

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: P636884

Luminaire Tested: **IFLD-S-SA2C-930-U-LAM-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636884  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2C-930-U-LAM-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/  
Lambertian distribution lens and Visor  
Light Source: (32) 3000K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6704.5 lumens  
Efficiency: N/A  
Efficacy: 62.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B3 - U0 - G1

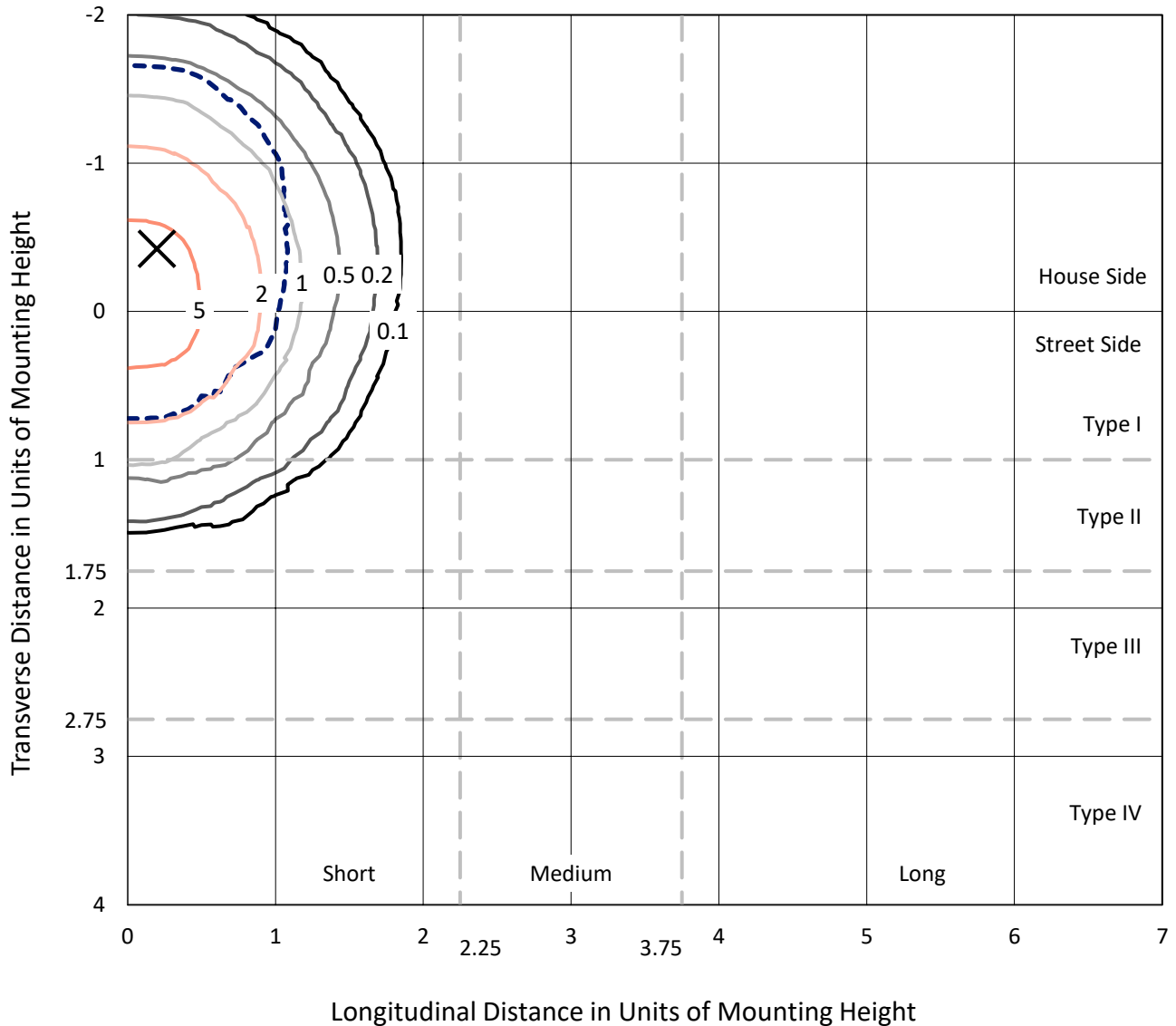
Input Watts (W): 108.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



