

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: P851403

Luminaire Tested: **GLAN-SB9B-840-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851403
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9B-840-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 45214 lumens
Efficiency: N/A
Efficacy: 137.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B4 - U0 - G5

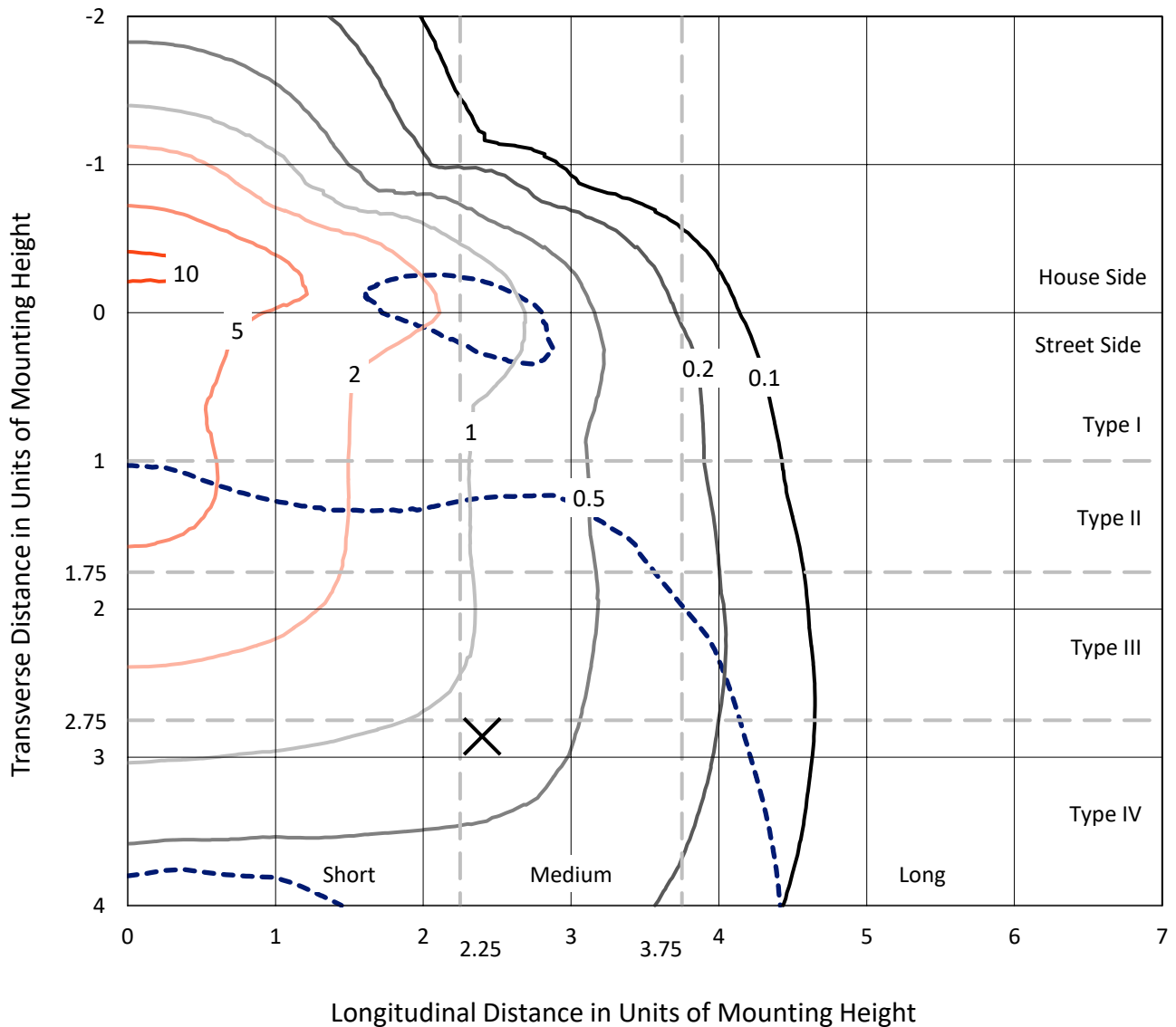
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P851403
 CATALOG NUMBER: GLAN-SB9B-840-U-SL4

