

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: P848505

Luminaire Tested: **GLAN-SB5A-835-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848505  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5A-835-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13700 lumens  
Efficiency: N/A  
Efficacy: 96.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2

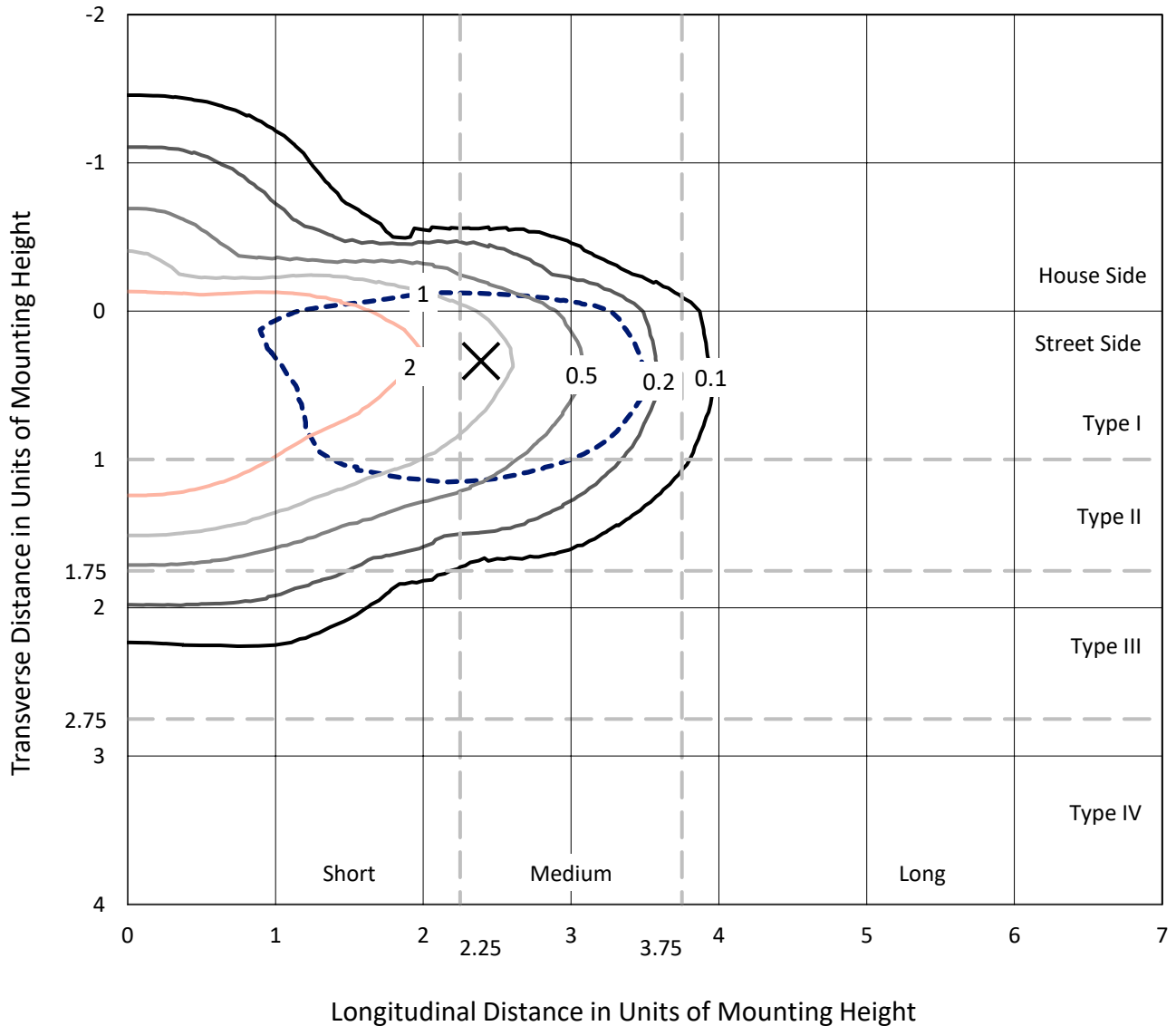
Input Watts (W): 141.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P848505  
 CATALOG NUMBER: GLAN-SB5A-835-U-T2-HSS

