

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: P852970

Luminaire Tested: **GLAN-SB7D-730-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852970  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7D-730-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 52929 lumens  
Efficiency: N/A  
Efficacy: 103.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5

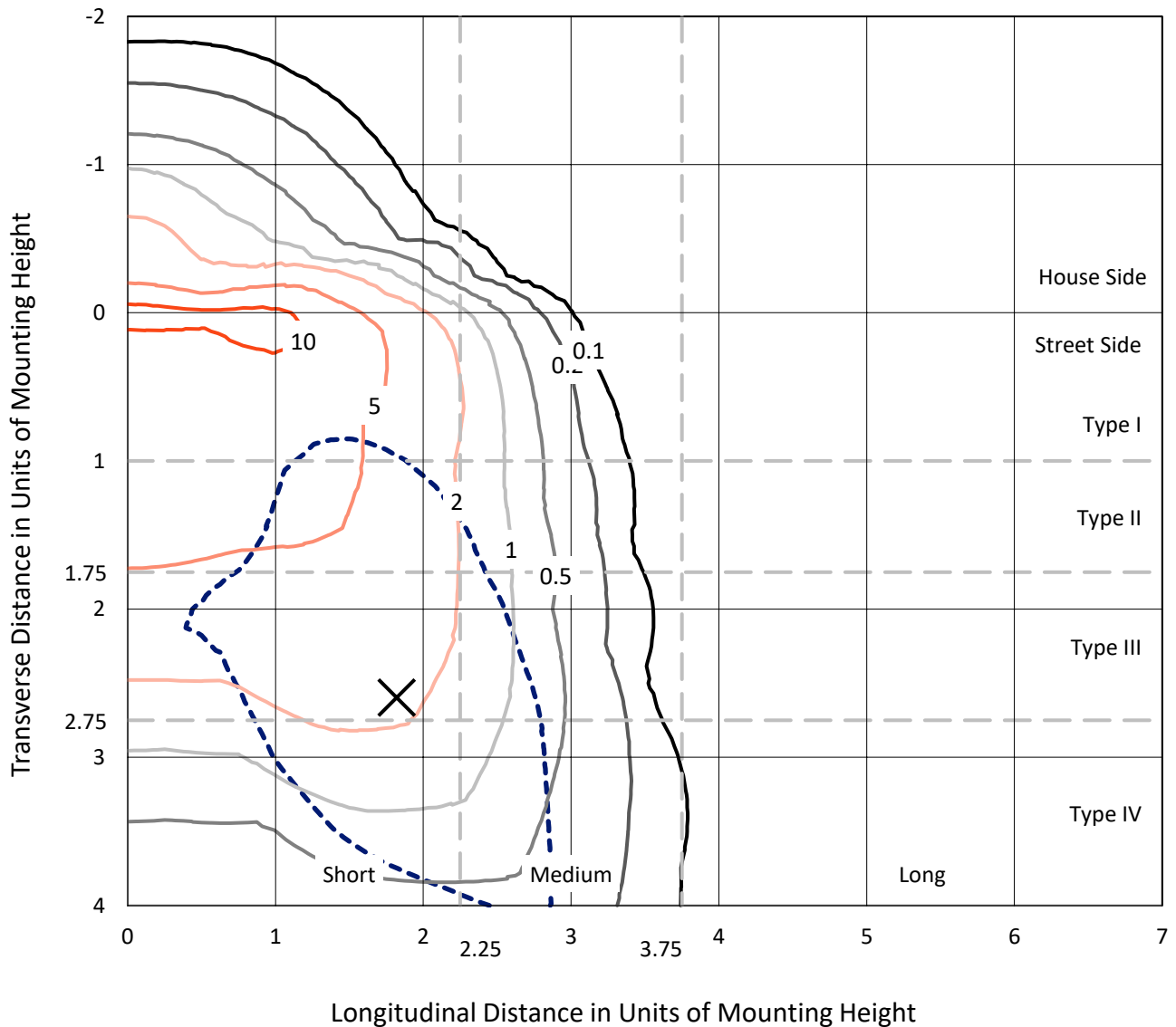
Input Watts (W): 512.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P852970  
 CATALOG NUMBER: GLAN-SB7D-730-U-T4FT-HSS

