

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: P850586

Luminaire Tested: **GLAN-SB8A-930-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850586
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8A-930-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24247 lumens
Efficiency: N/A
Efficacy: 106.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

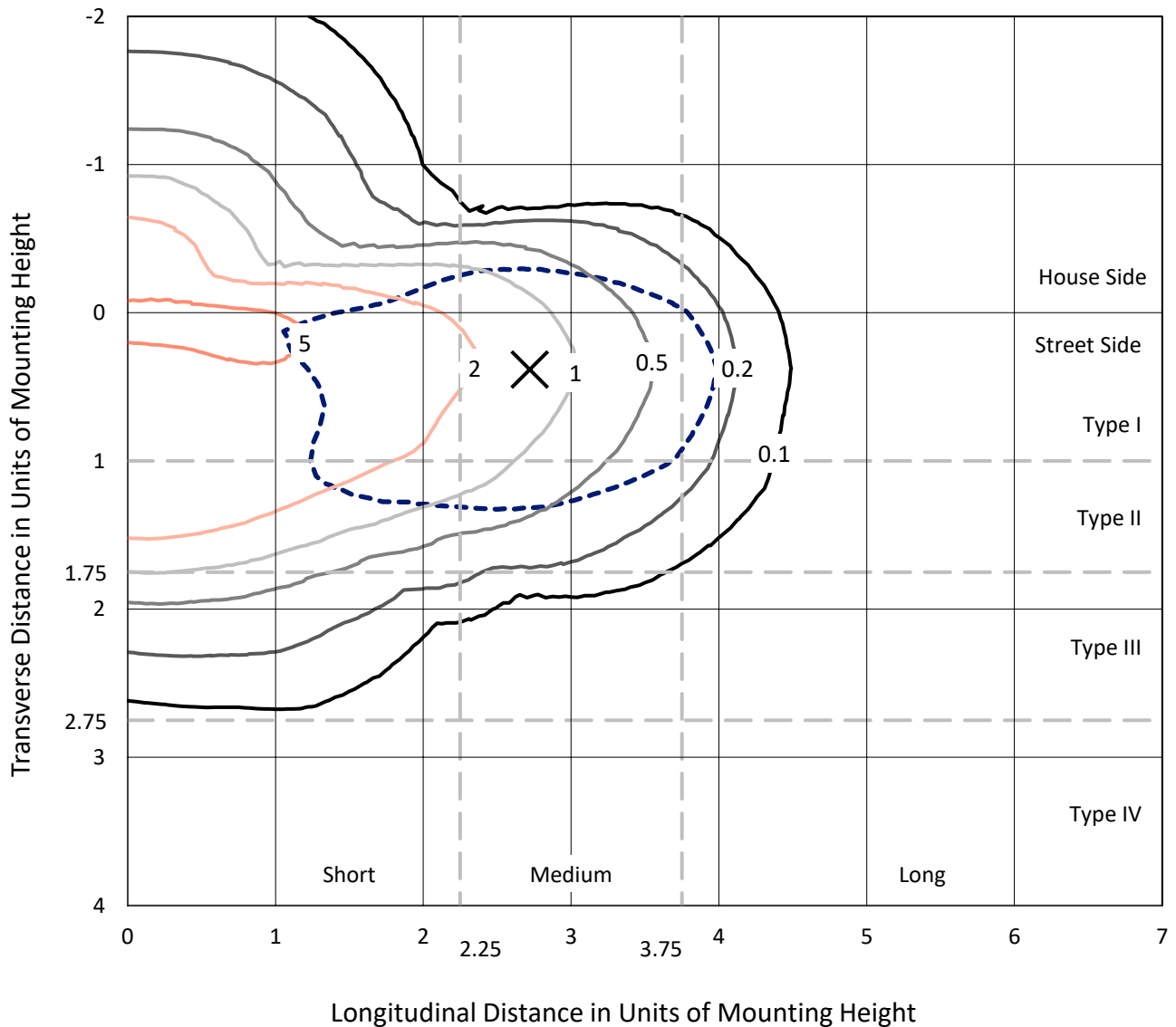
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P850586
 CATALOG NUMBER: GLAN-SB8A-930-U-T2

