

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: P852712

Luminaire Tested: **GLAN-SB5D-835-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852712
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-SB5D-835-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 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: 32225 lumens
Efficiency: N/A
Efficacy: 88.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

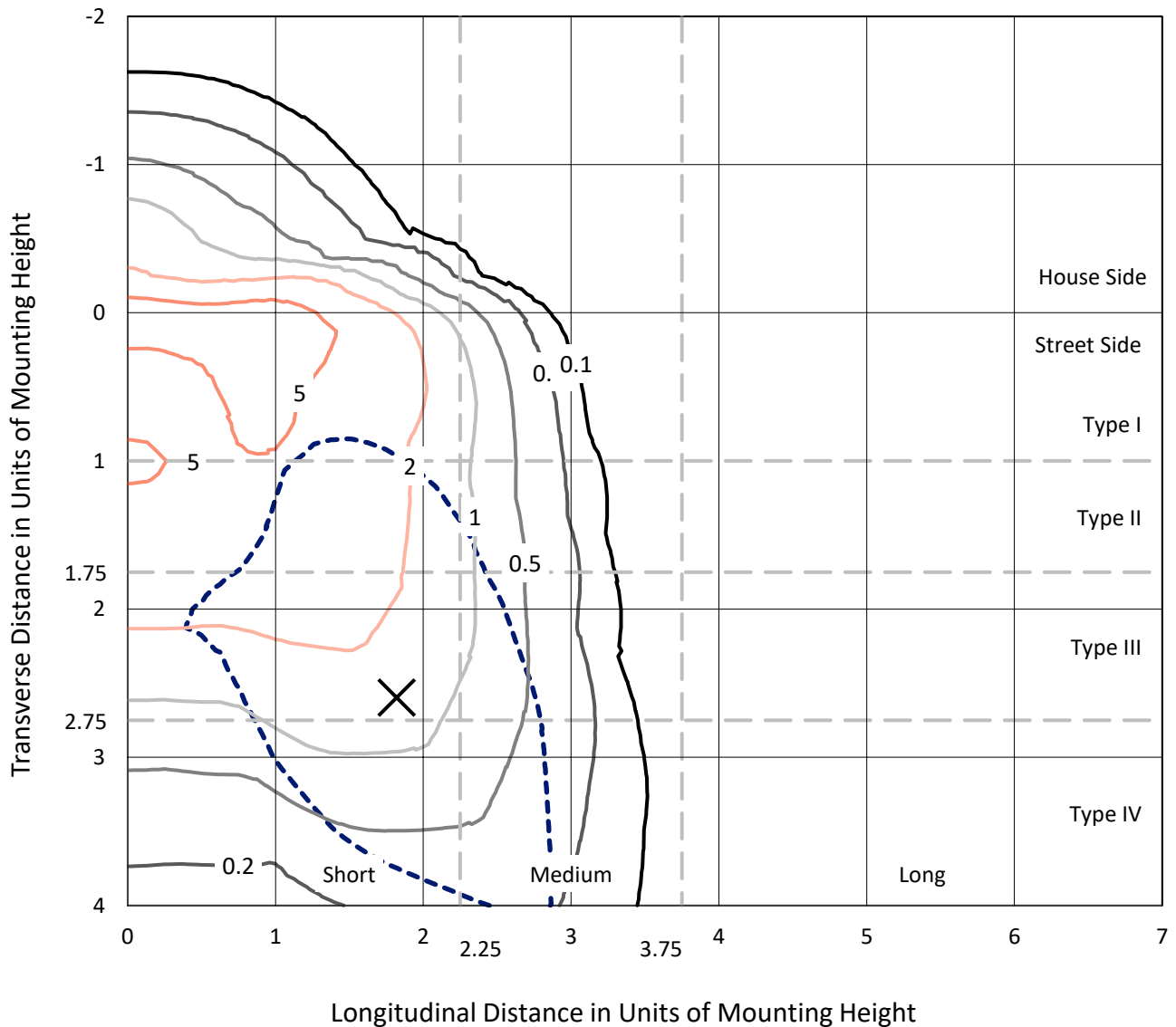
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P852712
 CATALOG NUMBER: GLAN-SB5D-835-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination

