

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: P849035

Luminaire Tested: **GLAN-SB5D-850-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849035
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-SB5D-850-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 5000K, 900mA 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: 32230 lumens
Efficiency: N/A
Efficacy: 88.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

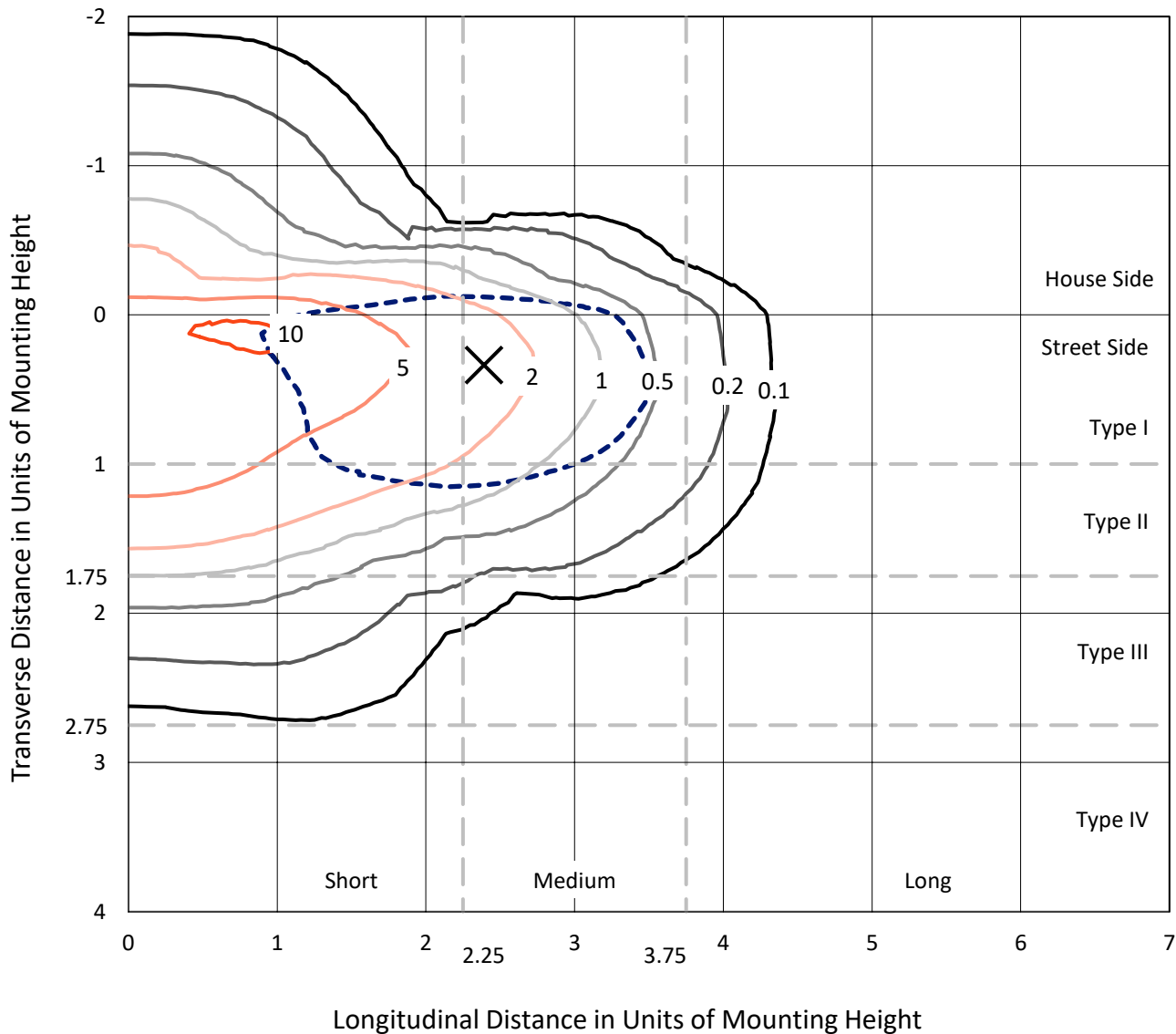
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P849035
 CATALOG NUMBER: GLAN-SB5D-850-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination

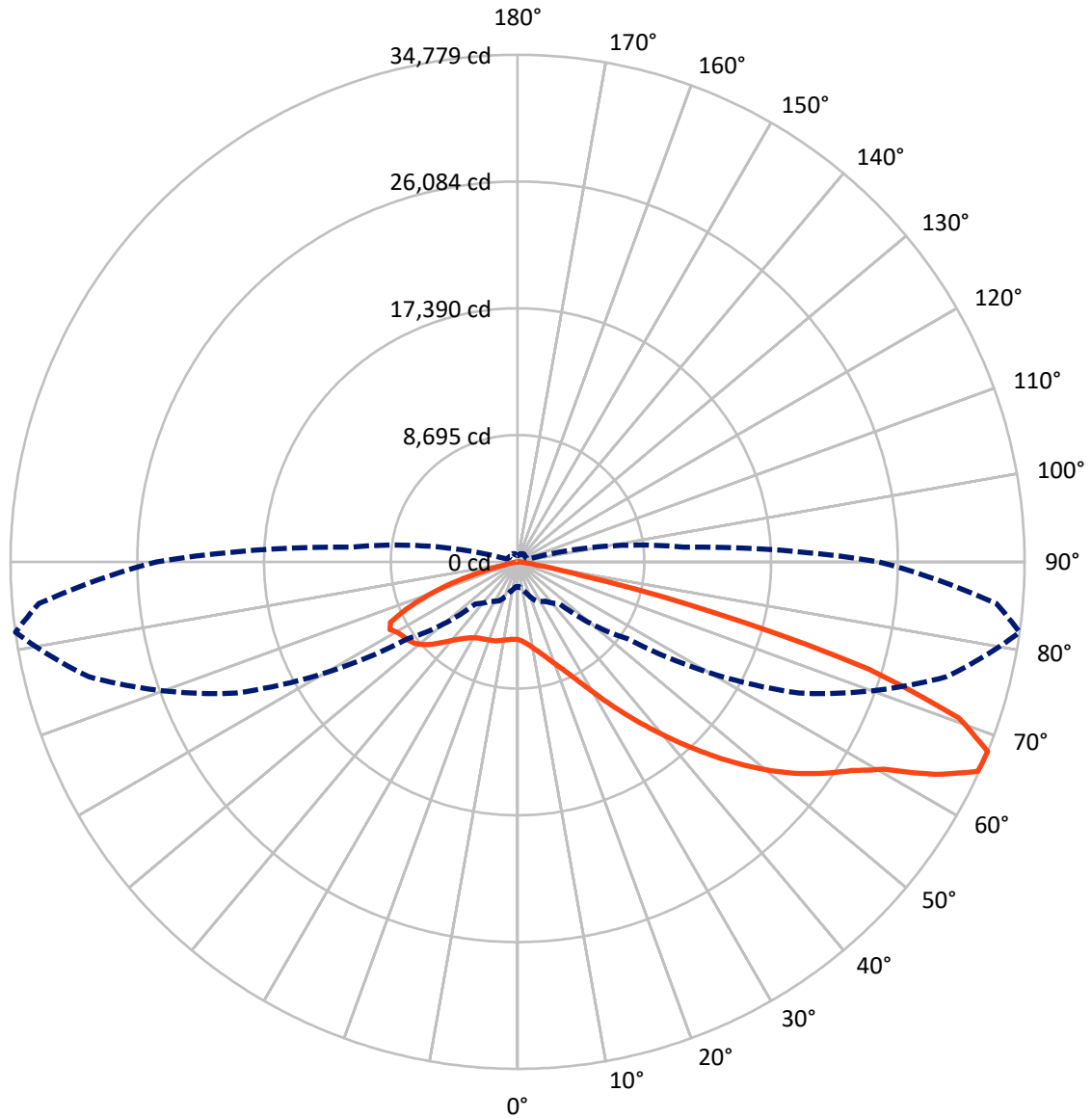
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.3 fc
 Type II - Medium - N/A

REPORT NUMBER: P849035
CATALOG NUMBER: GLAN-SB5D-850-U-T2-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P849035
 CATALOG NUMBER: GLAN-SB5D-850-U-T2-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5838.2	0.0	5838.2
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	26391.8	0.0	26391.8
	% Fixture	81.9	0.0	81.9
Total	Lumens	32230.0	0.0	32230.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	475.7	1.5
10°-20°	1236.2	3.8
20°-30°	1979.9	6.1
30°-40°	3501.1	10.9
40°-50°	6134.3	19.0
50°-60°	8181.5	25.4
60°-70°	7616.5	23.6
70°-80°	2923.2	9.1