REPORT NUMBER: P636884  
 CATALOG NUMBER: IFLD-S-SA2C-930-U-LAM-VI

### Iso-Footcandle Lines of Horizontal Illumination

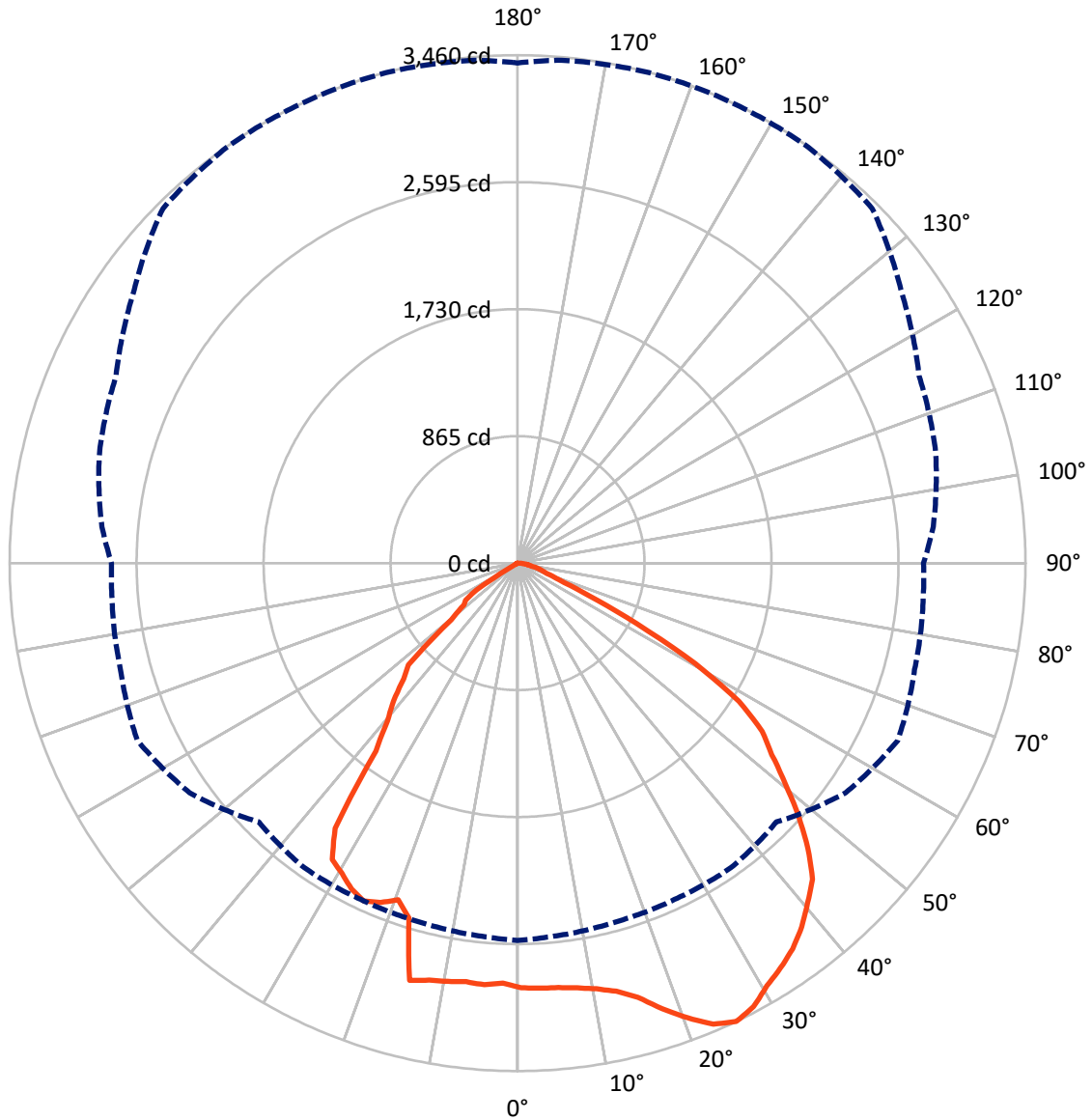
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.2 fc  
 Type I - Short - N/A

REPORT NUMBER: P636884  
CATALOG NUMBER: IFLD-S-SA2C-930-U-LAM-VI

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P636884

CATALOG NUMBER: IFLD-S-SA2C-930-U-LAM-VI

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4150.8	0.0	4150.8
	% Fixture	61.9	0.0	61.9
<b>Street Side</b>	Lumens	2553.7	0.0	2553.7
	% Fixture	38.1	0.0	38.1
<b>Total</b>	Lumens	6704.5	0.0	6704.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	277.5	4.1
10°-20°	847.4	12.6
20°-30°	1339.7	20.0
30°-40°	1513.4	22.6
40°-50°	1417.3	21.1
50°-60°	977.1	14.6
60°-70°	262.5	3.9
70°-80°	54.7	0.8
80°-90°	14.8	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°	6704.5	100.0
0°-180°	6704.5	100.0