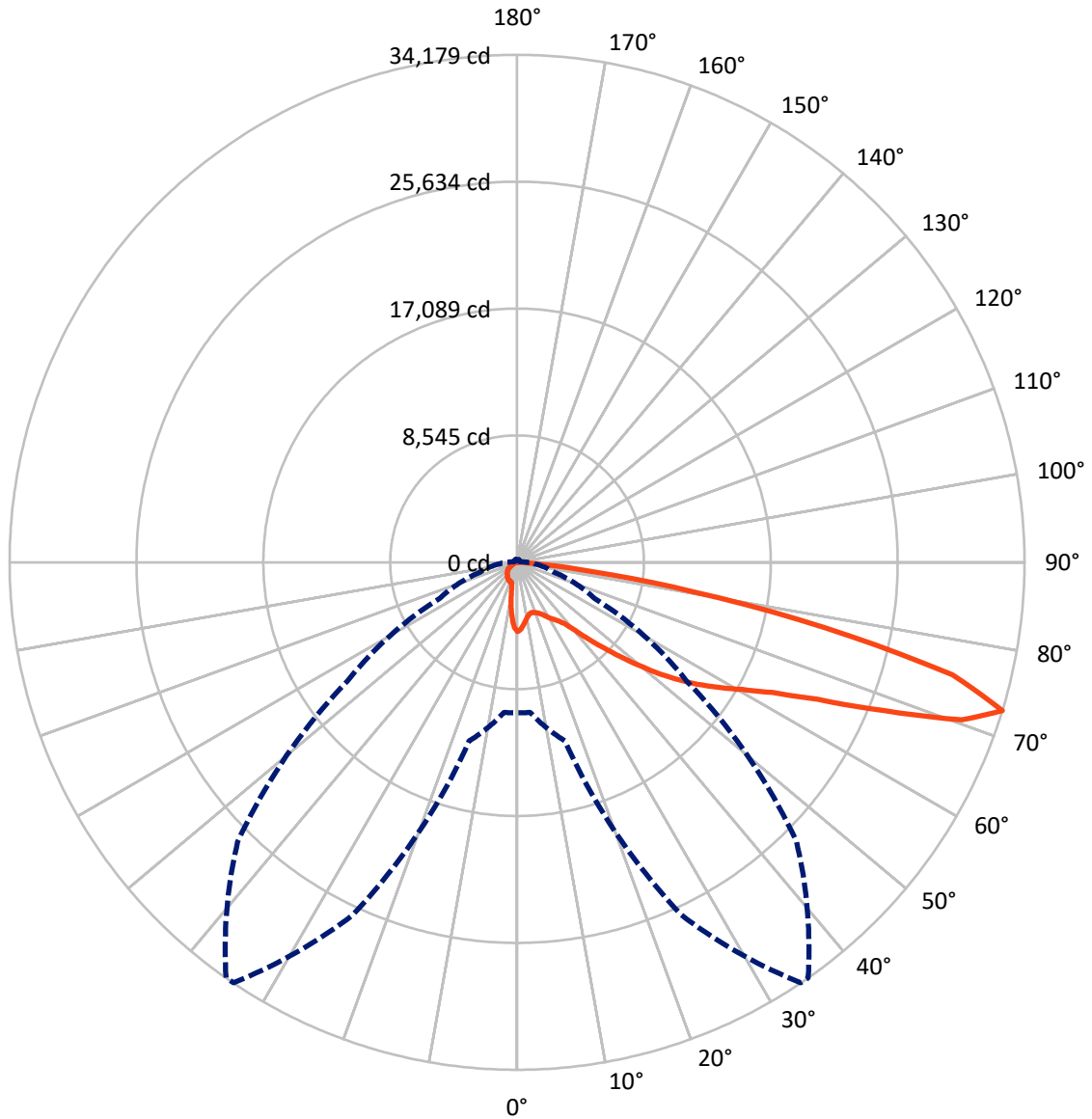
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 fc
 Type IV - Short - N/A

REPORT NUMBER: P852712
CATALOG NUMBER: GLAN-SB5D-835-U-T4FT-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P852712
 CATALOG NUMBER: GLAN-SB5D-835-U-T4FT-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3626.8	0.0	3626.8
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	28598.2	0.0	28598.2
	% Fixture	88.7	0.0	88.7
Total	Lumens	32225.0	0.0	32225.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	383.8	1.2
10°-20°	897.8	2.8
20°-30°	1458.5	4.5
30°-40°	2433.5	7.6
40°-50°	4604.2	14.3
50°-60°	7316.1	22.7
60°-70°	9050.5	28.1
70°-80°	5625.9	17.5
80°-90°	454.7	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°	32225.0	100.0
0°-180°	32225.0	100.0