Iso-Footcandle Lines of Horizontal Illumination

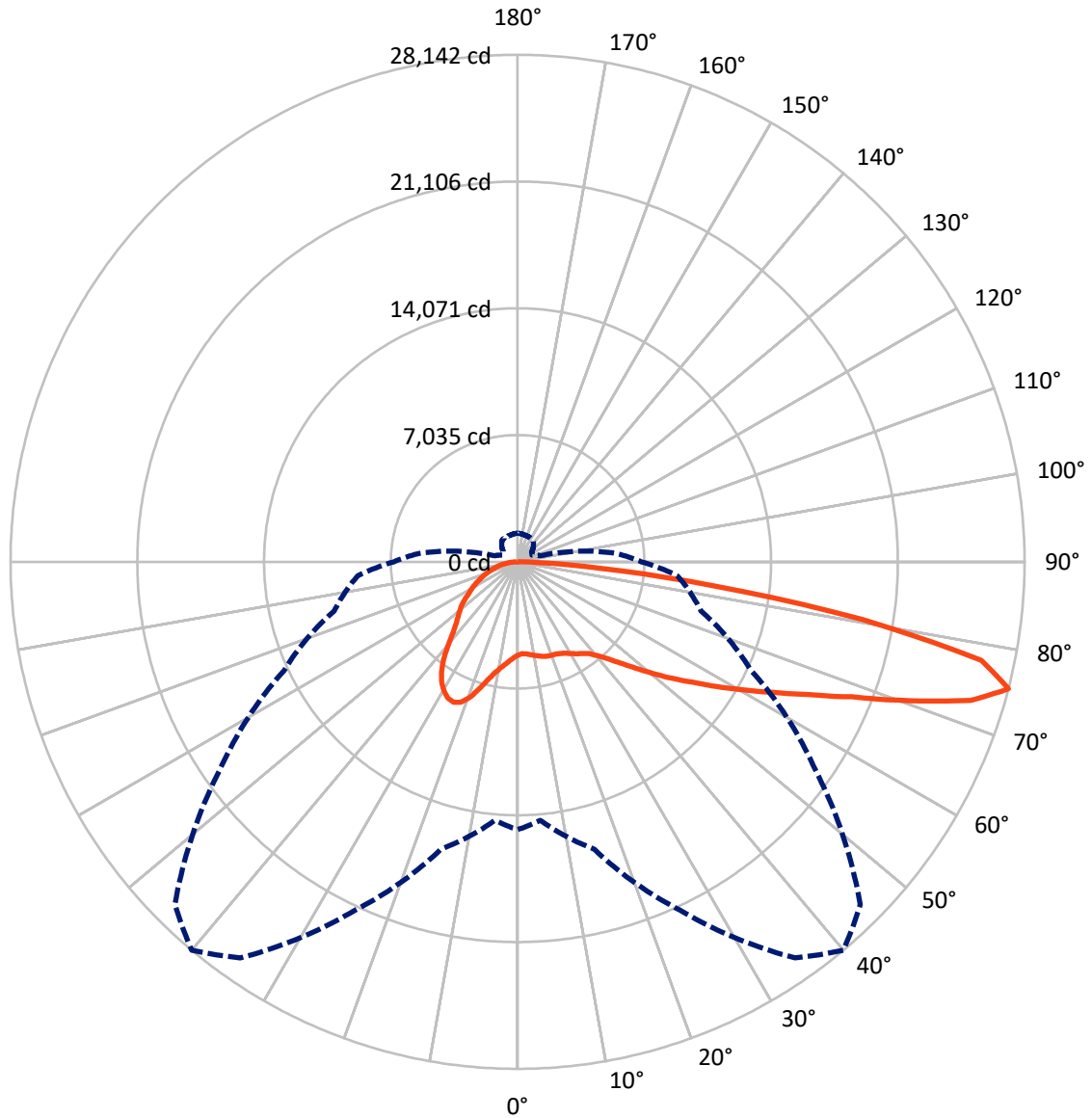
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 fc
 Type IV - Medium - N/A