80°-90°	181.6	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°	32230.0	100.0
0°-180°	32230.0	100.0

Coefficient of Utilization

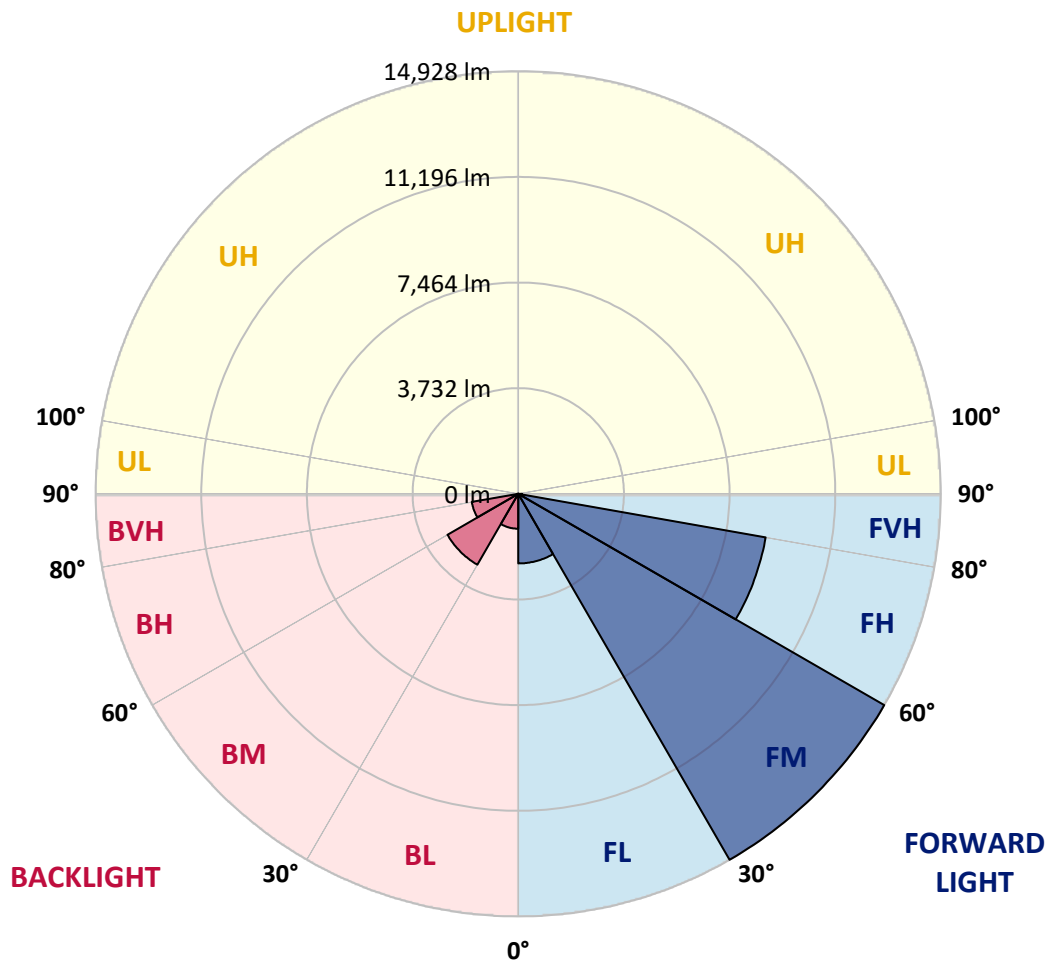


REPORT NUMBER: P849035
 CATALOG NUMBER: GLAN-SB5D-850-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2458.8	7.6			
FM (30°-60°)	14927.6	46.3			
FH (60°-80°)	8873.4	27.5			G4/12000
FVH (80°-90°)	132.0	0.4			G2/225
BL (0°-30°)	1233.0	3.8	B3/2500		
BM (30°-60°)	2889.3	9.0	B3/5000		
BH (60°-80°)	1666.3	5.2	B3/2500		G3/2500
BVH (80°-90°)	49.6	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type II Medium



REPORT NUMBER: P849035
 CATALOG NUMBER: GLAN-SB5D-850-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	5339.4	5339.4	5339.4	5339.4	5339.4	5339.4	5339.4	5339.4	5339.4	5339.4
2.5°	5643.4	5675.9	5657.3	5648.0	5631.8	5608.6	5590.0	5532.0	5471.7	5432.2
5°	5757.1	5789.6	5787.3	5796.6	5808.2	5815.1	5810.5	5745.5	5659.6	5592.4
7.5°	5659.6	5696.8	5726.9	5773.3	5854.6	5940.4	5982.2	5968.3	5880.1	5787.3
10°	5383.5	5423.0	5494.9	5604.0	5775.7	5961.3	6116.8	6188.7	6133.0	6030.9
12.5°	4877.6	4917.1	5058.6	5295.3	5583.1	5905.6	6202.6	6395.2	6409.2	6307.1
15°	4309.1	4348.6	4499.4	4796.4	5235.0	5752.5	6249.0	6613.4	6736.3	6648.2
17.5°	3956.4	3991.2	4104.9	4343.9	4801.1	5446.2	6232.8	6845.4	7126.2	7056.6
20°	3849.7	3879.8	3933.2	4100.3	4480.8	5128.3	6126.1	7063.5	7546.2	7506.7
