

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: P636913

Luminaire Tested: **IFLD-S-SA2C-935-U-LAM-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636913
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2C-935-U-LAM-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/
Lambertian distribution lens and Visor
Light Source: (32) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6955.9 lumens
Efficiency: N/A
Efficacy: 64.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G1

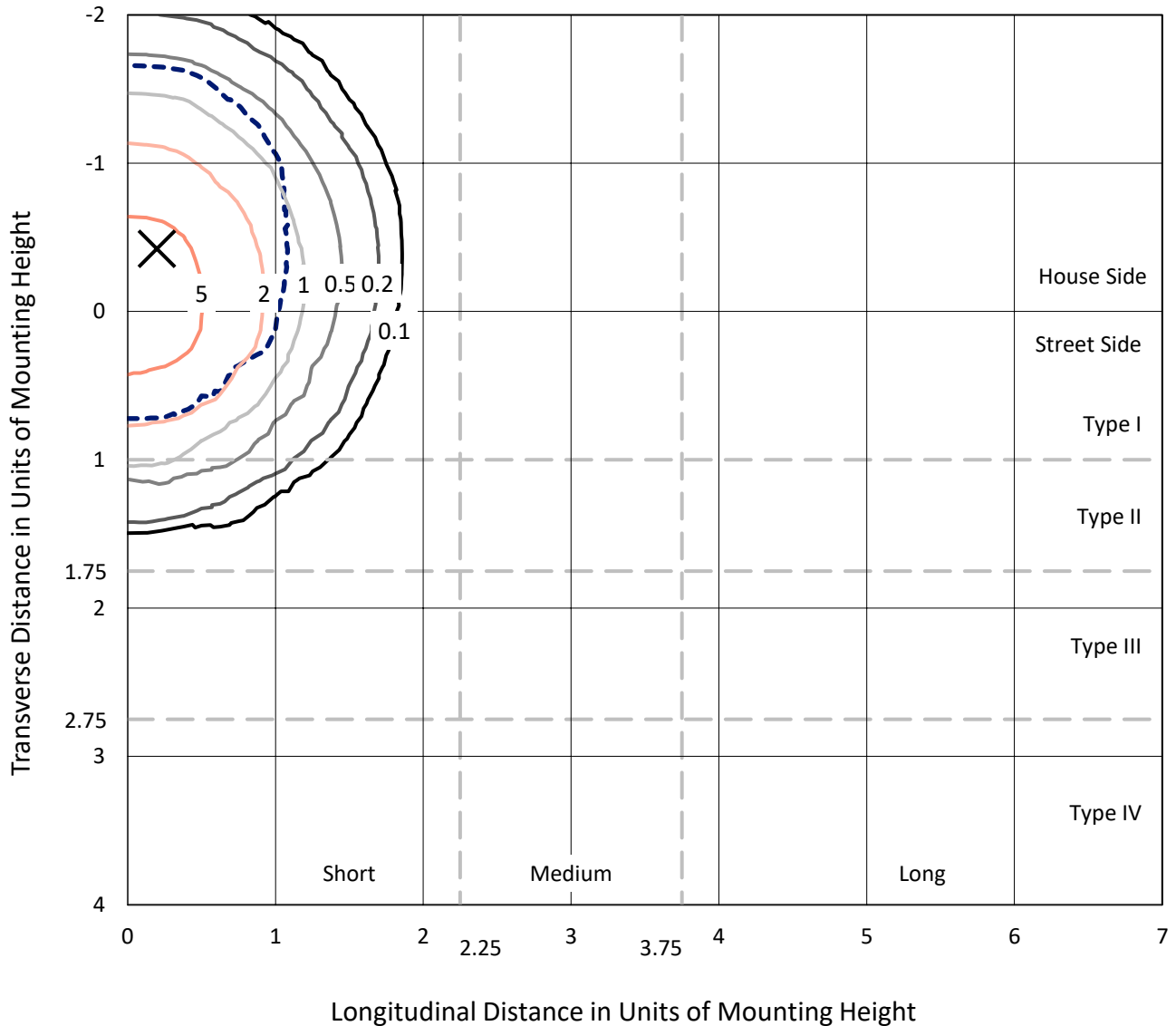
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

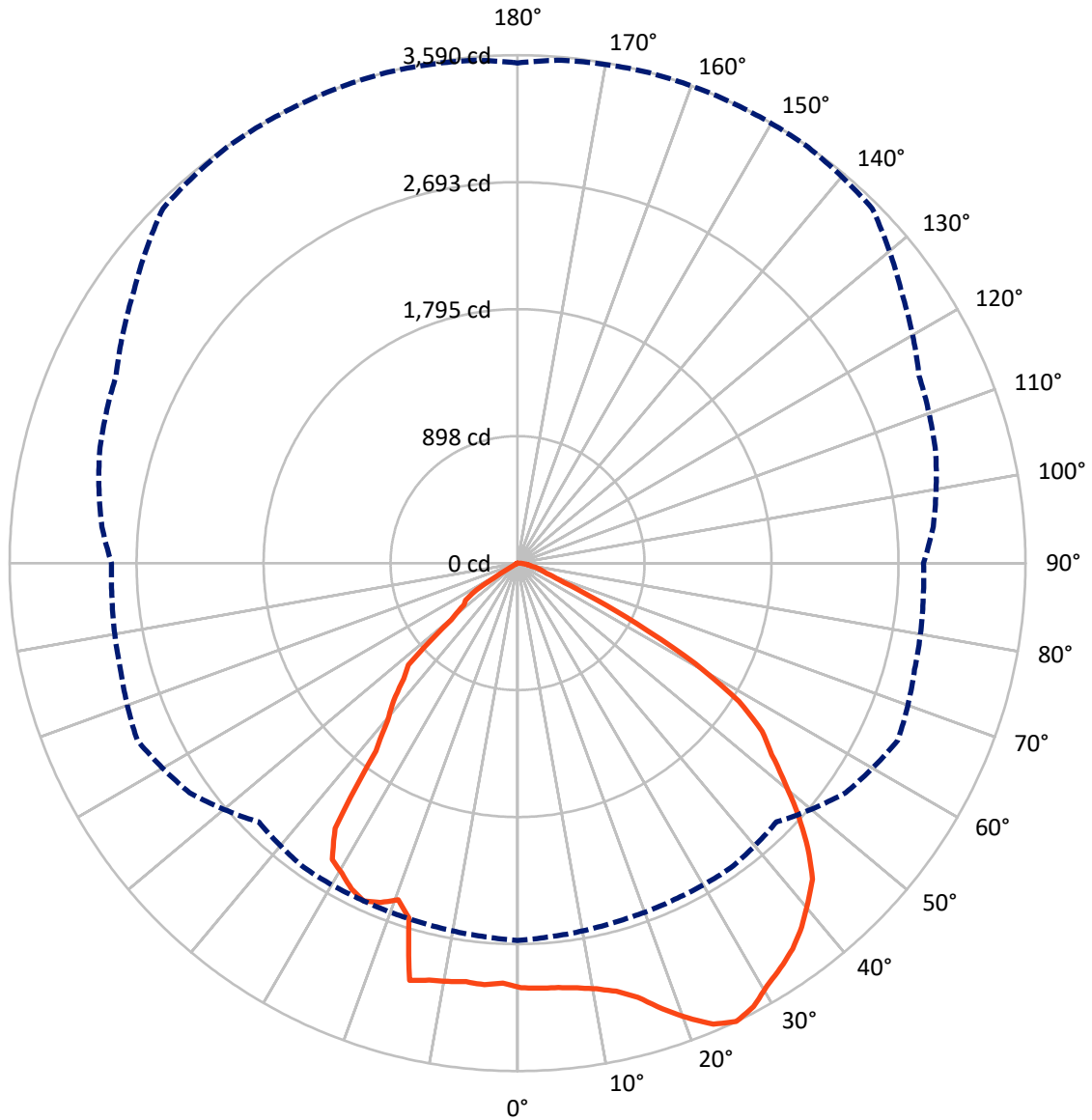
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.5 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 155-Deg Lateral - - - Horizontal Cone Through 25-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4306.4	0.0	4306.4
	% Fixture	61.9	0.0	61.9
Street Side	Lumens	2649.5	0.0	2649.5
	% Fixture	38.1	0.0	38.1
Total	Lumens	6955.9	0.0	6955.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.9	4.1
10°-20°	879.2	12.6
20°-30°	1390.0	20.0
30°-40°	1570.1	22.6
40°-50°	1470.4	21.1
50°-60°	1013.8	14.6
60°-70°	272.4	3.9
70°-80°	56.8	0.8
80°-90°	15.4	0.2
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°	6955.9	100.0
0°-180°	6955.9	100.0



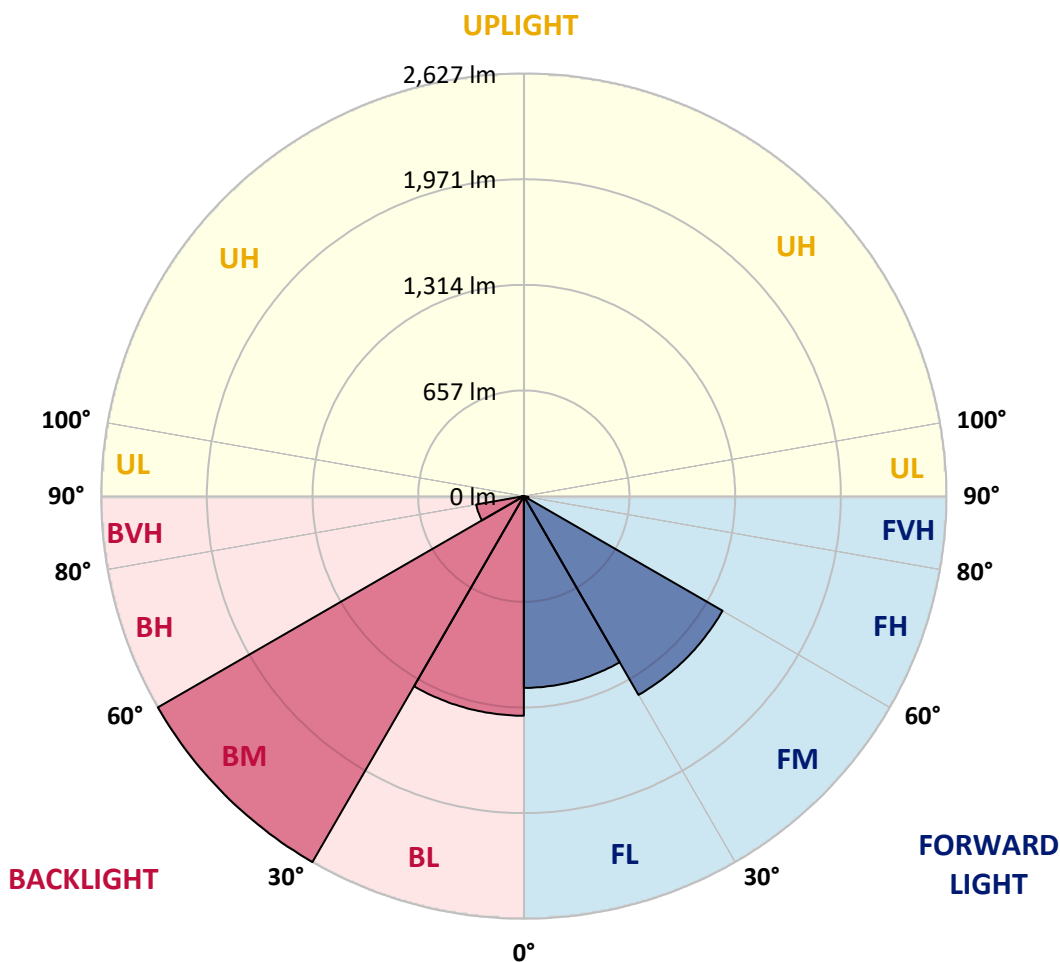
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1192.0	17.1			
