

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: P845945

Luminaire Tested: **GLAN-SB1B-830-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845945
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-SB1B-830-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS WITH
HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3532 lumens
Efficiency: N/A
Efficacy: 88.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

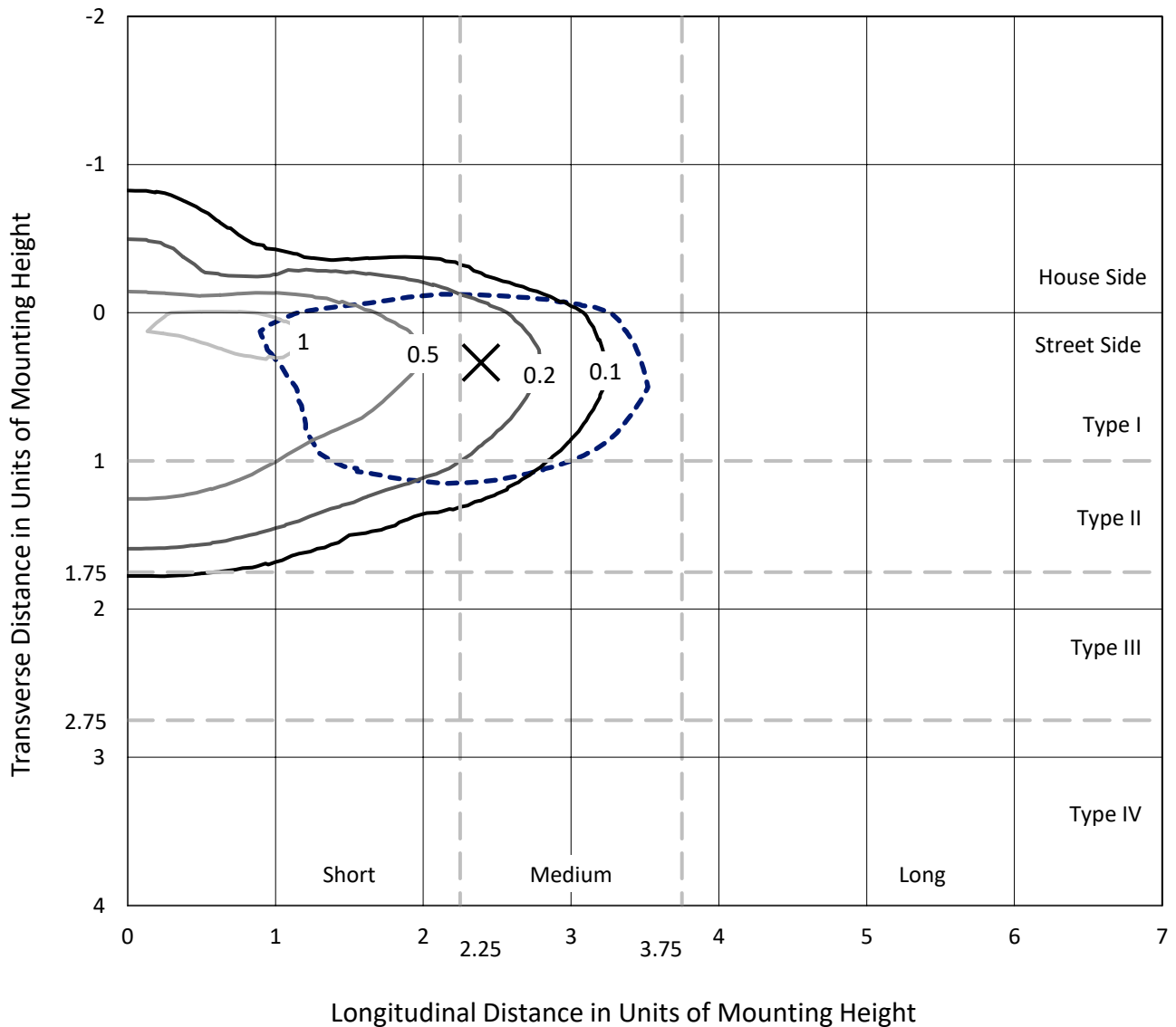
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P845945
 CATALOG NUMBER: GLAN-SB1B-830-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination

