

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: P852848

Luminaire Tested: **GLAN-SB6D-835-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852848
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6D-835-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38685 lumens
Efficiency: N/A
Efficacy: 87.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

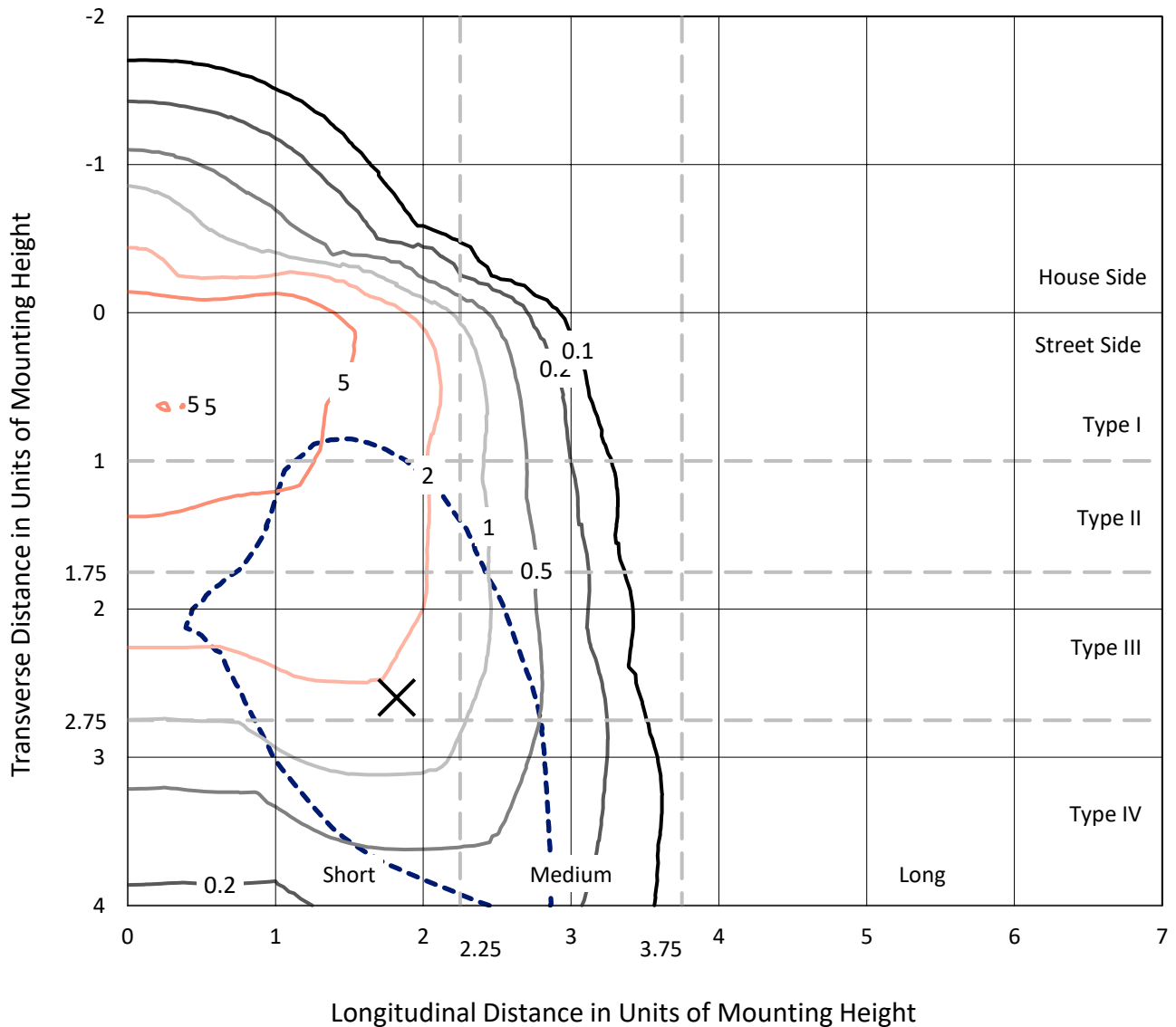
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P852848
 CATALOG NUMBER: GLAN-SB6D-835-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination

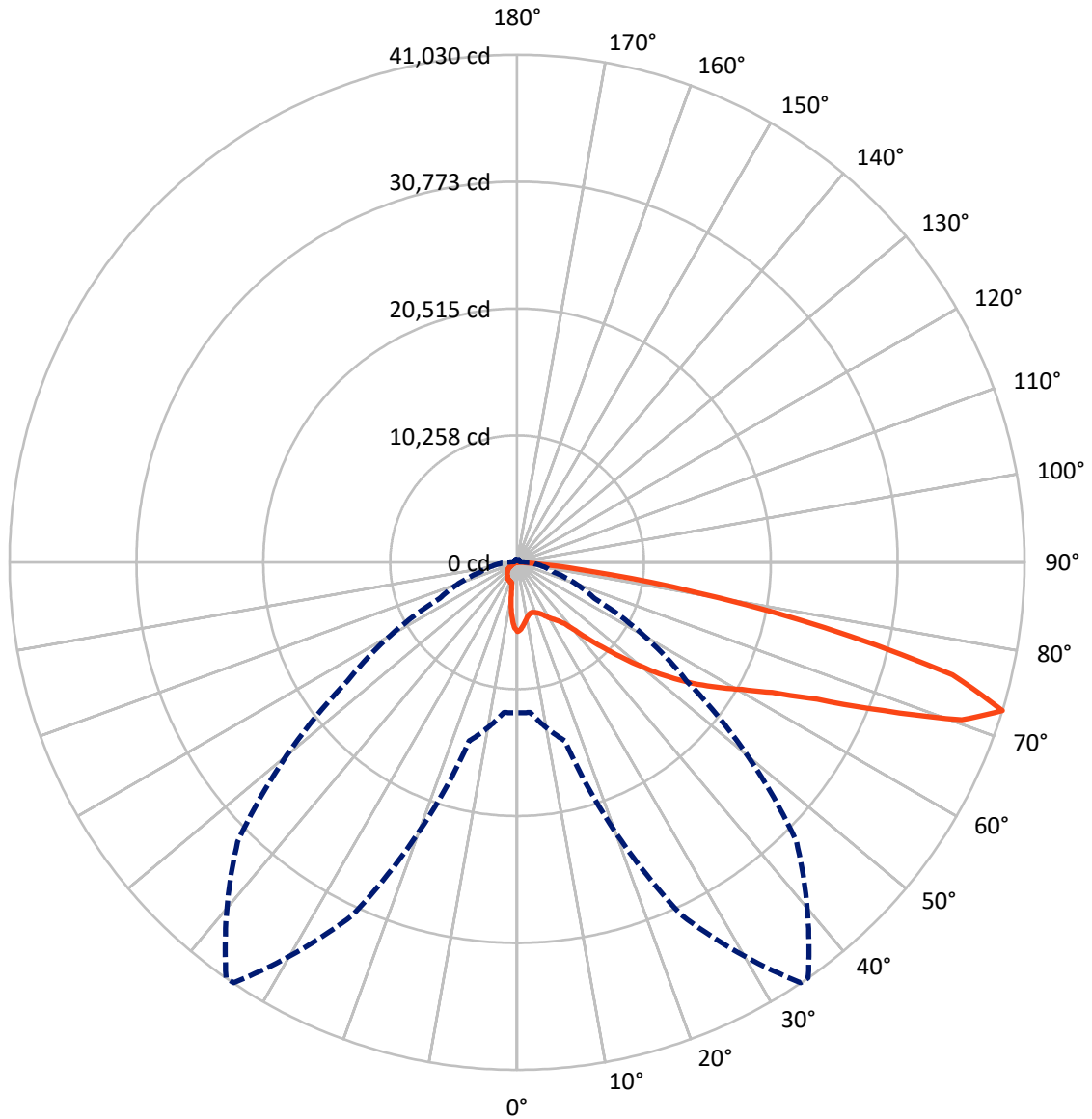
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 fc
 Type IV - Short - N/A

REPORT NUMBER: P852848
CATALOG NUMBER: GLAN-SB6D-835-U-T4FT-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P852848
 CATALOG NUMBER: GLAN-SB6D-835-U-T4FT-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4353.8	0.0	4353.8
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	34331.2	0.0	34331.2
	% Fixture	88.7	0.0	88.7
Total	Lumens	38685.0	0.0	38685.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	460.7	1.2
10°-20°	1077.8	2.8
20°-30°	1750.9	4.5
30°-40°	2921.3	7.6
40°-50°	5527.2	14.3
50°-60°	8782.7	22.7
60°-70°	10864.8	28.1
70°-80°	6753.7	17.5
80°-90°	545.8	1.4
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°	38685.0	100.0