### Iso-Footcandle Lines of Horizontal Illumination

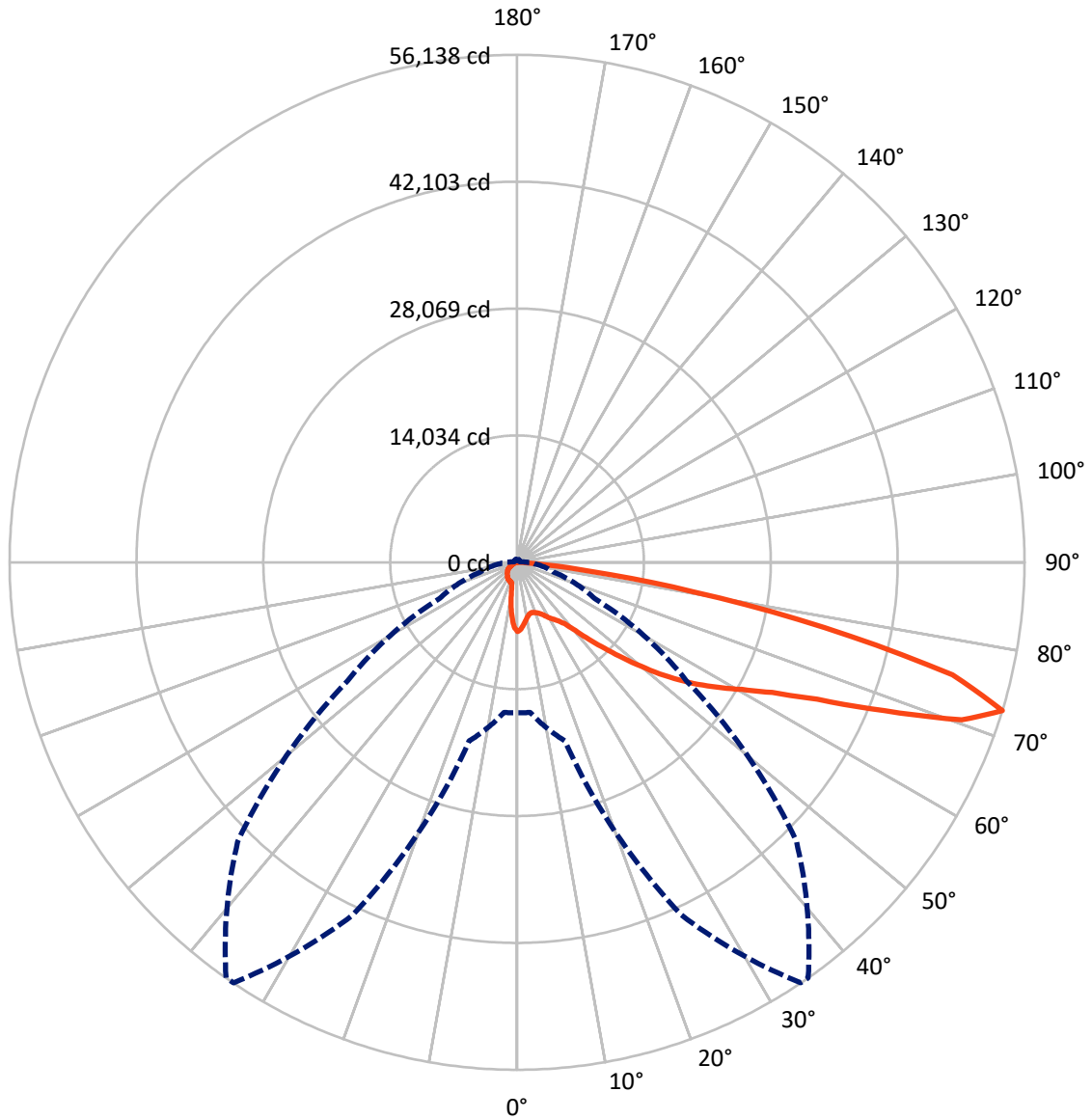
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.3 fc  
 Type IV - Short - N/A