22.5°	3963.4	3991.2	4007.5	4081.7	4320.7	4919.4	5991.5	7286.3	8033.5	8038.1
25°	4225.6	4253.4	4234.9	4281.3	4385.7	4854.4	5940.4	7548.5	8646.1	8697.2
27.5°	4657.2	4659.5	4615.4	4613.1	4629.4	4951.9	5993.8	7829.3	9418.8	9514.0
30°	5522.7	5487.9	5318.5	5135.2	5051.7	5244.3	6142.3	8161.1	10330.8	10500.2
32.5°	6857.0	6806.0	6495.0	6056.4	5615.6	5715.3	6409.2	8539.4	11323.9	11630.2
35°	8305.0	8291.1	7966.2	7314.1	6543.7	6386.0	6843.1	9035.9	12407.6	12894.9
37.5°	9650.9	9643.9	9458.3	8690.2	7752.7	7321.1	7539.2	9685.7	13567.8	14273.3
40°	10880.7	10901.6	10716.0	10029.1	9084.7	8520.8	8486.0	10488.6	14858.0	15774.6
42.5°	11943.5	11966.7	11778.7	11270.6	10400.4	9848.1	9648.5	11472.4	16118.0	17387.3
45°	12665.2	12809.0	12781.2	12375.1	11750.9	11177.7	11045.5	12706.9	17554.4	19097.5
47.5°	12869.4	13001.6	13210.5	13266.2	12885.6	12321.7	12479.5	14194.4	19007.0	20810.0
50°	12365.8	12488.8	12922.7	13500.5	13765.1	13591.0	13874.1	15788.5	20494.5	22517.9
52.5°	11372.7	11498.0	12045.6	12959.9	14038.9	14586.5	15273.4	17359.5	21935.5	24135.3
55°	9936.3	10068.6	10771.7	11806.6	13516.8	14997.3	16440.6	18928.1	23255.8	25590.2
57.5°	7982.4	8079.9	8810.9	10258.8	12203.4	14588.8	17301.5	20640.7	24499.6	27019.6
60°	5202.5	5288.4	6137.7	7752.7	10026.8	13224.4	17473.2	22550.4	26151.8	28878.4
62.5°	3459.8	3517.8	4021.4	5207.2	7061.2	10604.6	16468.4	24075.0	28574.4	32113.1