### Iso-Footcandle Lines of Horizontal Illumination

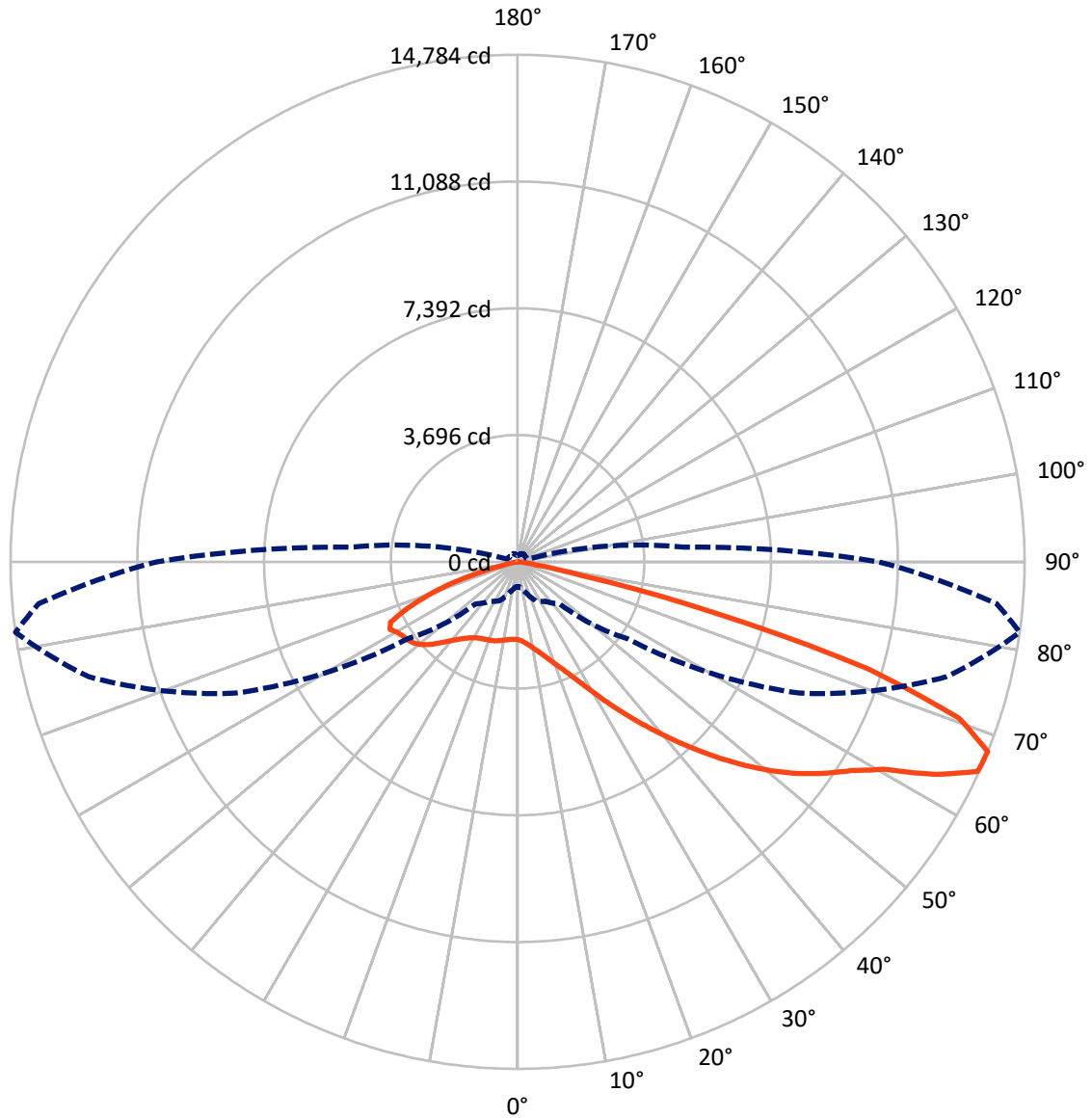
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc  
 Type II - Medium - N/A

REPORT NUMBER: P848505  
CATALOG NUMBER: GLAN-SB5A-835-U-T2-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P848505  
 CATALOG NUMBER: GLAN-SB5A-835-U-T2-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2481.6	0.0	2481.6
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	11218.4	0.0	11218.4
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	13700.0	0.0	13700.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	202.2	1.5
10°-20°	525.5	3.8
20°-30°	841.6	6.1
30°-40°	1488.2	10.9
40°-50°	2607.5	19.0
50°-60°	3477.7	25.4
60°-70°	3237.6	23.6
70°-80°	1242.6	9.1
80°-90°	77.2	0.6
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°	13700.0	100.0
0°-180°	13700.0	100.0

