

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: P476455

Luminaire Tested: **IFLD-S-SA6A-722-U-T2**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P476455  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6A-722-U-T2  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2 distribution lens  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

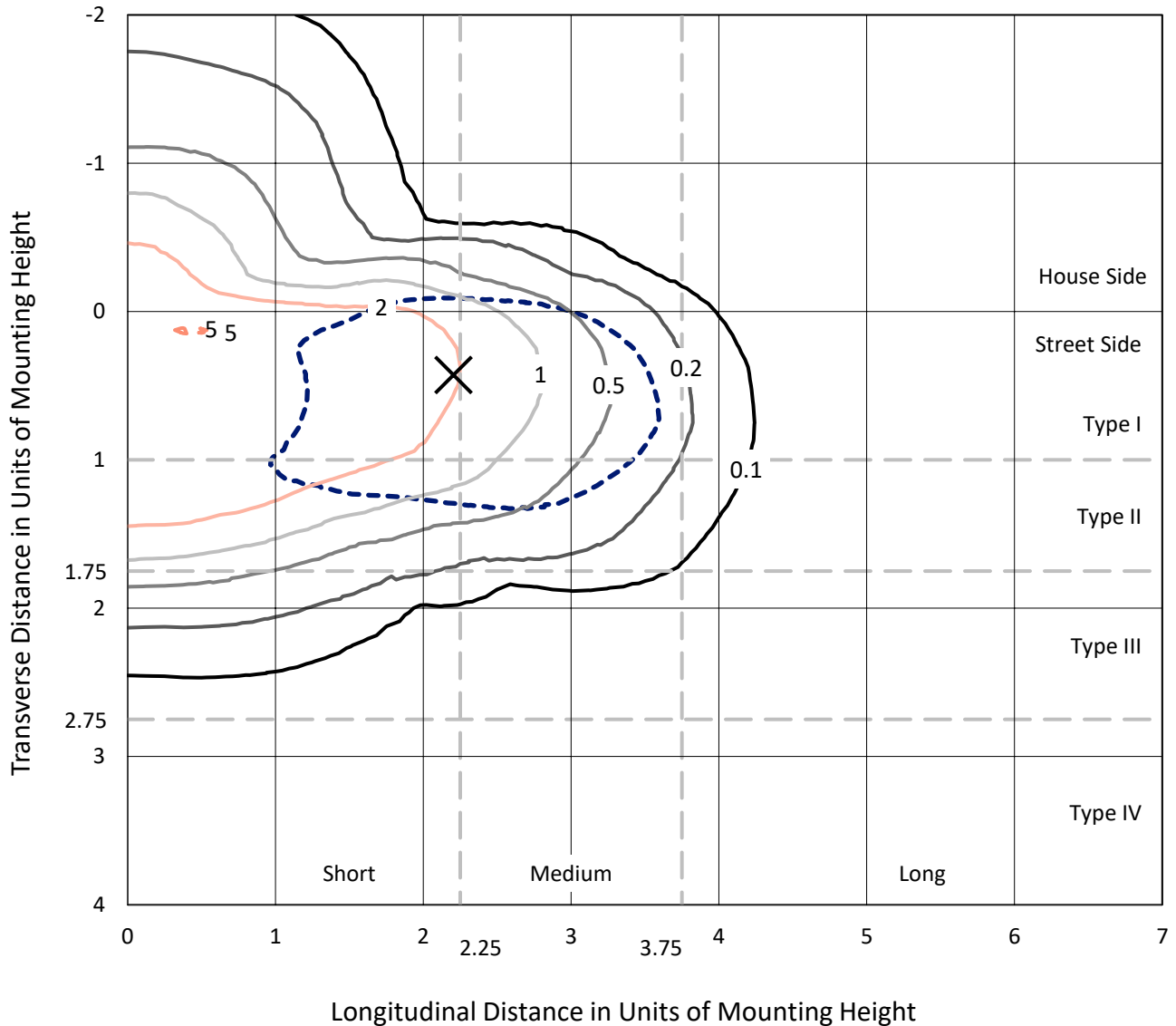
Lumens per Lamp: N/A  
Luminaire Lumens: 19856.8 lumens  
Efficiency: N/A  
Efficacy: 104.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3

Input Watts (W): 189.6  
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

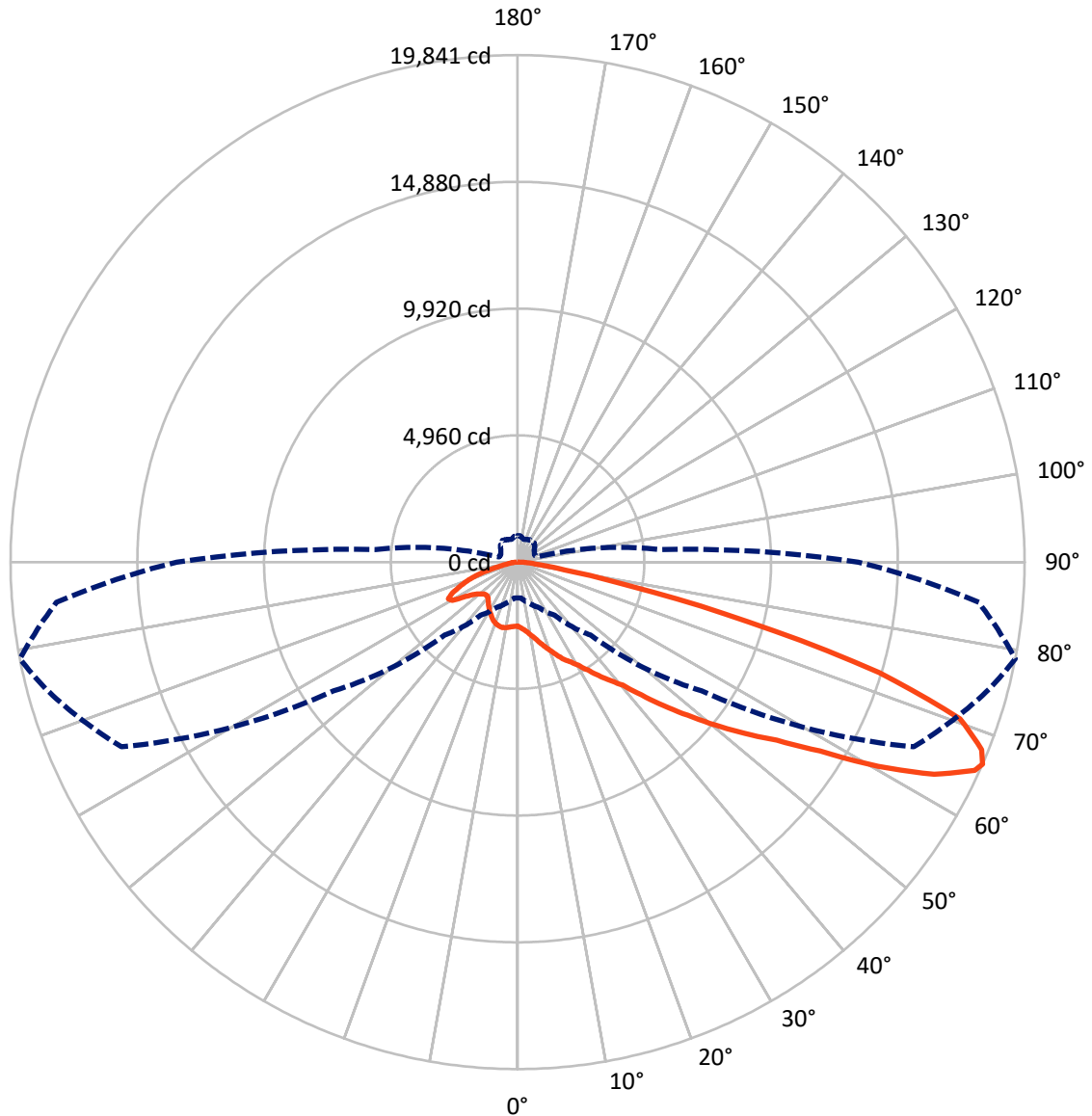
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 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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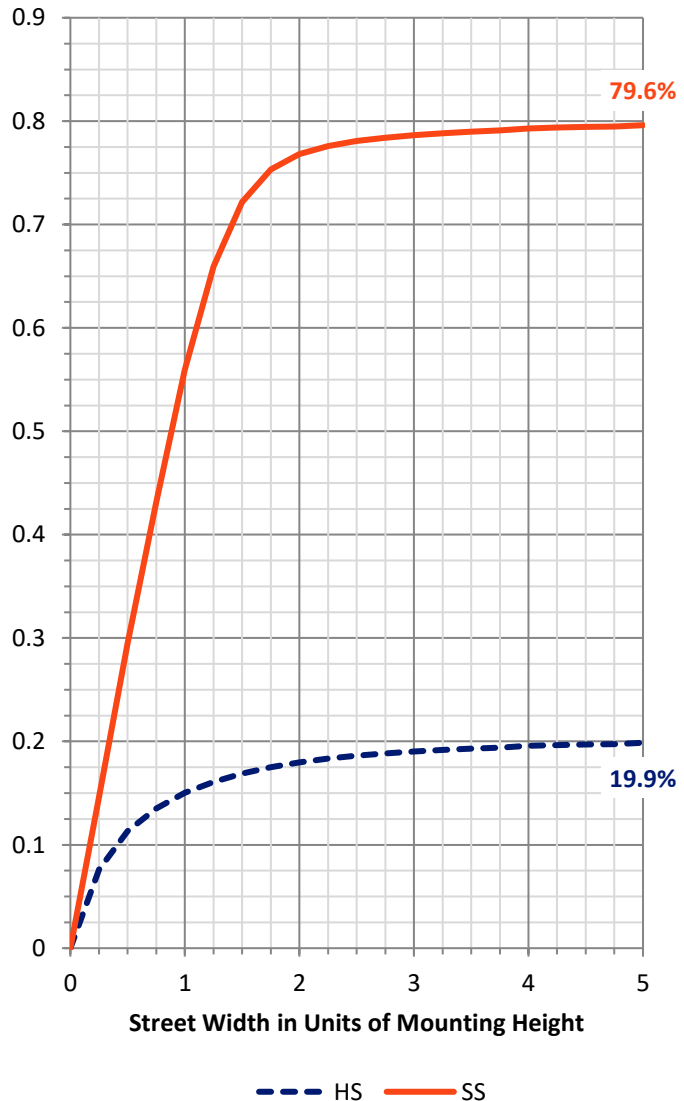
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4009.8	0.0	4009.8
	% Fixture	20.2	0.0	20.2
<b>Street Side</b>	Lumens	15847.0	0.0	15847.0
	% Fixture	79.8	0.0	79.8
<b>Total</b>	Lumens	19856.8	0.0	19856.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	246.5	1.2
10°-20°	761.3	3.8
20°-30°	1306.8	6.6
30°-40°	2018.8	10.2
40°-50°	3233.6	16.3
50°-60°	4828.0	24.3
60°-70°	4960.8	25.0
70°-80°	2199.1	11.1
