

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: P477224

Luminaire Tested: **IFLD-S-SA3E-722-U-T3**

Issue Date: 02/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P477224  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3E-722-U-T3  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3  
distribution lens  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

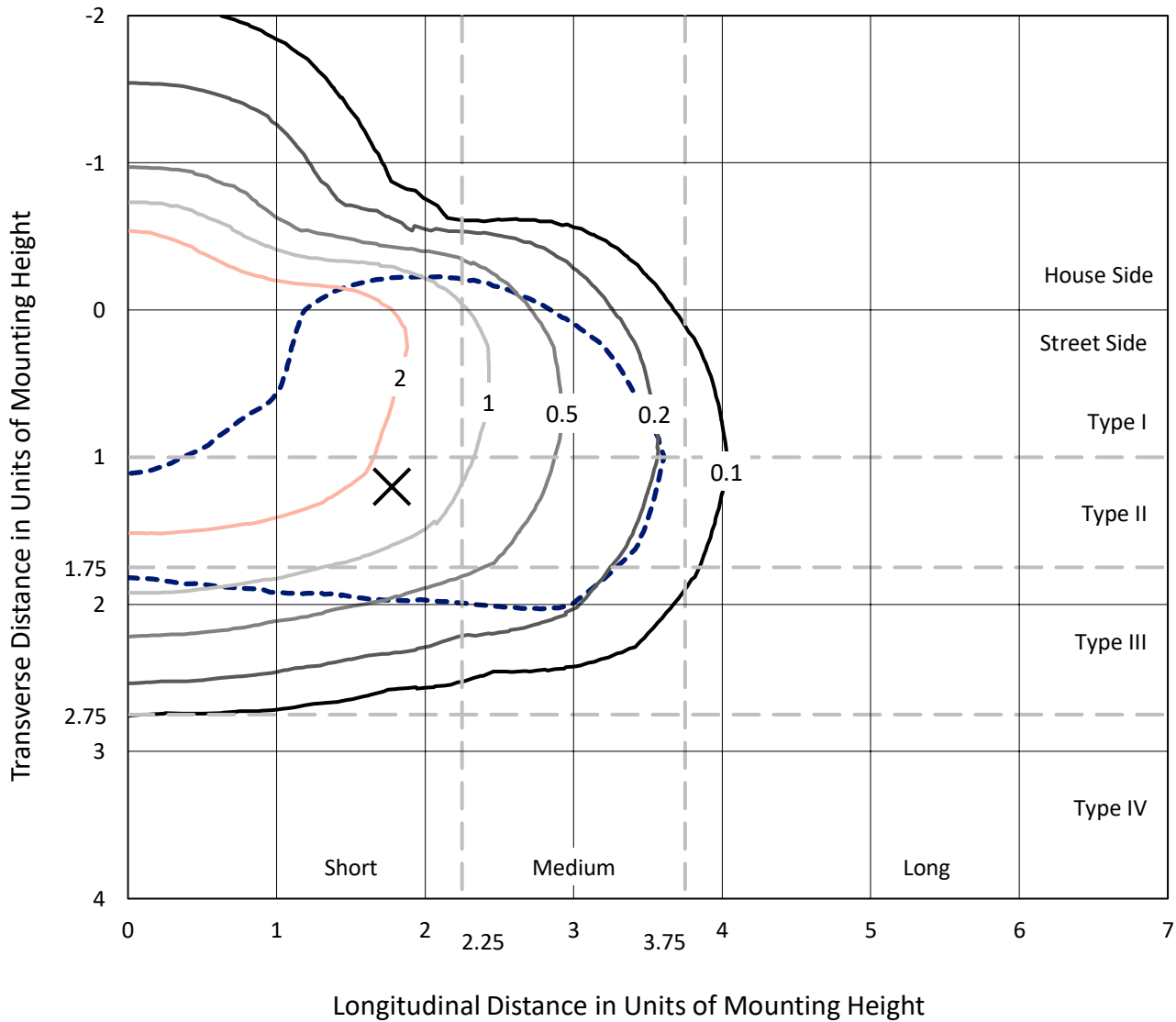
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20236.5 lumens  
Efficiency: N/A  
Efficacy: 87.2 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.5')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 232.1  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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

