

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: McGRAW-EDISON

Report Number: P941757

Luminaire Tested: **GALN-SB5B-940-U-T3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P941757  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB5B-940-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

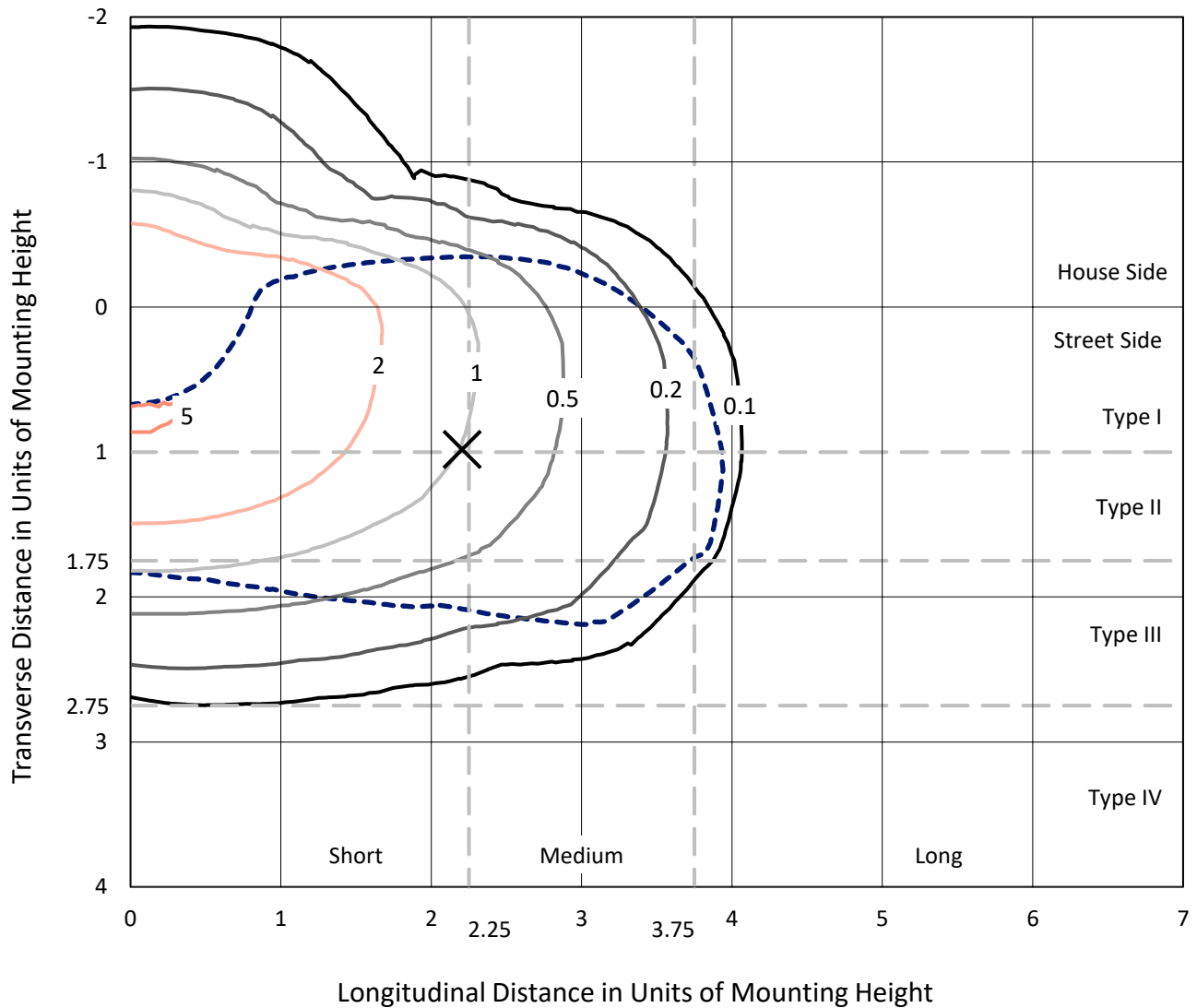
Lumens per Lamp: N/A  
Luminaire Lumens: 20626 lumens  
Efficiency: N/A  
Efficacy: 112.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 182.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
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: P941757  
 CATALOG NUMBER: GALN-SB5B-940-U-T3