Iso-Footcandle Lines of Horizontal Illumination

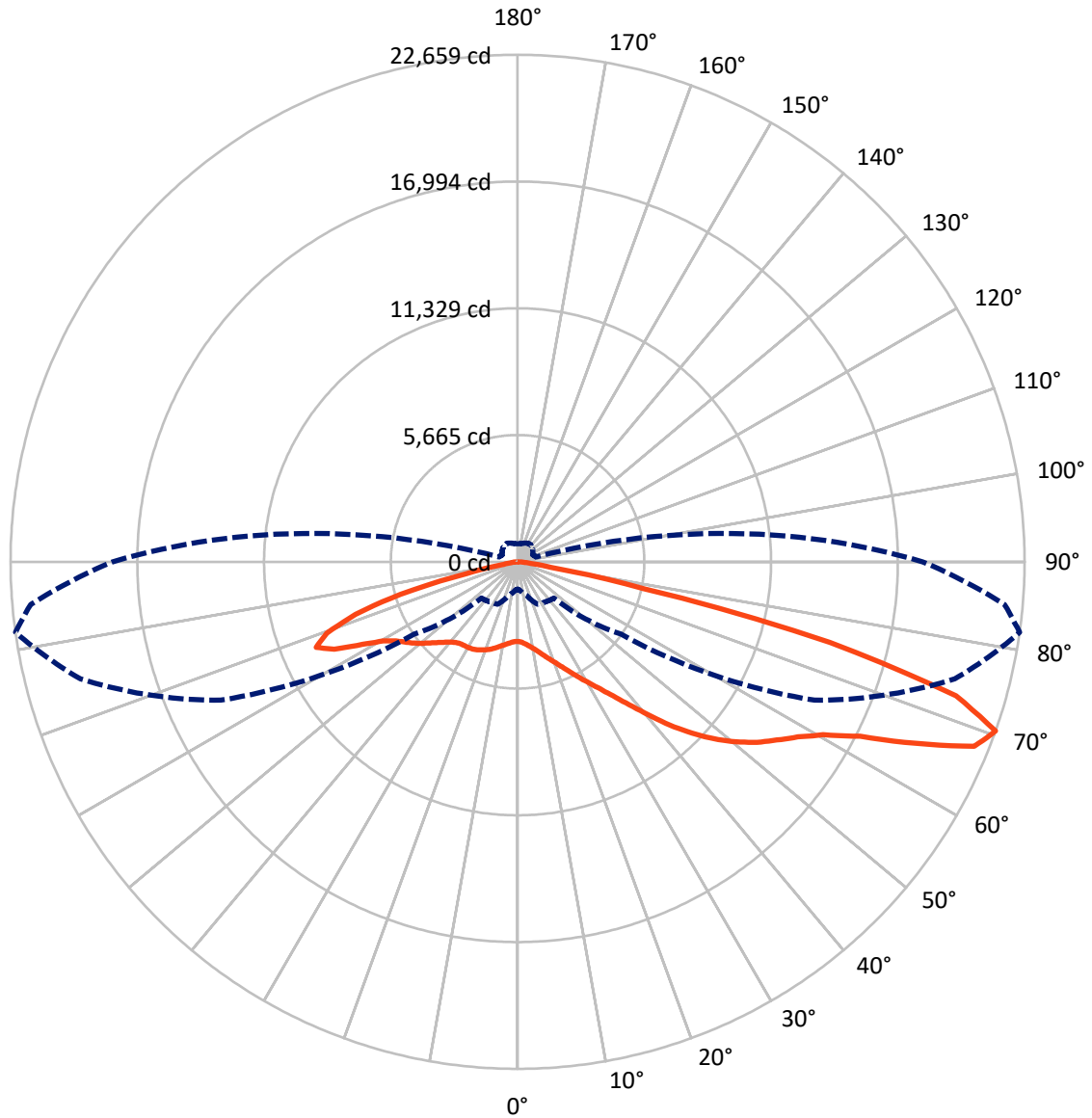
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 fc
 Type II - Medium - N/A

