.6	6231.3	6087.8	5747.0
22.5°	5399.0	5352.4	5352.4	5327.3	5402.6	5643.0	6084.2	6550.6	6679.7	6511.1	6059.1
25°	5729.1	5793.6	5754.2	5639.4	5610.7	5736.2	6242.1	6920.1	7092.3	6934.4	6482.4
27.5°	6152.4	6173.9	6242.1	6087.8	5890.5	5930.0	6414.3	7128.2	7483.3	7271.7	6722.8
30°	6762.2	6722.8	6708.4	6536.2	6277.9	6224.1	6611.6	7433.1	7996.3	7698.6	7006.2
32.5°	7174.8	7271.7	7268.1	7031.3	6719.2	6600.8	6855.5	7720.1	8545.2	8269.0	7529.9
35°	7992.7	8093.2	8014.2	7666.3	7300.4	7063.6	7207.1	8093.2	9173.0	8957.7	7974.8
37.5°	9036.7	9273.4	9104.8	8462.7	7946.1	7687.8	7695.0	8498.5	9815.1	9639.3	8451.9
40°	9757.7	10077.0	9843.8	9241.1	8692.3	8448.3	8351.5	8979.3	10582.8	10396.3	9198.1
42.5°	10651.0	10916.4	10794.5	10199.0	9556.8	9348.8	9155.0	9782.8	11755.9	11669.8	10155.9
45°	11626.8	11752.3	11712.9	11336.2	10622.3	10550.5	10123.6	10841.1	13137.0	13172.9	11354.1
47.5°	12534.4	12602.5	12677.9	12405.2	11960.4	12021.4	11239.3	11974.7	14478.7	14715.5	12688.6
50°	12767.5	13000.7	13176.5	13359.5	13456.3	13868.9	12469.8	13366.6	16021.3	16480.5	14173.8
52.5°	12530.8	12512.8	13047.4	13621.3	14589.9	15454.5	14145.1	15095.8	17384.5	18292.1	15533.4
55°	11454.6	11418.7	12279.7	13040.2	14930.7	16337.0	16537.9	17398.9	19031.1	20211.4	17373.8
57.5°	9571.2	9348.8	10288.7	11537.1	14191.7	16433.9	18941.5	20817.7	21563.8	22909.1	20182.7
60°	6432.2	6338.9	7239.4	8728.1	11522.7	15059.9	20380.0	25097.4	25133.3	26647.2	24541.4
62.5°	3960.5	3978.4	4556.0	5671.7	8068.1	11938.9	19759.4	28516.2	28523.4	30040.9	28128.8
65°	2590.1	2600.9	3067.2	3684.3	5040.3	8096.8	16340.6	28785.3	30880.3	32290.2	29771.8
66°	2306.7	2310.3	2712.1	3214.3	4175.7	6625.9	14432.1	28085.7	31411.2	32587.9	29750.3
67.5°	1944.4	1991.0	2313.9	2701.3	3257.4	4760.5	11451.0	26062.4	31138.6	32171.8	29075.9
70°	1521.1	1546.2	1800.9	2195.5	2443.0	2755.1	6805.3	21244.6	28501.9	30177.2	26622.1
72.5°	1219.7	1241.2	1435.0	1782.9	1983.8	1815.2	3705.8	15415.0	22514.5	24301.0	20939.6
75°	1029.6	1033.2	1126.4	1402.7	1632.3	1363.2	1973.1	9894.0	14446.4	15278.7	12828.5
77.5°	832.3	846.6	911.2	1069.0	1313.0	1072.6	1176.7	5542.5	7253.7	7314.7	5930.0
80°	678.0	685.2	724.7	778.5	1000.9	792.8	796.4	2704.9	3110.3	3038.5	2410.7
82.5°	534.5	541.7	588.3	577.6	735.4	566.8	495.1	1302.2	1431.4	1402.7	1108.5
85°	301.3	301.3	462.8	462.8	466.4	358.7	301.3	613.4	756.9	706.7	520.2
87.5°	96.9	100.4	139.9	147.1	233.2	161.4	147.1	229.6	358.7	315.7	186.5
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°	4118.3	4118.3	4118.3	4118.3	4118.3	4118.3	4118.3	4118.3	4118.3	4118.3	4118.3
2.5°	4204.4	4147.0	4121.9	4039.4	4017.9	3964.1	3939.0	3906.7	3895.9	3849.3	3892.3
5°	4236.7	4218.8	4118.3	4014.3	3935.4	3899.5	3845.7	3773.9	3766.8	3702.2	3695.0
7.5°	4373.0	4312.1	4136.3	4025.1	3867.2	3777.5	3659.1	3623.3	3576.6	3555.1	3601.7
