

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: P483632

Luminaire Tested: **IFLD-S-SA6B-740-U-T4W-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P483632  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6B-740-U-T4W-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4W distribution lens with House Side Shield  
Light Source: (96) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 24628.7 lumens  
Efficiency: N/A  
Efficacy: 100.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4

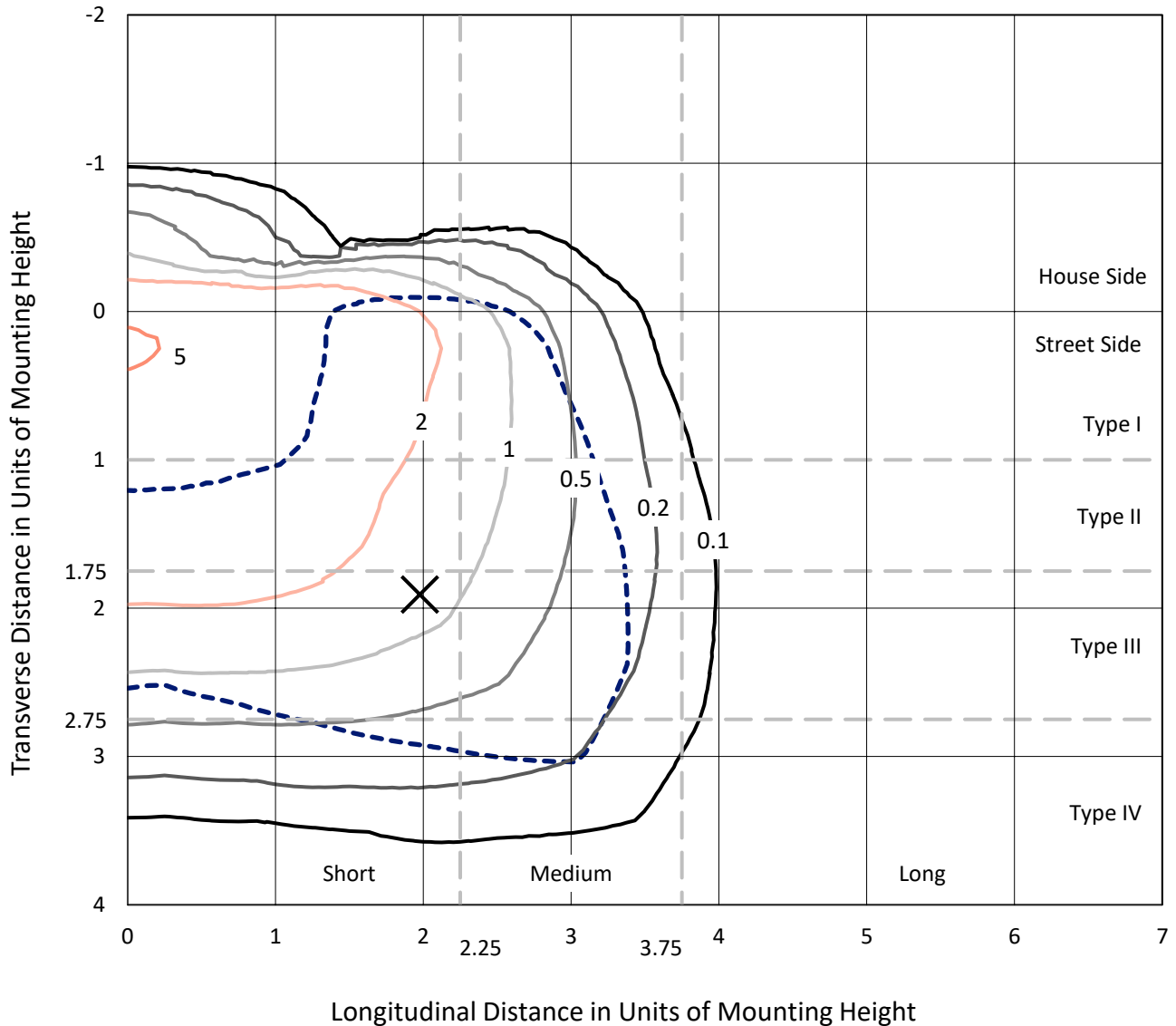
Input Watts (W): 244.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

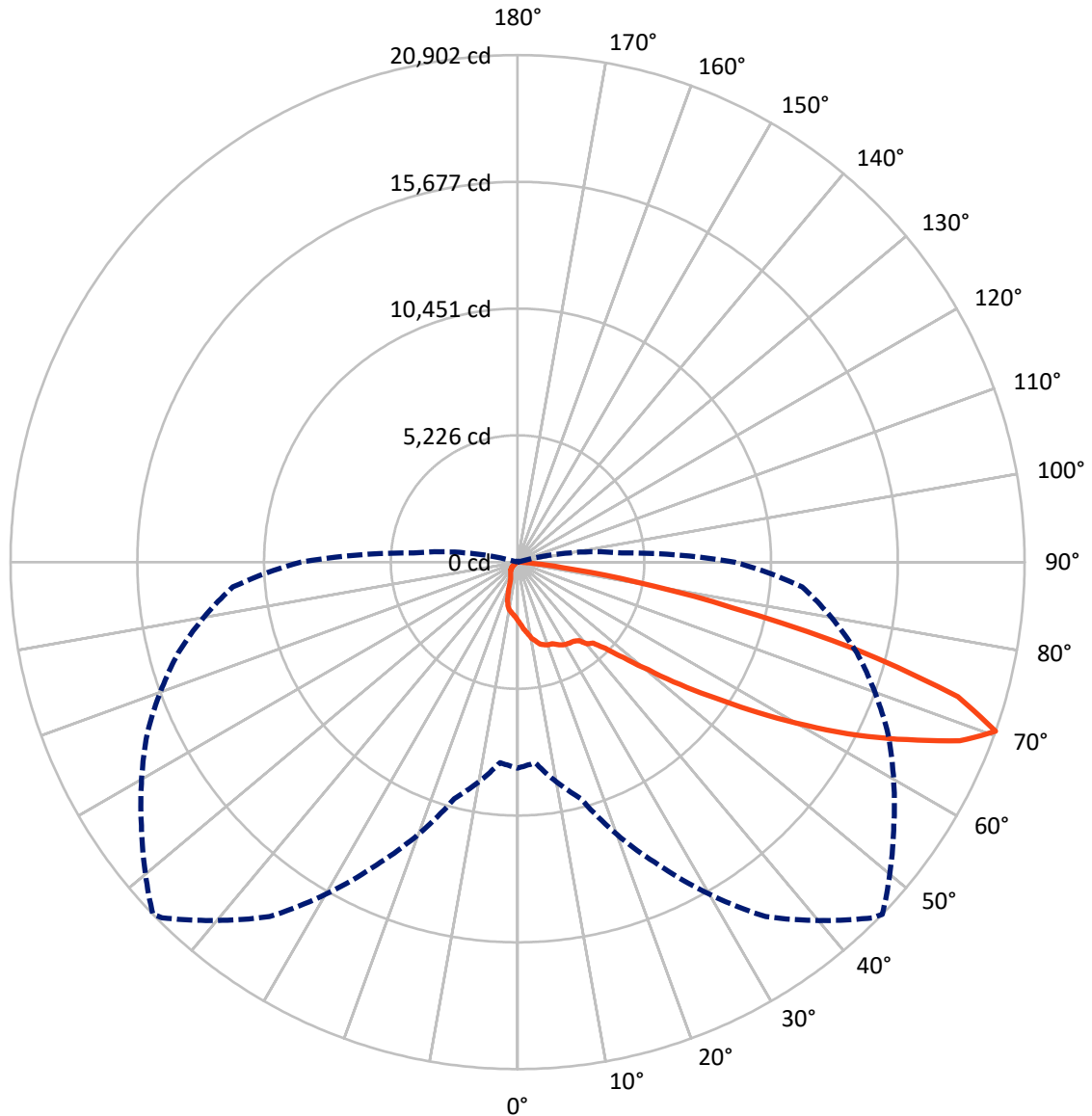
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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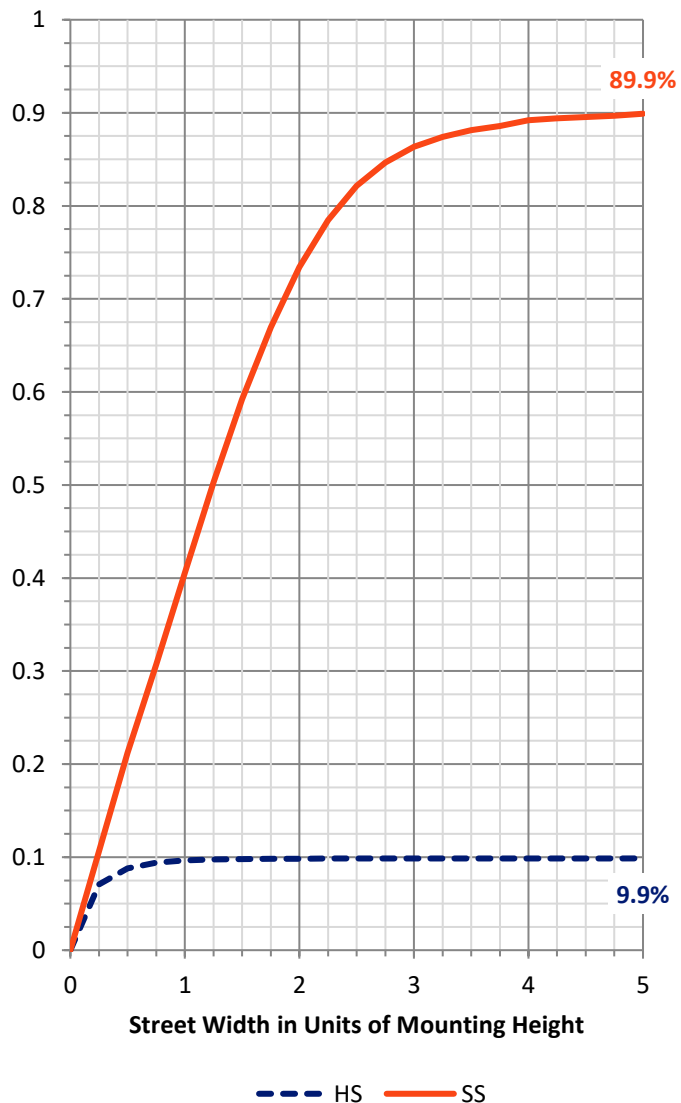
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2450.6	0.0	2450.6
	% Fixture	10.0	0.0	10.0
<b>Street Side</b>	Lumens	22178.1	0.0	22178.1
	% Fixture	90.0	0.0	90.0
<b>Total</b>	Lumens	24628.7	0.0	24628.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	241.1	1.0
10°-20°	728.0	3.0
20°-30°	1166.2	4.7
30°-40°	1664.5	6.8
40°-50°	2874.2	11.7
50°-60°	5502.9	22.3
60°-70°	8149.0	33.1
70°-80°	4036.1	16.4
80°-90°	266.7	1.1