80°-90°	301.7	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°	19856.8	100.0
0°-180°	19856.8	100.0

**Coefficient of Utilization**



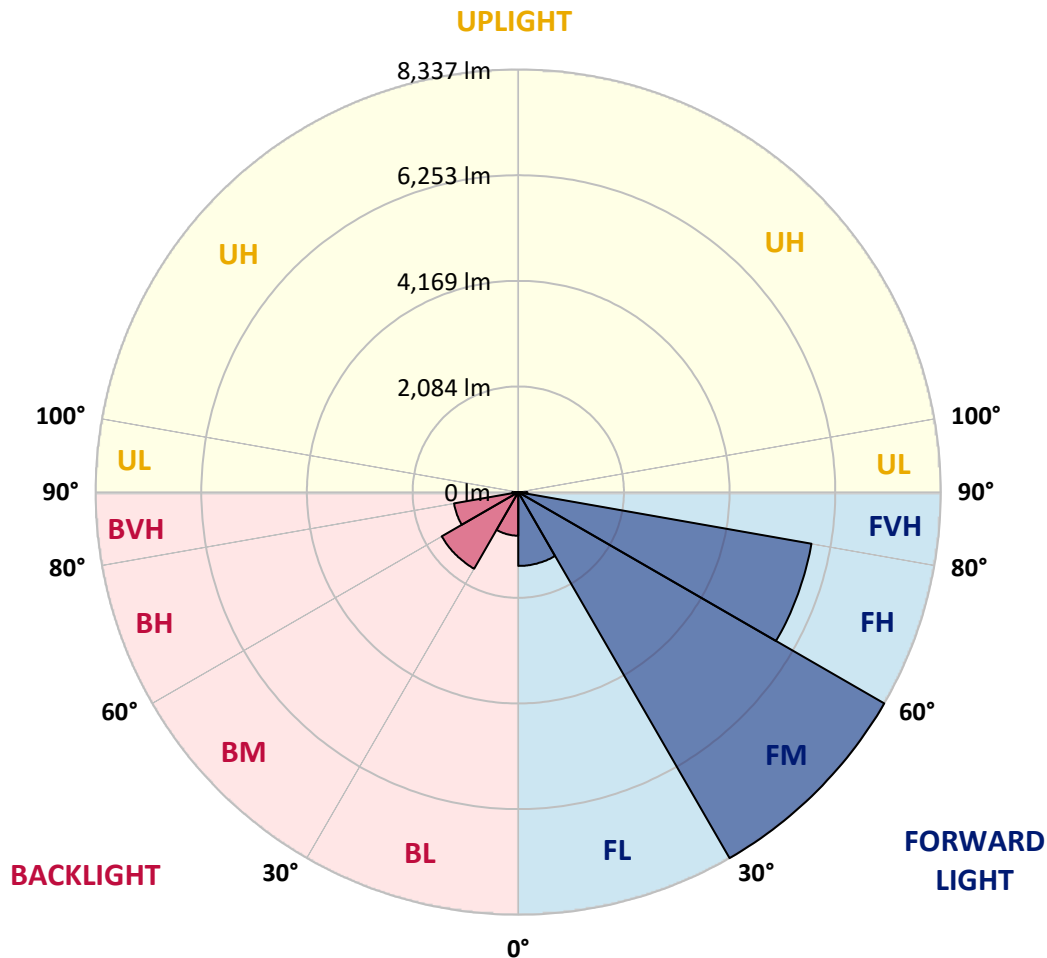
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1455.6	7.3			
FM (30°-60°)	8337.2	42.0			
FH (60°-80°)	5873.2	29.6			G3/7500
FVH (80°-90°)	181.0	0.9			G2/225
BL (0°-30°)	859.1	4.3	B2/1000		
BM (30°-60°)	1743.3	8.8	B2/2500		
BH (60°-80°)	1286.7	6.5	B3/2500		G3/2500
BVH (80°-90°)	120.8	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-G3**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	2507.4	2507.4	2507.4	2507.4	2507.4	2507.4	2507.4	2507.4	2507.4	2507.4	2507.4
2.5°	2666.8	2669.0	2669.0	2660.3	2662.4	2669.0	2645.0	2592.5	2592.5	2583.8	2568.5
5°	2830.6	2819.7	2804.4	2806.6	2797.8	2797.8	2771.6	2721.4	2677.7	2660.3	2614.4
7.5°	2852.5	2863.4	2861.2	2887.4	2900.5	2900.5	2913.6	2872.1	2806.6	2765.1	2719.2
10°	2896.1	2867.7	2865.6	2926.7	2946.4	2992.2	3044.7	3022.8	2968.2	2909.2	2848.1
12.5°	2922.3	2939.8	2939.8	2970.4	3016.3	3084.0	3175.7	3217.2	3132.0	3070.9	2976.9
15°	2961.7	2937.6	3007.5	3033.7	3121.1	3169.1	3300.2	3407.2	3350.4	3276.2	3127.7
17.5°	2979.1	2963.8	3003.2	3051.2	3199.7	3271.8	3431.2	3579.8	3531.7	3483.7	3330.8
20°	3068.7	3066.5	3084.0	3123.3	3230.3	3372.3	3571.0	3776.3	3793.8	3706.4	3499.0