REPORT NUMBER: P850586
CATALOG NUMBER: GLAN-SB8A-930-U-T2

Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P850586
 CATALOG NUMBER: GLAN-SB8A-930-U-T2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5977.5	0.0	5977.5
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	18269.5	0.0	18269.5
	% Fixture	75.3	0.0	75.3
Total	Lumens	24247.0	0.0	24247.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	335.6	1.4
10°-20°	964.3	4.0
20°-30°	1613.2	6.7
30°-40°	2520.3	10.4
40°-50°	4013.8	16.6
50°-60°	5585.8	23.0
60°-70°	5843.0	24.1
70°-80°	3053.8	12.6
80°-90°	317.1	1.3
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°	24247.0	100.0
0°-180°	24247.0	100.0

Coefficient of Utilization

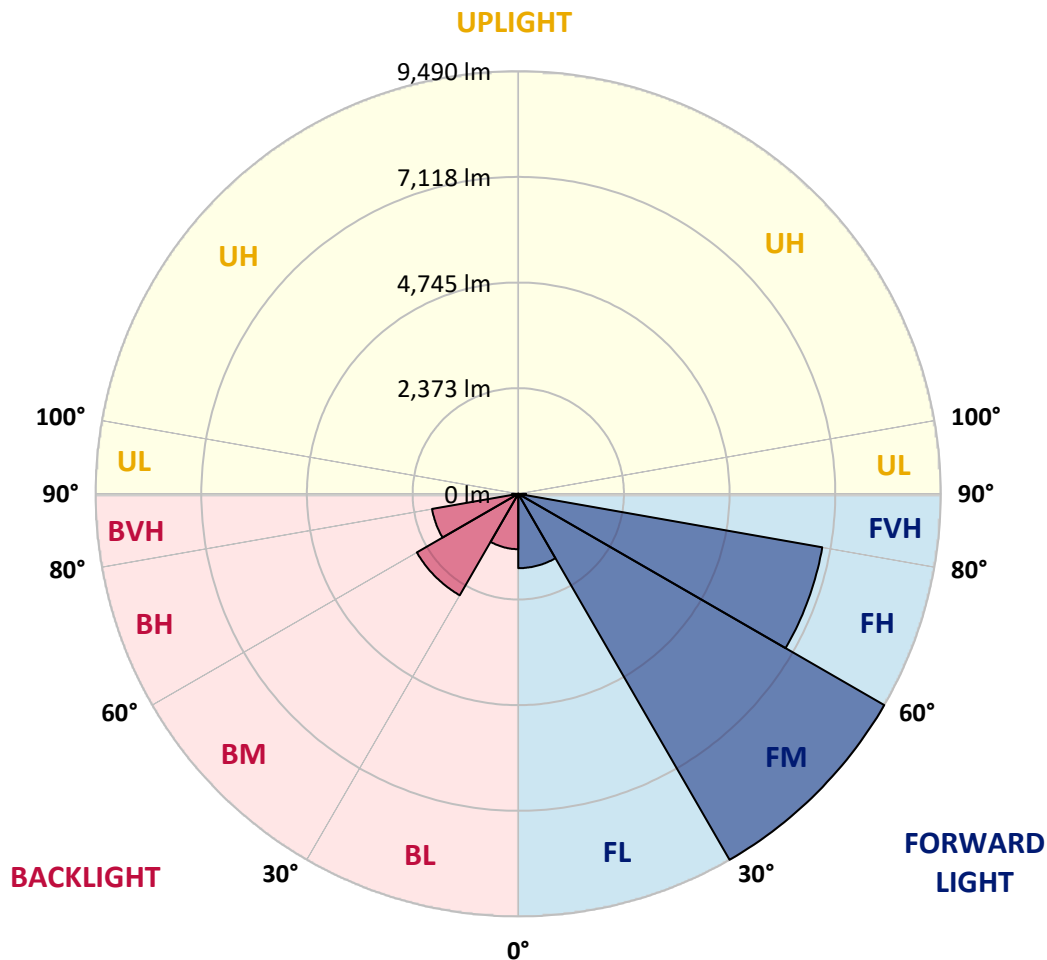


REPORT NUMBER: P850586
 CATALOG NUMBER: GLAN-SB8A-930-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1669.7	6.9			
FM (30°-60°)	9490.0	39.1			
FH (60°-80°)	6932.3	28.6			G3/7500
FVH (80°-90°)	177.5	0.7			G2/225
BL (0°-30°)	1243.5	5.1	B3/2500		
BM (30°-60°)	2629.9	10.8	B3/5000		
BH (60°-80°)	1964.5	8.1	B3/2500		G3/2500
BVH (80°-90°)	139.6	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
 Type II Medium