REPORT NUMBER: P477224  
 CATALOG NUMBER: IFLD-S-SA3E-722-U-T3

### Iso-Footcandle Lines of Horizontal Illumination

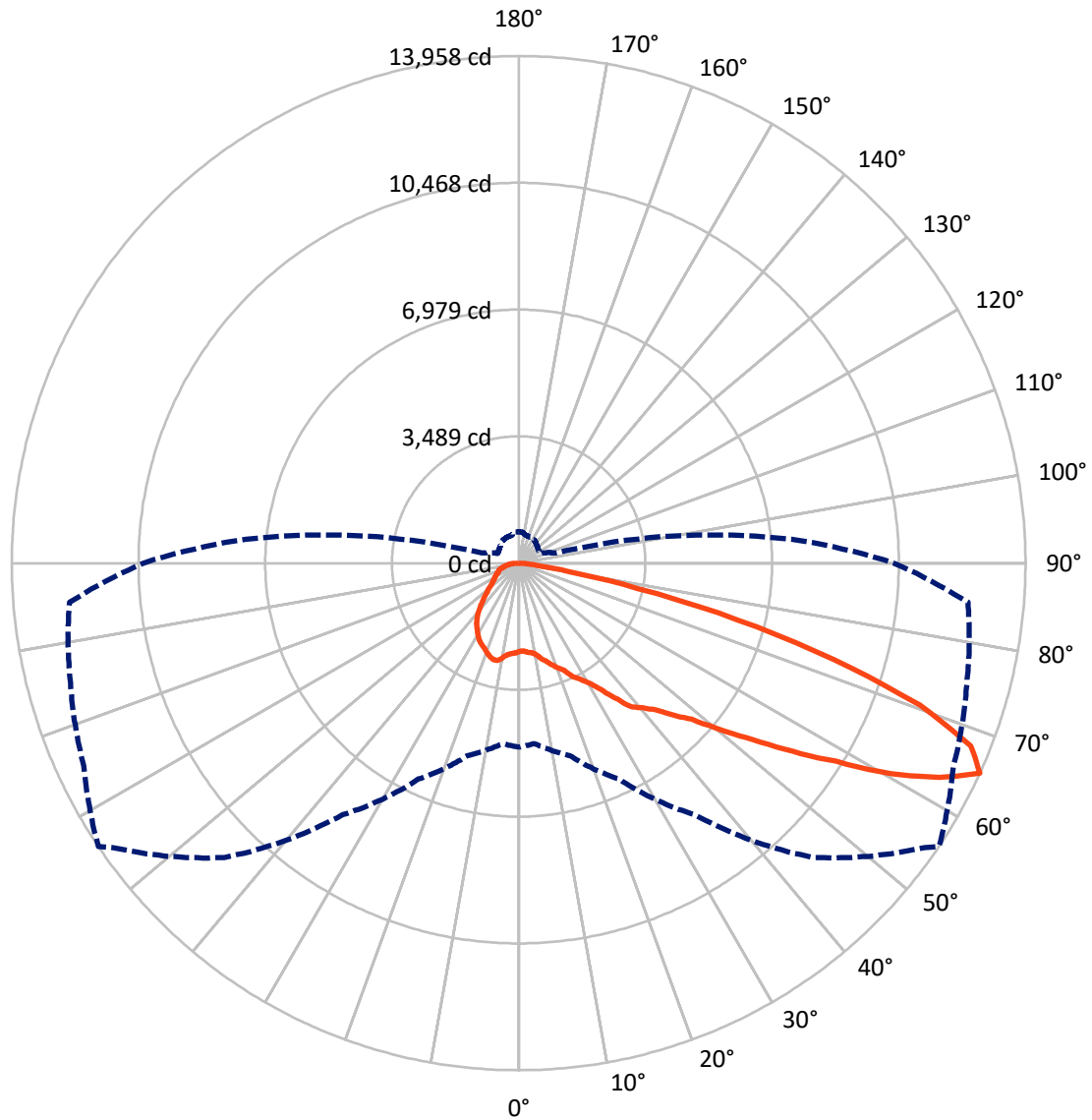
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc  
 Type III - Short - N/A