65°	2373.8	2431.9	2935.4	3761.5	4562.1	7014.8	13579.4	23873.1	30769.5	34681.9
67.5°	1693.9	1742.7	2169.6	2949.3	3302.0	4074.8	9205.3	21292.7	30454.0	34779.3
70°	1213.6	1241.5	1594.2	2297.3	2624.5	2448.1	5119.0	16285.1	26664.6	32115.4
72.5°	849.3	858.6	1106.9	1749.6	2114.0	1786.8	2436.5	10857.5	20167.3	25207.4
75°	575.5	587.1	744.9	1283.2	1696.3	1364.4	1290.2	5822.1	11839.1	13953.0
77.5°	352.7	357.4	480.3	877.1	1269.3	1039.6	830.7	2466.7	4580.6	4497.1
80°	199.6	199.6	306.3	545.3	865.5	670.6	582.4	1048.9	1450.3	1273.9
82.5°	111.4	113.7	222.8	338.8	573.2	396.8	320.2	485.0	626.5	554.6
85°	46.4	51.1	136.9	160.1	273.8	197.2	129.9	204.2	232.0	206.5
87.5°	4.6	7.0	41.8	30.2	32.5	39.4	18.6	39.4	32.5	32.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P849035
 CATALOG NUMBER: GLAN-SB5D-850-U-T2-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
5339.4	0°	5339.4	5339.4	5339.4	5339.4	5339.4	5339.4	5339.4	5339.4	5339.4	5339.4
5418.3	2.5°	5374.2	5339.4	5251.2	5149.1	5014.6	4949.6	4861.4	4801.1	4750.0	4754.7
5552.9	5°	5478.6	5390.5	5193.2	4947.3	4641.0	4422.8	4190.8	4030.7	3900.7	3872.9
5738.5	7.5°	5622.5	5483.3	5137.5	4694.3	4176.9	3784.7	3434.3	3209.2	3049.1	2998.1
5963.6	10°	5808.2	5606.3	5065.6	4376.4	3631.5	3132.6	2756.7	2580.4	2471.3	2434.2
6228.2	12.5°	6024.0	5747.8	4970.5	3988.9	3070.0	2589.7	2350.6	2262.5	2227.7	2216.1
