

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: P848676

Luminaire Tested: **GLAN-SB5B-835-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848676  
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-SB5B-835-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 23336 lumens  
Efficiency: N/A  
Efficacy: 127.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

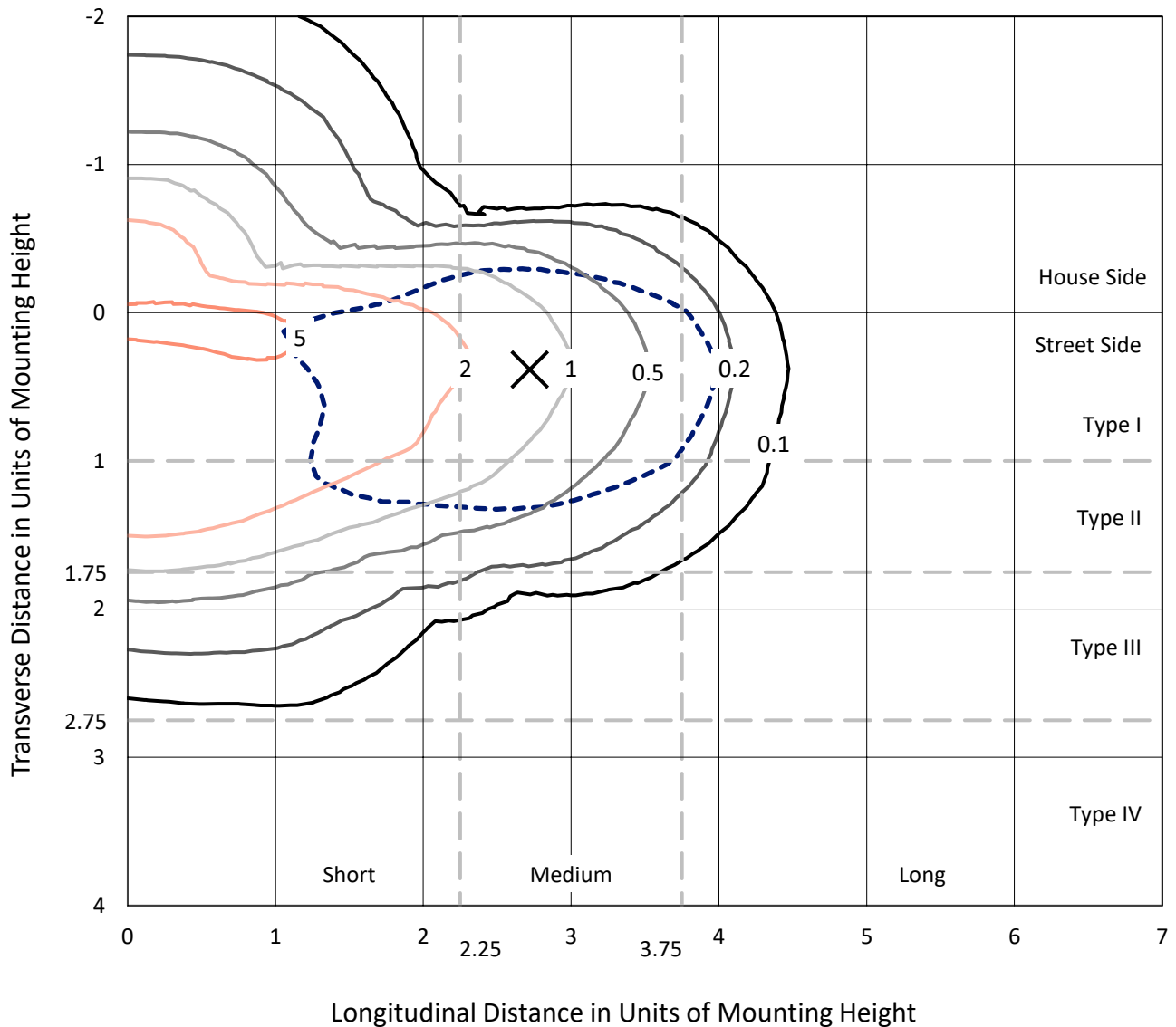
Input Watts (W): 182.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P848676  
 CATALOG NUMBER: GLAN-SB5B-835-U-T2