REPORT NUMBER: P636884

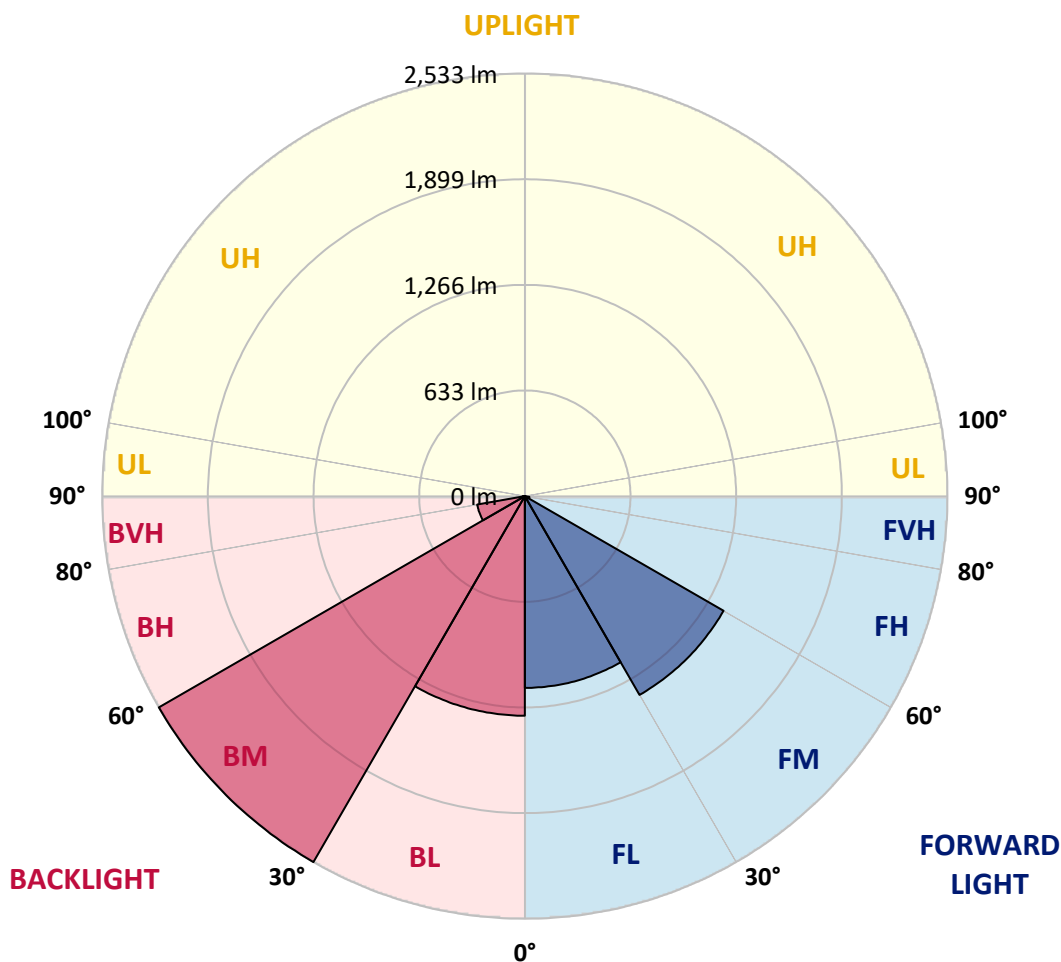
CATALOG NUMBER: IFLD-S-SA2C-930-U-LAM-VI

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1148.9	17.1			
FM (30°-60°)	1375.2	20.5			
FH (60°-80°)	27.6	0.4			G0/660
FVH (80°-90°)	2.0	0.0			G0/10
BL (0°-30°)	1315.8	19.6	B3/2500		
BM (30°-60°)	2532.5	37.8	B3/5000		
BH (60°-80°)	289.7	4.3	B1/500		G1/500
BVH (80°-90°)	12.8	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