REPORT NUMBER: P850586
 CATALOG NUMBER: GLAN-SB8A-930-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3554.9	3554.9	3554.9	3554.9	3554.9	3554.9	3554.9	3554.9	3554.9	3554.9
2.5°	3639.8	3660.4	3654.0	3647.5	3647.5	3638.5	3637.3	3624.4	3614.1	3597.4
5°	3686.1	3708.0	3705.4	3710.6	3727.3	3731.2	3735.0	3727.3	3706.7	3686.1
7.5°	3645.0	3669.4	3677.1	3708.0	3759.5	3805.8	3840.5	3854.7	3835.4	3805.8
10°	3506.0	3533.0	3560.1	3633.4	3724.7	3834.1	3926.7	3982.1	3978.2	3949.9
12.5°	3224.3	3252.6	3310.5	3453.3	3620.5	3813.5	3985.9	4101.7	4141.6	4121.0
15°	2999.1	3023.5	3067.3	3214.0	3431.4	3724.7	4007.8	4233.0	4334.6	4323.0
17.5°	2992.7	3003.0	3030.0	3099.5	3266.7	3585.8	3984.6	4361.6	4555.9	4554.6
20°	3105.9	3109.7	3125.2	3139.3	3234.5	3480.3	3925.5	4468.4	4804.2	4804.2
22.5°	3262.9	3260.3	3275.7	3262.9	3309.2	3471.3	3888.1	4562.3	5080.8	5101.4
25°	3498.3	3485.4	3481.6	3452.0	3461.0	3554.9	3929.3	4669.1	5408.9	5451.4
27.5°	3812.2	3791.7	3777.5	3709.3	3686.1	3727.3	4055.4	4797.8	5774.3	5847.7
30°	4221.4	4184.1	4163.5	4045.1	3961.5	3967.9	4245.8	4968.9	6156.4	6274.8
32.5°	4779.8	4721.9	4666.5	4472.3	4319.2	4269.0	4491.6	5205.6	6570.7	6759.9
35°	5405.1	5358.7	5299.6	4999.8	4764.3	4648.5	4823.5	5536.3	7055.8	7355.6
37.5°	6007.2	5967.3	5995.6	5591.6	5288.0	5119.4	5258.4	5980.2	7654.1	8096.7
40°	6629.9	6599.0	6602.9	6216.9	5863.1	5674.0	5785.9	6537.3	8339.8	8978.0
42.5°	7306.7	7283.5	7206.3	6864.1	6466.5	6290.3	6393.2	7180.6	9075.8	9981.5
45°	8064.5	8050.3	7978.3	7585.9	7130.4	6932.3	7071.2	7890.8	9815.6	10925.9
47.5°	8719.4	8731.0	8722.0	8391.3	7919.1	7628.3	7794.3	8631.9	10503.9	11813.7
50°	9034.6	9095.1	9183.8	9080.9	8787.6	8491.6	8523.8	9347.2	11160.1	12646.1
52.5°	8869.9	8984.4	9226.3	9391.0	9504.2	9442.5	9356.3	10057.5	11777.7	13397.5
55°	8256.2	8417.0	8818.4	9216.0	9793.7	10242.7	10356.0	10844.9	12379.8	14058.8
57.5°	7138.1	7399.3	7759.6	8563.7	9536.4	10630.0	11521.6	11937.2	13018.0	14765.2
60°	5221.1	5571.0	6018.8	7215.3	8635.8	10422.9	12513.6	13614.9	13925.0	15680.0
62.5°	3341.3	3557.5	3969.2	5096.3	6729.0	9361.4	12817.2	15712.1	15462.5	17180.2
