

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: P636564

Luminaire Tested: **IFLD-S-SA2B-927-U-66-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636564  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2B-927-U-66-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor  
Light Source: (32) 2700K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5755.5 lumens  
Efficiency: N/A  
Efficacy: 69.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B3 - U0 - G0

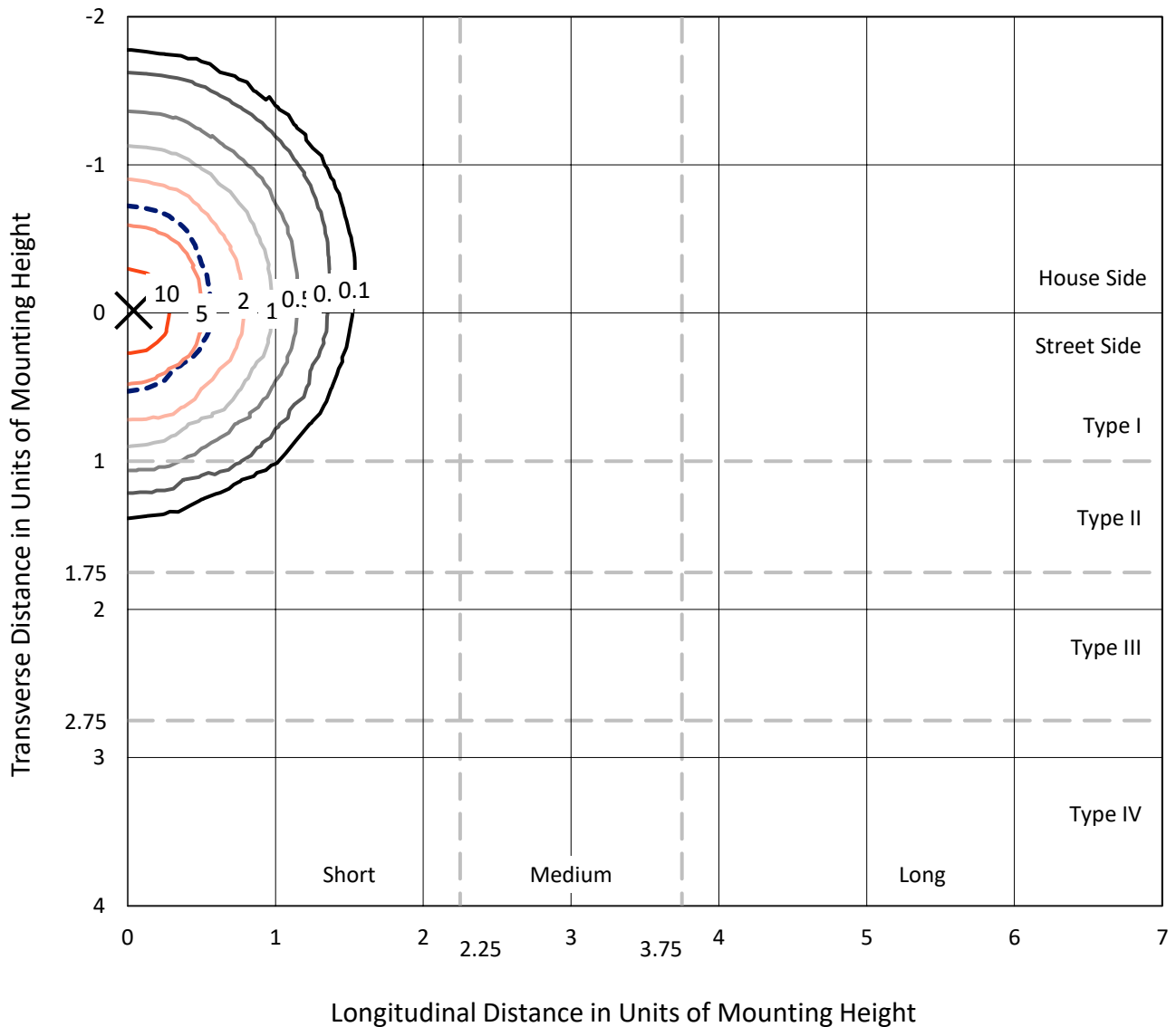
Input Watts (W): 82.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

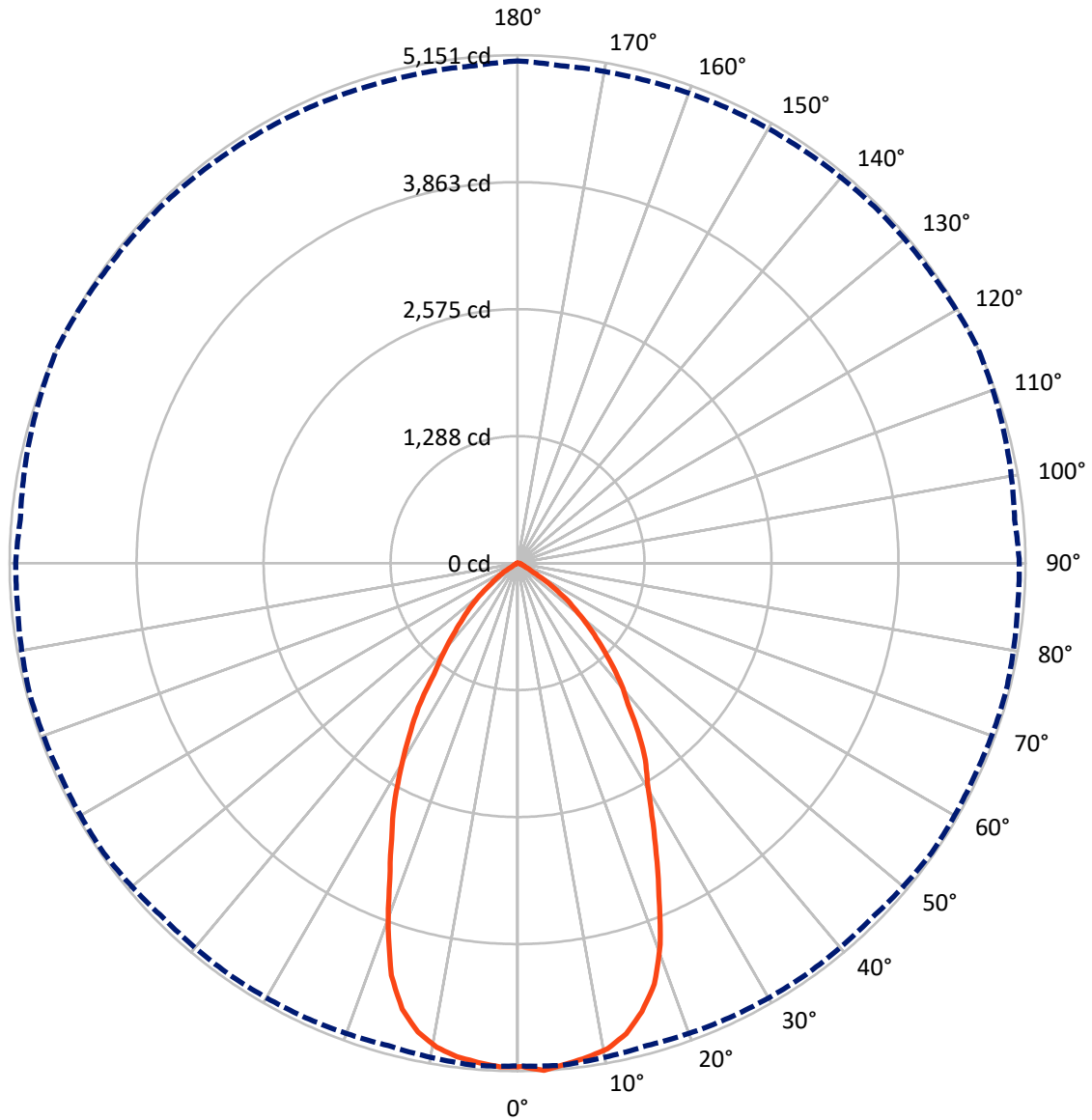
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 12.8 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 115-Deg Lateral    - - - Horizontal Cone Through 2.5-Deg Vertical

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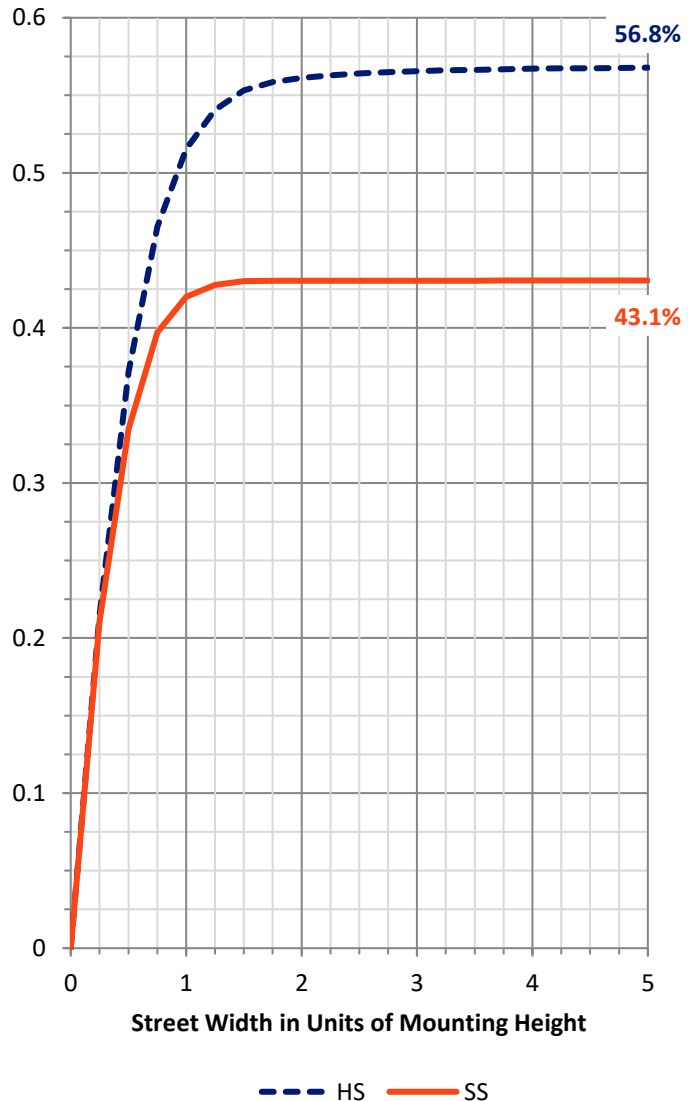
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3293.8	0.0	3293.8
	% Fixture	57.2	0.0	57.2
<b>Street Side</b>	Lumens	2461.7	0.0	2461.7
	% Fixture	42.8	0.0	42.8
<b>Total</b>	Lumens	5755.5	0.0	5755.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	481.0	8.4