### Iso-Footcandle Lines of Horizontal Illumination

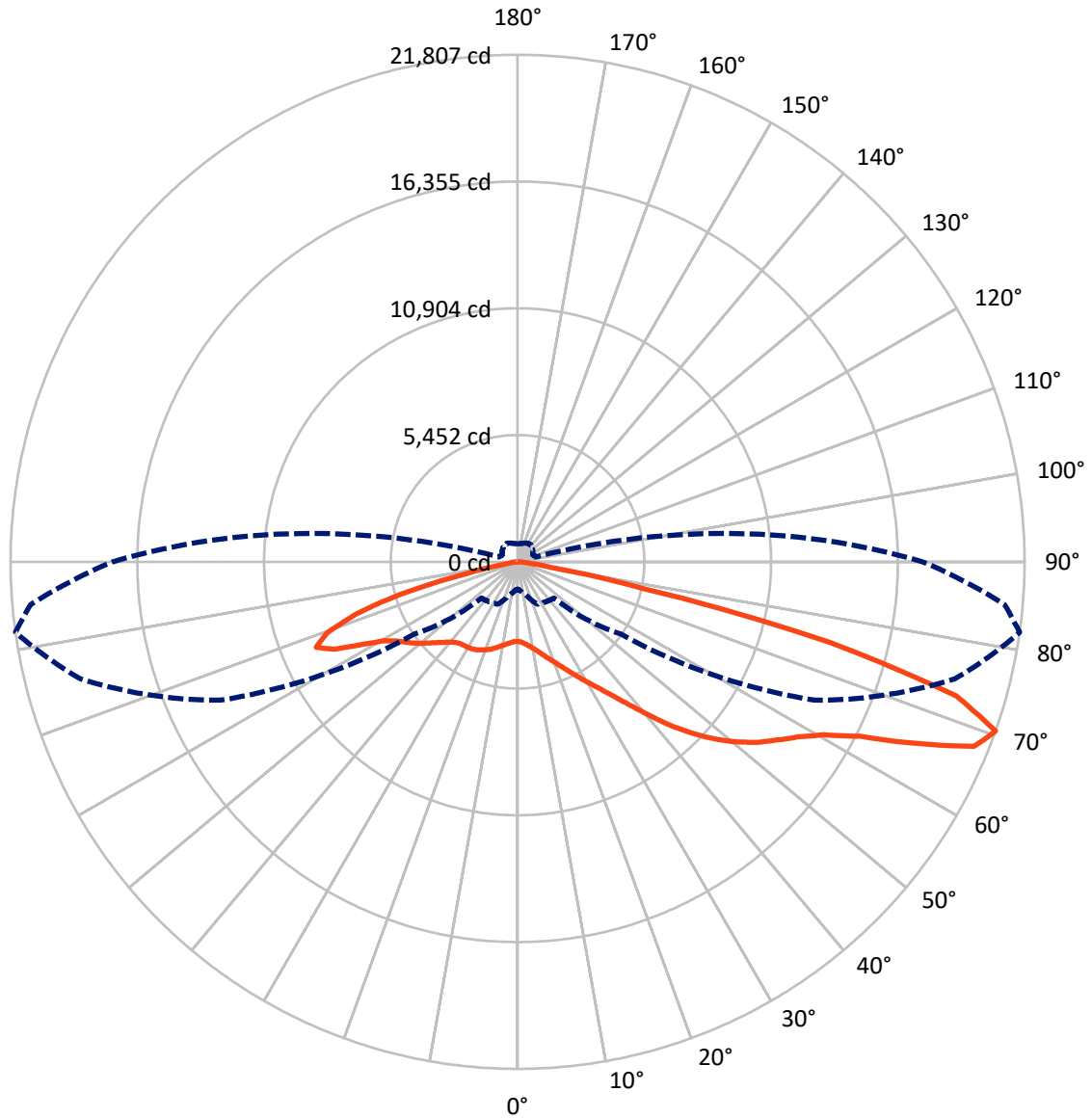
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc  
 Type II - Medium - N/A

