

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: P852135

Luminaire Tested: **GLAN-SB1C-835-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852135
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1C-835-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3500K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD
THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6131 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

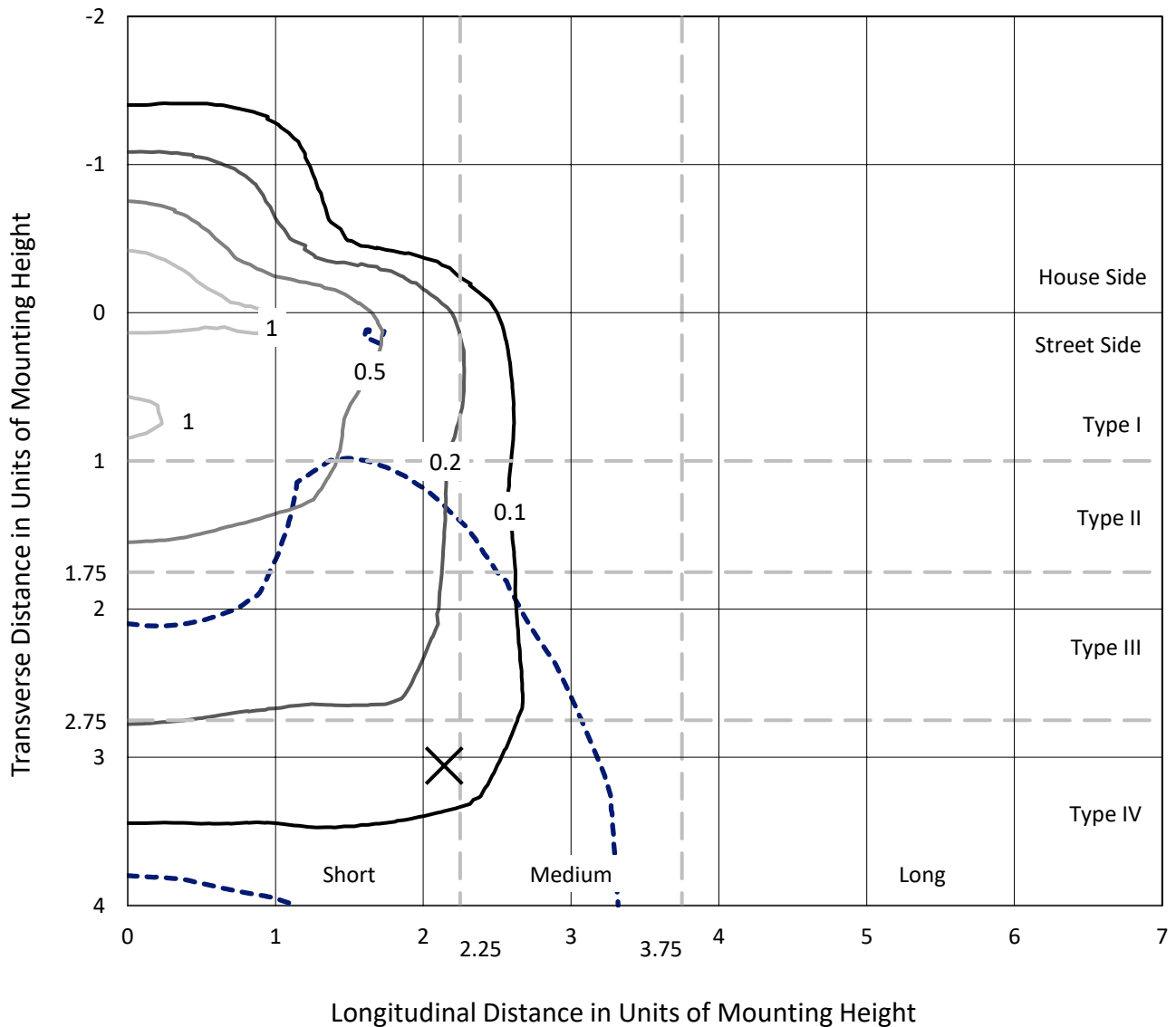
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P852135
 CATALOG NUMBER: GLAN-SB1C-835-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination

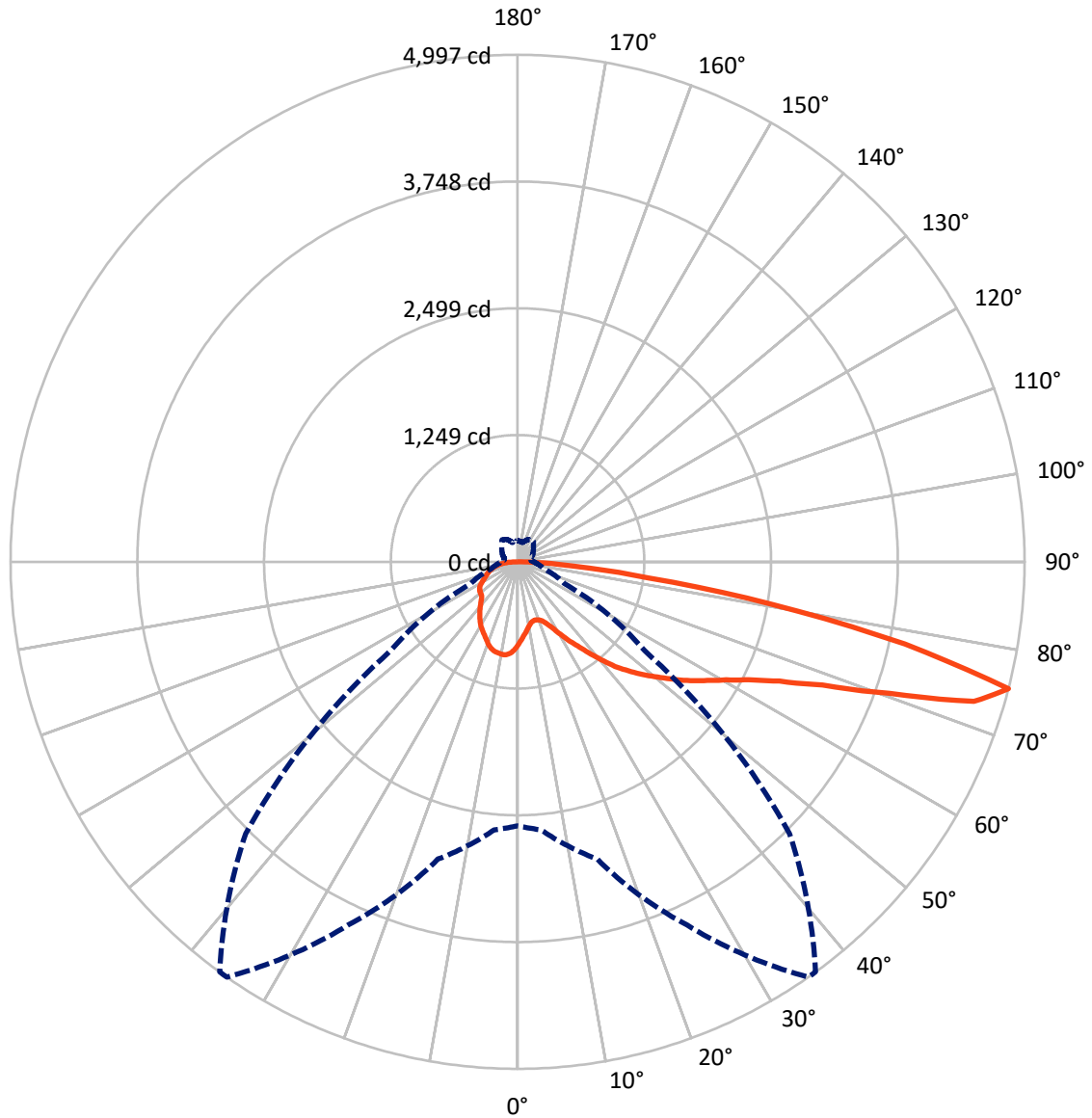
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type IV - Short - N/A

REPORT NUMBER: P852135
CATALOG NUMBER: GLAN-SB1C-835-U-T4FT

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P852135
 CATALOG NUMBER: GLAN-SB1C-835-U-T4FT

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1459.0	0.0	1459.0
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	4672.0	0.0	4672.0
	% Fixture	76.2	0.0	76.2
Total	Lumens	6131.0	0.0	6131.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.4	1.3
10°-20°	223.1	3.6
20°-30°	374.7	6.1
30°-40°	582.3	9.5
40°-50°	864.3	14.1
50°-60°	1193.2	19.5
60°-70°	1447.6	23.6
70°-80°	1196.4	19.5
80°-90°	172.1	2.8
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°	6131.0	100.0
0°-180°	6131.0	100.0