22.5°	3287.1	3258.7	3258.7	3243.4	3289.3	3435.6	3704.3	3988.2	4066.8	3964.2	3689.0
25°	3488.0	3527.3	3503.3	3433.4	3416.0	3492.4	3800.4	4213.2	4318.0	4221.9	3946.7
27.5°	3745.8	3758.9	3800.4	3706.4	3586.3	3610.3	3905.2	4339.8	4556.1	4427.2	4093.0
30°	4117.1	4093.0	4084.3	3979.5	3822.2	3789.4	4025.3	4525.5	4868.4	4687.1	4265.6
32.5°	4368.2	4427.2	4425.0	4280.9	4090.8	4018.8	4173.8	4700.2	5202.6	5034.4	4584.5
35°	4866.2	4927.4	4879.3	4667.5	4444.7	4300.5	4387.9	4927.4	5584.8	5453.7	4855.3
37.5°	5501.8	5645.9	5543.3	5152.3	4837.8	4680.6	4684.9	5174.2	5975.7	5868.7	5145.8
40°	5940.8	6135.2	5993.2	5626.3	5292.1	5143.6	5084.6	5466.8	6443.1	6329.6	5600.1
42.5°	6484.6	6646.3	6572.0	6209.4	5818.5	5691.8	5573.9	5956.1	7157.3	7104.9	6183.2
45°	7078.7	7155.2	7131.1	6901.8	6467.2	6423.5	6163.6	6600.4	7998.2	8020.1	6912.7
47.5°	7631.3	7672.8	7718.7	7552.7	7281.8	7319.0	6842.8	7290.6	8815.1	8959.2	7725.2
50°	7773.3	7915.2	8022.2	8133.6	8192.6	8443.8	7592.0	8138.0	9754.3	10033.8	8629.4
52.5°	7629.1	7618.2	7943.6	8293.1	8882.8	9409.2	8612.0	9190.8	10584.2	11136.8	9457.2
55°	6973.9	6952.0	7476.2	7939.3	9090.3	9946.5	10068.8	10593.0	11586.7	12305.3	10577.7
57.5°	5827.2	5691.8	6264.0	7024.1	8640.4	10005.4	11532.1	12674.4	13128.7	13947.8	12287.8
60°	3916.1	3859.3	4407.5	5313.9	7015.4	9168.9	12408.0	15280.1	15301.9	16223.6	14941.5