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°	24628.7	100.0
0°-180°	24628.7	100.0

**Coefficient of Utilization**



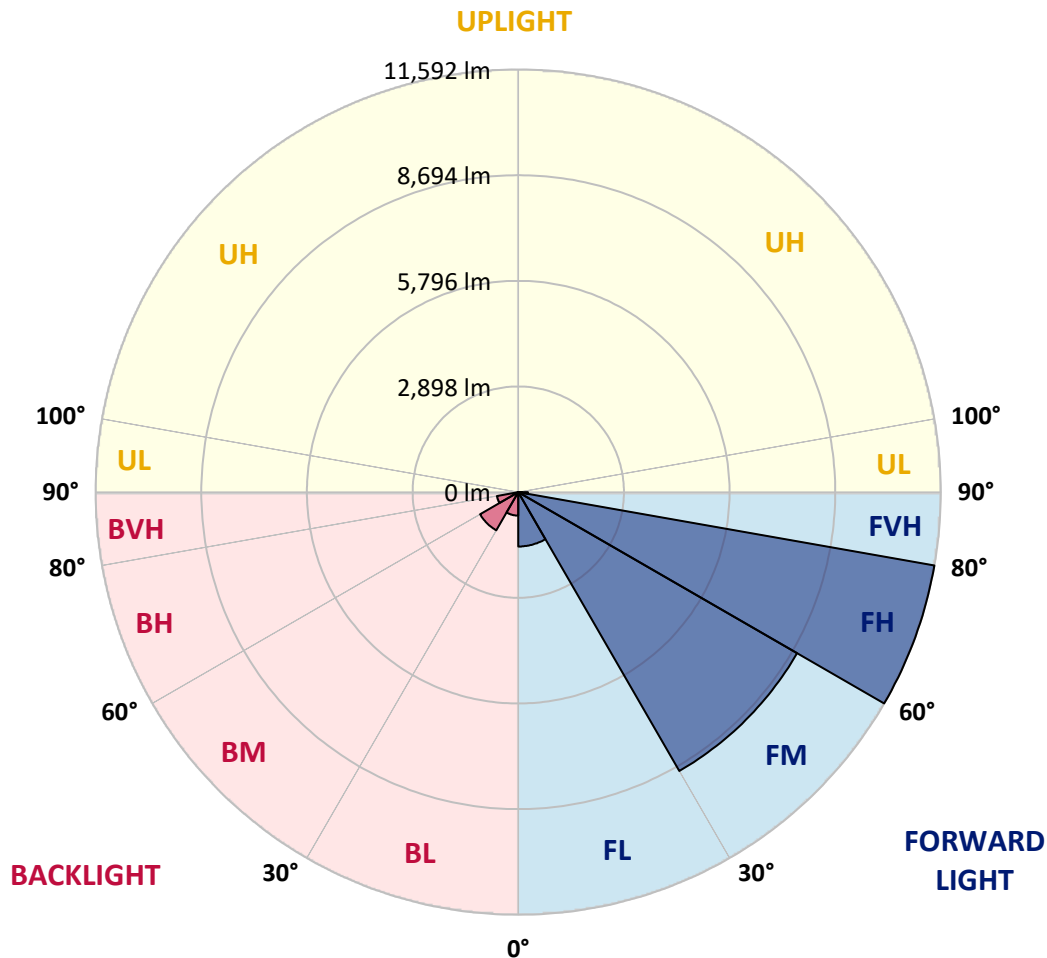
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1491.4	6.1			
FM (30°-60°)	8831.8	35.9			
FH (60°-80°)	11591.5	47.1			G4/12000
FVH (80°-90°)	263.3	1.1			G3/500
BL (0°-30°)	643.8	2.6	B2/1000		
BM (30°-60°)	1209.9	4.9	B2/2500		
BH (60°-80°)	593.5	2.4	B2/1000		G2/1000
BVH (80°-90°)	3.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G4**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	2417.8	2417.8	2417.8	2417.8	2417.8	2417.8	2417.8	2417.8	2417.8	2417.8	2417.8
2.5°	2697.8	2680.1	2651.8	2641.1	2612.8	2598.6	2577.3	2566.7	2527.7	2488.7	2463.9
5°	3027.5	2985.0	2999.2	2956.6	2864.5	2790.0	2786.5	2704.9	2616.3	2545.4	2449.7
7.5°	3360.8	3325.3	3272.1	3211.9	3109.1	2999.2	2967.3	2889.3	2765.2	2641.1	2513.5
10°	3612.5	3587.7	3541.6	3456.5	3314.7	3190.6	3194.2	3063.0	2931.8	2790.0	2616.3
12.5°	3768.5	3779.1	3711.7	3626.7	3502.6	3346.6	3343.0	3254.4	3105.5	2956.6	2751.0
15°	3924.4	3963.4	3860.6	3761.4	3601.8	3488.4	3509.7	3403.3	3258.0	3087.8	2860.9
17.5°	3949.3	3959.9	3938.6	3793.3	3676.3	3580.6	3584.1	3513.2	3403.3	3219.0	3024.0