Coefficient of Utilization

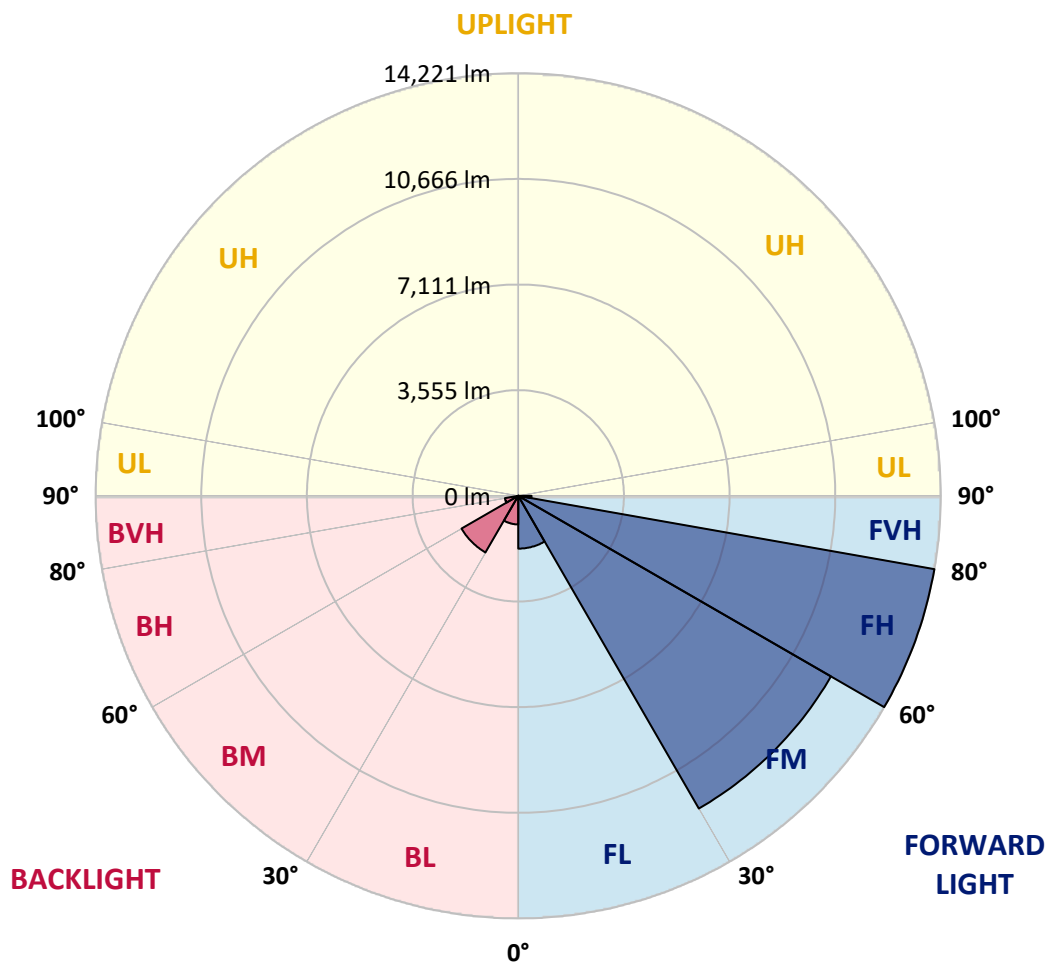


REPORT NUMBER: P852712
 CATALOG NUMBER: GLAN-SB5D-835-U-T4FT-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1776.4	5.5			
FM (30°-60°)	12152.1	37.7			
FH (60°-80°)	14221.3	44.1			G5
FVH (80°-90°)	448.5	1.4			G3/500
BL (0°-30°)	963.7	3.0	B2/1000		
BM (30°-60°)	2201.8	6.8	B2/2500		
BH (60°-80°)	455.1	1.4	B1/500		G1/500
BVH (80°-90°)	6.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G5
 Type IV Short