62.5°	2411.3	2422.2	2773.8	3453.1	4912.1	7268.7	12030.1	17361.5	17365.9	18289.8	17125.6
65°	1576.9	1583.5	1867.4	2243.1	3068.7	4929.5	9948.6	17525.3	18800.9	19659.2	18126.0
66°	1404.4	1406.6	1651.2	1957.0	2542.3	4034.1	8786.7	17099.4	19124.1	19840.5	18112.9
67.5°	1183.8	1212.2	1408.8	1644.6	1983.2	2898.3	6971.7	15867.6	18958.1	19587.1	17702.2
70°	926.1	941.4	1096.4	1336.7	1487.4	1677.4	4143.3	12934.3	17352.8	18372.8	16208.3
72.5°	742.6	755.7	873.6	1085.5	1207.8	1105.2	2256.2	9385.1	13707.5	14795.2	12748.7
75°	626.8	629.0	685.8	854.0	993.8	830.0	1201.3	6023.8	8795.4	9302.1	7810.4
77.5°	506.7	515.5	554.8	650.9	799.4	653.1	716.4	3374.5	4416.3	4453.4	3610.3
80°	412.8	417.2	441.2	474.0	609.4	482.7	484.9	1646.8	1893.6	1849.9	1467.7
82.5°	325.4	329.8	358.2	351.6	447.7	345.1	301.4	792.8	871.5	854.0	674.9
85°	183.5	183.5	281.8	281.8	283.9	218.4	183.5	373.5	460.8	430.3	316.7
87.5°	59.0	61.2	85.2	89.5	142.0	98.3	89.5	139.8	218.4	192.2	113.6
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°	2507.4	2507.4	2507.4	2507.4	2507.4	2507.4	2507.4	2507.4	2507.4	2507.4	2507.4
2.5°	2559.8	2524.8	2509.5	2459.3	2446.2	2413.4	2398.2	2378.5	2371.9	2343.6	2369.8
5°	2579.4	2568.5	2507.4	2444.0	2396.0	2374.1	2341.4	2297.7	2293.3	2254.0	2249.6
7.5°	2662.4	2625.3	2518.3	2450.6	2354.5	2299.9	2227.8	2206.0	2177.6	2164.5	2192.9