65°	2287.6	2426.6	2803.5	3436.5	4350.0	6968.3	12004.1	17284.4	17904.5	19557.8
67.5°	1662.3	1767.8	2089.5	2644.0	2834.4	4123.6	9315.1	17212.3	20278.3	22007.5
70°	1212.0	1286.6	1556.8	2089.5	2180.8	2294.0	5643.1	14631.4	20226.9	22658.6
72.5°	898.1	949.5	1130.9	1621.1	1765.2	1549.1	2793.2	10633.9	17380.9	20494.5
75°	649.7	688.3	822.1	1240.3	1412.7	1179.8	1393.4	6214.3	12123.8	14416.5
77.5°	496.6	526.2	613.7	908.3	1130.9	885.2	864.6	2858.9	5748.6	5776.9
80°	398.9	418.1	465.8	639.4	867.2	662.6	563.5	1154.1	1816.7	1537.5
82.5°	293.3	325.5	393.7	449.0	620.1	456.7	343.5	582.8	690.9	594.4
85°	167.3	189.1	238.0	321.7	396.3	279.2	196.9	258.6	321.7	263.8
87.5°	59.2	77.2	83.6	126.1	172.4	115.8	75.9	74.6	105.5	78.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P850586
 CATALOG NUMBER: GLAN-SB8A-930-U-T2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3554.9	0°	3554.9	3554.9	3554.9	3554.9	3554.9	3554.9	3554.9	3554.9	3554.9	3554.9
3593.5	2.5°	3580.6	3574.2	3548.5	3513.7	3477.7	3443.0	3431.4	3407.0	3390.2	3381.2
3677.1	5°	3652.7	3632.1	3571.6	3494.4	3413.4	3325.9	3264.1	3207.5	3166.4	3127.8
3791.7	7.5°	3755.6	3719.6	3615.4	3480.3	3336.2	3190.8	3082.7	3000.4	2945.1	2909.0
3925.5	10°	3875.3	3820.0	3660.4	3458.4	3235.8	3027.4	2900.0	2829.3	2794.5	2775.2
4078.6	12.5°	4012.9	3934.5	3706.7	3408.2	3082.7	2844.7	2757.2	2736.6	2737.9	2739.2
4271.6	15°	4182.8	4073.4	3744.0	3298.9	2883.3	2704.5	2689.0	2722.5	2757.2	2773.9
4490.3	17.5°	4374.5	4220.1	3750.5	3118.8	2687.7	2614.4	2663.3	2735.3	2788.1	2811.3
4734.7	20°	4580.3	4369.3	3704.2	2864.0	2526.9	2541.1	2628.6	2721.2	2779.1	2808.7
5013.9	22.5°	4815.8	4528.9	3593.5	2596.4	2395.7	2461.3	2564.2	2654.3	2714.8	2744.3
5342.0	25°	5084.7	4707.7	3419.8	2371.2	2282.5	2371.2	2474.2	2548.8	2597.7	2624.7
5708.7	27.5°	5383.2	4894.3	3188.2	2192.4	2183.4	2278.6	2363.5	2421.4	2447.1	2467.7
6098.5	30°	5683.0	5064.1	2907.7	2057.3	2097.2	2187.2	2247.7	2273.4	2281.2	2285.0
6533.4	32.5°	6007.2	5210.8	2613.1	1945.4	2014.8	2098.5	2134.5	2146.1	2110.0	2085.6