20°	3906.7	3899.6	3874.8	3768.5	3690.5	3633.7	3637.3	3619.6	3559.3	3410.4	3144.5
22.5°	3782.6	3782.6	3750.7	3679.8	3644.4	3697.6	3655.0	3722.4	3658.6	3569.9	3350.1
25°	3683.4	3722.4	3704.7	3658.6	3672.7	3743.6	3764.9	3828.7	3818.1	3708.2	3491.9
27.5°	3789.7	3743.6	3754.3	3701.1	3754.3	3860.6	3871.3	3917.4	3913.8	3825.2	3619.6
30°	3860.6	3903.2	3821.6	3704.7	3761.4	3942.2	3935.1	3995.4	4023.7	3917.4	3740.1
32.5°	4087.5	4052.1	3984.7	3828.7	3835.8	3938.6	3970.5	4048.5	4066.3	4002.4	3857.1
35°	4551.9	4498.8	4204.5	3970.5	3935.1	3984.7	4006.0	4158.4	4190.3	4119.4	3981.2
37.5°	5268.1	5147.5	4793.0	4275.4	4115.9	4105.3	4105.3	4307.3	4427.9	4264.8	4165.5
40°	6292.6	6122.4	5739.6	4839.1	4353.4	4396.0	4438.5	4548.4	4534.2	4427.9	4406.6
42.5°	7597.2	7466.0	7051.2	5785.6	4807.2	4594.5	4559.0	4707.9	4931.3	4888.7	4874.5
45°	8685.5	8692.6	8426.8	7083.2	5590.7	5051.8	5076.6	5190.1	5565.8	5533.9	5530.4
47.5°	9479.7	9380.4	9341.4	8334.6	6732.2	5920.4	5884.9	5962.9	6452.1	6654.2	6746.4
50°	10202.9	10135.5	10043.3	9550.6	8104.1	7008.7	6973.3	6980.3	7728.4	8012.0	8238.9
52.5°	11099.8	11184.9	10880.0	10578.6	9880.3	8423.2	8384.2	8246.0	9174.8	9564.7	9834.2
55°	12205.9	12046.3	11702.4	11858.4	11578.4	9951.2	9880.3	9717.2	10823.3	10986.3	11269.9