10°	2791.3	2697.4	2537.9	2367.6	2249.6	2184.1	2131.7	2116.4	2118.6	2109.9	2096.7
12.5°	2883.0	2793.5	2505.2	2297.7	2144.8	2081.5	2077.1	2092.4	2116.4	2105.5	2120.8
15°	3014.1	2845.9	2481.2	2181.9	2059.6	2042.1	2040.0	2085.8	2083.6	2083.6	2081.5
17.5°	3136.4	2898.3	2393.8	2081.5	1970.1	1983.2	1998.5	1996.3	2018.1	2026.9	2042.1
20°	3291.5	2959.5	2271.5	1981.0	1902.4	1898.0	1895.8	1898.0	1919.8	1932.9	1922.0
22.5°	3426.9	2972.6	2168.8	1884.9	1821.6	1804.1	1775.7	1804.1	1793.2	1797.5	1810.6
25°	3544.8	2974.8	2022.5	1812.8	1740.7	1701.4	1679.6	1677.4	1657.7	1655.6	1655.6
27.5°	3643.1	2900.5	1893.6	1712.3	1644.6	1607.5	1605.3	1581.3	1531.1	1498.3	1502.7
30°	3719.5	2843.7	1804.1	1625.0	1559.5	1552.9	1533.2	1478.6	1413.1	1371.6	1371.6
32.5°	3855.0	2730.1	1681.8	1535.4	1502.7	1493.9	1448.1	1400.0	1338.9	1299.5	1293.0
35°	3955.4	2625.3	1601.0	1459.0	1443.7	1426.2	1386.9	1334.5	1317.0	1308.3	1314.8
37.5°	4069.0	2507.4	1502.7	1393.5	1408.8	1376.0	1330.1	1306.1	1367.3	1352.0	1358.5
40°	4250.3	2424.4	1406.6	1354.2	1369.4	1332.3	1273.3	1264.6	1341.0	1286.4	1273.3
42.5°	4582.3	2422.2	1347.6	1295.2	1306.1	1277.7	1225.3	1220.9	1251.5	1186.0	1166.3
45°	4995.1	2498.6	1303.9	1251.5	1242.8	1238.4	1220.9	1201.3	1175.1	1089.9	1068.0
47.5°	5488.7	2623.1	1295.2	1186.0	1196.9	1234.0	1212.2	1161.9	1094.2	1039.6	1028.7