REPORT NUMBER: P848676  
CATALOG NUMBER: GLAN-SB5B-835-U-T2

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P848676  
 CATALOG NUMBER: GLAN-SB5B-835-U-T2

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5752.9	0.0	5752.9
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	17583.1	0.0	17583.1
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	23336.0	0.0	23336.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	323.0	1.4
10°-20°	928.1	4.0
20°-30°	1552.6	6.7
30°-40°	2425.6	10.4
40°-50°	3863.0	16.6
50°-60°	5375.9	23.0
60°-70°	5623.4	24.1
70°-80°	2939.1	12.6
80°-90°	305.2	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°	23336.0	100.0
0°-180°	23336.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P848676

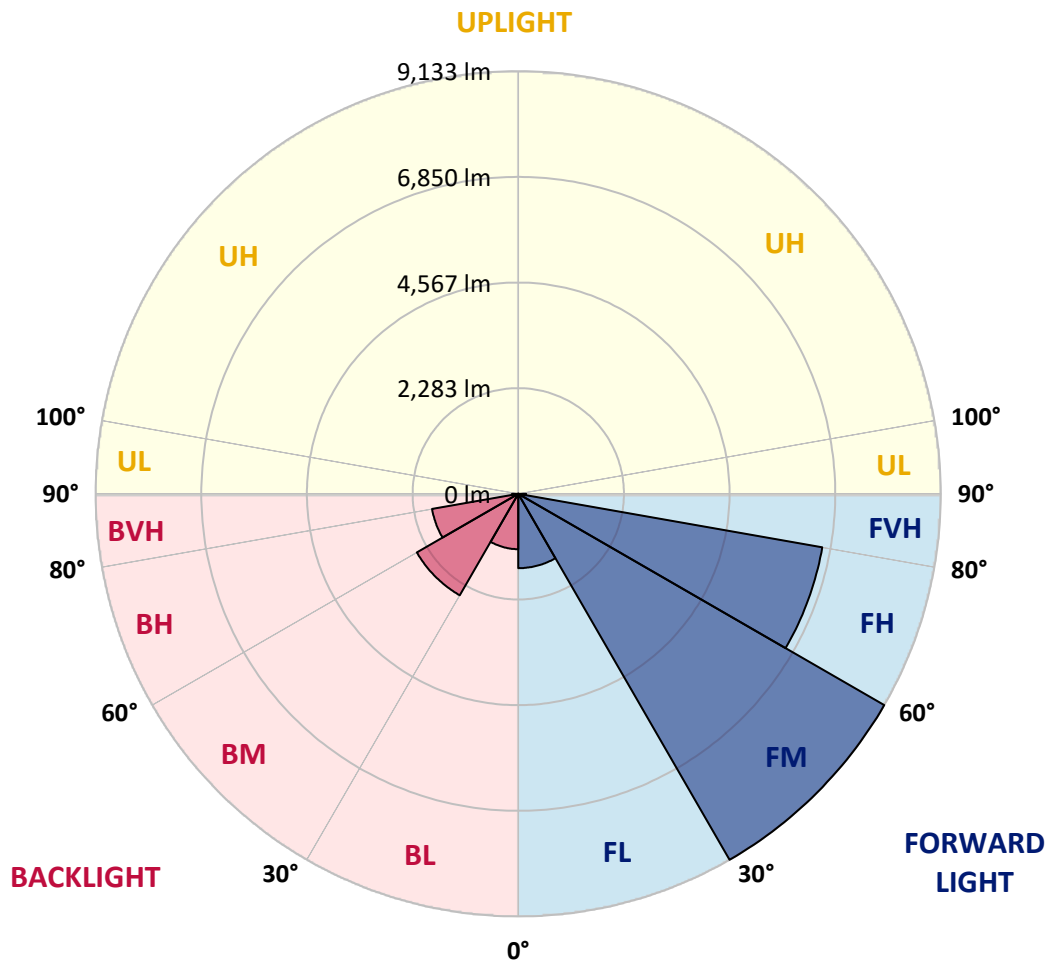
CATALOG NUMBER: GLAN-SB5B-835-U-T2

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1606.9	6.9			
FM (30°-60°)	9133.5	39.1			
FH (60°-80°)	6671.8	28.6			G3/7500
FVH (80°-90°)	170.8	0.7			G2/225
BL (0°-30°)	1196.8	5.1	B3/2500		
BM (30°-60°)	2531.1	10.8	B3/5000		
BH (60°-80°)	1890.7	8.1	B3/2500		G3/2500
BVH (80°-90°)	134.3	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: P848676

CATALOG NUMBER: GLAN-SB5B-835-U-T2

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3421.3	3421.3	3421.3	3421.3	3421.3	3421.3	3421.3	3421.3	3421.3	3421.3