REPORT NUMBER: P851403
CATALOG NUMBER: GLAN-SB9B-840-U-SL4

Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P851403
 CATALOG NUMBER: GLAN-SB9B-840-U-SL4

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14008.8	0.0	14008.8
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	31205.2	0.0	31205.2
	% Fixture	69.0	0.0	69.0
Total	Lumens	45214.0	0.0	45214.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	516.1	1.1
10°-20°	1732.8	3.8
20°-30°	3163.9	7.0
30°-40°	4487.2	9.9
40°-50°	6059.1	13.4
50°-60°	8151.2	18.0
60°-70°	10345.7	22.9
70°-80°	9389.4	20.8
80°-90°	1368.7	3.0
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°	45214.0	100.0
0°-180°	45214.0	100.0

Coefficient of Utilization

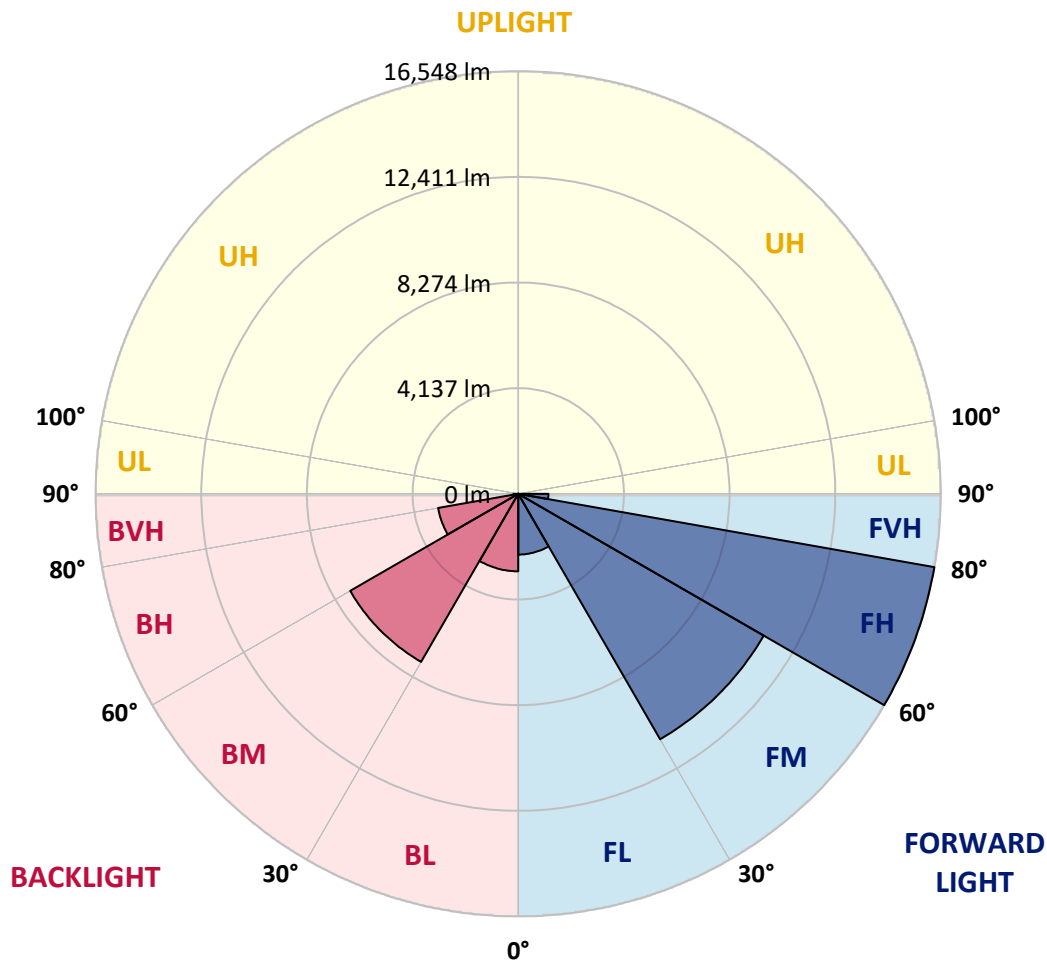


REPORT NUMBER: P851403
 CATALOG NUMBER: GLAN-SB9B-840-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2378.3	5.3			
FM (30°-60°)	11099.0	24.5			
FH (60°-80°)	16547.6	36.6			G5
FVH (80°-90°)	1180.2	2.6			G5
BL (0°-30°)	3034.4	6.7	B4/5000		
BM (30°-60°)	7598.5	16.8	B4/8500		
BH (60°-80°)	3187.4	7.0	B4/5000		G4/5000
BVH (80°-90°)	188.4	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type IV Medium



REPORT NUMBER: P851403
 CATALOG NUMBER: GLAN-SB9B-840-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	5170.3	5170.3	5170.3	5170.3	5170.3	5170.3	5170.3	5170.3	5170.3	5170.3
2.5°	5091.1	5119.9	5112.7	5103.1	5103.1	5105.5	5103.1	5119.9	5136.7	5153.5