50°	6087.1	2880.8	1273.3	1137.9	1157.6	1216.6	1199.1	1129.2	1068.0	1033.1	1026.5
52.5°	6748.9	3206.3	1244.9	1063.7	1107.3	1201.3	1210.0	1144.5	1054.9	1024.3	1020.0
55°	7528.6	3686.8	1212.2	982.9	1048.4	1186.0	1210.0	1100.8	1037.5	1037.5	1033.1
57.5°	9068.4	4551.7	1144.5	908.6	996.0	1157.6	1175.1	1103.0	1039.6	1039.6	1030.9
60°	11326.8	5901.5	1015.6	851.8	945.7	1118.3	1148.8	1070.2	1015.6	1028.7	1026.5
62.5°	13093.8	6312.1	906.4	797.2	895.5	1046.2	1113.9	1035.3	987.2	1035.3	1039.6
65°	13471.6	5897.1	795.0	738.2	825.6	976.3	1063.7	985.0	945.7	1039.6	1044.0
66°	13336.2	5573.9	755.7	720.8	795.0	941.4	1033.1	967.6	923.9	1035.3	1037.5
67.5°	12733.4	5089.0	712.0	683.6	753.5	891.1	998.1	943.5	888.9	1022.2	1002.5
70°	11422.9	4315.8	637.8	618.1	694.5	808.1	917.3	882.4	834.3	941.4	906.4
72.5°	8797.6	3448.7	559.1	561.3	626.8	722.9	836.5	812.5	771.0	825.6	803.8
75°	5357.6	2203.8	487.1	491.4	546.0	642.1	760.1	742.6	692.4	722.9	712.0
77.5°	2374.1	1092.1	410.6	419.3	463.0	565.7	661.8	633.4	581.0	587.5	583.2
80°	921.7	517.6	334.2	345.1	373.5	452.1	548.2	522.0	476.1	467.4	463.0
82.5°	443.4	288.3	257.7	262.1	273.0	360.4	471.8	439.0	377.9	338.5	338.5
85°	222.8	179.1	181.3	166.0	181.3	244.6	318.9	266.5	220.6	196.6	200.9
87.5°	89.5	89.5	89.5	76.4	80.8	115.8	148.5	100.5	91.7	54.6	54.6
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)