REPORT NUMBER: P852970  
CATALOG NUMBER: GLAN-SB7D-730-U-T4FT-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P852970  
 CATALOG NUMBER: GLAN-SB7D-730-U-T4FT-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5956.9	0.0	5956.9
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	46972.1	0.0	46972.1
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	52929.0	0.0	52929.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	630.4	1.2
10°-20°	1474.7	2.8
20°-30°	2395.6	4.5
30°-40°	3997.0	7.6
40°-50°	7562.4	14.3
50°-60°	12016.6	22.7
60°-70°	14865.3	28.1
70°-80°	9240.4	17.5
80°-90°	746.8	1.4
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°	52929.0	100.0
0°-180°	52929.0	100.0

**Coefficient of Utilization**



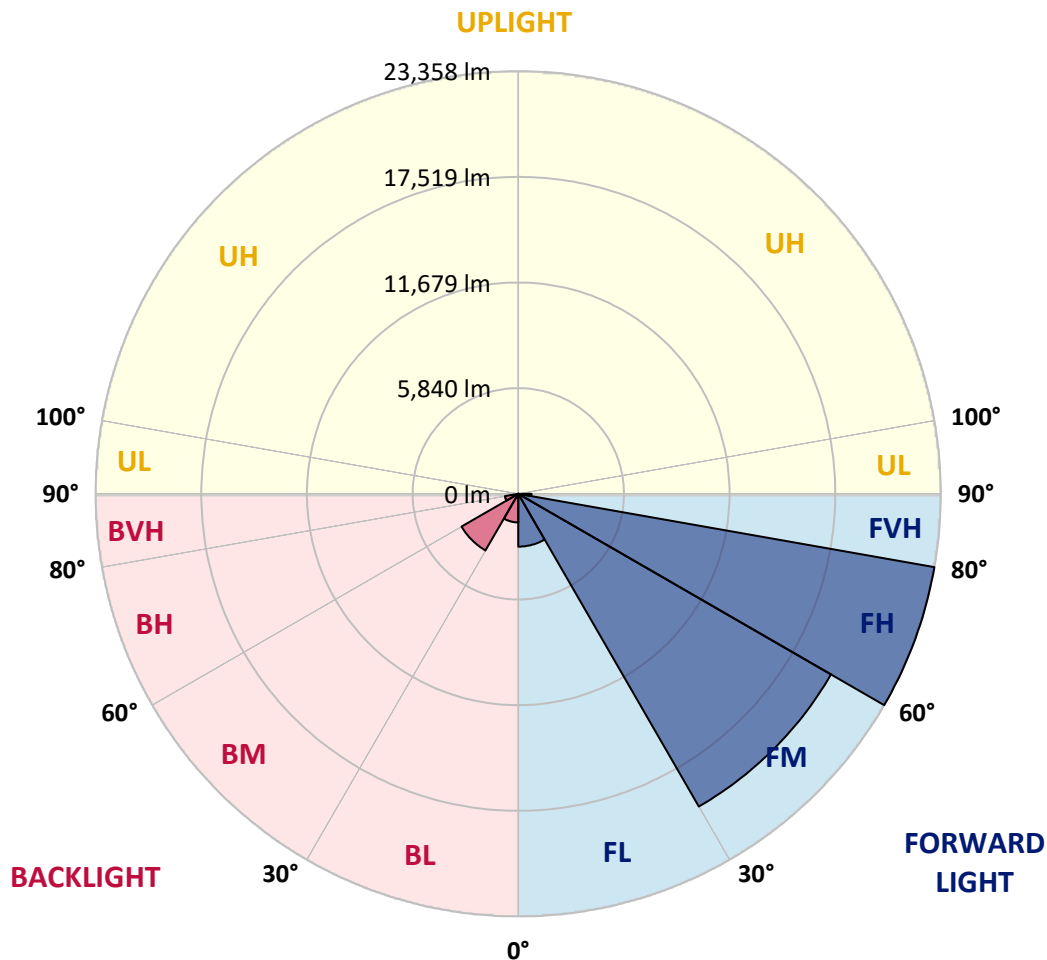
REPORT NUMBER: P852970  
 CATALOG NUMBER: GLAN-SB7D-730-U-T4FT-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2917.7	5.5			
FM (30°-60°)	19959.5	37.7			
FH (60°-80°)	23358.2	44.1			G5
FVH (80°-90°)	736.6	1.4			G4/750
BL (0°-30°)	1582.9	3.0	B3/2500		
BM (30°-60°)	3616.4	6.8	B3/5000		
BH (60°-80°)	747.5	1.4	B2/1000		G2/1000
BVH (80°-90°)	10.2	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**