REPORT NUMBER: P477224  
CATALOG NUMBER: IFLD-S-SA3E-722-U-T3

### Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P477224

CATALOG NUMBER: IFLD-S-SA3E-722-U-T3

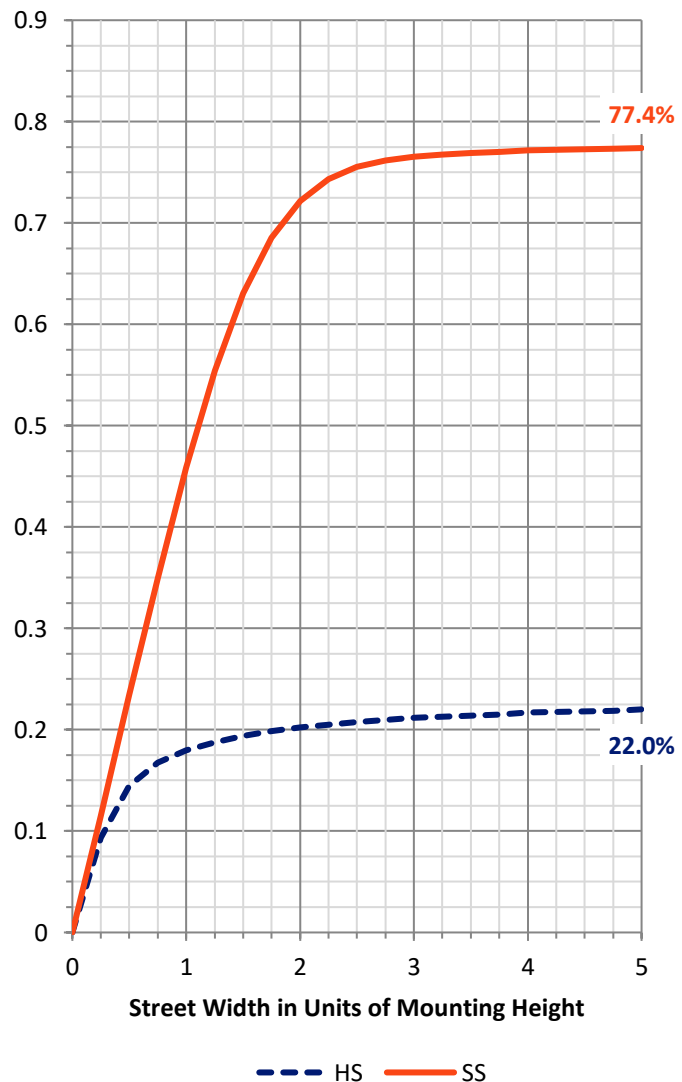
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4538.4	0.0	4538.4
	% Fixture	22.4	0.0	22.4
<b>Street Side</b>	Lumens	15698.1	0.0	15698.1
	% Fixture	77.6	0.0	77.6
<b>Total</b>	Lumens	20236.5	0.0	20236.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	240.7	1.2
10°-20°	781.6	3.9
20°-30°	1391.7	6.9
30°-40°	2084.0	10.3
40°-50°	3087.7	15.3
50°-60°	4757.7	23.5
60°-70°	5386.3	26.6
70°-80°	2235.4	11.0
80°-90°	271.6	1.3
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°	20236.5	100.0
0°-180°	20236.5	100.0