10°-20°	1275.3	22.2
20°-30°	1458.7	25.3
30°-40°	1250.0	21.7
40°-50°	826.6	14.4
50°-60°	360.7	6.3
60°-70°	70.9	1.2
70°-80°	25.6	0.4
80°-90°	6.8	0.1
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°	5755.5	100.0
0°-180°	5755.5	100.0



REPORT NUMBER: P636564

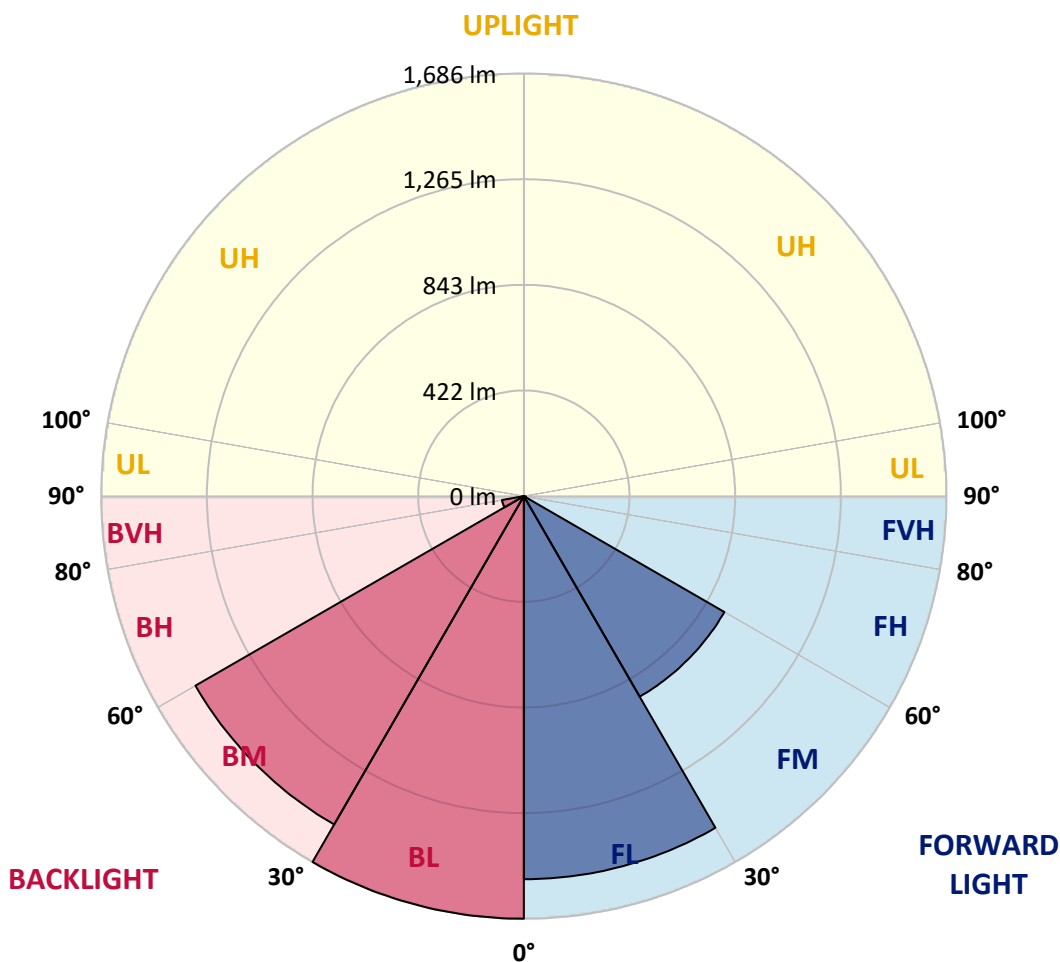
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1528.5	26.6			
FM (30°-60°)	924.2	16.1			
FH (60°-80°)	7.8	0.1			G0/660
FVH (80°-90°)	1.1	0.0			G0/10
BL (0°-30°)	1686.4	29.3	B3/2500		
BM (30°-60°)	1513.1	26.3	B2/2500		
BH (60°-80°)	88.6	1.5	B0/110		G0/110
BVH (80°-90°)	5.7	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G0**

Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5106.6	5106.6	5106.6	5106.6	5106.6	5106.6	5106.6	5106.6	5106.6	5106.6
2.5°	5099.2	5111.5	5065.0	5085.8	5094.3	5083.3	5123.7	5111.5	5121.2	5090.7
5°	5099.2	5111.5	5057.6	5067.4	5069.9	5049.1	5093.1	5078.4	5079.6	5047.8
7.5°	5067.4	5082.1	5033.2	5040.5	5041.7	5024.6	5062.5	5041.7	5034.4	5001.3
10°	4981.8	4990.3	4946.3	4964.6	4981.8	4965.9	4998.9	4975.7	4975.7	4946.3
12.5°	4846.0	4861.9	4812.9	4835.0	4849.6	4831.3	4869.2	4860.7	4861.9	4832.5