**Coefficient of Utilization**

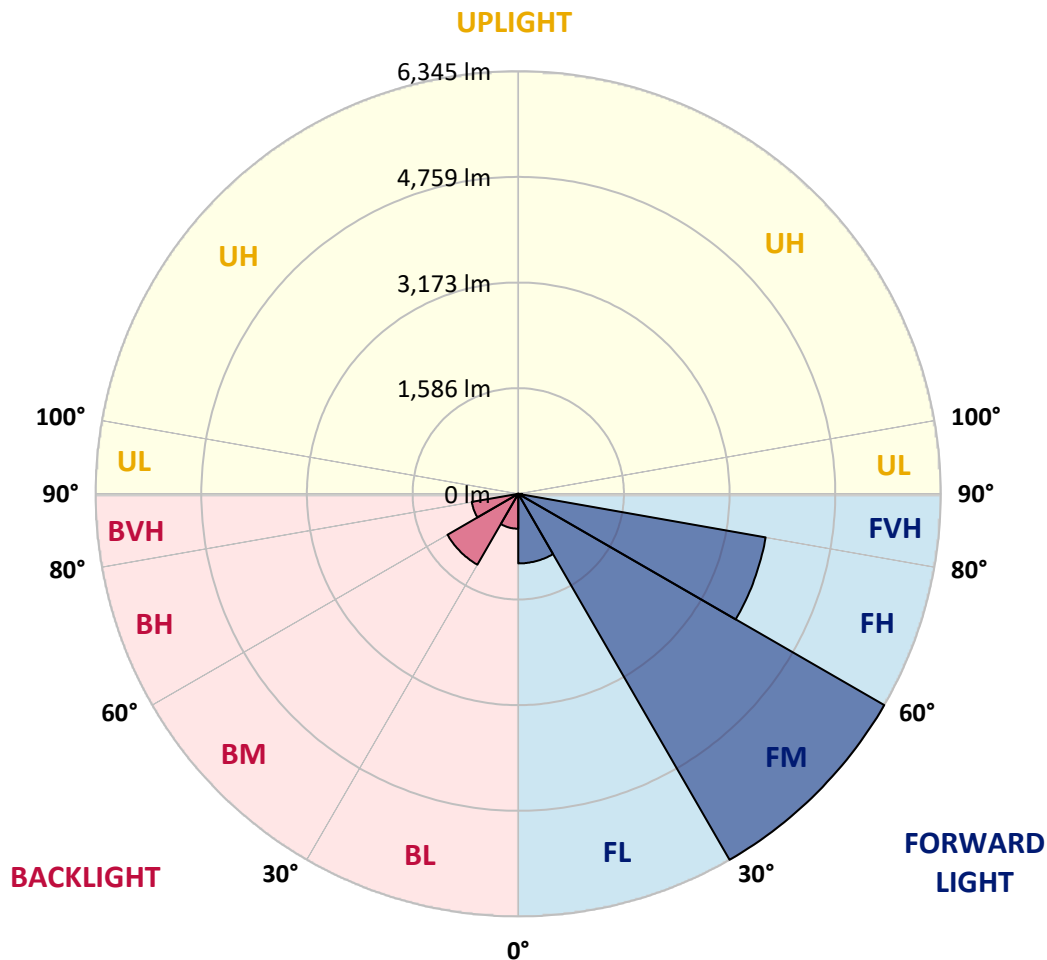


REPORT NUMBER: P848505  
 CATALOG NUMBER: GLAN-SB5A-835-U-T2-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1045.2	7.6			
FM (30°-60°)	6345.3	46.3			
FH (60°-80°)	3771.8	27.5			G2/5000
FVH (80°-90°)	56.1	0.4			G1/100
BL (0°-30°)	524.1	3.8	B2/1000		
BM (30°-60°)	1228.1	9.0	B2/2500		
BH (60°-80°)	708.3	5.2	B2/1000		G2/1000
BVH (80°-90°)	21.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**  
 Type II Medium