5°	5143.9	5172.7	5158.3	5146.3	5136.7	5134.3	5127.1	5124.7	5134.3	5155.9
7.5°	5247.0	5275.8	5254.2	5232.6	5213.4	5203.9	5194.3	5179.9	5172.7	5184.7
10°	5362.1	5390.9	5364.5	5326.2	5295.0	5283.0	5273.4	5259.0	5249.4	5256.6
12.5°	5477.2	5506.0	5470.0	5417.3	5376.5	5369.3	5357.3	5352.5	5350.1	5347.7
15°	5585.2	5609.1	5563.6	5501.2	5458.1	5446.1	5434.1	5441.3	5453.3	5467.6
17.5°	5669.1	5693.1	5625.9	5544.4	5503.6	5498.8	5491.6	5515.6	5549.2	5585.2
20°	5745.8	5769.8	5683.5	5573.2	5525.2	5525.2	5527.6	5578.0	5625.9	5678.7
22.5°	5853.7	5872.9	5767.4	5616.3	5546.8	5551.6	5570.8	5621.1	5681.1	5753.0
25°	6014.4	6028.8	5899.3	5697.9	5618.7	5633.1	5649.9	5673.9	5731.4	5815.4
27.5°	6273.4	6285.4	6115.1	5841.7	5721.8	5745.8	5769.8	5753.0	5779.4	5851.3
30°	6637.9	6645.1	6429.3	6067.2	5896.9	5908.9	5913.7	5844.1	5793.8	5851.3
32.5°	7069.6	7067.2	6810.6	6340.5	6095.9	6084.0	6043.2	5906.5	5789.0	5839.3
35°	7738.6	7712.3	7381.3	6724.2	6321.4	6247.0	6151.1	5976.0	5813.0	5827.4
37.5°	8846.6	8765.0	8307.0	7352.5	6657.1	6467.6	6326.2	6088.7	5865.7	5822.6
40°	10096.0	9992.8	9489.2	8213.5	7160.7	6856.1	6628.3	6249.4	5952.1	5844.1
42.5°	11578.0	11431.7	10889.7	9227.8	7798.6	7357.3	7014.4	6453.3	6079.2	5913.7
45°	13398.1	13203.9	12436.5	10371.7	8601.9	8014.4	7556.4	6762.6	6273.4	6048.0
47.5°	15237.5	15285.4	14194.3	11681.1	9566.0	8825.0	8235.0	7227.8	6556.4	6263.8