15°	4598.8	4543.8	4602.5	4646.6	4647.8	4644.1	4679.6	4671.0	4677.1	4633.1
17.5°	3397.4	3384.0	3452.5	3972.4	4359.0	4411.7	4417.8	4371.3	4350.5	4307.7
20°	3147.9	3157.6	3143.0	3145.4	3450.0	4082.6	4044.6	3929.6	3877.0	3834.2
22.5°	2965.6	2949.7	2939.9	2933.8	2942.3	3354.6	3627.4	3453.7	3425.6	3404.8
25°	2767.4	2760.0	2747.8	2745.4	2740.5	2670.7	3063.4	3079.4	3034.1	3008.4
27.5°	2582.6	2577.7	2564.3	2563.1	2506.8	2338.0	2380.8	2758.8	2746.6	2736.8
30°	2385.7	2375.9	2368.5	2368.5	2198.5	2024.8	1955.0	2405.2	2405.2	2396.7
32.5°	2171.6	2163.0	2165.5	2136.1	1933.0	1774.0	1663.9	2076.1	2204.6	2197.3
35°	1327.4	1325.0	1573.3	1900.0	1661.4	1517.0	1509.7	1776.4	1963.6	1983.2
37.5°	1181.8	1174.5	1178.2	1199.0	1422.8	1365.3	1362.9	1408.2	1671.2	1681.0
40°	1060.7	1055.8	1052.1	977.5	906.6	1218.5	1210.0	1180.6	1427.7	1444.9
42.5°	945.7	940.8	940.8	835.6	720.6	1002.0	1005.7	971.4	1203.8	1210.0
45°	827.0	823.4	802.6	666.8	633.7	665.5	833.1	794.0	955.5	1019.1
47.5°	390.3	387.8	561.6	554.2	551.8	532.2	636.2	658.2	758.5	822.1
50°	313.2	310.7	296.1	260.6	453.9	403.7	458.8	506.5	538.3	597.0
52.5°	259.4	256.9	226.3	200.6	252.0	294.8	274.0	338.9	337.7	401.3