FM (30°-60°)	1426.8	20.5			
FH (60°-80°)	28.6	0.4			G0/660
FVH (80°-90°)	2.1	0.0			G0/10
BL (0°-30°)	1365.1	19.6	B3/2500		
BM (30°-60°)	2627.5	37.8	B3/5000		
BH (60°-80°)	300.5	4.3	B1/500		G1/500
BVH (80°-90°)	13.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3001.4	3001.4	3001.4	3001.4	3001.4	3001.4	3001.4	3001.4	3001.4	3001.4
2.5°	3014.6	2995.2	2976.8	2970.7	2996.2	3023.8	3006.5	3007.5	3001.4	3012.6
5°	3037.1	3010.6	2998.3	2989.1	2993.2	3021.8	2997.3	3006.5	2996.2	3009.5
7.5°	3029.0	3010.6	2998.3	2980.9	2994.2	3027.9	3004.4	3005.4	3000.3	3012.6
10°	3023.8	3010.6	2995.2	2997.3	3012.6	3041.2	3022.8	3033.0	3025.9	3033.0
12.5°	3036.1	3021.8	3013.6	3013.6	3026.9	3059.6	3050.4	3059.6	3056.6	3062.7
15°	2920.6	2933.9	3011.6	3046.3	3072.9	3105.6	3101.5	3110.7	3112.8	3122.0
17.5°	2463.6	2450.4	2444.2	2623.1	3098.5	3199.7	3196.6	3195.6	3185.4	3178.2
20°	2524.0	2518.9	2511.7	2525.0	2578.1	3248.7	3269.2	3143.5	3106.7	3103.6
22.5°	2620.1	2611.9	2585.3	2586.3	2602.7	2824.5	3168.0	3053.5	3041.2	3034.1
25°	2667.1	2650.7	2629.3	2623.1	2628.2	2587.3	2829.6	2965.6	2905.3	2877.7
27.5°	2584.3	2585.3	2567.9	2584.3	2564.9	2380.8	2277.6	2793.8	2791.8	2779.5
30°	2521.9	2518.9	2498.4	2518.9	2384.9	2179.5	2135.5	2605.7	2584.3	2567.9
32.5°	2330.8	2332.8	2392.1	2471.8	2252.0	2089.5	1956.6	2327.7	2531.1	2521.9
35°	1667.3	1671.4	1882.0	2275.6	2050.7	1910.6	1900.4	2011.8	2447.3	2451.4