Coefficient of Utilization

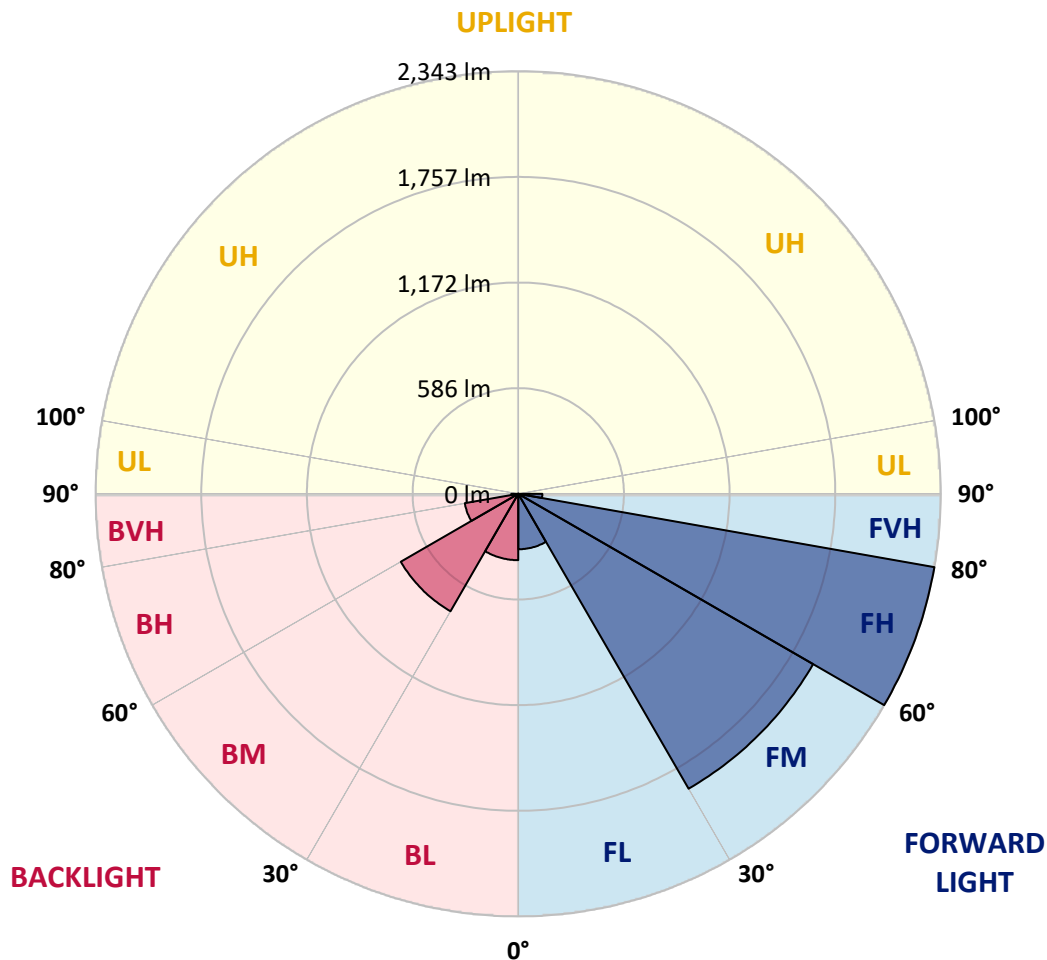


REPORT NUMBER: P852135
 CATALOG NUMBER: GLAN-SB1C-835-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	307.5	5.0			
FM (30°-60°)	1888.0	30.8			
FH (60°-80°)	2343.2	38.2			G2/5000
FVH (80°-90°)	133.3	2.2			G2/225
BL (0°-30°)	367.7	6.0	B1/500		
BM (30°-60°)	751.8	12.3	B1/1000		
BH (60°-80°)	300.8	4.9	B1/500		G1/500
BVH (80°-90°)	38.7	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type IV Short