55°	170.1	157.8	173.7	163.9	132.1	214.1	209.2	256.9	250.8	305.9
57.5°	3.7	3.7	8.6	93.0	83.2	90.5	119.9	146.8	165.2	181.1
60°	1.2	1.2	2.4	4.9	34.3	37.9	46.5	53.8	75.9	94.2
62.5°	0.0	0.0	1.2	2.4	4.9	19.6	22.0	25.7	35.5	48.9
65°	0.0	0.0	0.0	1.2	2.4	4.9	7.3	15.9	22.0	28.1
67.5°	0.0	0.0	0.0	1.2	1.2	2.4	4.9	7.3	9.8	19.6
70°	0.0	0.0	0.0	1.2	1.2	2.4	3.7	4.9	7.3	9.8
72.5°	0.0	0.0	0.0	1.2	1.2	3.7	2.4	3.7	4.9	6.1
75°	0.0	0.0	0.0	1.2	1.2	1.2	2.4	3.7	3.7	4.9
77.5°	0.0	0.0	0.0	1.2	2.4	2.4	2.4	2.4	2.4	3.7
80°	0.0	0.0	0.0	1.2	1.2	2.4	3.7	4.9	2.4	2.4
82.5°	0.0	0.0	0.0	2.4	1.2	4.9	7.3	6.1	2.4	1.2
85°	0.0	0.0	0.0	1.2	4.9	6.1	6.1	3.7	1.2	1.2
87.5°	0.0	0.0	0.0	1.2	1.2	2.4	3.7	3.7	1.2	1.2
90°	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°
5106.6	0°	5106.6	5106.6	5106.6	5106.6	5106.6	5106.6	5106.6	5106.6	5106.6
5088.2	2.5°	5060.1	5107.8	5150.6	5123.7	5113.9	5094.3	5079.6	5063.7	5062.5
5044.2	5°	5016.0	5061.3	5102.9	5071.1	5073.5	5063.7	5054.0	5050.3	5052.7
4998.9	7.5°	4978.1	5016.0	5061.3	5034.4	5041.7	5035.6	5030.7	5023.4	5034.4
4940.2	10°	4920.6	4954.9	5007.5	4981.8	4978.1	4972.0	4967.1	4953.6	4959.7
4833.7	12.5°	4794.6	4837.4	4897.4	4868.0	4877.8	4860.7	4853.3	4844.7	4846.0