10°	4584.7	4430.4	4168.6	3888.7	3695.0	3587.4	3501.3	3476.2	3479.8	3465.4	3443.9
12.5°	4735.4	4588.3	4114.7	3773.9	3522.8	3418.8	3411.6	3436.7	3476.2	3458.3	3483.4
15°	4950.6	4674.4	4075.3	3583.8	3382.9	3354.2	3350.6	3426.0	3422.4	3422.4	3418.8
17.5°	5151.5	4760.5	3931.8	3418.8	3235.8	3257.4	3282.5	3278.9	3314.8	3329.1	3354.2
20°	5406.2	4860.9	3730.9	3253.8	3124.6	3117.4	3113.9	3117.4	3153.3	3174.8	3156.9
22.5°	5628.6	4882.4	3562.3	3095.9	2991.9	2963.2	2916.6	2963.2	2945.3	2952.4	2974.0
25°	5822.3	4886.0	3321.9	2977.5	2859.2	2794.6	2758.7	2755.1	2722.8	2719.2	2719.2
27.5°	5983.8	4764.1	3110.3	2812.5	2701.3	2640.3	2636.7	2597.3	2514.8	2461.0	2468.1
30°	6109.3	4670.8	2963.2	2669.0	2561.4	2550.6	2518.4	2428.7	2321.0	2252.9	2252.9
32.5°	6331.8	4484.2	2762.3	2521.9	2468.1	2453.8	2378.4	2299.5	2199.1	2134.5	2123.7
35°	6496.8	4312.1	2629.6	2396.4	2371.3	2342.6	2278.0	2191.9	2163.2	2148.9	2159.6
37.5°	6683.3	4118.3	2468.1	2288.8	2313.9	2260.1	2184.7	2145.3	2245.7	2220.6	2231.4
40°	6981.1	3982.0	2310.3	2224.2	2249.3	2188.3	2091.5	2077.1	2202.7	2113.0	2091.5
42.5°	7526.4	3978.4	2213.4	2127.3	2145.3	2098.6	2012.5	2005.4	2055.6	1948.0	1915.7
45°	8204.4	4104.0	2141.7	2055.6	2041.2	2034.1	2005.4	1973.1	1930.0	1790.1	1754.2
47.5°	9015.1	4308.5	2127.3	1948.0	1965.9	2026.9	1991.0	1908.5	1797.3	1707.6	1689.7
50°	9998.1	4731.8	2091.5	1869.0	1901.3	1998.2	1969.5	1854.7	1754.2	1696.8	1686.1
52.5°	11085.1	5266.3	2044.8	1747.1	1818.8	1973.1	1987.4	1879.8	1732.7	1682.5	1675.3
55°	12365.8	6055.5	1991.0	1614.3	1722.0	1948.0	1987.4	1808.0	1704.0	1704.0	1696.8
57.5°	14894.9	7476.1	1879.8	1492.4	1635.9	1901.3	1930.0	1811.6	1707.6	1707.6	1693.3
60°	18604.2	9693.1	1668.1	1399.1	1553.3	1836.7	1887.0	1757.8	1668.1	1689.7	1686.1
62.5°	21506.4	10367.6	1488.8	1309.4	1470.8	1718.4	1829.6	1700.4	1621.5	1700.4	1707.6
65°	22127.1	9686.0	1305.8	1212.5	1356.0	1603.6	1747.1	1617.9	1553.3	1707.6	1714.8
66°	21904.6	9155.0	1241.2	1183.8	1305.8	1546.2	1696.8	1589.2	1517.5	1700.4	1704.0
67.5°	20914.5	8358.6	1169.5	1122.9	1237.7	1463.7	1639.4	1549.8	1460.1	1678.9	1646.6
70°	18762.1	7088.7	1047.5	1015.2	1140.8	1327.3	1506.7	1449.3	1370.4	1546.2	1488.8
72.5°	14450.0	5664.5	918.4	922.0	1029.6	1187.4	1374.0	1334.5	1266.4	1356.0	1320.2
75°	8799.9	3619.7	800.0	807.2	896.8	1054.7	1248.4	1219.7	1137.2	1187.4	1169.5
77.5°	3899.5	1793.7	674.4	688.8	760.5	929.1	1087.0	1040.3	954.2	965.0	957.8
80°	1513.9	850.2	548.9	566.8	613.4	742.6	900.4	857.4	782.1	767.7	760.5
82.5°	728.2	473.5	423.3	430.5	448.4	591.9	774.9	721.1	620.6	556.0	556.0
85°	365.9	294.2	297.8	272.6	297.8	401.8	523.8	437.7	362.3	322.9	330.0
87.5°	147.1	147.1	147.1	125.6	132.7	190.1	243.9	165.0	150.7	89.7	89.7
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)