REPORT NUMBER: P852712
 CATALOG NUMBER: GLAN-SB5D-835-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	4670.5	4670.5	4670.5	4670.5	4670.5	4670.5	4670.5	4670.5	4670.5	4670.5
2.5°	4462.7	4500.5	4507.6	4519.4	4519.4	4533.5	4557.1	4590.2	4644.5	4672.8
5°	4113.2	4141.6	4177.0	4205.3	4259.6	4266.7	4358.8	4448.5	4573.7	4668.1
7.5°	3761.4	3794.5	3841.7	3910.2	3981.0	4002.3	4141.6	4292.7	4491.0	4668.1
10°	3513.5	3515.8	3558.4	3626.8	3740.2	3766.1	3936.1	4151.0	4398.9	4639.8
12.5°	3374.2	3390.7	3409.6	3461.5	3570.2	3586.7	3768.5	4021.1	4306.9	4623.3
15°	3374.2	3386.0	3397.8	3423.8	3511.1	3525.3	3685.9	3938.5	4259.6	4630.3
17.5°	3409.6	3428.5	3419.0	3449.7	3541.8	3551.3	3692.9	3914.9	4257.3	4675.2
20°	3494.6	3508.8	3489.9	3508.8	3600.9	3619.7	3766.1	3959.8	4297.4	4753.1
22.5°	3629.2	3636.3	3591.4	3605.6	3700.0	3723.6	3893.6	4087.3	4394.2	4878.3
25°	3799.2	3813.4	3744.9	3761.4	3851.1	3879.5	4075.5	4278.5	4547.7	5050.6
27.5°	3995.2	4002.3	3943.2	3940.9	4056.6	4096.7	4295.0	4514.6	4753.1	5267.9
30°	4219.5	4240.7	4184.1	4174.6	4321.0	4354.1	4550.1	4805.1	5055.4	5593.7
32.5°	4396.6	4413.1	4380.1	4403.7	4552.4	4578.4	4859.4	5215.9	5530.0	6056.5
35°	4651.6	4661.0	4585.5	4628.0	4798.0	4864.1	5282.0	5792.1	6127.4	6637.4
37.5°	5574.8	5574.8	5253.7	5043.6	5206.5	5265.5	5860.5	6517.0	6864.1	7416.6
40°	6852.2	6831.0	6361.1	5931.4	5910.1	6025.8	6684.6	7430.7	7815.6	8351.6
42.5°	8214.7	8181.6	7541.7	7116.7	7045.9	7086.0	7636.2	8557.0	8949.0	9492.1
45°	9423.6	9414.2	8828.6	8257.2	8129.7	8257.2	8823.9	9874.6	10155.6	10727.0
47.5°	10436.6	10436.6	10009.2	9636.1	9570.0	9645.6	10431.8	11336.2	11310.2	12042.2
50°	11603.0	11593.6	11187.4	11026.9	11095.3	11201.6	12283.0	12875.7	12505.0	13333.8
52.5°	12420.0	12476.7	12337.3	12311.4	12660.8	12845.0	14162.6	14382.2	13574.6	14559.3
55°	13067.0	13133.1	13293.6	13475.5	14148.4	14389.2	15983.1	15810.7	14469.5	15621.8
57.5°	13983.1	13888.7	14136.6	14495.5	15584.0	15874.4	17746.9	17158.9	15189.7	16483.6
60°	15095.2	15109.4	15151.9	15605.3	17017.3	17390.3	19484.7	18434.0	15652.5	17012.6
62.5°	16431.7	16452.9	16540.3	17236.9	18941.7	19293.5	21335.9	19477.7	15865.0	16863.8
65°	16339.6	16429.3	17404.5	19787.0	21867.2	22214.3	23496.4	20209.6	15543.9	15503.7
67.5°	14885.1	15031.5	16663.1	22832.9	26278.0	26665.2	26108.0	20353.7	14157.8	12056.4
70°	12977.2	13029.2	14991.4	25572.0	31385.3	31777.2	28445.6	18769.3	10743.5	6724.7
72.5°	10134.3	10146.1	12448.3	26207.1	34157.3	34178.6	26610.9	13933.5	5777.9	2583.2
75°	7239.5	7168.6	8337.4	21253.3	30051.2	30292.0	19949.9	6535.8	2207.7	1220.7
77.5°	3881.8	3959.8	4717.7	12604.2	20759.8	21170.7	10885.2	1884.2	1123.9	831.1
80°	1199.5	1265.6	1933.8	5770.8	11758.8	12006.8	4035.3	838.2	783.9	592.7
82.5°	377.8	392.0	902.0	2425.0	4880.6	4994.0	1168.8	474.6	536.0	392.0
85°	108.6	111.0	401.4	904.3	1206.6	1230.2	328.2	184.2	307.0	243.2
87.5°	11.8	37.8	151.1	151.1	106.3	103.9	35.4	40.1	87.4	30.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P852712
