

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: P848675

Luminaire Tested: **GLAN-SB5B-835-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848675
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-SB5B-835-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 3500K, 450mA 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: 17198 lumens
Efficiency: N/A
Efficacy: 94.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

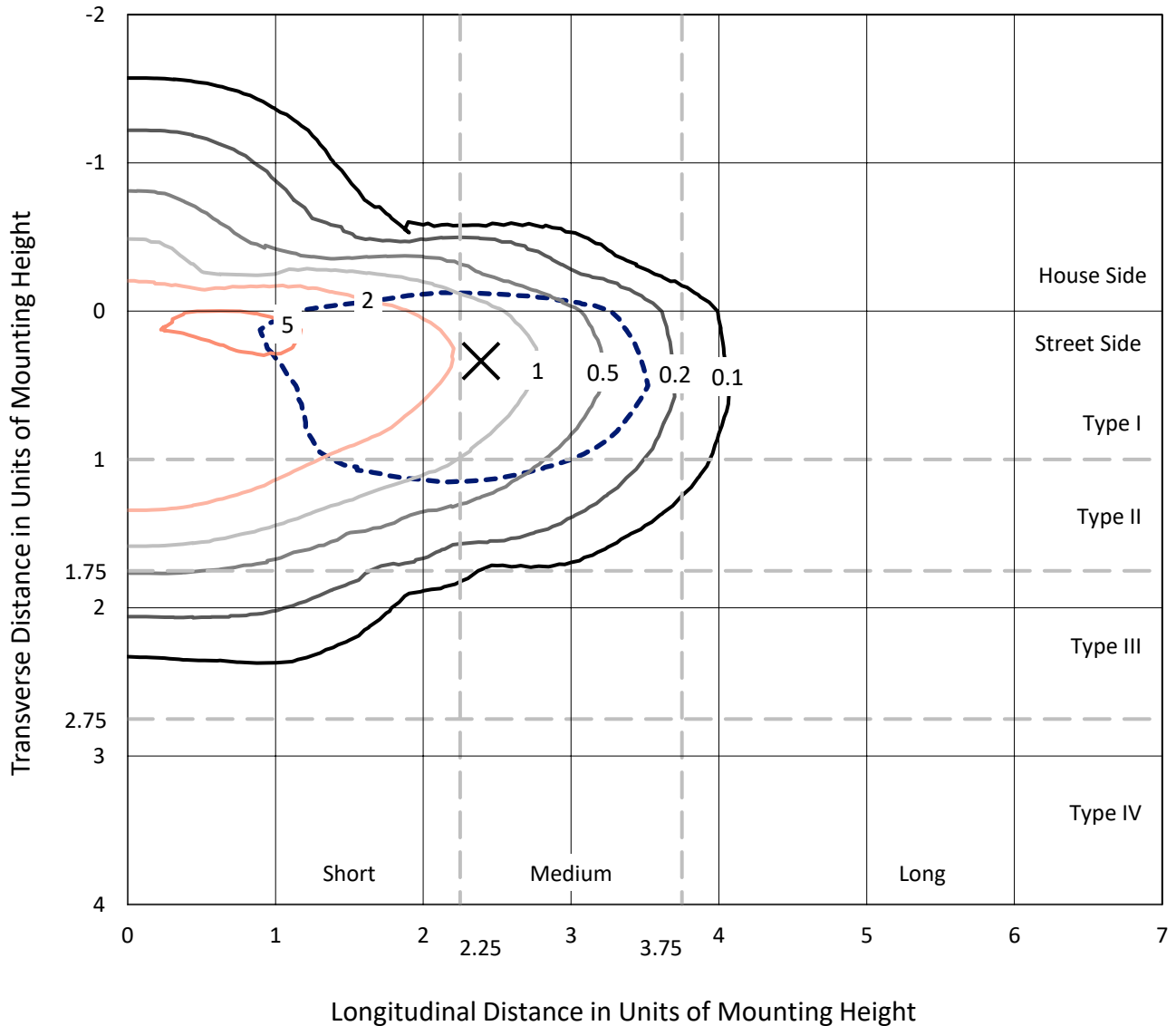
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P848675
 CATALOG NUMBER: GLAN-SB5B-835-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination

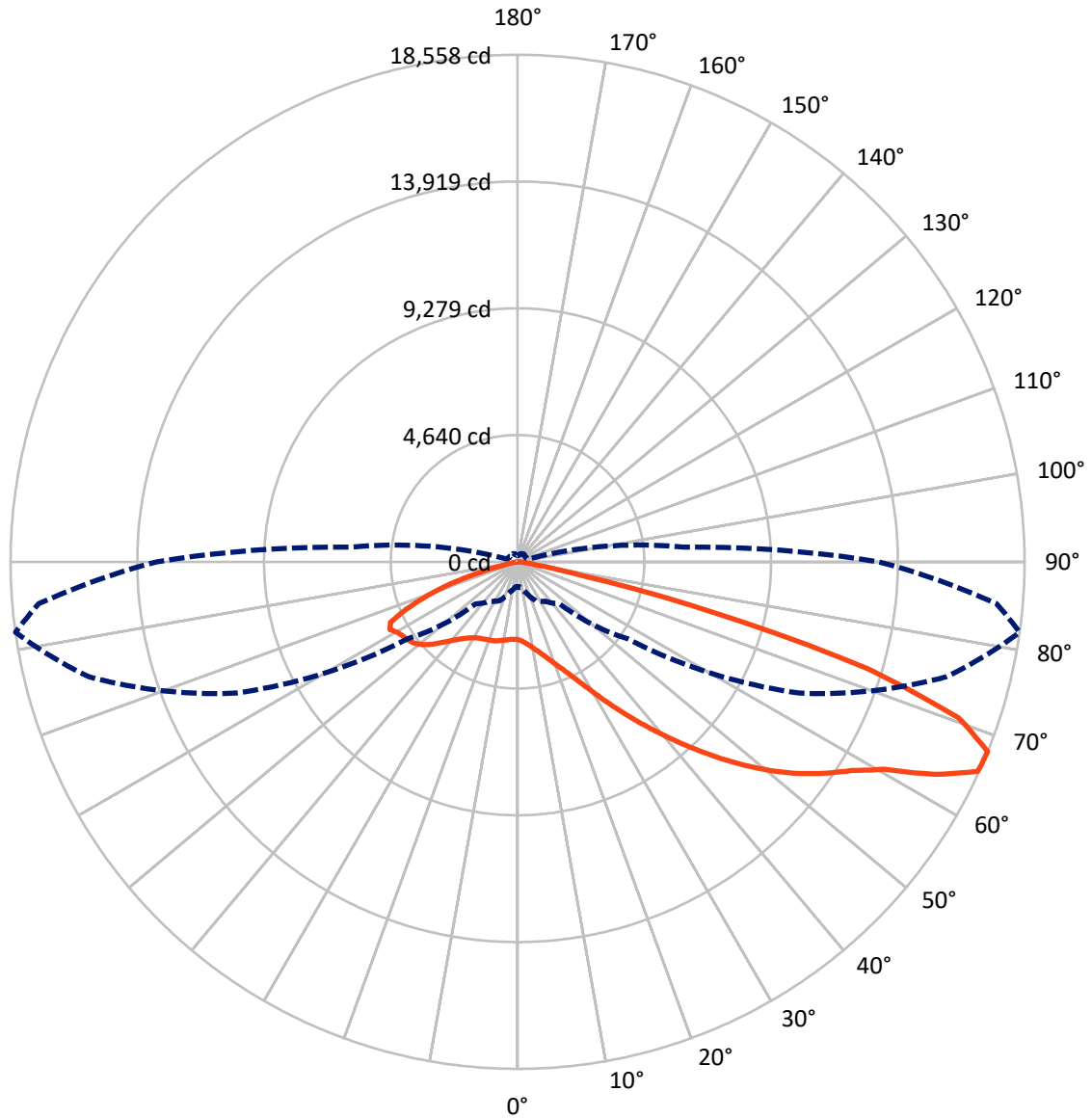
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc
 Type II - Medium - N/A

REPORT NUMBER: P848675
CATALOG NUMBER: GLAN-SB5B-835-U-T2-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P848675
 CATALOG NUMBER: GLAN-SB5B-835-U-T2-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3115.3	0.0	3115.3
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	14082.7	0.0	14082.7
	% Fixture	81.9	0.0	81.9
Total	Lumens	17198.0	0.0	17198.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.8	1.5
10°-20°	659.6	3.8
20°-30°	1056.5	6.1
30°-40°	1868.2	10.9
40°-50°	3273.3	19.0
50°-60°	4365.6	25.4
60°-70°	4064.2	23.6
70°-80°	1559.8	9.1
80°-90°	96.9	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°	17198.0	100.0
0°-180°	17198.0	100.0