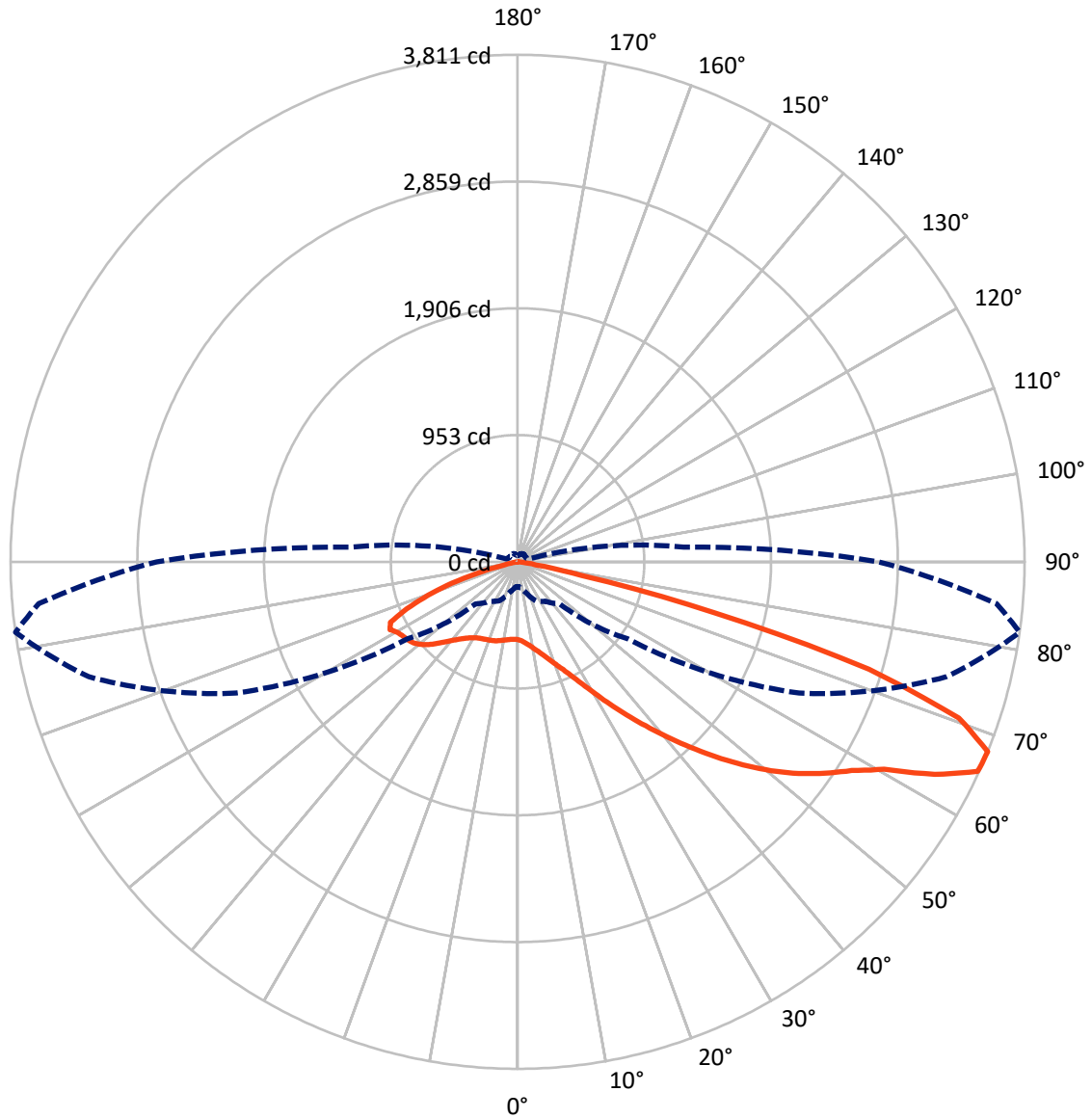
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type II - Medium - N/A

REPORT NUMBER: P845945
CATALOG NUMBER: GLAN-SB1B-830-U-T2-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P845945
 CATALOG NUMBER: GLAN-SB1B-830-U-T2-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	639.8	0.0	639.8
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	2892.2	0.0	2892.2
	% Fixture	81.9	0.0	81.9
Total	Lumens	3532.0	0.0	3532.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.1	1.5
10°-20°	135.5	3.8
20°-30°	217.0	6.1
30°-40°	383.7	10.9
40°-50°	672.2	19.0
50°-60°	896.6	25.4
60°-70°	834.7	23.6
70°-80°	320.3	9.1
80°-90°	19.9	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°	3532.0	100.0
0°-180°	3532.0	100.0