 CATALOG NUMBER: GLAN-SB5D-835-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4670.5	0°	4670.5	4670.5	4670.5	4670.5	4670.5	4670.5	4670.5	4670.5	4670.5	4670.5
4691.7	2.5°	4679.9	4682.3	4651.6	4599.6	4543.0	4495.8	4436.7	4389.5	4356.4	4347.0
4734.2	5°	4713.0	4696.5	4609.1	4450.9	4262.0	4099.1	3917.3	3773.2	3678.8	3638.6
4779.1	7.5°	4762.6	4715.3	4524.1	4212.4	3851.1	3530.0	3204.2	2951.5	2791.0	2710.7
4821.6	10°	4805.1	4710.6	4382.4	3867.7	3315.1	2828.7	2389.5	2085.0	1914.9	1834.7
4871.2	12.5°	4845.2	4708.3	4198.2	3459.2	2710.7	2115.6	1707.2	1556.0	1508.8	1492.3
4951.5	15°	4920.8	4715.3	3966.8	2991.7	2108.6	1598.5	1449.8	1447.4	1456.9	1452.1
5074.3	17.5°	5024.7	4722.4	3704.7	2495.8	1626.9	1409.6	1402.6	1423.8	1438.0	1430.9
5227.7	20°	5159.3	4750.8	3426.1	2004.7	1397.8	1362.4	1378.9	1397.8	1409.6	1397.8
5433.2	22.5°	5348.2	4800.3	3121.5	1610.3	1324.6	1334.1	1348.3	1369.5	1381.3	1364.8
5695.3	25°	5579.6	4878.3	2821.7	1400.2	1289.2	1301.0	1322.3	1345.9	1360.1	1343.5
6025.8	27.5°	5879.4	5003.4	2545.4	1353.0	1253.8	1260.9	1291.6	1327.0	1345.9	1324.6
6495.7	30°	6313.9	5208.8	2306.9	1374.2	1232.6	1216.0	1258.5	1308.1	1329.4	1310.5
7135.6	32.5°	6890.0	5499.3	2160.5	1407.3	1223.1	1164.1	1204.2	1268.0	1303.4	1291.6
7971.5	35°	7645.6	5940.8	2103.8	1445.1	1216.0	1109.8	1138.1	1206.6	1268.0	1279.8
9024.6	37.5°	8561.8	6554.7	2120.4	1461.6	1194.8	1064.9	1079.1	1138.1	1218.4	1256.2
10209.9	40°	9603.1	7270.2	2214.8	1445.1	1171.2	1027.1	1029.5	1074.4	1145.2	1201.9
11484.9	42.5°	10677.4	8106.1	2389.5	1383.7	1149.9	994.1	987.0	1017.7	1064.9	1105.0
12757.6	45°	11699.8	8965.5	2561.9	1298.7	1123.9	961.0	944.5	956.3	965.7	982.3
13997.3	47.5°	12592.4	9570.0	2512.3	1220.7	1088.5	923.2	894.9	890.2	861.8	859.5
15104.7	50°	13208.6	9702.2	2231.3	1142.8	1036.6	880.7	835.9	807.5	757.9	734.3
15933.5	52.5°	13404.6	9180.4	1822.9	1064.9	951.6	824.1	760.3	715.4	654.1	632.8
16410.4	55°	13144.9	8158.0	1456.9	970.5	833.5	748.5	677.7	618.6	569.1	543.1
16462.4	57.5°	12509.7	6857.0	1152.3	859.5	708.4	663.5	592.7	533.6	491.1	465.2
15886.3	60°	11456.6	5445.0	911.4	727.3	604.5	571.4	498.2	460.4	422.7	392.0
14398.7	62.5°	9858.1	3886.6	715.4	576.1	505.3	467.5	425.0	396.7	351.8	309.3
11723.4	65°	7692.8	2377.7	552.5	422.7	406.1	387.2	361.3	335.3	281.0	238.5
7648.0	67.5°	4852.3	1126.3	394.3	318.8	321.1	311.7	299.9	278.6	238.5	200.7
3426.1	70°	2136.9	545.4	259.7	243.2	238.5	238.5	247.9	240.8	203.1	167.6
1190.1	72.5°	727.3	292.8	193.6	184.2	172.4	170.0	207.8	200.7	162.9	129.9
592.7	75°	380.2	196.0	141.7	132.2	103.9	125.1	165.3	155.8	115.7	85.0
392.0	77.5°	247.9	139.3	96.8	85.0	59.0	82.6	122.8	108.6	68.5	42.5
257.4	80°	155.8	92.1	56.7	40.1	28.3	44.9	66.1	47.2	26.0	9.4
151.1	82.5°	82.6	47.2	21.3	14.2	11.8	14.2	16.5	11.8	4.7	0.0
77.9	85°	33.1	16.5	7.1	4.7	2.4	0.0	4.7	2.4	0.0	0.0
14.2	87.5°	11.8	2.4	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

180°
4670.5
4363.5
3652.8
2722.5
1837.0
1487.6
1449.8
1428.5
1395.5
1362.4
1341.2
1324.6
1308.1
1291.6
1279.8
1265.6
1220.7
1121.6
991.7
857.1
736.7
630.4
543.1
460.4
384.9
302.2
231.4
196.0
160.6
122.8
77.9
37.8
7.1
0.0
0.0
0.0
0.0

F REPORT)