4649.0	15°	4623.3	4656.3	4717.5	4694.3	4701.6	4690.6	4690.6	4690.6	4699.2
4313.8	17.5°	4324.8	4392.1	4488.7	4459.4	4470.4	4472.8	4470.4	4478.9	4490.0
3836.6	20°	3839.1	3954.1	4130.3	4187.8	4211.0	4212.2	4195.1	4215.9	4237.9
3390.1	22.5°	3392.5	3513.7	3669.0	3826.9	3924.7	3919.8	3922.3	3935.7	3959.0
2992.5	25°	3005.9	3122.2	3262.9	3403.6	3617.7	3661.7	3662.9	3675.2	3693.5
2720.9	27.5°	2727.0	2772.3	2900.7	3042.6	3272.7	3413.3	3406.0	3417.0	3436.6
2380.8	30°	2390.6	2564.3	2593.7	2680.5	2878.7	3136.9	3138.1	3150.3	3169.9
2180.1	32.5°	2174.0	2289.0	2379.6	2382.0	2550.8	2816.3	2868.9	2881.2	2894.6
1972.2	35°	1970.9	1984.4	2106.7	2141.0	2238.9	2501.9	2594.9	2602.2	2624.2
1677.3	37.5°	1705.4	1785.0	1819.2	1941.6	1946.5	2159.3	2344.1	2336.7	2353.9
1443.6	40°	1462.0	1537.8	1624.7	1714.0	1726.2	1885.3	2089.6	2096.9	2104.3
1197.7	42.5°	1207.5	1304.2	1393.5	1453.4	1536.6	1628.4	1822.9	1857.2	1874.3
1026.5	45°	1044.8	1071.7	1178.2	1266.2	1350.7	1393.5	1575.8	1638.2	1649.2
812.4	47.5°	823.4	913.9	986.1	1060.7	1165.9	1203.8	1336.0	1422.8	1431.4
603.1	50°	636.2	701.0	800.1	867.4	989.7	1010.5	1101.1	1213.6	1224.6
403.7	52.5°	455.1	543.2	639.8	704.7	822.1	849.1	916.3	1024.0	1031.3