Coefficient of Utilization

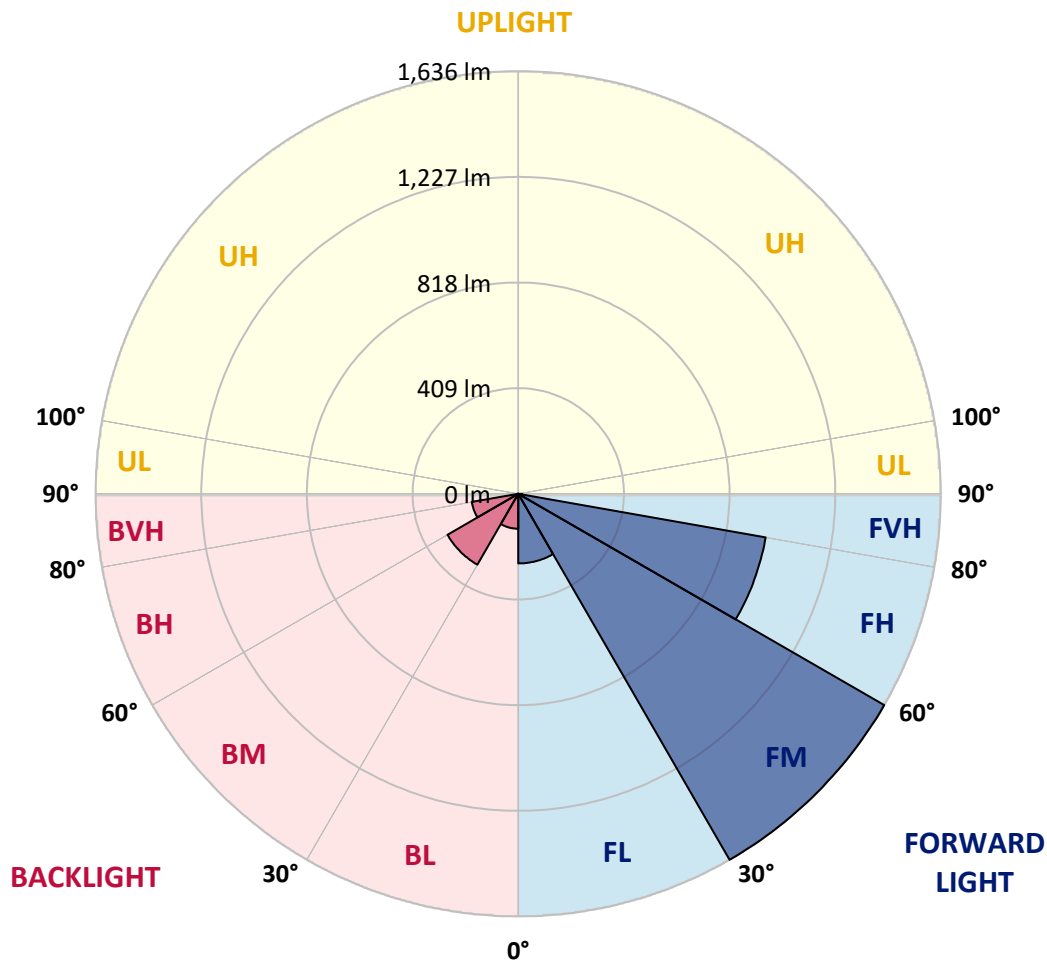


REPORT NUMBER: P845945
 CATALOG NUMBER: GLAN-SB1B-830-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	269.5	7.6			
FM (30°-60°)	1635.9	46.3			
FH (60°-80°)	972.4	27.5			G1/1800
FVH (80°-90°)	14.5	0.4			G1/100
BL (0°-30°)	135.1	3.8	B1/500		
BM (30°-60°)	316.6	9.0	B1/1000		
BH (60°-80°)	182.6	5.2	B1/500		G1/500
BVH (80°-90°)	5.4	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type II Medium