50°	17191.9	17225.5	15942.5	13131.9	10659.5	9741.0	8997.6	7748.2	6949.7	6570.8
52.5°	18717.1	18721.9	17530.0	14649.9	11798.6	10748.2	9820.2	8343.0	7405.3	6978.4
55°	19671.5	19659.5	18642.7	16086.4	13108.0	11805.8	10731.5	9019.2	7961.7	7458.1
57.5°	20364.6	20328.6	19410.1	17321.4	14503.6	13055.2	11762.6	9786.6	8618.7	8028.8
60°	20628.4	20606.8	19930.5	18388.6	15971.3	14436.5	12952.1	10645.1	9364.5	8702.7
62.5°	20729.1	20769.9	20441.3	19422.1	17542.0	15966.5	14259.0	11671.5	10203.9	9465.3
65°	21084.0	21158.3	21091.2	20774.7	19316.6	17757.9	15992.9	12892.1	11119.9	10283.0
67.5°	21786.6	21861.0	21889.8	22393.4	21484.5	19990.5	18155.9	14412.5	12191.9	11131.9
70°	21769.9	21748.3	22256.7	23681.1	24199.1	23081.6	21072.0	16283.0	13470.1	11837.0
72.5°	19815.4	19642.8	20844.2	23666.7	26458.1	26309.4	24633.2	18695.5	14573.2	11923.3
75°	14865.8	14405.3	16527.6	21328.6	26834.6	28141.6	26897.0	20191.9	14311.8	10534.8
77.5°	6357.3	5894.5	8395.7	15789.0	24016.9	26307.0	24820.2	17616.4	11424.5	6966.5
80°	1664.3	1661.9	2537.2	7158.3	16333.4	19426.9	17043.2	11376.5	6527.6	2489.2
82.5°	688.3	671.5	932.9	2784.2	7980.8	10901.7	8896.9	5074.4	2357.3	673.9
85°	256.6	254.2	453.2	961.6	2815.4	4496.4	3254.2	1297.4	587.5	328.5
87.5°	71.9	69.5	98.3	333.3	685.9	1040.8	556.4	213.4	165.5	129.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P851403
 CATALOG NUMBER: GLAN-SB9B-840-U-SL4