57.5°	12450.5	12329.9	12684.4	13237.5	13506.9	11745.0	11716.6	11422.4	12209.4	12060.5	12861.7
60°	13060.2	13092.1	13584.9	14683.9	15151.8	13815.3	13677.1	13159.5	13553.0	13581.4	14435.7
62.5°	13687.7	13613.3	14715.8	15772.2	16491.9	15775.8	15729.7	14701.6	15148.3	14786.7	15917.6
65°	13226.8	13340.3	14917.9	16686.9	18229.0	17693.7	17654.7	16187.0	16431.6	15981.4	16520.3
67.5°	11589.0	11358.6	13567.2	16268.6	19122.4	19703.8	19661.2	17807.1	17154.8	15974.3	15268.8
70°	8494.1	8295.6	10096.5	13776.3	17842.6	20731.9	20902.0	18934.5	16860.6	14485.4	11780.4
72.5°	4162.0	4165.5	5658.0	9341.4	14116.7	18895.5	18980.6	17360.5	14485.4	10677.9	6671.9
75°	1230.2	1244.3	2095.2	4580.3	9125.1	14350.7	14446.4	13177.2	10039.8	5516.2	2276.0
77.5°	450.2	450.2	694.8	1719.4	4551.9	9057.8	9050.7	8090.0	5083.7	1868.3	531.8
80°	234.0	244.6	361.6	701.9	1971.1	4718.6	4895.8	3959.9	1932.1	787.0	156.0
82.5°	95.7	106.4	198.5	361.6	946.5	1655.6	1811.6	1552.8	840.2	549.5	70.9
85°	28.4	31.9	95.7	202.1	372.2	414.8	460.9	521.1	528.2	425.4	31.9
87.5°	3.5	3.5	39.0	67.4	81.5	88.6	102.8	102.8	269.4	297.8	17.7
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°	2417.8	2417.8	2417.8	2417.8	2417.8	2417.8	2417.8	2417.8	2417.8	2417.8	2417.8