0°-180°	38685.0	100.0

Coefficient of Utilization



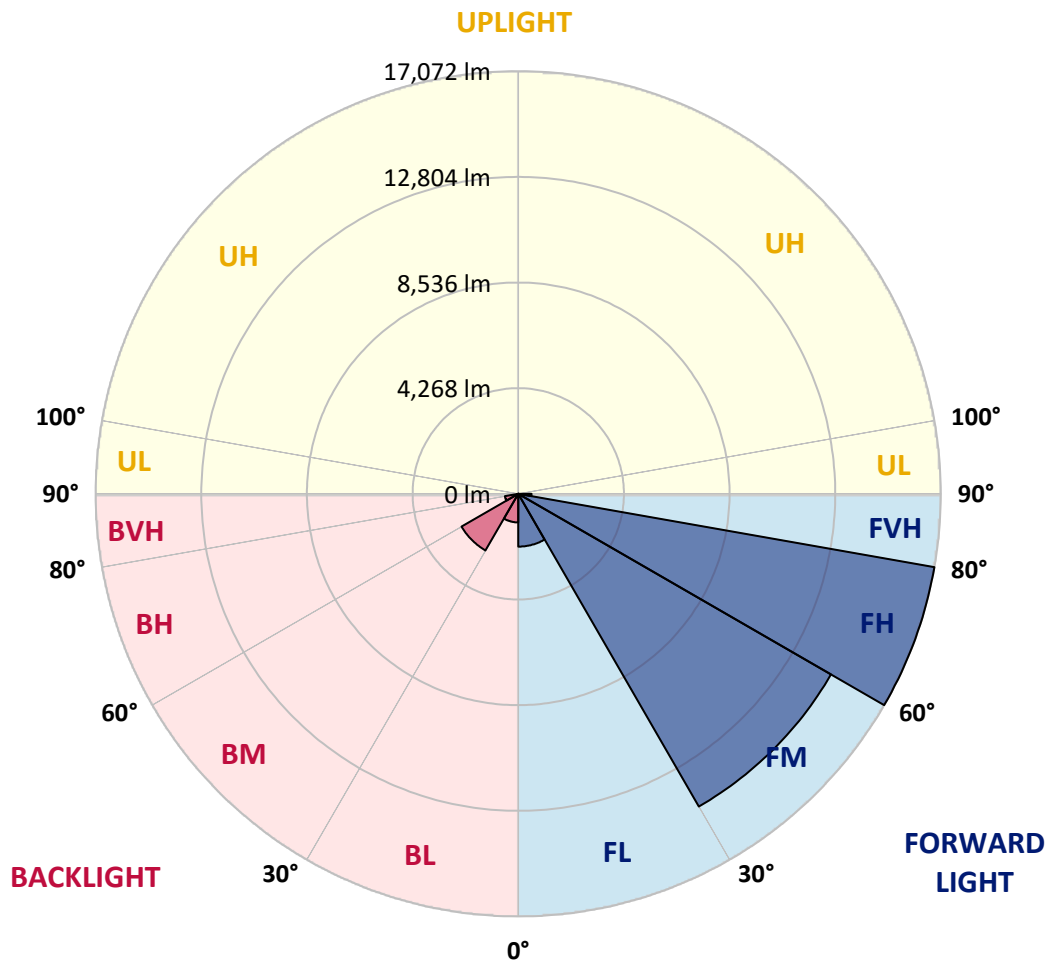
REPORT NUMBER: P852848
 CATALOG NUMBER: GLAN-SB6D-835-U-T4FT-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2132.5	5.5			
FM (30°-60°)	14588.1	37.7			
FH (60°-80°)	17072.2	44.1			G5
FVH (80°-90°)	538.4	1.4			G4/750
BL (0°-30°)	1156.9	3.0	B3/2500		
BM (30°-60°)	2643.2	6.8	B3/5000		
BH (60°-80°)	546.3	1.4	B2/1000		G2/1000
BVH (80°-90°)	7.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short



REPORT NUMBER: P852848
 CATALOG NUMBER: GLAN-SB6D-835-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	5606.8	5606.8	5606.8	5606.8	5606.8	5606.8	5606.8	5606.8	5606.8	5606.8
2.5°	5357.3	5402.7	5411.2	5425.3	5425.3	5442.3	5470.7	5510.4	5575.6	5609.6
5°	4937.8	4971.8	5014.3	5048.3	5113.5	5122.0	5232.6	5340.3	5490.5	5603.9
7.5°	4515.4	4555.1	4611.8	4694.0	4779.1	4804.6	4971.8	5153.2	5391.3	5603.9
10°	4217.8	4220.7	4271.7	4353.9	4489.9	4521.1	4725.2	4983.2	5280.8	5569.9
12.5°	4050.6	4070.4	4093.1	4155.5	4285.9	4305.7	4524.0	4827.3	5170.2	5550.1
15°	4050.6	4064.8	4078.9	4110.1	4215.0	4232.0	4424.7	4728.0	5113.5	5558.6
17.5°	4093.1	4115.8	4104.4	4141.3	4251.8	4263.2	4433.2	4699.7	5110.7	5612.4
20°	4195.1	4212.2	4189.5	4212.2	4322.7	4345.4	4521.1	4753.6	5158.9	5706.0
22.5°	4356.7	4365.2	4311.4	4328.4	4441.8	4470.1	4674.2	4906.6	5275.1	5856.2