### Iso-Footcandle Lines of Horizontal Illumination

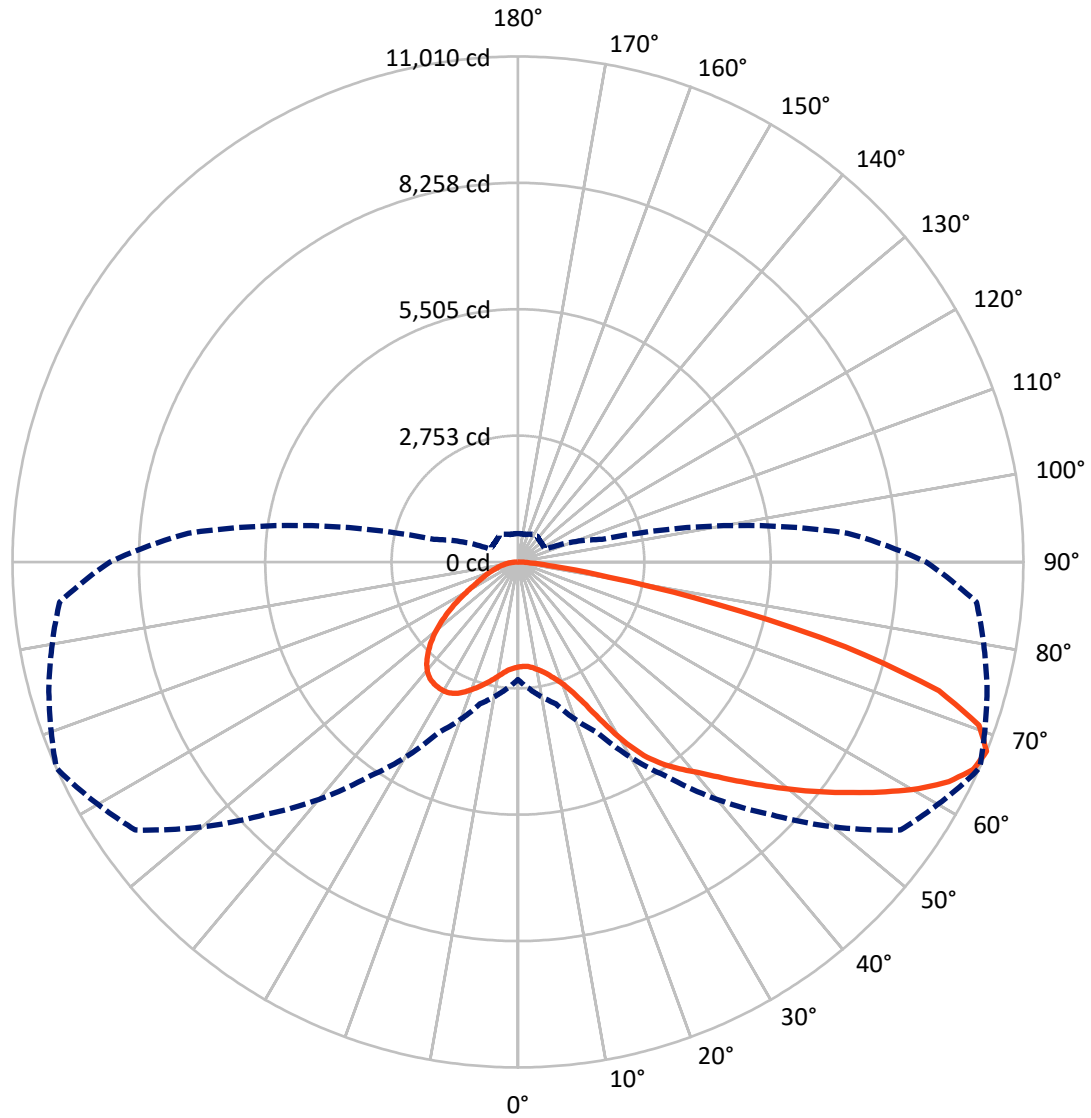
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 fc  
 Type III - Short - N/A

REPORT NUMBER: P941757  
CATALOG NUMBER: GALN-SB5B-940-U-T3

### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P941757  
 CATALOG NUMBER: GALN-SB5B-940-U-T3