Coefficient of Utilization

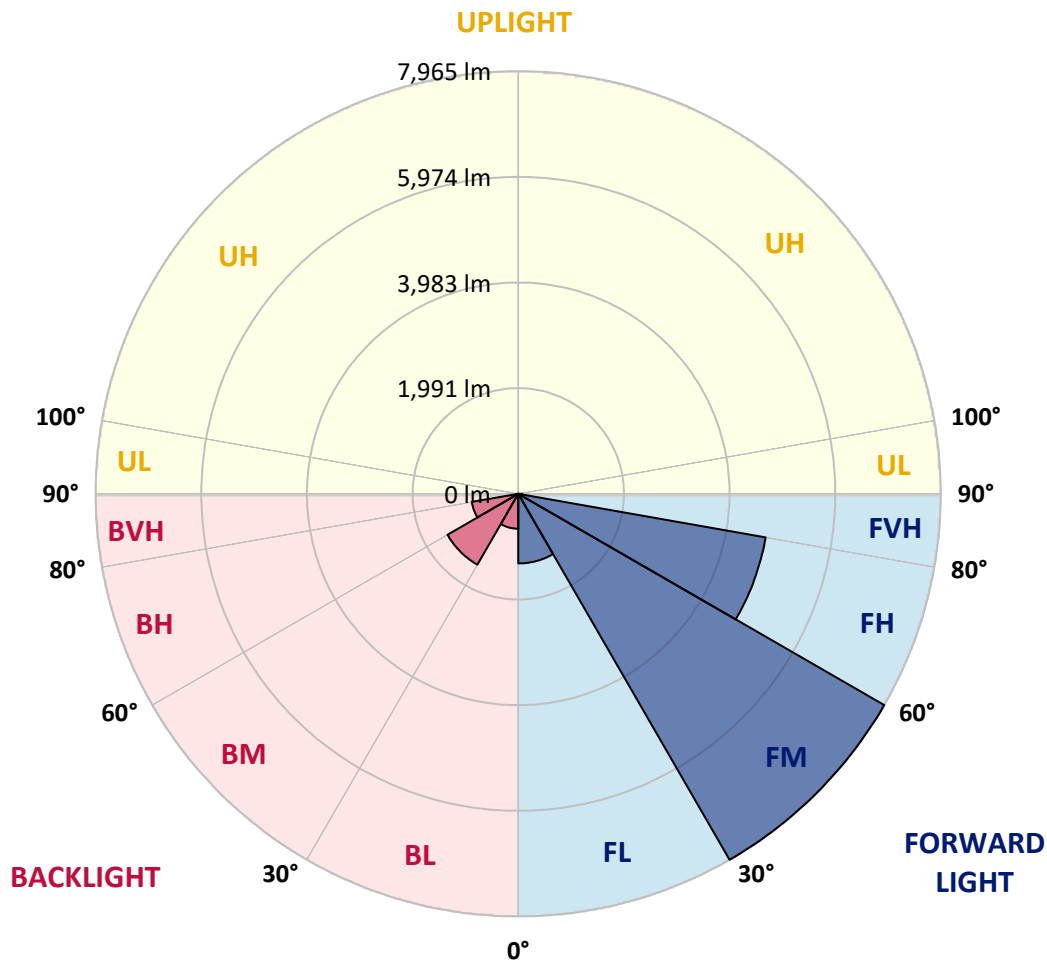


REPORT NUMBER: P848675
 CATALOG NUMBER: GLAN-SB5B-835-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1312.0	7.6			
FM (30°-60°)	7965.4	46.3			
FH (60°-80°)	4734.9	27.5			G2/5000
FVH (80°-90°)	70.4	0.4			G1/100
BL (0°-30°)	657.9	3.8	B2/1000		
BM (30°-60°)	1541.7	9.0	B2/2500		
BH (60°-80°)	889.2	5.2	B2/1000		G2/1000
BVH (80°-90°)	26.4	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: P848675
 CATALOG NUMBER: GLAN-SB5B-835-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2849.1	2849.1	2849.1	2849.1	2849.1	2849.1	2849.1	2849.1	2849.1	2849.1
2.5°	3011.3	3028.7	3018.8	3013.8	3005.1	2992.8	2982.9	2951.9	2919.7	2898.7
5°	3072.0	3089.3	3088.1	3093.1	3099.2	3103.0	3100.5	3065.8	3020.0	2984.1
7.5°	3020.0	3039.8	3055.9	3080.7	3124.0	3169.8	3192.1	3184.7	3137.6	3088.1
10°	2872.7	2893.7	2932.1	2990.3	3081.9	3181.0	3263.9	3302.3	3272.6	3218.1
12.5°	2602.7	2623.8	2699.3	2825.6	2979.1	3151.3	3309.7	3412.5	3419.9	3365.5
15°	2299.4	2320.4	2400.9	2559.4	2793.4	3069.5	3334.5	3528.9	3594.5	3547.5
17.5°	2111.2	2129.7	2190.4	2317.9	2561.9	2906.1	3325.8	3652.7	3802.6	3765.4
20°	2054.2	2070.3	2098.8	2187.9	2391.0	2736.4	3268.9	3769.1	4026.7	4005.6
22.5°	2114.9	2129.7	2138.4	2178.0	2305.6	2625.0	3197.1	3888.0	4286.7	4289.2
25°	2254.8	2269.6	2259.7	2284.5	2340.2	2590.3	3169.8	4027.9	4613.6	4640.8
27.5°	2485.1	2486.3	2462.8	2461.6	2470.2	2642.3	3198.3	4177.7	5025.9	5076.7
30°	2946.9	2928.4	2838.0	2740.2	2695.6	2798.4	3277.5	4354.8	5512.5	5602.9
32.5°	3658.9	3631.7	3465.8	3231.7	2996.5	3049.7	3419.9	4556.6	6042.5	6205.9
35°	4431.6	4424.1	4250.8	3902.8	3491.8	3407.6	3651.5	4821.6	6620.7	6880.7
37.5°	5149.7	5146.0	5047.0	4637.1	4136.9	3906.6	4023.0	5168.3	7239.8	7616.2
40°	5806.0	5817.1	5718.1	5351.6	4847.6	4546.7	4528.1	5596.7	7928.3	8417.4
42.5°	6373.1	6385.5	6285.2	6014.0	5549.7	5255.0	5148.5	6121.7	8600.6	9277.9
45°	6758.2	6834.9	6820.1	6603.4	6270.3	5964.5	5893.9	6780.5	9367.1	10190.5
47.5°	6867.1	6937.7	7049.1	7078.9	6875.8	6574.9	6659.1	7574.1	10142.2	11104.3
50°	6598.4	6664.1	6895.6	7203.9	7345.1	7252.2	7403.3	8424.8	10935.9	12015.6