25°	4560.8	4577.8	4495.6	4515.4	4623.2	4657.2	4892.4	5136.2	5459.4	6063.1
27.5°	4796.1	4804.6	4733.7	4730.9	4869.8	4918.0	5156.1	5419.7	5706.0	6323.9
30°	5065.4	5090.9	5022.8	5011.5	5187.2	5226.9	5462.2	5768.3	6068.8	6715.1
32.5°	5277.9	5297.8	5258.1	5286.4	5465.0	5496.2	5833.5	6261.5	6638.5	7270.6
35°	5584.1	5595.4	5504.7	5555.7	5759.8	5839.2	6340.9	6953.2	7355.7	7967.9
37.5°	6692.4	6692.4	6306.9	6054.6	6250.2	6321.1	7035.4	7823.4	8240.1	8903.3
40°	8225.9	8200.4	7636.3	7120.4	7094.9	7233.8	8024.6	8920.4	9382.4	10025.8
42.5°	9861.4	9821.7	9053.6	8543.4	8458.3	8506.5	9167.0	10272.4	10743.0	11394.9
45°	11312.7	11301.4	10598.4	9912.4	9759.4	9912.4	10592.7	11854.1	12191.4	12877.4
47.5°	12528.7	12528.7	12015.7	11567.8	11488.5	11579.2	12523.1	13608.7	13577.5	14456.2
50°	13929.0	13917.7	13430.1	13237.4	13319.6	13447.1	14745.4	15456.8	15011.8	16006.7
52.5°	14909.8	14977.8	14810.6	14779.4	15198.9	15420.0	17001.7	17265.3	16295.9	17477.9
55°	15686.4	15765.8	15958.6	16176.8	16984.7	17273.8	19187.1	18980.2	17370.2	18753.4
57.5°	16786.2	16672.9	16970.5	17401.3	18708.1	19056.7	21304.5	20598.7	18234.7	19788.0
60°	18121.3	18138.3	18189.4	18733.6	20428.7	20876.5	23390.8	22129.4	18790.3	20423.0
62.5°	19725.7	19751.2	19856.1	20692.3	22738.8	23161.2	25613.1	23382.3	19045.4	20244.4