6553.0	15°	6295.5	5924.2	4826.6	3529.4	2594.3	2257.8	2155.7	2144.1	2148.8	2144.1
6942.9	17.5°	6618.0	6116.8	4592.2	3056.1	2274.1	2088.4	2051.3	2060.6	2072.2	2069.9
7379.1	20°	6970.7	6307.1	4292.9	2636.1	2055.9	1967.8	1946.9	1956.2	1965.4	1960.8
7882.7	22.5°	7372.2	6511.3	3961.1	2308.9	1909.8	1856.4	1833.2	1835.5	1835.5	1826.2
8520.8	25°	7852.5	6736.3	3613.0	2076.8	1798.4	1756.6	1728.8	1719.5	1705.6	1677.7
9295.8	27.5°	8425.7	6975.4	3278.8	1914.4	1710.2	1670.7	1638.3	1615.1	1580.2	1533.8
10226.3	30°	9070.7	7265.4	2995.7	1812.3	1640.6	1601.1	1564.0	1529.2	1478.1	1420.1
11296.1	32.5°	9829.5	7576.4	2789.2	1745.0	1577.9	1536.2	1492.1	1450.3	1394.6	1336.6
12498.1	35°	10734.5	7952.3	2668.5	1698.6	1529.2	1473.5	1424.8	1378.4	1336.6	1285.5
13804.5	37.5°	11716.1	8351.4	2631.4	1675.4	1496.7	1410.9	1355.2	1322.7	1318.0	1287.9
15217.7	40°	12790.5	8824.8	2659.3	1661.5	1461.9	1350.5	1290.2	1283.2	1294.8	1241.5
16728.3	42.5°	13927.5	9386.3	2705.7	1645.2	1413.2	1290.2	1232.2	1232.2	1222.9	1148.6
18324.8	45°	15157.4	10033.7	2752.1	1605.8	1355.2	1229.9	1185.8	1169.5	1130.1	1058.1
19930.6	47.5°	16396.5	10692.8	2786.9	1533.8	1285.5	1178.8	1139.4	1102.2	1044.2	979.2
21506.2	50°	17573.0	11284.5	2749.8	1427.1	1206.6	1130.1	1088.3	1037.3	974.6	930.5
22998.3	52.5°	18624.2	11797.3	2592.0	1301.8	1123.1	1079.0	1041.9	988.5	937.5	891.1