Type IV Short



REPORT NUMBER: P852970  
 CATALOG NUMBER: GLAN-SB7D-730-U-T4FT-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	7671.2	7671.2	7671.2	7671.2	7671.2	7671.2	7671.2	7671.2	7671.2	7671.2
2.5°	7329.9	7392.0	7403.6	7423.0	7423.0	7446.2	7485.0	7539.3	7628.5	7675.1
5°	6755.9	6802.5	6860.6	6907.2	6996.4	7008.0	7159.3	7306.6	7512.2	7667.3
7.5°	6178.1	6232.4	6309.9	6422.4	6538.7	6573.6	6802.5	7050.7	7376.4	7667.3
10°	5770.8	5774.7	5844.5	5957.0	6143.2	6185.8	6465.0	6818.0	7225.2	7620.8
12.5°	5542.0	5569.2	5600.2	5685.5	5863.9	5891.1	6189.7	6604.7	7073.9	7593.6
15°	5542.0	5561.4	5580.8	5623.5	5767.0	5790.2	6054.0	6468.9	6996.4	7605.3
17.5°	5600.2	5631.2	5615.7	5666.1	5817.4	5832.9	6065.6	6430.1	6992.5	7678.9
20°	5739.8	5763.1	5732.1	5763.1	5914.3	5945.4	6185.8	6503.8	7058.4	7806.9
22.5°	5960.9	5972.5	5898.8	5922.1	6077.2	6116.0	6395.2	6713.3	7217.4	8012.5
25°	6240.1	6263.4	6150.9	6178.1	6325.4	6372.0	6693.9	7027.4	7469.5	8295.6
27.5°	6562.0	6573.6	6476.7	6472.8	6662.8	6728.8	7054.5	7415.2	7806.9	8652.4
30°	6930.4	6965.3	6872.3	6856.8	7097.2	7151.5	7473.4	7892.2	8303.3	9187.6
32.5°	7221.3	7248.5	7194.2	7232.9	7477.3	7519.9	7981.4	8567.1	9082.9	9947.7
35°	7640.2	7655.7	7531.6	7601.4	7880.6	7989.2	8675.7	9513.4	10064.1	10901.8
37.5°	9156.6	9156.6	8629.1	8284.0	8551.6	8648.5	9625.8	10704.0	11274.1	12181.6
40°	11254.7	11219.8	10448.0	9742.2	9707.3	9897.3	10979.3	12204.9	12837.0	13717.4
42.5°	13492.4	13438.2	12387.1	11689.1	11572.7	11638.6	12542.3	14054.8	14698.6	15590.6
45°	15478.1	15462.6	14500.8	13562.3	13352.8	13562.3	14493.0	16218.9	16680.4	17618.9
47.5°	17141.9	17141.9	16439.9	15827.2	15718.6	15842.7	17134.1	18619.5	18576.8	19779.1
50°	19057.7	19042.2	18375.2	18111.4	18223.9	18398.4	20174.7	21148.1	20539.2	21900.5
52.5°	20399.6	20492.7	20263.9	20221.2	20795.2	21097.7	23261.8	23622.4	22296.1	23913.3
55°	21462.3	21570.8	21834.6	22133.2	23238.5	23634.1	26251.9	25968.8	23765.9	25658.5
57.5°	22967.0	22811.9	23219.1	23808.6	25596.5	26073.5	29149.0	28183.3	24948.8	27074.1
60°	24793.7	24816.9	24886.8	25631.4	27950.6	28563.3	32003.4	30277.5	25708.9	27942.8
62.5°	26988.8	27023.7	27167.2	28311.3	31111.4	31689.2	35043.9	31991.7	26058.0	27698.5
65°	26837.5	26984.9	28586.6	32499.8	35916.5	36486.6	38592.5	33194.0	25530.5	25464.6
67.5°	24448.5	24689.0	27368.8	37502.7	43161.1	43797.1	42881.9	33430.6	23254.0	19802.4
70°	21314.9	21400.2	24623.0	42001.5	51549.8	52193.5	46721.3	30828.2	17646.1	11045.3
72.5°	16645.5	16664.9	20446.2	43044.7	56102.8	56137.7	43707.9	22885.6	9490.1	4242.8
75°	11890.7	11774.4	13694.1	34908.2	49358.5	49754.1	32767.4	10735.0	3626.2	2005.1
77.5°	6375.8	6503.8	7748.8	20702.1	34097.6	34772.4	17878.8	3094.8	1846.0	1365.1
80°	1970.2	2078.7	3176.3	9478.5	19313.7	19720.9	6627.9	1376.8	1287.6	973.4
82.5°	620.5	643.8	1481.5	3983.0	8016.4	8202.5	1919.7	779.5	880.4	643.8
85°	178.4	182.3	659.3	1485.4	1981.8	2020.6	539.1	302.5	504.2	399.5
87.5°	19.4	62.1	248.2	248.2	174.5	170.6	58.2	65.9	143.5	50.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P852970  
 CATALOG NUMBER: GLAN-SB7D-730-U-T4FT-HSS