REPORT NUMBER: P636884  
 CATALOG NUMBER: IFLD-S-SA2C-930-U-LAM-VI

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2892.9	2892.9	2892.9	2892.9	2892.9	2892.9	2892.9	2892.9	2892.9	2892.9
2.5°	2905.7	2887.0	2869.2	2863.3	2887.9	2914.6	2897.8	2898.8	2892.9	2903.7
5°	2927.4	2901.7	2889.9	2881.1	2885.0	2912.6	2888.9	2897.8	2887.9	2900.8
7.5°	2919.5	2901.7	2889.9	2873.2	2886.0	2918.5	2895.8	2896.8	2891.9	2903.7
10°	2914.6	2901.7	2887.0	2888.9	2903.7	2931.3	2913.6	2923.4	2916.5	2923.4
12.5°	2926.4	2912.6	2904.7	2904.7	2917.5	2949.0	2940.2	2949.0	2946.1	2952.0
15°	2815.0	2827.8	2902.7	2936.2	2961.8	2993.4	2989.4	2998.3	3000.3	3009.1
17.5°	2374.6	2361.8	2355.9	2528.3	2986.5	3084.0	3081.1	3080.1	3070.2	3063.3
20°	2432.7	2427.8	2420.9	2433.7	2485.0	3131.3	3151.0	3029.8	2994.4	2991.4
22.5°	2525.4	2517.5	2491.9	2492.8	2508.6	2722.4	3053.5	2943.1	2931.3	2924.4
25°	2570.7	2554.9	2534.2	2528.3	2533.2	2493.8	2727.3	2858.4	2800.3	2773.7
27.5°	2490.9	2491.9	2475.1	2490.9	2472.1	2294.8	2195.3	2692.9	2690.9	2679.1
30°	2430.8	2427.8	2408.1	2427.8	2298.7	2100.7	2058.3	2511.6	2490.9	2475.1
32.5°	2246.5	2248.5	2305.6	2382.5	2170.6	2014.0	1885.9	2243.6	2439.6	2430.8
35°	1607.0	1611.0	1814.0	2193.3	1976.5	1841.5	1831.7	1939.1	2358.8	2362.8
37.5°	1546.9	1546.9	1542.0	1604.1	1823.8	1771.6	1791.3	1780.5	2160.8	2170.6
40°	1503.6	1494.7	1487.8	1390.3	1268.1	1722.3	1736.1	1686.9	2042.6	2044.5
42.5°	1451.4	1441.5	1443.5	1263.2	1135.1	1600.1	1561.7	1495.7	1845.5	1847.5
45°	1355.8	1372.5	1384.4	1105.5	1095.7	1143.0	1440.5	1399.1	1712.5	1748.9
47.5°	689.7	704.5	1080.9	1016.8	1039.5	1015.9	1216.9	1217.8	1424.8	1546.0
50°	625.7	621.7	622.7	593.2	959.7	821.8	879.9	1116.4	1141.0	1314.4
52.5°	583.3	582.3	522.2	464.1	603.0	723.2	638.5	808.0	848.4	1113.4
55°	431.6	463.1	411.9	436.5	377.4	579.4	576.4	729.1	742.9	892.7
57.5°	3.9	4.9	11.8	332.1	261.1	289.7	398.1	497.6	522.2	695.6
60°	1.0	2.0	4.9	9.9	169.5	178.3	266.0	287.7	324.2	414.8
62.5°	0.0	0.0	2.0	4.9	8.9	72.9	84.7	92.6	142.9	211.8
65°	0.0	0.0	1.0	3.0	4.9	11.8	20.7	43.4	62.1	76.9
67.5°	0.0	0.0	1.0	2.0	3.9	5.9	11.8	16.8	26.6	45.3
70°	0.0	0.0	1.0	2.0	3.0	4.9	7.9	11.8	15.8	22.7
72.5°	0.0	0.0	1.0	2.0	2.0	5.9	5.9	8.9	11.8	14.8
75°	0.0	0.0	1.0	1.0	2.0	3.9	5.9	6.9	7.9	11.8
77.5°	0.0	0.0	1.0	2.0	3.0	3.9	4.9	7.9	6.9	6.9
80°	0.0	0.0	1.0	3.0	3.0	4.9	5.9	7.9	4.9	4.9
82.5°	0.0	0.0	1.0	3.9	3.0	9.9	9.9	10.8	3.9	3.9
85°	0.0	0.0	3.0	2.0	5.9	9.9	8.9	5.9	4.9	3.0
87.5°	0.0	0.0	1.0	1.0	2.0	3.0	6.9	5.9	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