**Coefficient of Utilization**



REPORT NUMBER: P477224

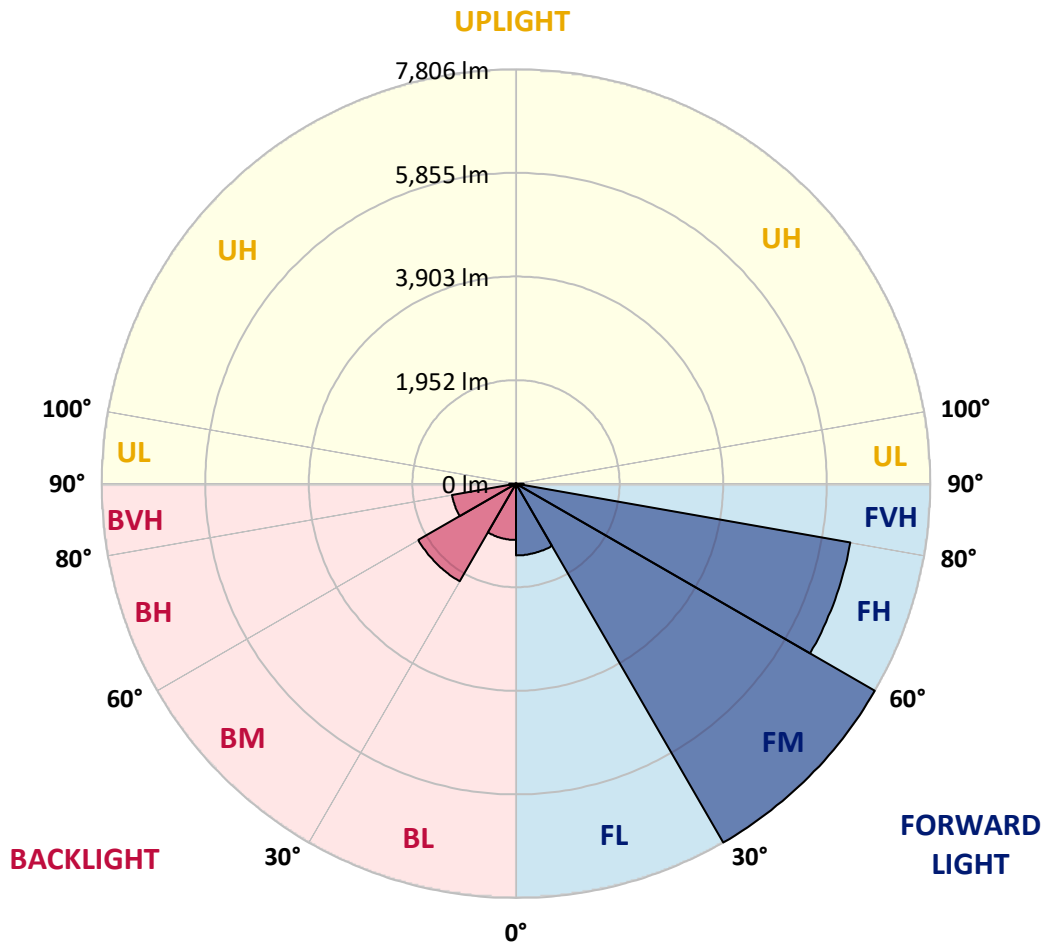
CATALOG NUMBER: IFLD-S-SA3E-722-U-T3

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1352.4	6.7			
FM (30°-60°)	7806.4	38.6			
FH (60°-80°)	6396.1	31.6			G3/7500
FVH (80°-90°)	143.2	0.7			G2/225
BL (0°-30°)	1061.6	5.2	B3/2500		
BM (30°-60°)	2123.0	10.5	B2/2500		
BH (60°-80°)	1225.5	6.1	B3/2500		G3/2500
BVH (80°-90°)	128.3	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 III Short