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
7671.2	0°	7671.2	7671.2	7671.2	7671.2	7671.2	7671.2	7671.2	7671.2	7671.2	7671.2
7706.1	2.5°	7686.7	7690.6	7640.2	7554.8	7461.8	7384.2	7287.2	7209.7	7155.4	7139.9
7775.9	5°	7741.0	7713.8	7570.4	7310.5	7000.2	6732.6	6434.0	6197.5	6042.3	5976.4
7849.6	7.5°	7822.4	7744.9	7430.7	6918.8	6325.4	5798.0	5262.8	4847.8	4584.1	4452.2
7919.4	10°	7892.2	7737.1	7198.0	6352.6	5445.1	4646.1	3924.8	3424.5	3145.3	3013.4
8000.8	12.5°	7958.2	7733.2	6895.5	5681.6	4452.2	3474.9	2804.0	2555.8	2478.2	2451.1
8132.7	15°	8082.3	7744.9	6515.5	4913.7	3463.3	2625.6	2381.2	2377.4	2392.9	2385.1
8334.4	17.5°	8252.9	7756.5	6085.0	4099.3	2672.1	2315.3	2303.7	2338.6	2361.9	2350.2
8586.5	20°	8474.0	7803.0	5627.3	3292.6	2295.9	2237.8	2264.9	2295.9	2315.3	2295.9
8923.9	22.5°	8784.2	7884.5	5127.1	2645.0	2175.7	2191.2	2214.5	2249.4	2268.8	2241.6
9354.3	25°	9164.3	8012.5	4634.5	2299.8	2117.5	2136.9	2171.8	2210.6	2233.9	2206.7
9897.3	27.5°	9656.9	8218.0	4180.8	2222.2	2059.4	2071.0	2121.4	2179.6	2210.6	2175.7
10669.1	30°	10370.5	8555.4	3789.1	2257.1	2024.4	1997.3	2067.1	2148.6	2183.5	2152.4
11720.1	32.5°	11316.7	9032.5	3548.6	2311.4	2008.9	1912.0	1977.9	2082.6	2140.8	2121.4
13093.0	35°	12557.8	9757.7	3455.5	2373.5	1997.3	1822.8	1869.3	1981.8	2082.6	2102.0
14822.7	37.5°	14062.5	10766.0	3482.7	2400.6	1962.4	1749.1	1772.4	1869.3	2001.2	2063.2
16769.6	40°	15772.9	11941.1	3637.8	2373.5	1923.6	1687.0	1690.9	1764.6	1881.0	1974.0
18863.8	42.5°	17537.5	13314.0	3924.8	2272.7	1888.7	1632.7	1621.1	1671.5	1749.1	1815.0