REPORT NUMBER: P852135
 CATALOG NUMBER: GLAN-SB1C-835-U-T4FT

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	817.0	817.0	817.0	817.0	817.0	817.0	817.0	817.0	817.0	817.0
2.5°	753.4	758.0	760.0	759.0	764.0	763.3	770.3	778.9	790.8	802.4
5°	695.4	700.3	704.6	708.6	718.2	721.2	732.1	748.7	770.6	792.8
7.5°	641.3	645.6	652.3	659.6	675.8	678.8	697.0	722.9	753.4	785.8
10°	597.3	601.6	608.5	616.8	637.0	640.7	663.9	698.3	738.1	779.2
12.5°	578.4	579.7	583.7	592.0	609.5	611.8	637.4	676.8	723.2	774.2
15°	577.4	580.0	580.3	584.7	599.2	600.2	623.8	662.9	713.9	773.2
17.5°	587.3	589.3	586.3	589.0	601.2	602.9	621.4	656.2	710.9	777.6
20°	613.8	615.5	606.5	602.9	611.8	613.2	631.4	660.6	713.9	786.5
22.5°	670.2	671.2	649.3	634.4	635.0	635.7	651.6	678.1	725.5	802.7
25°	758.0	757.3	722.5	693.7	677.1	673.5	684.1	706.6	745.1	824.3
27.5°	860.7	855.8	821.0	777.9	741.8	736.5	734.1	743.7	772.9	852.8
30°	976.8	972.1	934.7	878.3	828.3	819.6	797.8	792.8	814.3	891.6
32.5°	1104.0	1101.0	1056.3	988.0	921.1	911.1	874.3	861.1	878.0	950.2
35°	1210.7	1208.1	1171.0	1100.7	1018.8	1006.6	969.1	954.2	962.8	1025.5
37.5°	1307.2	1305.9	1274.1	1218.7	1134.2	1119.3	1077.2	1072.2	1070.5	1124.6
40°	1396.7	1393.4	1360.2	1331.1	1268.4	1254.8	1217.7	1213.4	1200.8	1246.5
42.5°	1495.8	1487.2	1439.1	1425.5	1408.6	1397.3	1375.1	1375.8	1348.0	1384.1
45°	1576.7	1571.7	1522.3	1514.3	1532.6	1527.9	1547.2	1552.1	1498.1	1528.3
47.5°	1663.5	1658.9	1617.1	1611.5	1660.8	1662.2	1730.1	1731.8	1644.6	1678.1
50°	1770.5	1763.9	1722.5	1729.4	1784.8	1789.8	1914.1	1902.8	1779.5	1830.2
52.5°	1841.1	1845.1	1836.2	1847.4	1923.0	1927.6	2095.0	2066.2	1913.1	1980.3
55°	1893.2	1901.1	1929.0	1954.8	2068.8	2073.5	2265.7	2221.6	2023.8	2119.6
57.5°	1960.1	1948.9	2000.9	2051.3	2207.4	2219.6	2431.8	2371.4	2121.9	2239.5
60°	2056.2	2048.3	2088.7	2163.3	2362.5	2382.1	2607.4	2506.3	2193.8	2334.7
62.5°	2251.1	2231.2	2237.5	2303.5	2558.0	2583.9	2805.6	2624.0	2229.6	2371.8
65°	2542.5	2508.3	2476.5	2522.3	2833.5	2859.0	3029.4	2716.5	2216.3	2299.9
67.5°	2909.4	2875.6	2836.5	2879.5	3239.2	3259.4	3305.4	2768.5	2111.9	2022.8
70°	3212.0	3199.4	3246.1	3423.4	3887.1	3887.8	3659.4	2725.4	1825.9	1434.1
72.5°	3171.9	3164.2	3410.5	3958.7	4703.8	4686.2	3994.5	2399.3	1230.0	647.0
75°	2602.1	2651.5	3033.0	3949.1	4997.1	4994.8	3789.3	1525.3	508.8	268.1
77.5°	1395.4	1473.6	1969.1	2915.7	3901.0	3959.7	2664.1	533.6	218.4	171.7
80°	455.1	523.3	784.8	1484.5	2534.8	2523.9	1141.8	209.5	149.5	121.6
82.5°	193.2	201.2	350.7	701.0	1300.9	1280.7	363.6	120.3	105.1	83.2
85°	75.6	84.5	154.8	324.1	563.4	551.2	131.2	59.7	67.3	54.4
87.5°	24.9	30.2	55.4	111.0	175.3	169.0	32.1	20.5	29.2	24.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P852135
 CATALOG NUMBER: GLAN-SB1C-835-U-T4FT