REPORT NUMBER: P845945
 CATALOG NUMBER: GLAN-SB1B-830-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	585.1	585.1	585.1	585.1	585.1	585.1	585.1	585.1	585.1	585.1
2.5°	618.4	622.0	620.0	619.0	617.2	614.6	612.6	606.2	599.6	595.3
5°	630.9	634.5	634.2	635.2	636.5	637.3	636.8	629.6	620.2	612.9
7.5°	620.2	624.3	627.6	632.7	641.6	651.0	655.6	654.0	644.4	634.2
10°	590.0	594.3	602.2	614.1	632.9	653.3	670.3	678.2	672.1	660.9
12.5°	534.5	538.9	554.4	580.3	611.8	647.2	679.7	700.8	702.4	691.2
15°	472.2	476.5	493.1	525.6	573.7	630.4	684.8	724.7	738.2	728.6
17.5°	433.6	437.4	449.8	476.0	526.1	596.8	683.0	750.2	780.9	773.3
20°	421.9	425.2	431.0	449.3	491.0	562.0	671.3	774.1	827.0	822.6
22.5°	434.3	437.4	439.2	447.3	473.5	539.1	656.6	798.5	880.4	880.9
25°	463.1	466.1	464.1	469.2	480.6	532.0	651.0	827.2	947.5	953.1
27.5°	510.4	510.6	505.8	505.5	507.3	542.7	656.8	858.0	1032.2	1042.6
30°	605.2	601.4	582.8	562.8	553.6	574.7	673.1	894.4	1132.1	1150.7
32.5°	751.4	745.8	711.8	663.7	615.4	626.3	702.4	935.8	1241.0	1274.5
35°	910.1	908.6	873.0	801.5	717.1	699.8	749.9	990.2	1359.7	1413.1
37.5°	1057.6	1056.9	1036.5	952.3	849.6	802.3	826.2	1061.4	1486.9	1564.2
40°	1192.4	1194.7	1174.3	1099.1	995.6	933.8	930.0	1149.4	1628.3	1728.7
42.5°	1308.9	1311.4	1290.8	1235.1	1139.8	1079.2	1057.4	1257.2	1766.3	1905.4
45°	1387.9	1403.7	1400.7	1356.2	1287.8	1224.9	1210.4	1392.5	1923.7	2092.8
47.5°	1410.3	1424.8	1447.7	1453.8	1412.1	1350.3	1367.6	1555.5	2082.9	2280.5
50°	1355.1	1368.6	1416.2	1479.5	1508.5	1489.4	1520.4	1730.2	2245.9	2467.7
52.5°	1246.3	1260.0	1320.0	1420.2	1538.5	1598.5	1673.8	1902.4	2403.9	2644.9
55°	1088.9	1103.4	1180.4	1293.9	1481.3	1643.5	1801.7	2074.3	2548.5	2804.4
57.5°	874.8	885.5	965.6	1124.2	1337.3	1598.8	1896.0	2262.0	2684.8	2961.0
60°	570.1	579.5	672.6	849.6	1098.8	1449.2	1914.8	2471.2	2865.9	3164.7
62.5°	379.2	385.5	440.7	570.6	773.8	1162.1	1804.7	2638.3	3131.4	3519.2
65°	260.1	266.5	321.7	412.2	499.9	768.7	1488.1	2616.2	3372.0	3800.7
67.5°	185.6	191.0	237.8	323.2	361.9	446.5	1008.8	2333.4	3337.4	3811.4
70°	133.0	136.0	174.7	251.8	287.6	268.3	561.0	1784.6	2922.1	3519.4
72.5°	93.1	94.1	121.3	191.7	231.7	195.8	267.0	1189.8	2210.1	2762.4
75°	63.1	64.3	81.6	140.6	185.9	149.5	141.4	638.0	1297.4	1529.1
77.5°	38.7	39.2	52.6	96.1	139.1	113.9	91.0	270.3	502.0	492.8
80°	21.9	21.9	33.6	59.8	94.9	73.5	63.8	114.9	158.9	139.6
82.5°	12.2	12.5	24.4	37.1	62.8	43.5	35.1	53.1	68.7	60.8
85°	5.1	5.6	15.0	17.5	30.0	21.6	14.2	22.4	25.4	22.6
87.5°	0.5	0.8	4.6	3.3	3.6	4.3	2.0	4.3	3.6	3.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P845945
 CATALOG NUMBER: GLAN-SB1B-830-U-T2-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
585.1	0°	585.1	585.1	585.1	585.1	585.1	585.1	585.1	585.1	585.1	585.1