37.5°	1605.0	1605.0	1599.8	1664.2	1892.2	1838.0	1858.5	1847.2	2241.8	2252.0
40°	1560.0	1550.8	1543.6	1442.4	1315.7	1786.9	1801.2	1750.1	2119.1	2121.2
42.5°	1505.8	1495.6	1497.6	1310.5	1177.6	1660.2	1620.3	1551.8	1914.7	1916.7
45°	1406.6	1424.0	1436.3	1147.0	1136.8	1185.8	1494.5	1451.6	1776.7	1814.5
47.5°	715.6	730.9	1121.4	1055.0	1078.5	1054.0	1262.5	1263.5	1478.2	1603.9
50°	649.1	645.0	646.1	615.4	995.7	852.6	912.9	1158.2	1183.8	1363.7
52.5°	605.2	604.2	541.8	481.5	625.6	750.3	662.4	838.3	880.2	1155.2
55°	447.8	480.5	427.3	452.9	391.5	601.1	598.0	756.5	770.8	926.2
57.5°	4.1	5.1	12.3	344.5	270.9	300.5	413.0	516.2	541.8	721.7
60°	1.0	2.0	5.1	10.2	175.8	185.0	276.0	298.5	336.3	430.4
62.5°	0.0	0.0	2.0	5.1	9.2	75.6	87.9	96.1	148.2	219.8
65°	0.0	0.0	1.0	3.1	5.1	12.3	21.5	45.0	64.4	79.7
67.5°	0.0	0.0	1.0	2.0	4.1	6.1	12.3	17.4	27.6	47.0
70°	0.0	0.0	1.0	2.0	3.1	5.1	8.2	12.3	16.4	23.5
72.5°	0.0	0.0	1.0	2.0	2.0	6.1	6.1	9.2	12.3	15.3
75°	0.0	0.0	1.0	1.0	2.0	4.1	6.1	7.2	8.2	12.3
77.5°	0.0	0.0	1.0	2.0	3.1	4.1	5.1	8.2	7.2	7.2
80°	0.0	0.0	1.0	3.1	3.1	5.1	6.1	8.2	5.1	5.1
82.5°	0.0	0.0	1.0	4.1	3.1	10.2	10.2	11.2	4.1	4.1
85°	0.0	0.0	3.1	2.0	6.1	10.2	9.2	6.1	5.1	3.1
87.5°	0.0	0.0	1.0	1.0	2.0	3.1	7.2	6.1	2.0	2.0
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°
3001.4	0°	3001.4	3001.4	3001.4	3001.4	3001.4	3001.4	3001.4	3001.4	3001.4