2.5°	3503.1	3522.9	3516.7	3510.5	3510.5	3501.8	3500.6	3488.2	3478.3	3462.2
5°	3547.7	3568.7	3566.2	3571.2	3587.3	3591.0	3594.7	3587.3	3567.5	3547.7
7.5°	3508.0	3531.6	3539.0	3568.7	3618.2	3662.8	3696.2	3709.9	3691.3	3662.8
10°	3374.3	3400.3	3426.3	3496.9	3584.8	3690.1	3779.2	3832.5	3828.7	3801.5
12.5°	3103.1	3130.4	3186.1	3323.5	3484.5	3670.2	3836.2	3947.6	3986.0	3966.2
15°	2886.4	2909.9	2952.0	3093.2	3302.5	3584.8	3857.2	4073.9	4171.7	4160.6
17.5°	2880.2	2890.1	2916.1	2983.0	3144.0	3451.1	3834.9	4197.7	4384.7	4383.5
20°	2989.2	2992.9	3007.8	3021.4	3113.0	3349.5	3778.0	4300.5	4623.7	4623.7
22.5°	3140.3	3137.8	3152.6	3140.3	3184.8	3340.9	3742.1	4390.9	4889.9	4909.8
25°	3366.9	3354.5	3350.8	3322.3	3331.0	3421.3	3781.7	4493.7	5205.7	5246.6
27.5°	3669.0	3649.2	3635.6	3569.9	3547.7	3587.3	3903.0	4617.5	5557.4	5628.0
30°	4062.8	4026.9	4007.1	3893.1	3812.6	3818.8	4086.3	4782.2	5925.1	6039.1
32.5°	4600.2	4544.5	4491.2	4304.2	4156.9	4108.6	4322.8	5010.1	6323.9	6505.9
35°	5202.0	5157.4	5100.4	4811.9	4585.3	4473.9	4642.3	5328.3	6790.7	7079.2
37.5°	5781.5	5743.1	5770.4	5381.5	5089.3	4927.1	5060.8	5755.5	7366.5	7792.5
40°	6380.8	6351.1	6354.8	5983.3	5642.8	5460.8	5568.5	6291.7	8026.5	8640.7
42.5°	7032.2	7009.9	6935.6	6606.2	6223.6	6053.9	6153.0	6910.8	8734.8	9606.5
45°	7761.5	7747.9	7678.5	7300.9	6862.5	6671.8	6805.6	7594.3	9446.8	10515.4