REPORT NUMBER: P636884

CATALOG NUMBER: IFLD-S-SA2C-930-U-LAM-VI

**CANDELA DISTRIBUTION (continued):**

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
2892.9	0°	2892.9	2892.9	2892.9	2892.9	2892.9	2892.9	2892.9	2892.9	2892.9
2875.1	2.5°	2914.6	2901.7	2928.3	2925.4	2912.6	2906.7	2899.8	2893.9	2850.5
2877.1	5°	2915.5	2895.8	2928.3	2922.4	2920.5	2910.6	2904.7	2913.6	2874.2
2885.0	7.5°	2915.5	2895.8	2931.3	2933.3	2930.3	2922.4	2921.5	2927.4	2894.8
2898.8	10°	2935.2	2927.4	2956.9	2959.9	2955.9	2954.0	2949.0	2945.1	2910.6
2946.1	12.5°	2976.6	2960.9	2994.4	3003.2	3000.3	3005.2	2993.4	2999.3	2963.8
2994.4	15°	3026.9	3027.9	3053.5	3073.2	3071.2	3087.0	3069.2	3085.0	3059.4
3049.5	17.5°	3103.7	3114.6	3151.0	3180.6	3191.4	3203.2	3191.4	3196.4	3159.9
2988.5	20°	3022.9	3063.3	3238.7	3292.9	3315.6	3326.4	3306.7	3312.6	3276.2
2913.6	22.5°	2950.0	3002.2	3157.9	3327.4	3397.4	3419.0	3412.1	3411.2	3397.4
2765.8	25°	2842.6	2948.1	3018.0	3197.3	3417.1	3456.5	3460.4	3459.4	3438.7
2675.1	27.5°	2710.6	2734.2	2915.5	3024.9	3279.1	3428.9	3423.0	3394.4	3366.8
2486.9	30°	2542.1	2649.5	2731.3	2905.7	3100.8	3344.1	3344.1	3322.5	3293.9
2419.9	32.5°	2456.4	2595.3	2671.2	2734.2	2900.8	3249.6	3289.0	3266.3	3243.6
2367.7	35°	2411.1	2431.8	2609.1	2666.3	2807.2	3067.3	3226.9	3204.2	3187.5
2228.8	37.5°	2311.5	2359.8	2442.6	2595.3	2638.7	2918.5	3144.1	3132.3	3112.6
2048.5	40°	2089.8	2218.9	2346.0	2490.9	2536.2	2727.3	3043.6	3048.6	3022.0
1856.3	42.5°	1958.8	2046.5	2245.5	2343.1	2465.3	2604.2	2946.1	2954.0	2935.2
1758.8	45°	1805.1	1902.6	2042.6	2219.9	2386.4	2434.7	2773.7	2856.4	2840.7
1564.7	47.5°	1664.2	1743.0	1914.5	2093.8	2278.0	2271.1	2575.6	2731.3	2709.6
1415.9	50°	1464.2	1602.1	1682.9	1847.5	2122.4	2141.1	2364.7	2584.5	2566.7
1203.1	52.5°	1234.6	1408.0	1562.7	1713.5	1964.7	2009.1	2168.7	2434.7	2422.9
919.3	55°	1078.9	1205.0	1379.4	1500.6	1773.6	1891.8	2021.9	2291.8	2285.9
755.7	57.5°	767.6	1010.9	1154.8	1324.3	1468.1	1681.9	1778.5	2001.2	1946.0
418.8	60°	520.2	634.5	809.9	992.2	1088.8	1302.6	1392.2	1570.6	1555.8
250.3	62.5°	274.9	380.3	505.5	597.1	667.1	875.0	912.4	1104.5	1099.6
100.5	65°	121.2	160.6	273.9	321.2	393.1	489.7	522.2	591.2	574.4
49.3	67.5°	63.1	95.6	154.7	190.2	239.4	275.9	302.5	324.2	338.0
32.5	70°	38.4	70.0	95.6	132.0	164.5	194.1	214.8	244.4	262.1
16.8	72.5°	28.6	44.3	66.0	101.5	119.2	153.7	174.4	196.1	211.8
13.8	75°	15.8	29.6	53.2	79.8	95.6	125.1	143.9	158.6	163.6
7.9	77.5°	9.9	22.7	44.3	62.1	74.9	101.5	96.6	110.4	122.2
5.9	80°	6.9	16.8	34.5	51.2	52.2	65.0	76.9	88.7	96.6
3.9	82.5°	4.9	13.8	25.6	39.4	34.5	50.3	60.1	69.0	50.3
3.0	85°	3.9	9.9	12.8	23.6	19.7	35.5	30.5	29.6	19.7
2.0	87.5°	3.0	4.9	8.9	10.8	7.9	7.9	9.9	11.8	9.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°  
2892.9  
2820.9  
2840.7  
2857.4  
2882.0  
2932.3  
3017.0  
3128.4  
3250.5  
3353.0  
3407.2  
3345.1  
3283.1  
3224.9  
3163.8  
3092.9  
3016.0  
2933.3  
2842.6  
2725.4  
2569.7  
2430.8  
2292.8  
1940.1  
1556.8  
1100.6  
567.5  
338.0  
263.1  
214.8  
160.6  
124.1  
97.5  
36.5  
19.7  
9.9  
0.0

(END OF REPORT)