2.5°	2435.5	2417.8	2389.4	2325.6	2311.4	2265.3	2261.8	2219.2	2233.4	2205.1	2194.4
5°	2417.8	2378.8	2300.8	2251.2	2201.5	2169.6	2148.3	2130.6	2127.1	2112.9	2105.8
7.5°	2449.7	2396.5	2276.0	2198.0	2112.9	2084.5	2038.4	2034.9	2010.1	1985.3	1985.3
10°	2556.0	2460.3	2329.1	2198.0	2088.1	1995.9	1889.5	1811.6	1783.2	1719.4	1726.5
12.5°	2641.1	2556.0	2364.6	2229.9	2063.3	1854.1	1620.1	1439.3	1354.2	1272.7	1304.6
15°	2761.6	2637.6	2432.0	2237.0	1967.5	1605.9	1223.1	1021.0	943.0	925.3	921.7
17.5°	2892.8	2761.6	2517.0	2219.2	1772.6	1240.8	900.5	783.5	797.7	818.9	815.4
20°	3038.2	2878.6	2580.8	2159.0	1464.1	900.5	737.4	733.8	755.1	787.0	794.1
22.5°	3190.6	3052.3	2658.8	1978.2	1091.9	723.2	709.0	709.0	723.2	762.2	755.1
25°	3360.8	3176.4	2697.8	1698.1	783.5	666.5	673.6	687.8	694.8	726.7	730.3
27.5°	3491.9	3314.7	2708.5	1361.3	638.1	616.9	634.6	652.3	662.9	687.8	698.4
30°	3612.5	3488.4	2651.8	1013.9	584.9	574.3	581.4	606.2	627.5	648.8	648.8
32.5°	3764.9	3587.7	2520.6	719.7	553.0	535.3	531.8	542.4	567.2	592.0	592.0
35°	3920.9	3754.3	2311.4	577.9	524.7	499.9	485.7	475.0	485.7	503.4	517.6
37.5°	4147.8	4006.0	2049.1	531.8	503.4	468.0	439.6	414.8	397.1	393.5	404.1
40°	4470.4	4289.6	1712.3	499.9	478.6	436.0	393.5	351.0	312.0	287.2	290.7