REPORT NUMBER: P848505  
 CATALOG NUMBER: GLAN-SB5A-835-U-T2-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2269.6	2269.6	2269.6	2269.6	2269.6	2269.6	2269.6	2269.6	2269.6	2269.6
2.5°	2398.8	2412.6	2404.8	2400.8	2393.9	2384.0	2376.2	2351.5	2325.8	2309.1
5°	2447.2	2461.0	2460.0	2463.9	2468.9	2471.8	2469.9	2442.2	2405.7	2377.1
7.5°	2405.7	2421.5	2434.3	2454.1	2488.6	2525.1	2542.8	2536.9	2499.4	2460.0
10°	2288.4	2305.1	2335.7	2382.1	2455.1	2534.0	2600.1	2630.6	2607.0	2563.6
12.5°	2073.3	2090.1	2150.3	2250.9	2373.2	2510.3	2636.6	2718.4	2724.3	2680.9
15°	1831.7	1848.4	1912.6	2038.8	2225.2	2445.2	2656.3	2811.1	2863.4	2825.9
17.5°	1681.8	1696.5	1744.9	1846.5	2040.8	2315.0	2649.4	2909.8	3029.1	2999.5
20°	1636.4	1649.2	1671.9	1742.9	1904.7	2179.9	2604.0	3002.5	3207.7	3190.9
22.5°	1684.7	1696.5	1703.5	1735.0	1836.6	2091.1	2546.8	3097.2	3414.8	3416.8
25°	1796.2	1808.0	1800.1	1819.8	1864.2	2063.5	2525.1	3208.6	3675.2	3696.9
27.5°	1979.6	1980.6	1961.9	1960.9	1967.8	2104.9	2547.8	3328.0	4003.7	4044.1
30°	2347.5	2332.8	2260.7	2182.8	2147.3	2229.2	2610.9	3469.0	4391.3	4463.3
32.5°	2914.7	2893.0	2760.8	2574.4	2387.0	2429.4	2724.3	3629.8	4813.5	4943.7
35°	3530.2	3524.3	3386.2	3109.0	2781.5	2714.5	2908.8	3840.9	5274.1	5481.2
37.5°	4102.3	4099.3	4020.4	3693.9	3295.4	3112.0	3204.7	4117.1	5767.3	6067.1
40°	4625.1	4633.9	4555.0	4263.1	3861.6	3621.9	3607.1	4458.4	6315.7	6705.3
42.5°	5076.8	5086.7	5006.8	4790.8	4420.9	4186.1	4101.3	4876.6	6851.3	7390.8
45°	5383.6	5444.7	5432.9	5260.3	4995.0	4751.3	4695.1	5401.3	7461.9	8117.8
47.5°	5470.4	5526.6	5615.4	5639.0	5477.3	5237.6	5304.7	6033.6	8079.3	8845.7
50°	5256.3	5308.6	5493.1	5738.7	5851.1	5777.1	5897.5	6711.2	8711.6	9571.7
52.5°	4834.2	4887.4	5120.2	5508.8	5967.5	6200.3	6492.3	7379.0	9324.1	10259.2
55°	4223.6	4279.8	4578.7	5018.6	5745.6	6374.9	6988.4	8045.8	9885.4	10877.6
57.5°	3393.1	3434.5	3745.2	4360.7	5187.3	6201.3	7354.3	8773.7	10414.0	11485.2
60°	2211.4	2247.9	2608.9	3295.4	4262.1	5621.3	7427.3	9585.5	11116.3	12275.3
62.5°	1470.7	1495.3	1709.4	2213.4	3001.5	4507.7	7000.2	10233.5	12146.1	13650.3
65°	1009.1	1033.7	1247.8	1598.9	1939.2	2981.8	5772.2	10147.7	13079.2	14742.2
67.5°	720.0	740.8	922.3	1253.7	1403.6	1732.1	3912.9	9050.9	12945.1	14783.6
70°	515.9	527.7	677.6	976.5	1115.6	1040.6	2175.9	6922.3	11334.3	13651.3
72.5°	361.0	365.0	470.5	743.7	898.6	759.5	1035.7	4615.2	8572.5	10714.9
75°	244.6	249.6	316.6	545.5	721.0	580.0	548.4	2474.8	5032.4	5931.0
77.5°	149.9	151.9	204.2	372.8	539.5	441.9	353.1	1048.5	1947.1	1911.6
80°	84.8	84.8	130.2	231.8	367.9	285.1	247.6	445.8	616.5	541.5
82.5°	47.3	48.3	94.7	144.0	243.6	168.7	136.1	206.2	266.3	235.7
85°	19.7	21.7	58.2	68.1	116.4	83.8	55.2	86.8	98.6	87.8
87.5°	2.0	3.0	17.8	12.8	13.8	16.8	7.9	16.8	13.8	13.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P848505  
 CATALOG NUMBER: GLAN-SB5A-835-U-T2-HSS