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
5170.3	0°	5170.3	5170.3	5170.3	5170.3	5170.3	5170.3	5170.3	5170.3	5170.3	5170.3
5179.9	2.5°	5187.1	5199.1	5220.6	5237.4	5259.0	5283.0	5316.6	5338.1	5359.7	5374.1
5191.9	5°	5208.7	5235.0	5290.2	5345.3	5410.1	5470.0	5539.6	5589.9	5630.7	5642.7
5235.0	7.5°	5256.6	5299.8	5393.3	5486.8	5589.9	5688.3	5789.0	5875.3	5944.9	5971.2
5311.8	10°	5340.5	5398.1	5530.0	5661.9	5798.6	5949.7	6079.2	6203.9	6302.2	6342.9
5402.9	12.5°	5446.1	5518.0	5690.7	5872.9	6062.4	6271.0	6438.9	6592.3	6714.7	6769.8
5530.0	15°	5582.8	5676.3	5896.9	6141.5	6419.7	6709.9	6923.3	7093.5	7230.2	7297.4
5661.9	17.5°	5731.4	5856.1	6134.3	6503.6	6901.7	7283.0	7532.4	7657.1	7798.6	7863.3
5784.2	20°	5875.3	6028.8	6426.9	6964.1	7494.0	7899.3	8100.7	8134.3	8143.9	8151.1
5899.3	22.5°	6024.0	6230.2	6793.8	7544.4	8112.7	8393.3	8422.1	8278.2	8076.8	7983.2
6012.0	25°	6187.1	6460.5	7273.4	8184.7	8645.1	8678.7	8458.1	8107.9	7726.6	7551.6
6103.1	27.5°	6345.3	6726.6	7848.9	8796.2	9028.8	8733.8	8259.0	7762.6	7302.2	7117.5
6167.9	30°	6503.6	7031.2	8484.4	9331.0	9203.9	8597.2	7944.9	7390.9	6928.1	6733.8
6225.4	32.5°	6664.3	7386.1	9215.9	9717.1	9172.7	8307.0	7554.0	6973.6	6566.0	6362.1
6275.8	35°	6846.5	7822.6	9908.9	9928.1	8964.1	7880.1	7038.4	6474.8	6119.9	5956.9
6335.8	37.5°	7084.0	8376.5	10520.4	9980.8	8599.5	7254.2	6398.1	5884.9	5592.3	5518.0
6424.5	40°	7378.9	9043.2	10988.0	9896.9	8060.0	6494.0	5697.9	5287.8	5122.3	5139.1
6544.4	42.5°	7762.6	9789.0	11316.6	9681.1	7309.4	5709.9	5083.9	4901.7	4980.8	5048.0
6724.2	45°	8261.4	10563.6	11520.4	9314.2	6460.5	5045.6	4721.8	4765.0	4825.0	4832.2
7014.4	47.5°	8899.3	11347.8	11654.7	8760.2	5594.7	4578.0	4491.6	4501.2	4489.2	4438.9
7448.5	50°	9695.5	12110.4	11774.6	8026.4	4858.5	4285.4	4170.3	4136.7	3971.2	3808.2
8026.4	52.5°	10602.0	12810.6	11825.0	7115.1	4285.4	4040.8	3853.7	3642.7	3333.3	3283.0
8753.0	55°	11609.2	13458.1	11695.5	5995.2	3803.4	3726.6	3443.7	3189.5	3155.9	3112.7
9709.9	57.5°	12813.0	14155.9	11431.7	4745.8	3309.4	3359.7	3083.9	3112.7	3052.8	2985.6
10940.1	60°	14129.5	14877.7	10968.9	3606.7	2798.6	2901.7	2990.4	2988.0	2971.2	2916.1
12237.5	62.5°	15314.2	15352.6	10057.6	2762.6	2350.1	2546.8	2789.0	2786.6	2772.2	2741.0
13592.4	65°	16019.2	15280.6	8537.2	2175.1	1980.8	2254.2	2515.6	2534.8	2537.2	2534.8
14611.6	67.5°	15894.5	14438.9	6450.9	1731.4	1676.3	1956.8	2244.6	2271.0	2290.2	2295.0
14741.1	70°	14484.5	12590.0	4206.2	1381.3	1405.3	1695.4	1988.0	2014.4	2031.2	2050.4
12791.4	72.5°	11290.2	9256.6	2407.7	1117.5	1167.9	1470.0	1733.8	1765.0	1774.6	1810.6
8901.7	75°	6880.1	5443.7	1299.8	880.1	959.2	1256.6	1482.0	1518.0	1534.8	1577.9
4371.7	77.5°	3271.0	2357.3	741.0	685.9	772.2	1026.4	1251.8	1292.6	1247.0	1271.0
1206.2	80°	1105.5	875.3	467.6	522.8	589.9	801.0	1002.4	1043.2	947.2	942.4
400.5	82.5°	386.1	354.9	297.4	347.7	381.3	573.1	757.8	810.6	705.0	702.6
179.9	85°	151.1	143.9	165.5	189.4	227.8	352.5	498.8	525.2	434.1	350.1
52.8	87.5°	31.2	33.6	40.8	43.2	69.5	122.3	179.9	220.6	175.1	148.7
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°
5170.3
5364.5
5647.5
5973.6
6345.3
6769.8
7292.6
7860.9
8170.3
8009.6
7578.0
7139.1
6755.4
6388.5
5992.8
5570.8
5196.7
5110.3
4880.1
4477.2
3829.7
3299.8
3119.9
2973.6
2896.9
2729.0
2534.8
2299.8
2060.0
1824.9
1582.7
1251.8
932.9
669.1
345.3
136.7
0.0

F REPORT)