309.5	55°	326.7	384.2	463.7	556.7	642.3	702.2	748.7	851.5	861.3
203.1	57.5°	222.7	276.5	309.5	402.5	453.9	518.7	556.7	635.0	642.3
96.7	60°	106.4	132.1	157.8	204.3	237.3	292.4	316.9	348.7	357.2
58.7	62.5°	68.5	80.7	102.8	122.3	154.2	188.4	198.2	225.1	234.9
36.7	65°	45.3	57.5	80.7	85.6	117.4	144.4	156.6	176.2	187.2
22.0	67.5°	25.7	40.4	59.9	71.0	93.0	118.7	132.1	149.3	159.0
14.7	70°	17.1	33.0	47.7	58.7	73.4	95.4	112.6	127.2	133.4
7.3	72.5°	9.8	20.8	33.0	46.5	58.7	79.5	95.4	107.7	71.0
4.9	75°	6.1	15.9	28.1	39.1	48.9	63.6	77.1	75.9	31.8
3.7	77.5°	4.9	12.2	24.5	33.0	40.4	44.0	55.1	62.4	24.5
2.4	80°	3.7	9.8	22.0	28.1	15.9	31.8	42.8	46.5	17.1
2.4	82.5°	2.4	6.1	18.4	19.6	11.0	23.2	34.3	30.6	12.2
1.2	85°	1.2	3.7	6.1	11.0	9.8	11.0	8.6	12.2	8.6
1.2	87.5°	1.2	2.4	4.9	4.9	4.9	3.7	4.9	4.9	4.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°  
5106.6  
5091.9  
5083.3  
5065.0  
4989.1  
4881.4  
4702.8  
4526.7  
4252.6  
3962.7  
3725.3  
3454.9  
3204.1  
2925.2  
2647.5  
2374.7  
2127.5  
1898.7  
1676.1  
1452.2  
1240.5  
1044.8  
869.9  
657.0  
367.0  
237.3  
187.2  
157.8  
132.1  
57.5  
31.8  
24.5  
18.4  
12.2  
8.6  
4.9  
0.0

(END OF REPORT)