52.5°	6068.5	6135.3	6427.6	6915.4	7491.2	7783.4	8149.9	9263.1	11704.8	12878.6
55°	5302.0	5372.6	5747.8	6300.0	7212.6	8002.6	8772.7	10100.1	12409.4	13655.0
57.5°	4259.5	4311.5	4701.5	5474.1	6511.8	7784.6	9232.1	11013.9	13073.0	14417.7
60°	2776.1	2821.9	3275.1	4136.9	5350.3	7056.6	9323.7	12032.9	13954.7	15409.6
62.5°	1846.2	1877.1	2145.8	2778.5	3767.9	5658.6	8787.6	12846.5	15247.3	17135.6
65°	1266.7	1297.6	1566.3	2007.1	2434.3	3743.1	7246.0	12738.7	16418.7	18506.3
67.5°	903.9	929.9	1157.7	1573.8	1762.0	2174.3	4912.0	11361.8	16250.3	18558.3
70°	647.6	662.4	850.7	1225.8	1400.4	1306.3	2731.5	8689.8	14228.3	17136.9
72.5°	453.2	458.1	590.6	933.6	1128.0	953.4	1300.1	5793.6	10761.3	13450.7
75°	307.1	313.3	397.5	684.7	905.1	728.1	688.4	3106.7	6317.4	7445.4
77.5°	188.2	190.7	256.3	468.0	677.3	554.7	443.3	1316.2	2444.2	2399.7
80°	106.5	106.5	163.4	291.0	461.9	357.8	310.8	559.7	773.9	679.8
82.5°	59.4	60.7	118.9	180.8	305.8	211.7	170.9	258.8	334.3	295.9
85°	24.8	27.2	73.1	85.4	146.1	105.2	69.3	109.0	123.8	110.2
87.5°	2.5	3.7	22.3	16.1	17.3	21.0	9.9	21.0	17.3	17.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P848675
 CATALOG NUMBER: GLAN-SB5B-835-U-T2-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2849.1	0°	2849.1	2849.1	2849.1	2849.1	2849.1	2849.1	2849.1	2849.1	2849.1	2849.1
2891.2	2.5°	2867.7	2849.1	2802.1	2747.6	2675.8	2641.1	2594.1	2561.9	2534.6	2537.1
2963.0	5°	2923.4	2876.4	2771.1	2639.9	2476.4	2360.0	2236.2	2150.8	2081.4	2066.6
3062.1	7.5°	3000.2	2925.9	2741.4	2504.9	2228.8	2019.5	1832.6	1712.4	1627.0	1599.8
3182.2	10°	3099.2	2991.5	2703.0	2335.3	1937.8	1671.6	1471.0	1376.9	1318.7	1298.9
3323.4	12.5°	3214.4	3067.1	2652.3	2128.5	1638.2	1381.8	1254.3	1207.3	1188.7	1182.5
3496.7	15°	3359.3	3161.2	2575.5	1883.3	1384.3	1204.8	1150.3	1144.1	1146.6	1144.1
3704.7	17.5°	3531.4	3263.9	2450.4	1630.7	1213.4	1114.4	1094.6	1099.5	1105.7	1104.5
3937.5	20°	3719.6	3365.5	2290.7	1406.6	1097.1	1050.0	1038.9	1043.8	1048.8	1046.3
4206.2	22.5°	3933.8	3474.4	2113.6	1232.0	1019.0	990.6	978.2	979.4	979.4	974.5
4546.7	25°	4190.1	3594.5	1927.9	1108.2	959.6	937.3	922.5	917.5	910.1	895.2