24344.1	55°	19538.4	12212.7	2313.5	1183.4	1048.9	1034.9	997.8	930.5	860.9	821.4
25678.4	57.5°	20415.6	12528.3	1965.4	1086.0	981.6	986.2	930.5	870.2	805.2	763.4
27476.8	60°	21582.8	12950.6	1612.7	995.5	909.6	923.6	863.2	819.1	737.9	684.5
30560.7	62.5°	23448.4	13607.3	1280.9	884.1	826.1	830.7	805.2	751.8	654.4	591.7
32846.4	65°	24928.9	13366.0	1009.4	763.4	731.0	737.9	737.9	679.9	575.5	503.5
32969.4	67.5°	24761.8	11444.6	805.2	645.1	640.5	645.1	661.3	612.6	510.5	452.5
30458.6	70°	22810.3	9103.2	645.1	536.0	556.9	545.3	591.7	559.2	459.5	401.4
23613.2	72.5°	18612.6	6557.7	491.9	443.2	427.0	445.5	533.7	503.5	382.9	317.9
12507.4	75°	10876.1	3499.3	366.6	350.4	308.6	371.3	473.4	429.3	292.4	234.4
3833.4	77.5°	3541.0	1220.6	269.2	257.6	229.7	299.3	403.8	362.0	239.0	185.6
1123.1	80°	949.1	369.0	183.3	169.4	148.5	222.8	320.2	287.7	171.7	120.7
482.7	82.5°	380.6	155.5	106.7	95.1	81.2	153.2	252.9	232.0	127.6	76.6
150.8	85°	123.0	51.1	39.4	30.2	37.1	95.1	150.8	157.8	90.5	39.4
23.2	87.5°	16.2	7.0	7.0	9.3	7.0	16.2	46.4	44.1	25.5	4.6
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°
5339.4
4708.3
3810.2
2947.0
2406.3
2209.1
2141.8
2065.2
1958.5
1821.6
1673.1
1529.2
1415.5
1338.9
1280.9
1285.5
1243.8
1148.6
1055.8
976.9
923.6
886.4
816.8
758.8
677.6
587.1
496.6
443.2
394.5
310.9
227.4
178.7
118.3
76.6
30.2
0.0
0.0

F REPORT)