47.5°	8391.8	8402.9	8394.3	8076.0	7621.6	7341.7	7501.5	8307.6	10109.3	11369.8
50°	8695.2	8753.4	8838.8	8739.7	8457.4	8172.6	8203.6	8996.1	10740.8	12171.0
52.5°	8536.7	8646.9	8879.7	9038.2	9147.1	9087.7	9004.7	9679.6	11335.2	12894.1
55°	7946.0	8100.8	8487.1	8869.8	9425.7	9857.9	9966.9	10437.4	11914.7	13530.6
57.5°	6869.9	7121.3	7468.0	8241.9	9178.1	10230.6	11088.7	11488.7	12528.9	14210.4
60°	5024.9	5361.7	5792.6	6944.2	8311.3	10031.3	12043.4	13103.4	13401.8	15090.8
62.5°	3215.8	3423.8	3820.1	4904.8	6476.2	9009.7	12335.7	15121.8	14881.6	16534.7
65°	2201.7	2335.4	2698.2	3307.4	4186.6	6706.5	11553.1	16635.0	17231.8	18823.0
67.5°	1599.8	1701.4	2011.0	2544.7	2727.9	3968.7	8965.1	16565.6	19516.4	21180.7
70°	1166.5	1238.3	1498.3	2011.0	2098.9	2207.8	5431.1	14081.6	19466.9	21807.2
72.5°	864.3	913.8	1088.4	1560.2	1698.9	1490.9	2688.3	10234.3	16727.8	19724.5
75°	625.3	662.5	791.3	1193.7	1359.6	1135.5	1341.1	5980.9	11668.3	13874.9
77.5°	478.0	506.5	590.7	874.2	1088.4	851.9	832.1	2751.4	5532.6	5559.8
80°	383.9	402.4	448.3	615.4	834.6	637.7	542.4	1110.7	1748.4	1479.7
82.5°	282.3	313.3	378.9	432.2	596.8	439.6	330.6	560.9	665.0	572.1
85°	161.0	182.0	229.1	309.6	381.4	268.7	189.5	248.9	309.6	253.8
87.5°	57.0	74.3	80.5	121.4	165.9	111.4	73.1	71.8	101.5	75.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P848676  
 CATALOG NUMBER: GLAN-SB5B-835-U-T2