7060.9	35°	6399.6	5367.8	2324.9	1856.6	1933.8	2005.8	2017.4	2007.1	1964.7	1914.5
7722.3	37.5°	6884.7	5563.3	2094.6	1793.5	1857.9	1905.5	1891.3	1888.7	1892.6	1833.4
8517.4	40°	7479.1	5818.1	1926.1	1744.6	1796.1	1806.4	1766.5	1788.4	1807.7	1717.6
9389.7	42.5°	8139.1	6125.6	1819.3	1711.2	1744.6	1720.2	1658.4	1682.9	1680.3	1561.9
10265.9	45°	8812.0	6460.1	1782.0	1686.8	1697.0	1648.2	1580.0	1586.4	1532.4	1425.6
11106.0	47.5°	9481.1	6819.1	1805.1	1666.2	1637.9	1582.5	1529.8	1501.5	1421.7	1341.9
11911.5	50°	10137.2	7196.0	1890.0	1625.0	1556.8	1524.6	1486.0	1435.9	1350.9	1282.8
12673.1	52.5°	10745.8	7575.6	1985.2	1556.8	1455.2	1474.5	1450.0	1392.1	1308.5	1239.0
13393.6	55°	11322.2	7955.1	2022.6	1462.9	1360.0	1430.7	1416.6	1309.8	1209.4	1152.8
14147.6	57.5°	11950.1	8411.9	1981.4	1343.2	1282.8	1380.5	1326.5	1208.1	1150.2	1107.8
15129.3	60°	12819.8	9128.5	1892.6	1195.3	1209.4	1305.9	1213.3	1164.4	1101.3	1053.7
16601.2	62.5°	14264.7	10465.3	1749.8	1048.6	1123.2	1195.3	1159.2	1110.3	1046.0	999.7
19117.8	65°	16400.5	12323.2	1480.9	934.1	1026.7	1087.2	1101.3	1052.4	985.5	936.7
21323.0	67.5°	18201.7	13488.9	1120.6	838.9	927.6	999.7	1039.6	992.0	921.2	873.6
21839.0	70°	18102.7	12642.3	855.6	744.9	840.2	913.5	965.0	927.6	851.7	806.7
19837.0	72.5°	16078.8	10576.0	692.2	649.7	751.4	823.4	885.2	856.9	779.7	735.9
14532.3	75°	11812.4	7507.4	553.2	553.2	640.7	729.5	797.7	779.7	708.9	678.0
6101.1	77.5°	4979.2	3149.6	433.6	459.3	532.7	626.6	711.5	717.9	656.2	694.8
1613.4	80°	1323.9	868.5	330.7	361.5	418.1	517.2	618.9	616.3	549.4	513.4
599.6	82.5°	504.4	342.2	235.5	254.7	302.4	396.3	490.2	505.6	438.7	379.6
235.5	85°	194.3	146.7	145.4	153.1	176.3	262.5	370.5	383.4	330.7	280.5
65.6	87.5°	50.2	43.7	54.0	51.5	81.1	140.2	212.3	220.0	202.0	117.1
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°
3554.9
3391.5
3143.2
2916.8
2780.4
2741.8
2772.7
2816.4
2816.4
2752.1
2632.4
2475.4
2294.0
2093.3
1917.1
1837.3
1720.2
1560.7
1429.4
1341.9
1277.6
1240.3
1147.7
1103.9
1051.2
999.7
939.2
874.9
810.6
735.9
669.0
630.4
477.3
379.6
289.5
167.3
0.0

F REPORT)