593.8	2.5°	588.9	585.1	575.5	564.3	549.5	542.4	532.7	526.1	520.5	521.1
608.5	5°	600.4	590.7	569.1	542.2	508.6	484.7	459.3	441.7	427.5	424.4
628.9	7.5°	616.2	600.9	563.0	514.4	457.7	414.8	376.4	351.7	334.1	328.5
653.5	10°	636.5	614.4	555.1	479.6	398.0	343.3	302.1	282.8	270.8	266.8
682.5	12.5°	660.1	629.9	544.7	437.1	336.4	283.8	257.6	247.9	244.1	242.9
718.1	15°	689.9	649.2	528.9	386.8	284.3	247.4	236.2	235.0	235.5	235.0
760.9	17.5°	725.2	670.3	503.2	334.9	249.2	228.9	224.8	225.8	227.1	226.8
808.7	20°	763.9	691.2	470.4	288.9	225.3	215.6	213.4	214.4	215.4	214.9
863.8	22.5°	807.9	713.6	434.1	253.0	209.3	203.4	200.9	201.1	201.1	200.1
933.8	25°	860.5	738.2	395.9	227.6	197.1	192.5	189.4	188.4	186.9	183.9
1018.7	27.5°	923.3	764.4	359.3	209.8	187.4	183.1	179.5	177.0	173.2	168.1
1120.7	30°	994.0	796.2	328.3	198.6	179.8	175.5	171.4	167.6	162.0	155.6
1237.9	32.5°	1077.2	830.3	305.7	191.2	172.9	168.3	163.5	158.9	152.8	146.5
1369.6	35°	1176.4	871.5	292.4	186.1	167.6	161.5	156.1	151.1	146.5	140.9
1512.8	37.5°	1283.9	915.2	288.4	183.6	164.0	154.6	148.5	144.9	144.4	141.1
1667.7	40°	1401.7	967.1	291.4	182.1	160.2	148.0	141.4	140.6	141.9	136.0
1833.2	42.5°	1526.3	1028.6	296.5	180.3	154.9	141.4	135.0	135.0	134.0	125.9
2008.2	45°	1661.1	1099.6	301.6	176.0	148.5	134.8	129.9	128.2	123.8	116.0
2184.1	47.5°	1796.8	1171.8	305.4	168.1	140.9	129.2	124.9	120.8	114.4	107.3
2356.8	50°	1925.8	1236.6	301.3	156.4	132.2	123.8	119.3	113.7	106.8	102.0
2520.3	52.5°	2041.0	1292.8	284.0	142.7	123.1	118.2	114.2	108.3	102.7	97.6
2667.8	55°	2141.2	1338.4	253.5	129.7	114.9	113.4	109.3	102.0	94.3	90.0
2814.0	57.5°	2237.3	1372.9	215.4	119.0	107.6	108.1	102.0	95.4	88.2	83.7
3011.1	60°	2365.2	1419.2	176.7	109.1	99.7	101.2	94.6	89.8	80.9	75.0
3349.1	62.5°	2569.7	1491.2	140.4	96.9	90.5	91.0	88.2	82.4	71.7	64.8
3599.5	65°	2731.9	1464.7	110.6	83.7	80.1	80.9	80.9	74.5	63.1	55.2
3613.0	67.5°	2713.6	1254.2	88.2	70.7	70.2	70.7	72.5	67.1	55.9	49.6
3337.9	70°	2499.7	997.6	70.7	58.7	61.0	59.8	64.8	61.3	50.4	44.0
2587.7	72.5°	2039.7	718.6	53.9	48.6	46.8	48.8	58.5	55.2	42.0	34.8
1370.7	75°	1191.9	383.5	40.2	38.4	33.8	40.7	51.9	47.0	32.0	25.7
420.1	77.5°	388.1	133.8	29.5	28.2	25.2	32.8	44.2	39.7	26.2	20.3
123.1	80°	104.0	40.4	20.1	18.6	16.3	24.4	35.1	31.5	18.8	13.2
52.9	82.5°	41.7	17.0	11.7	10.4	8.9	16.8	27.7	25.4	14.0	8.4
16.5	85°	13.5	5.6	4.3	3.3	4.1	10.4	16.5	17.3	9.9	4.3
2.5	87.5°	1.8	0.8	0.8	1.0	0.8	1.8	5.1	4.8	2.8	0.5
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

<u>180°</u>
585.1
516.0
417.6
323.0
263.7
242.1
234.7
226.3
214.6
199.6
183.3
167.6
155.1
146.7
140.4
140.9
136.3
125.9
115.7
107.1
101.2
97.1
89.5
83.2
74.3
64.3
54.4
48.6
43.2
34.1
24.9
19.6
13.0
8.4
3.3
0.0
0.0

F REPORT)