65°	19615.1	19722.8	20893.5	23753.6	26250.8	26667.5	28206.7	24261.0	18659.9	18611.7
67.5°	17869.0	18044.8	20003.5	27410.2	31545.8	32010.7	31341.7	24433.9	16996.0	14473.2
70°	15578.7	15641.1	17996.6	30698.3	37676.9	38147.5	34147.9	22531.9	12897.2	8072.8
72.5°	12165.9	12180.1	14943.8	31460.7	41004.7	41030.2	31945.5	16726.7	6936.2	3101.0
75°	8690.8	8605.7	10008.8	25513.8	36075.4	36364.5	23949.2	7846.1	2650.3	1465.5
77.5°	4660.0	4753.6	5663.4	15130.9	24921.4	25414.6	13067.3	2262.0	1349.2	997.8
80°	1440.0	1519.3	2321.5	6927.7	14116.1	14413.7	4844.3	1006.3	941.1	711.5
82.5°	453.5	470.5	1082.8	2911.1	5859.0	5995.1	1403.1	569.7	643.4	470.5
85°	130.4	133.2	481.9	1085.6	1448.5	1476.8	394.0	221.1	368.5	292.0
87.5°	14.2	45.4	181.4	181.4	127.6	124.7	42.5	48.2	104.9	36.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P852848
 CATALOG NUMBER: GLAN-SB6D-835-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
5606.8	0°	5606.8	5606.8	5606.8	5606.8	5606.8	5606.8	5606.8	5606.8	5606.8	5606.8
5632.3	2.5°	5618.1	5620.9	5584.1	5521.7	5453.7	5397.0	5326.1	5269.4	5229.8	5218.4
5683.3	5°	5657.8	5637.9	5533.1	5343.1	5116.4	4920.8	4702.5	4529.6	4416.2	4368.1
5737.1	7.5°	5717.3	5660.6	5431.0	5056.8	4623.2	4237.7	3846.5	3543.2	3350.4	3254.1
5788.2	10°	5768.3	5654.9	5260.9	4643.0	3979.7	3395.8	2868.6	2502.9	2298.8	2202.5