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3421.3	0°	3421.3	3421.3	3421.3	3421.3	3421.3	3421.3	3421.3	3421.3	3421.3	3421.3
3458.5	2.5°	3446.1	3439.9	3415.2	3381.7	3347.1	3313.6	3302.5	3278.9	3262.9	3254.2
3539.0	5°	3515.5	3495.6	3437.4	3363.2	3285.1	3200.9	3141.5	3087.0	3047.4	3010.2
3649.2	7.5°	3614.5	3579.8	3479.5	3349.5	3210.8	3070.9	2966.9	2887.7	2834.4	2799.7
3778.0	10°	3729.7	3676.4	3522.9	3328.5	3114.3	2913.7	2791.1	2723.0	2689.5	2671.0
3925.3	12.5°	3862.2	3786.6	3567.5	3280.2	2966.9	2737.8	2653.6	2633.8	2635.0	2636.3
4111.1	15°	4025.6	3920.4	3603.4	3174.9	2775.0	2602.9	2588.0	2620.2	2653.6	2669.7
4321.6	17.5°	4210.1	4061.5	3609.6	3001.6	2586.8	2516.2	2563.2	2632.6	2683.3	2705.6
4556.8	20°	4408.3	4205.2	3565.0	2756.4	2432.0	2445.6	2529.8	2618.9	2674.7	2703.2
4825.6	22.5°	4634.9	4358.7	3458.5	2498.8	2305.7	2368.8	2467.9	2554.6	2612.8	2641.2
5141.3	25°	4893.7	4530.8	3291.3	2282.1	2196.7	2282.1	2381.2	2453.0	2500.1	2526.1
5494.2	27.5°	5180.9	4710.4	3068.4	2110.0	2101.3	2193.0	2274.7	2330.4	2355.2	2375.0
5869.4	30°	5469.5	4873.8	2798.5	1980.0	2018.4	2105.1	2163.3	2188.0	2195.5	2199.2
6288.0	32.5°	5781.5	5015.0	2514.9	1872.3	1939.1	2019.6	2054.3	2065.4	2030.8	2007.2
6795.6	35°	6159.2	5166.1	2237.6	1786.8	1861.1	1930.5	1941.6	1931.7	1890.8	1842.6
7432.1	37.5°	6626.0	5354.3	2015.9	1726.2	1788.1	1833.9	1820.3	1817.8	1821.5	1764.5
8197.4	40°	7198.1	5599.5	1853.7	1679.1	1728.6	1738.5	1700.1	1721.2	1739.8	1653.1
9036.9	42.5°	7833.3	5895.4	1750.9	1646.9	1679.1	1655.6	1596.1	1619.7	1617.2	1503.3
9880.2	45°	8480.9	6217.4	1715.0	1623.4	1633.3	1586.2	1520.6	1526.8	1474.8	1372.0
10688.8	47.5°	9124.8	6562.8	1737.3	1603.6	1576.3	1523.1	1472.3	1445.1	1368.3	1291.5
11463.9	50°	9756.4	6925.7	1819.0	1563.9	1498.3	1467.4	1430.2	1381.9	1300.2	1234.6
12197.0	52.5°	10342.1	7291.0	1910.7	1498.3	1400.5	1419.1	1395.5	1339.8	1259.3	1192.5
12890.4	55°	10896.8	7656.2	1946.6	1407.9	1308.9	1377.0	1363.3	1260.6	1164.0	1109.5
13616.1	57.5°	11501.1	8095.8	1906.9	1292.8	1234.6	1328.7	1276.7	1162.7	1107.0	1066.2
14560.9	60°	12338.2	8785.5	1821.5	1150.4	1164.0	1256.8	1167.7	1120.6	1060.0	1014.1
15977.4	62.5°	13728.7	10072.1	1684.1	1009.2	1081.0	1150.4	1115.7	1068.6	1006.7	962.1
18399.5	65°	15784.3	11860.2	1425.3	899.0	988.1	1046.3	1060.0	1012.9	948.5	901.5
20521.9	67.5°	17517.9	12982.1	1078.5	807.4	892.8	962.1	1000.5	954.7	886.6	840.8
21018.5	70°	17422.5	12167.3	823.5	717.0	808.6	879.2	928.7	892.8	819.7	776.4
19091.7	72.5°	15474.7	10178.6	666.2	625.3	723.2	792.5	851.9	824.7	750.4	708.3
13986.3	75°	11368.6	7225.3	532.5	532.5	616.7	702.1	767.7	750.4	682.3	652.6
5871.9	77.5°	4792.1	3031.3	417.3	442.1	512.6	603.0	684.8	691.0	631.5	668.7
1552.8	80°	1274.2	835.8	318.2	348.0	402.4	497.8	595.6	593.1	528.7	494.1
577.0	82.5°	485.4	329.4	226.6	245.2	291.0	381.4	471.8	486.6	422.3	365.3
226.6	85°	187.0	141.2	139.9	147.4	169.6	252.6	356.6	369.0	318.2	269.9
63.2	87.5°	48.3	42.1	52.0	49.5	78.0	135.0	204.3	211.7	194.4	112.7
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°
3421.3
3264.1
3025.1
2807.2
2675.9
2638.8
2668.5
2710.6
2710.6
2648.7
2533.5
2382.4
2207.8
2014.7
1845.0
1768.3
1655.6
1502.0
1375.7
1291.5
1229.6
1193.7
1104.5
1062.4
1011.7
962.1
903.9
842.0
780.1
708.3
643.9
606.8
459.4
365.3
278.6
161.0
0.0

F REPORT)