REPORT NUMBER: P477224  
 CATALOG NUMBER: IFLD-S-SA3E-722-U-T3

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°
0°	2429.0	2429.0	2429.0	2429.0	2429.0	2429.0	2429.0	2429.0	2429.0	2429.0
2.5°	2365.4	2378.1	2369.7	2395.1	2416.3	2416.3	2433.2	2420.5	2437.4	2460.7
5°	2443.8	2393.0	2420.5	2433.2	2426.8	2437.4	2420.5	2462.8	2435.3	2479.8
7.5°	2462.8	2481.9	2505.2	2484.0	2503.1	2492.5	2494.6	2488.3	2473.4	2509.4
10°	2602.6	2575.1	2628.0	2596.3	2592.0	2587.8	2579.3	2547.6	2583.6	2585.7
12.5°	2763.6	2738.1	2736.0	2710.6	2744.5	2683.1	2695.8	2678.8	2685.2	2693.7
15°	2880.0	2869.4	2918.1	2888.5	2844.0	2816.5	2846.1	2799.6	2822.8	2818.6
17.5°	3110.9	3108.7	3072.7	3024.0	2998.6	2958.4	2952.0	2933.0	2949.9	2941.4
20°	3271.8	3295.1	3301.4	3244.3	3146.9	3102.4	3091.8	3077.0	3096.0	3089.7
22.5°	3517.4	3481.4	3509.0	3409.4	3373.4	3267.6	3229.4	3208.3	3299.3	3276.0
25°	3674.1	3712.3	3684.7	3650.9	3570.4	3439.1	3411.6	3458.1	3494.1	3468.7
27.5°	4027.8	3989.7	3964.3	3862.6	3809.7	3672.0	3640.3	3623.3	3631.8	3646.6
30°	4296.7	4317.9	4260.7	4188.7	4055.3	3915.6	3841.4	3826.6	3797.0	3771.6
32.5°	4680.0	4648.3	4614.4	4567.8	4453.5	4269.2	4197.2	4142.2	4053.2	3934.6
35°	4864.3	4955.3	4929.9	4805.0	4718.2	4648.3	4627.1	4542.4	4468.3	4281.9
37.5°	5171.3	5209.5	5173.5	5133.2	5093.0	5018.9	4993.5	5016.7	4870.6	4563.6
40°	5370.4	5450.9	5525.0	5412.8	5404.3	5419.1	5262.4	5234.9	4934.2	4773.2
42.5°	5777.0	5810.9	5825.7	5821.5	5870.2	5870.2	5571.6	5512.3	5298.4	5167.1
45°	6314.9	6342.4	6395.3	6433.5	6378.4	6405.9	5980.3	5957.0	5766.4	5741.0
47.5°	6780.8	6846.4	6965.0	7077.2	7149.2	7056.1	6590.2	6425.0	6376.3	6528.8
50°	7187.4	7109.0	7386.4	7500.8	7816.3	7970.9	7263.6	7197.9	7119.6	7411.8
52.5°	7227.6	7333.5	7725.2	7954.0	8604.1	8890.0	8089.5	8062.0	7966.7	8303.4
55°	7515.6	7502.9	7896.8	8392.3	9165.3	9646.0	9165.3	9148.3	8940.8	9260.6
57.5°	7466.9	7596.1	7907.4	8599.8	9671.4	10457.0	10412.6	10296.1	10006.0	10266.4
60°	7301.7	7335.6	7714.7	8593.5	9965.7	11289.3	11759.4	11782.7	11189.7	11397.3
62.5°	6365.7	6444.1	6924.8	7918.0	9756.1	11863.2	13074.5	12991.9	12517.5	12280.3
65°	5063.3	4985.0	5484.8	6558.4	8451.6	11456.6	13650.5	13957.5	13212.1	12778.0
67.5°	3104.5	3085.4	3566.1	4512.7	6323.3	9749.7	13190.9	13430.2	13019.4	12672.1
70°	1598.8	1550.1	1850.8	2517.9	3974.9	7153.5	11479.9	11714.9	12106.7	11365.5
72.5°	745.4	734.8	895.8	1238.8	2024.5	4205.7	8890.0	9059.4	9885.3	9582.4
75°	438.4	444.7	535.8	648.0	986.8	1982.1	5899.8	6228.1	7123.8	6905.7
77.5°	328.2	328.2	381.2	451.1	576.0	766.6	2911.8	3345.9	4165.4	3746.2
80°	241.4	245.6	292.2	338.8	400.2	396.0	1156.2	1355.3	1910.1	1632.7
82.5°	188.5	194.8	226.6	252.0	281.6	239.3	474.4	510.4	785.7	624.7
85°	131.3	135.5	177.9	171.5	171.5	133.4	196.9	207.5	311.3	296.5
87.5°	31.8	36.0	86.8	95.3	72.0	40.2	61.4	69.9	112.2	129.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P477224  
 CATALOG NUMBER: IFLD-S-SA3E-722-U-T3