5847.7	12.5°	5816.5	5652.1	5039.8	4152.6	3254.1	2539.8	2049.4	1868.0	1811.3	1791.4
5944.1	15°	5907.2	5660.6	4762.1	3591.4	2531.3	1919.0	1740.4	1737.6	1748.9	1743.3
6091.5	17.5°	6031.9	5669.1	4447.4	2996.1	1953.0	1692.2	1683.7	1709.2	1726.2	1717.7
6275.7	20°	6193.5	5703.1	4112.9	2406.5	1678.1	1635.5	1655.4	1678.1	1692.2	1678.1
6522.3	22.5°	6420.3	5762.7	3747.3	1933.2	1590.2	1601.5	1618.5	1644.0	1658.2	1638.4
6837.0	25°	6698.1	5856.2	3387.3	1680.9	1547.7	1561.8	1587.4	1615.7	1632.7	1612.9
7233.8	27.5°	7058.0	6006.4	3055.7	1624.2	1505.1	1513.7	1550.5	1593.0	1615.7	1590.2
7797.9	30°	7579.6	6253.0	2769.4	1649.7	1479.6	1459.8	1510.8	1570.3	1595.9	1573.2
8566.0	32.5°	8271.2	6601.7	2593.6	1689.4	1468.3	1397.4	1445.6	1522.2	1564.7	1550.5
9569.5	35°	9178.3	7131.7	2525.6	1734.7	1459.8	1332.2	1366.3	1448.5	1522.2	1536.3
10833.7	37.5°	10278.1	7868.7	2545.4	1754.6	1434.3	1278.4	1295.4	1366.3	1462.6	1508.0
12256.6	40°	11528.1	8727.6	2658.8	1734.7	1405.9	1233.0	1235.9	1289.7	1374.8	1442.8
13787.3	42.5°	12817.9	9731.0	2868.6	1661.1	1380.4	1193.3	1184.8	1221.7	1278.4	1326.6
15315.1	45°	14045.2	10762.8	3075.5	1559.0	1349.2	1153.7	1133.8	1148.0	1159.3	1179.2
16803.3	47.5°	15116.7	11488.5	3016.0	1465.5	1306.7	1108.3	1074.3	1068.6	1034.6	1031.8
18132.7	50°	15856.5	11647.2	2678.7	1371.9	1244.4	1057.3	1003.4	969.4	909.9	881.5