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2269.6	0°	2269.6	2269.6	2269.6	2269.6	2269.6	2269.6	2269.6	2269.6	2269.6	2269.6
2303.2	2.5°	2284.4	2269.6	2232.1	2188.7	2131.5	2103.9	2066.4	2040.8	2019.1	2021.1
2360.4	5°	2328.8	2291.3	2207.5	2102.9	1972.7	1880.0	1781.4	1713.3	1658.1	1646.2
2439.3	7.5°	2390.0	2330.8	2183.8	1995.4	1775.5	1608.8	1459.8	1364.1	1296.1	1274.4
2535.0	10°	2468.9	2383.1	2153.2	1860.3	1543.7	1331.6	1171.8	1096.8	1050.5	1034.7
2647.4	12.5°	2560.6	2443.2	2112.8	1695.6	1305.0	1100.8	999.2	961.7	946.9	942.0
2785.5	15°	2676.0	2518.2	2051.6	1500.3	1102.8	959.7	916.3	911.4	913.4	911.4
2951.2	17.5°	2813.1	2600.1	1952.0	1299.0	966.6	887.7	871.9	875.9	880.8	879.8
3136.6	20°	2963.0	2680.9	1824.8	1120.5	873.9	836.4	827.6	831.5	835.5	833.5
3350.7	22.5°	3133.7	2767.7	1683.7	981.4	811.8	789.1	779.2	780.2	780.2	776.3
3621.9	25°	3337.9	2863.4	1535.8	882.8	764.4	746.7	734.8	730.9	725.0	713.1
3951.4	27.5°	3581.5	2965.0	1393.7	813.8	727.0	710.2	696.4	686.5	671.7	652.0
4346.9	30°	3855.7	3088.3	1273.4	770.4	697.4	680.6	664.8	650.0	628.3	603.7
4801.6	32.5°	4178.2	3220.5	1185.6	741.7	670.7	653.0	634.2	616.5	592.8	568.1
5312.6	35°	4562.9	3380.3	1134.3	722.0	650.0	626.3	605.6	585.9	568.1	546.4
5867.9	37.5°	4980.2	3549.9	1118.5	712.2	636.2	599.7	576.0	562.2	560.3	547.4
6468.6	40°	5436.8	3751.1	1130.4	706.2	621.4	574.1	548.4	545.5	550.4	527.7
7110.7	42.5°	5920.2	3989.8	1150.1	699.3	600.7	548.4	523.8	523.8	519.8	488.3
7789.3	45°	6442.9	4265.0	1169.8	682.6	576.0	522.8	504.0	497.1	480.4	449.8
8471.9	47.5°	6969.7	4545.2	1184.6	652.0	546.4	501.1	484.3	468.5	443.9	416.2
9141.6	50°	7469.7	4796.7	1168.8	606.6	512.9	480.4	462.6	440.9	414.3	395.5
9775.9	52.5°	7916.6	5014.7	1101.8	553.4	477.4	458.7	442.9	420.2	398.5	378.8
10348.0	55°	8305.2	5191.2	983.4	503.0	445.8	439.9	424.1	395.5	365.9	349.2
10915.1	57.5°	8678.0	5325.4	835.5	461.6	417.2	419.2	395.5	369.9	342.3	324.5
11679.6	60°	9174.2	5504.9	685.5	423.2	386.7	392.6	366.9	348.2	313.7	291.0
12990.4	62.5°	9967.2	5784.0	544.5	375.8	351.1	353.1	342.3	319.6	278.2	251.5
13962.0	65°	10596.5	5681.5	429.1	324.5	310.7	313.7	313.7	289.0	244.6	214.0
14014.3	67.5°	10525.5	4864.8	342.3	274.2	272.2	274.2	281.1	260.4	217.0	192.3
12947.0	70°	9696.0	3869.5	274.2	227.9	236.7	231.8	251.5	237.7	195.3	170.6
10037.3	72.5°	7911.6	2787.5	209.1	188.4	181.5	189.4	226.9	214.0	162.8	135.1
5316.5	75°	4623.1	1487.4	155.8	148.9	131.2	157.8	201.2	182.5	124.3	99.6
1629.5	77.5°	1505.2	518.8	114.4	109.5	97.7	127.2	171.6	153.9	101.6	78.9
477.4	80°	403.4	156.8	77.9	72.0	63.1	94.7	136.1	122.3	73.0	51.3
205.2	82.5°	161.8	66.1	45.4	40.4	34.5	65.1	107.5	98.6	54.3	32.6
64.1	85°	52.3	21.7	16.8	12.8	15.8	40.4	64.1	67.1	38.5	16.8
9.9	87.5°	6.9	3.0	3.0	3.9	3.0	6.9	19.7	18.7	10.9	2.0
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°
2269.6
2001.3
1619.6
1252.7
1022.9
939.0
910.4
877.9
832.5
774.3
711.2
650.0
601.7
569.1
544.5
546.4
528.7
488.3
448.8
415.3
392.6
376.8
347.2
322.5
288.0
249.6
211.1
188.4
167.7
132.2
96.7
76.0
50.3
32.6
12.8
0.0
0.0

F REPORT)