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5128.6	0.0	5128.6
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	15497.4	0.0	15497.4
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	20626.0	0.0	20626.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	226.8	1.1
10°-20°	749.4	3.6
20°-30°	1444.4	7.0
30°-40°	2532.5	12.3
40°-50°	3765.0	18.3
50°-60°	4772.5	23.1
60°-70°	4669.8	22.6
70°-80°	2227.5	10.8
80°-90°	238.1	1.2
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°	20626.0	100.0
0°-180°	20626.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P941757

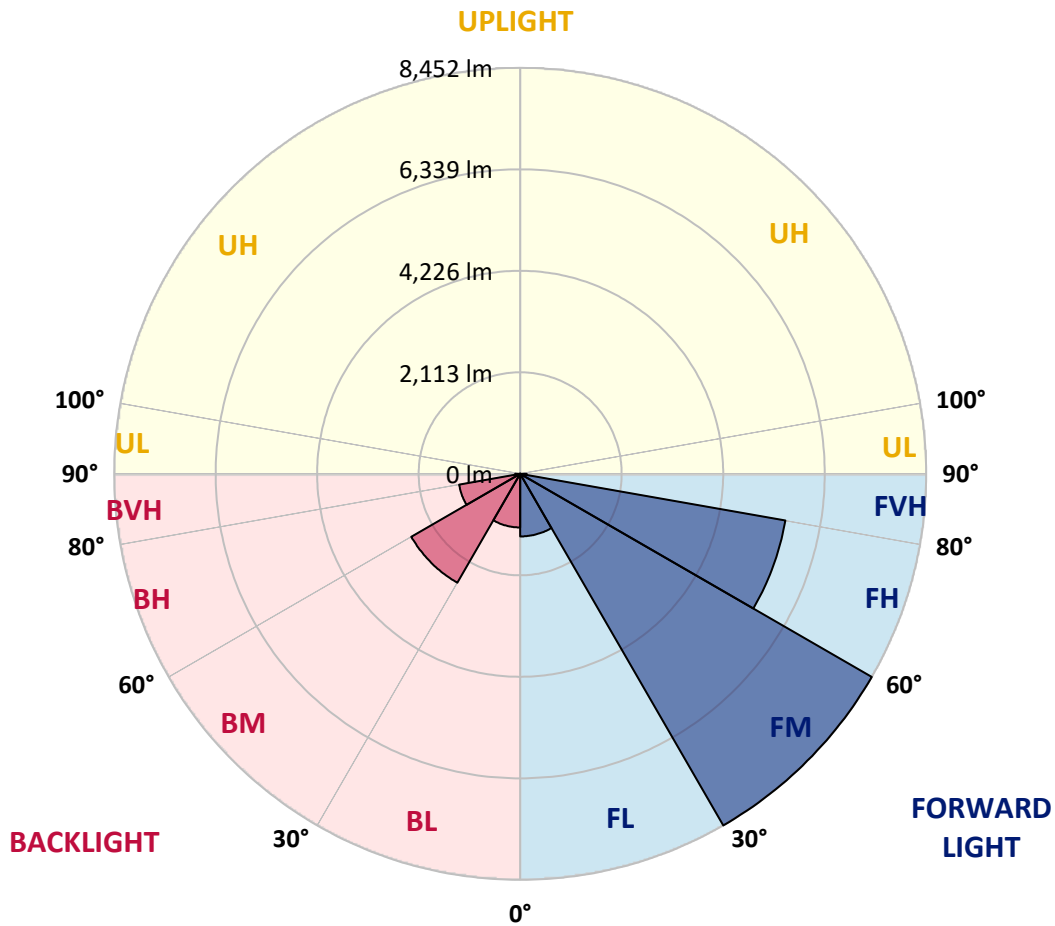
CATALOG NUMBER: GALN-SB5B-940-U-T3

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1303.4	6.3			
FM (30°-60°)	8452.4	41.0			
FH (60°-80°)	5606.7	27.2			G3/7500
FVH (80°-90°)	135.0	0.7			G2/225
BL (0°-30°)	1117.2	5.4	B3/2500		
BM (30°-60°)	2617.7	12.7	B3/5000		
BH (60°-80°)	1290.6	6.3	B3/2500		G3/2500
BVH (80°-90°)	103.1	0.5			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 III Short