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
817.0	0°	817.0	817.0	817.0	817.0	817.0	817.0	817.0	817.0	817.0	817.0
819.3	2.5°	824.0	829.3	835.6	844.8	852.8	859.4	866.4	870.7	872.3	877.3
820.6	5°	829.9	841.5	857.1	872.3	887.3	896.2	904.2	908.1	911.8	914.4
824.3	7.5°	839.9	854.8	879.3	899.2	911.8	919.1	924.4	923.1	924.4	925.0
828.3	10°	848.5	869.4	898.5	917.4	927.0	927.4	926.0	921.4	919.1	919.4
834.2	12.5°	858.8	882.0	913.4	929.4	932.0	924.7	919.1	911.1	908.1	906.8
843.2	15°	872.7	899.2	929.7	935.7	929.0	919.7	910.1	897.2	890.6	885.3
858.4	17.5°	889.6	918.7	942.3	938.0	923.7	908.5	892.9	873.3	859.8	854.1
879.3	20°	913.1	939.3	951.9	933.0	911.5	888.3	861.7	837.9	825.3	819.6
905.8	22.5°	941.6	966.8	961.2	924.4	893.9	856.8	823.6	806.1	799.8	795.8
940.0	25°	975.8	997.3	967.8	911.8	865.1	815.0	789.5	783.9	780.9	777.9
981.7	27.5°	1020.2	1031.8	972.8	893.2	820.0	770.6	761.3	762.3	761.3	756.3
1039.7	30°	1078.8	1076.5	977.4	863.1	768.3	730.5	731.2	735.5	736.1	732.8
1120.6	32.5°	1156.1	1132.5	979.7	824.0	718.9	695.4	696.0	700.7	704.0	698.3
1226.3	35°	1249.5	1197.8	976.1	774.9	680.8	661.9	656.9	658.2	659.2	653.9
1354.6	37.5°	1358.6	1271.1	959.8	720.5	649.3	629.1	618.5	609.5	604.2	599.2
1499.8	40°	1478.2	1350.9	930.0	667.5	614.2	594.3	578.4	561.5	543.6	536.9
1653.5	42.5°	1603.5	1433.1	893.9	616.8	573.7	557.5	540.6	516.1	489.2	475.6
1813.3	45°	1733.4	1517.3	858.4	566.8	532.3	525.3	505.8	476.3	447.1	429.9
1973.4	47.5°	1860.7	1596.9	806.4	516.4	493.5	501.1	485.9	458.7	426.2	399.1
2132.1	50°	1982.3	1671.4	721.2	465.3	462.0	493.8	479.3	440.2	403.0	368.2
2287.9	52.5°	2103.0	1731.8	612.2	418.9	445.1	491.9	470.6	427.6	382.1	345.7
2434.4	55°	2205.4	1762.9	507.1	379.2	420.6	475.0	460.4	412.6	352.7	313.9
2534.8	57.5°	2263.7	1737.7	419.6	340.1	386.8	447.1	442.8	380.8	317.5	287.7
2554.4	60°	2238.5	1635.7	348.0	305.9	354.6	417.0	412.3	349.3	290.7	262.5
2449.7	62.5°	2099.7	1441.1	291.3	276.1	325.5	386.1	381.8	325.1	270.1	242.9
2171.6	65°	1819.9	1172.3	247.3	251.2	296.0	349.0	355.3	304.9	253.9	227.4
1680.1	67.5°	1388.1	849.1	212.8	229.7	267.1	312.5	330.8	290.3	240.3	215.1
972.1	70°	791.1	482.2	183.6	208.8	241.6	278.7	311.9	278.7	225.7	204.8
364.3	72.5°	300.0	221.4	158.8	187.9	217.1	250.2	291.0	260.5	208.8	193.2
188.3	75°	160.1	134.9	133.6	163.4	188.9	222.4	264.8	242.6	196.2	204.2
130.3	77.5°	109.0	95.5	111.7	139.9	158.1	191.6	237.0	215.4	170.0	169.4
90.2	80°	75.6	67.6	90.8	112.7	122.3	161.1	206.8	184.9	138.5	129.3
55.7	82.5°	45.4	44.1	67.9	84.2	86.5	124.3	171.4	155.1	113.4	98.8
33.1	85°	24.9	26.2	43.4	49.4	50.4	86.8	134.2	120.0	87.2	73.2
11.9	87.5°	7.0	8.9	15.9	19.6	24.2	45.1	79.9	71.3	43.7	30.5
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°
817.0
877.0
915.1
926.0
920.1
906.2
886.9
854.4
819.0
796.4
777.9
757.3
734.5
701.0
657.6
602.6
539.9
477.3
428.6
396.1
365.2
341.7
310.6
283.7
258.5
238.6
223.1
211.1
202.2
190.6
210.8
156.1
123.6
99.4
73.9
30.5
0.0

F REPORT)