2983.0	2.5°	3023.8	3010.6	3038.2	3035.1	3021.8	3015.7	3008.5	3002.4	2957.4
2985.0	5°	3024.9	3004.4	3038.2	3032.0	3030.0	3019.8	3013.6	3022.8	2981.9
2993.2	7.5°	3024.9	3004.4	3041.2	3043.3	3040.2	3032.0	3031.0	3037.1	3003.4
3007.5	10°	3045.3	3037.1	3067.8	3070.9	3066.8	3064.7	3059.6	3055.5	3019.8
3056.6	12.5°	3088.3	3071.9	3106.7	3115.9	3112.8	3117.9	3105.6	3111.8	3075.0
3106.7	15°	3140.4	3141.4	3168.0	3188.4	3186.4	3202.7	3184.3	3200.7	3174.1
3163.9	17.5°	3220.1	3231.4	3269.2	3299.9	3311.1	3323.4	3311.1	3316.2	3278.4
3100.5	20°	3136.3	3178.2	3360.2	3416.4	3439.9	3451.2	3430.7	3436.8	3399.0
3022.8	22.5°	3060.7	3114.8	3276.3	3452.2	3524.8	3547.2	3540.1	3539.1	3524.8
2869.5	25°	2949.2	3058.6	3131.2	3317.2	3545.2	3586.1	3590.2	3589.2	3567.7
2775.4	27.5°	2812.2	2836.8	3024.9	3138.3	3402.1	3557.5	3551.3	3521.7	3493.1
2580.2	30°	2637.4	2748.9	2833.7	3014.6	3217.1	3469.6	3469.6	3447.1	3417.4
2510.7	32.5°	2548.5	2692.6	2771.4	2836.8	3009.5	3371.4	3412.3	3388.8	3365.3
2456.5	35°	2501.5	2522.9	2706.9	2766.2	2912.4	3182.3	3347.9	3324.4	3307.0
2312.4	37.5°	2398.2	2448.3	2534.2	2692.6	2737.6	3027.9	3262.0	3249.8	3229.3
2125.3	40°	2168.2	2302.1	2434.0	2584.3	2631.3	2829.6	3157.8	3162.9	3135.3
1925.9	42.5°	2032.3	2123.2	2329.7	2430.9	2557.7	2701.8	3056.6	3064.7	3045.3
1824.7	45°	1872.8	1974.0	2119.1	2303.2	2475.9	2526.0	2877.7	2963.5	2947.2