42.5°	4959.6	4707.9	1347.1	482.1	460.9	400.6	340.3	280.1	230.4	205.6	205.6
45°	5658.0	5261.0	989.1	464.4	439.6	358.1	280.1	209.2	159.5	145.3	148.9
47.5°	6710.9	5927.4	709.0	436.0	411.2	312.0	219.8	148.9	117.0	109.9	113.4
50°	8086.4	6718.0	553.0	404.1	375.8	262.3	163.1	109.9	92.2	88.6	92.2
52.5°	9529.3	7515.7	485.7	375.8	322.6	209.2	120.5	88.6	78.0	74.4	78.0
55°	10763.0	8029.7	421.9	333.2	258.8	156.0	95.7	78.0	67.4	56.7	56.7
57.5°	12010.9	8288.5	333.2	276.5	191.4	117.0	81.5	67.4	56.7	46.1	42.5
60°	13024.8	8472.8	237.5	205.6	134.7	92.2	70.9	60.3	46.1	35.5	31.9
62.5°	13691.3	7944.6	173.7	156.0	99.3	78.0	60.3	49.6	35.5	24.8	24.8
65°	13361.6	7214.3	134.7	109.9	74.4	60.3	49.6	35.5	24.8	14.2	10.6
67.5°	11989.6	5877.8	109.9	81.5	56.7	46.1	39.0	28.4	14.2	3.5	3.5
70°	8944.3	4307.3	88.6	60.3	46.1	35.5	28.4	17.7	7.1	3.5	0.0
72.5°	4892.3	2357.5	70.9	49.6	35.5	28.4	21.3	14.2	7.1	0.0	0.0
75°	1616.6	627.5	53.2	35.5	21.3	17.7	14.2	10.6	3.5	0.0	0.0
77.5°	390.0	163.1	42.5	31.9	17.7	10.6	7.1	3.5	3.5	0.0	0.0
80°	120.5	67.4	31.9	21.3	14.2	10.6	3.5	0.0	0.0	0.0	0.0
82.5°	49.6	31.9	14.2	14.2	10.6	3.5	0.0	0.0	0.0	0.0	0.0
85°	24.8	17.7	10.6	7.1	7.1	3.5	0.0	0.0	0.0	0.0	0.0
87.5°	17.7	7.1	3.5	3.5	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)