20954.2	45°	19216.7	14725.7	4207.9	2133.0	1846.0	1578.4	1551.3	1570.7	1586.2	1613.4
22990.3	47.5°	20682.7	15718.6	4126.5	2005.1	1787.9	1516.4	1469.9	1462.1	1415.6	1411.7
24809.2	50°	21695.0	15935.7	3665.0	1877.1	1702.6	1446.6	1372.9	1326.4	1244.9	1206.1
26170.5	52.5°	22016.8	15078.7	2994.0	1749.1	1562.9	1353.5	1248.8	1175.1	1074.3	1039.4
26953.9	55°	21590.2	13399.4	2392.9	1594.0	1369.0	1229.4	1113.1	1016.1	934.7	892.0
27039.2	57.5°	20547.0	11262.5	1892.6	1411.7	1163.5	1089.8	973.4	876.5	806.7	764.0
26092.9	60°	18817.3	8943.3	1497.0	1194.5	992.8	938.5	818.3	756.3	694.2	643.8
23649.6	62.5°	16191.7	6383.6	1175.1	946.3	829.9	767.9	698.1	651.5	577.9	508.1
19255.5	65°	12635.4	3905.4	907.5	694.2	667.1	636.0	593.4	550.7	461.5	391.7
12561.7	67.5°	7969.8	1849.9	647.7	523.6	527.4	511.9	492.5	457.6	391.7	329.7
5627.3	70°	3509.8	895.9	426.6	399.5	391.7	391.7	407.2	395.6	333.5	275.4
1954.6	72.5°	1194.5	480.9	318.0	302.5	283.1	279.2	341.3	329.7	267.6	213.3
973.4	75°	624.4	321.9	232.7	217.2	170.6	205.5	271.5	256.0	190.0	139.6
643.8	77.5°	407.2	228.8	159.0	139.6	97.0	135.7	201.7	178.4	112.5	69.8
422.7	80°	256.0	151.3	93.1	65.9	46.5	73.7	108.6	77.6	42.7	15.5
248.2	82.5°	135.7	77.6	34.9	23.3	19.4	23.3	27.1	19.4	7.8	0.0
128.0	85°	54.3	27.1	11.6	7.8	3.9	0.0	7.8	3.9	0.0	0.0
23.3	87.5°	19.4	3.9	0.0	0.0	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

(END O



180°
7671.2
7167.0
5999.7
4471.6
3017.3
2443.3
2381.2
2346.3
2292.0
2237.8
2202.8
2175.7
2148.6
2121.4
2102.0
2078.7
2005.1
1842.2
1628.9
1407.8
1210.0
1035.5
892.0
756.3
632.2
496.4
380.1
321.9
263.7
201.7
128.0
62.1
11.6
0.0
0.0
0.0
0.0

F REPORT)