1623.4	47.5°	1726.6	1808.4	1986.3	2172.3	2363.5	2356.3	2672.2	2833.7	2811.2
1469.0	50°	1519.1	1662.2	1746.0	1916.7	2202.0	2221.4	2453.4	2681.4	2663.0
1248.2	52.5°	1280.9	1460.8	1621.3	1777.7	2038.4	2084.4	2250.0	2526.0	2513.7
953.8	55°	1119.4	1250.2	1431.2	1556.9	1840.1	1962.7	2097.7	2377.8	2371.6
784.1	57.5°	796.3	1048.8	1198.1	1373.9	1523.2	1745.0	1845.2	2076.2	2019.0
434.5	60°	539.8	658.3	840.3	1029.4	1129.6	1351.4	1444.5	1629.5	1614.2
259.7	62.5°	285.2	394.6	524.4	619.5	692.1	907.8	946.6	1146.0	1140.8
104.3	65°	125.7	166.6	284.2	333.3	407.9	508.1	541.8	613.4	596.0
51.1	67.5°	65.4	99.2	160.5	197.3	248.4	286.2	313.8	336.3	350.6
33.7	70°	39.9	72.6	99.2	137.0	170.7	201.4	222.9	253.5	271.9
17.4	72.5°	29.6	46.0	68.5	105.3	123.7	159.5	180.9	203.4	219.8
14.3	75°	16.4	30.7	55.2	82.8	99.2	129.8	149.3	164.6	169.7
8.2	77.5°	10.2	23.5	46.0	64.4	77.7	105.3	100.2	114.5	126.8
6.1	80°	7.2	17.4	35.8	53.2	54.2	67.5	79.7	92.0	100.2
4.1	82.5°	5.1	14.3	26.6	40.9	35.8	52.1	62.4	71.6	52.1
3.1	85°	4.1	10.2	13.3	24.5	20.4	36.8	31.7	30.7	20.4
2.0	87.5°	3.1	5.1	9.2	11.2	8.2	8.2	10.2	12.3	10.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
3001.4
2926.7
2947.2
2964.6
2990.1
3042.2
3130.2
3245.7
3372.4
3478.8
3535.0
3470.6
3406.2
3345.9
3282.5
3208.9
3129.1
3043.3
2949.2
2827.6
2666.1
2521.9
2378.8
2012.8
1615.2
1141.9
588.8
350.6
272.9
222.9
166.6
128.8
101.2
37.8
20.4
10.2
0.0

(END OF REPORT)