4960.3	27.5°	4495.9	3722.1	1749.6	1021.5	912.6	891.5	874.2	861.8	843.2	818.5
5456.8	30°	4840.2	3876.8	1598.5	967.0	875.4	854.4	834.6	816.0	788.7	757.8
6027.6	32.5°	5245.1	4042.8	1488.3	931.1	842.0	819.7	796.2	773.9	744.2	713.2
6669.0	35°	5728.0	4243.4	1423.9	906.4	816.0	786.3	760.3	735.5	713.2	686.0
7366.1	37.5°	6251.7	4456.3	1404.1	894.0	798.6	752.8	723.1	705.8	703.3	687.2
8120.2	40°	6825.0	4708.9	1419.0	886.6	780.1	720.6	688.4	684.7	690.9	662.4
8926.3	42.5°	7431.8	5008.6	1443.8	877.9	754.1	688.4	657.5	657.5	652.5	612.9
9778.2	45°	8088.0	5354.0	1468.5	856.8	723.1	656.3	632.7	624.1	603.0	564.6
10635.0	47.5°	8749.2	5705.7	1487.1	818.5	686.0	629.0	608.0	588.2	557.2	522.5
11475.8	50°	9377.0	6021.4	1467.3	761.5	643.9	603.0	580.7	553.5	520.0	496.5
12271.9	52.5°	9937.9	6295.1	1383.1	694.6	599.3	575.8	556.0	527.5	500.2	475.5
12990.1	55°	10425.7	6516.7	1234.5	631.5	559.7	552.2	532.4	496.5	459.4	438.3
13702.1	57.5°	10893.8	6685.1	1048.8	579.5	523.8	526.2	496.5	464.3	429.7	407.4
14661.7	60°	11516.6	6910.5	860.6	531.2	485.4	492.8	460.6	437.1	393.8	365.3
16307.3	62.5°	12512.1	7260.9	683.5	471.8	440.8	443.3	429.7	401.2	349.2	315.7
17526.9	65°	13302.1	7132.1	538.6	407.4	390.0	393.8	393.8	362.8	307.1	268.7
17592.5	67.5°	13213.0	6106.9	429.7	344.2	341.7	344.2	352.9	326.9	272.4	241.5
16252.8	70°	12171.6	4857.5	344.2	286.0	297.2	291.0	315.7	298.4	245.2	214.2
12600.0	72.5°	9931.7	3499.2	262.5	236.5	227.8	237.7	284.8	268.7	204.3	169.6
6674.0	75°	5803.5	1867.2	195.6	187.0	164.7	198.1	252.6	229.1	156.0	125.1
2045.5	77.5°	1889.5	651.3	143.6	137.4	122.6	159.7	215.4	193.2	127.5	99.1
599.3	80°	506.4	196.9	97.8	90.4	79.2	118.9	170.9	153.5	91.6	64.4
257.5	82.5°	203.1	83.0	57.0	50.8	43.3	81.7	135.0	123.8	68.1	40.9
80.5	85°	65.6	27.2	21.0	16.1	19.8	50.8	80.5	84.2	48.3	21.0
12.4	87.5°	8.7	3.7	3.7	5.0	3.7	8.7	24.8	23.5	13.6	2.5
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°
2849.1
2512.3
2033.1
1572.5
1284.0
1178.8
1142.9
1102.0
1045.1
972.0
892.8
816.0
755.3
714.4
683.5
686.0
663.7
612.9
563.4
521.3
492.8
473.0
435.9
404.9
361.6
313.3
265.0
236.5
210.5
165.9
121.3
95.3
63.1
40.9
16.1
0.0
0.0

F REPORT)