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2429.0	0°	2429.0	2429.0	2429.0	2429.0	2429.0	2429.0	2429.0	2429.0	2429.0	2429.0
2471.3	2.5°	2439.6	2448.0	2484.0	2465.0	2475.6	2431.1	2467.1	2437.4	2462.8	2450.1
2490.4	5°	2507.3	2488.3	2509.4	2494.6	2494.6	2511.6	2537.0	2517.9	2556.0	2539.1
2505.2	7.5°	2534.8	2537.0	2549.7	2551.8	2541.2	2594.1	2596.3	2589.9	2625.9	2617.4
2606.8	10°	2602.6	2604.7	2628.0	2640.7	2630.1	2649.2	2628.0	2611.1	2609.0	2600.5
2687.3	12.5°	2710.6	2731.8	2727.6	2738.1	2740.3	2659.8	2611.1	2528.5	2517.9	2528.5
2805.9	15°	2810.1	2801.7	2805.9	2827.1	2738.1	2609.0	2522.1	2452.3	2456.5	2458.6
2960.5	17.5°	2928.7	2935.1	2941.4	2844.0	2681.0	2528.5	2452.3	2452.3	2431.1	2439.6
3068.5	20°	3064.3	3038.9	2983.8	2846.1	2581.4	2435.3	2412.0	2412.0	2386.6	2369.7
3185.0	22.5°	3170.1	3119.3	3036.7	2780.5	2492.5	2399.3	2342.1	2301.9	2272.3	2238.4
3314.1	25°	3237.9	3210.4	3049.4	2712.7	2426.8	2304.0	2219.3	2157.9	2119.8	2075.3
3415.8	27.5°	3341.7	3288.7	3085.4	2634.4	2354.8	2208.7	2077.4	1982.1	1910.1	1863.5
3570.4	30°	3481.4	3405.2	3060.0	2522.1	2244.7	2043.5	1889.0	1766.1	1683.5	1645.4
3716.5	32.5°	3595.8	3496.3	3038.9	2420.5	2121.9	1876.3	1670.8	1545.9	1499.3	1450.6
3962.2	35°	3813.9	3617.0	3024.0	2363.3	2011.8	1709.0	1493.0	1385.0	1325.7	1253.7
4108.3	37.5°	3981.2	3826.6	2988.0	2244.7	1869.9	1545.9	1357.4	1260.0	1171.1	1094.8
4447.1	40°	4243.8	4118.9	2990.1	2077.4	1702.6	1406.1	1251.5	1149.9	1037.7	972.0
4949.0	42.5°	4737.2	4406.9	3002.8	1944.0	1514.1	1291.8	1156.2	1035.5	923.3	868.2
5520.8	45°	5342.9	4802.9	2924.5	1823.3	1321.4	1183.8	1041.9	921.2	849.2	808.9
6297.9	47.5°	6039.6	5190.4	2818.6	1596.7	1160.5	1069.4	936.0	866.1	813.2	789.9
7299.6	50°	6818.9	5745.2	2789.0	1389.2	1035.5	972.0	885.2	832.2	796.2	768.7
8428.3	52.5°	7822.7	6391.1	2729.7	1175.3	927.5	893.7	866.1	830.1	798.4	775.1
9480.8	55°	8782.0	7106.9	2666.1	999.5	851.3	855.5	870.4	838.6	811.1	775.1
10660.3	57.5°	9862.0	7837.5	2431.1	870.4	794.1	836.5	866.1	830.1	802.6	775.1
11867.4	60°	10529.0	8248.3	1971.5	758.1	743.3	800.5	840.7	802.6	772.9	783.5
12422.2	62.5°	10800.1	8032.3	1486.6	688.2	707.3	751.8	800.5	785.7	764.5	804.7
12415.9	65°	10338.4	7534.7	1063.1	628.9	658.6	703.1	764.5	781.4	787.8	866.1
11403.6	67.5°	9199.1	6560.5	781.4	580.2	607.8	673.4	789.9	817.4	813.2	910.6
9569.7	70°	7361.0	5131.1	609.9	540.0	588.7	696.7	825.9	825.9	796.2	910.6
7299.6	72.5°	5355.6	3617.0	525.2	493.4	540.0	639.5	821.7	819.5	781.4	832.2
4648.3	75°	3242.1	2105.0	463.8	446.8	463.8	548.5	785.7	772.9	720.0	715.8
2236.3	77.5°	1615.8	1058.8	379.1	396.0	404.5	459.5	690.4	709.4	637.4	620.5
883.1	80°	681.9	461.7	315.5	340.9	340.9	387.5	573.9	586.6	529.4	497.7
349.4	82.5°	311.3	264.7	268.9	296.5	277.4	300.7	455.3	470.1	429.9	376.9
148.2	85°	131.3	150.4	205.4	232.9	205.4	194.8	313.4	330.4	279.5	232.9
63.5	87.5°	59.3	82.6	129.2	169.4	103.8	91.1	167.3	173.6	139.8	103.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O





180°  
2429.0  
2426.8  
2515.8  
2604.7  
2600.5  
2532.7  
2488.3  
2441.7  
2344.3  
2219.3  
2083.8  
1884.7  
1666.6  
1448.5  
1247.3  
1097.0  
978.4  
872.5  
817.4  
785.7  
772.9  
772.9  
772.9  
772.9  
775.1  
794.1  
**866.1**  
916.9  
891.5  
802.6  
707.3  
609.9  
487.1  
368.5  
235.1  
97.4  
0.0

F REPORT)