19127.6	52.5°	16091.8	11020.8	2188.3	1278.4	1142.3	989.3	912.7	858.9	785.2	759.7
19700.2	55°	15780.0	9793.4	1748.9	1165.0	1000.6	898.6	813.5	742.7	683.1	651.9
19762.5	57.5°	15017.5	8231.6	1383.3	1031.8	850.4	796.5	711.5	640.6	589.6	558.4
19070.9	60°	13753.3	6536.5	1094.1	873.0	725.6	686.0	598.1	552.7	507.4	470.5
17285.1	62.5°	11834.3	4665.7	858.9	691.6	606.6	561.2	510.2	476.2	422.3	371.3
14073.6	65°	9235.0	2854.4	663.3	507.4	487.5	464.9	433.7	402.5	337.3	286.3
9181.1	67.5°	5825.0	1352.1	473.4	382.7	385.5	374.2	360.0	334.5	286.3	240.9
4112.9	70°	2565.3	654.8	311.8	292.0	286.3	286.3	297.6	289.1	243.8	201.3
1428.6	72.5°	873.0	351.5	232.4	221.1	206.9	204.1	249.4	240.9	195.6	155.9
711.5	75°	456.4	235.3	170.1	158.7	124.7	150.2	198.4	187.1	138.9	102.0
470.5	77.5°	297.6	167.2	116.2	102.0	70.9	99.2	147.4	130.4	82.2	51.0
309.0	80°	187.1	110.5	68.0	48.2	34.0	53.9	79.4	56.7	31.2	11.3
181.4	82.5°	99.2	56.7	25.5	17.0	14.2	17.0	19.8	14.2	5.7	0.0
93.5	85°	39.7	19.8	8.5	5.7	2.8	0.0	5.7	2.8	0.0	0.0
17.0	87.5°	14.2	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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>
5606.8
5238.3
4385.1
3268.2
2205.3
1785.8
1740.4
1714.9
1675.2
1635.5
1610.0
1590.2
1570.3
1550.5
1536.3
1519.3
1465.5
1346.4
1190.5
1028.9
884.4
756.8
651.9
552.7
462.0
362.8
277.8
235.3
192.7
147.4
93.5
45.4
8.5
0.0
0.0
0.0
0.0

F REPORT)