REPORT NUMBER: P941757  
 CATALOG NUMBER: GALN-SB5B-940-U-T3

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	2287.7	2287.7	2287.7	2287.7	2287.7	2287.7	2287.7	2287.7	2287.7	2287.7
2.5°	2263.9	2276.9	2273.6	2268.2	2267.1	2269.3	2272.5	2275.8	2274.7	2280.1
5°	2257.4	2270.4	2269.3	2269.3	2273.6	2282.3	2287.7	2293.1	2287.7	2294.2
7.5°	2261.7	2271.4	2275.8	2280.1	2290.9	2307.2	2320.2	2332.1	2325.6	2333.2
10°	2317.0	2324.5	2328.9	2328.9	2336.5	2354.9	2367.9	2389.6	2384.1	2396.1
12.5°	2417.7	2425.3	2425.3	2421.0	2426.4	2438.3	2442.7	2466.5	2456.8	2476.3
15°	2541.3	2556.5	2544.5	2536.9	2539.1	2551.0	2550.0	2568.4	2558.6	2574.9
17.5°	2677.8	2697.3	2677.8	2676.7	2672.4	2685.4	2686.5	2702.8	2685.4	2697.3
20°	2839.3	2866.4	2850.1	2855.6	2845.8	2851.2	2856.6	2880.5	2853.4	2862.1
22.5°	3066.9	3099.4	3082.0	3102.6	3096.1	3091.8	3090.7	3133.0	3090.7	3094.0
25°	3398.5	3437.5	3407.2	3435.3	3435.3	3449.4	3465.7	3519.9	3449.4	3428.8
27.5°	3888.3	3927.3	3867.7	3885.1	3879.7	3914.3	3897.0	4031.4	3955.5	3921.9
30°	4477.9	4547.2	4434.5	4430.2	4424.8	4480.0	4505.0	4593.8	4516.9	4483.3
32.5°	5115.1	5187.7	5053.3	5014.3	4993.7	5027.3	5006.7	5078.2	5025.1	4973.1
35°	5789.1	5860.7	5732.8	5656.9	5574.6	5504.1	5430.4	5448.9	5399.0	5319.9
37.5°	6426.4	6557.5	6422.0	6340.7	6189.0	6051.4	5845.5	5759.9	5713.3	5640.7
40°	7075.5	7150.3	7047.3	6978.0	6813.2	6597.6	6268.1	6087.2	6024.3	5953.9
42.5°	7553.4	7624.9	7569.7	7522.0	7393.0	7142.7	6716.8	6490.3	6399.3	6320.2
45°	7932.7	7985.8	7951.1	7968.5	7913.2	7670.4	7181.7	6922.7	6828.4	6732.0
47.5°	8085.5	8141.9	8197.1	8300.1	8394.4	8215.5	7681.3	7390.9	7291.2	7192.5
50°	8068.2	8125.6	8286.0	8504.9	8797.5	8737.9	8208.0	7889.4	7797.2	7684.5
52.5°	7929.5	7994.5	8200.4	8564.5	9030.5	9129.1	8744.4	8404.1	8317.4	8183.0
55°	7565.3	7604.3	7913.2	8429.0	9085.8	9402.2	9270.0	8952.5	8865.8	8678.3
57.5°	6890.2	6946.5	7396.3	8063.8	8947.0	9587.5	9731.6	9529.0	9445.6	9175.7
60°	6009.1	6099.1	6613.8	7450.5	8593.8	9586.4	10151.0	10095.8	10026.4	9665.5
62.5°	5012.1	5116.2	5611.4	6583.5	7976.1	9314.4	10413.3	10570.4	10534.7	10117.4
65°	3849.3	3920.8	4413.9	5461.9	7014.8	8730.3	10443.6	10894.5	10901.0	10461.0
67.5°	2563.0	2768.9	3196.9	4098.6	5727.4	7775.6	10177.1	10947.6	11010.4	10579.1
70°	1250.6	1521.5	1940.9	2663.7	4098.6	6311.5	9480.2	10511.9	10651.7	10234.5
72.5°	519.1	606.9	835.5	1314.5	2352.7	4259.0	8080.1	9330.7	9589.7	9068.4
75°	350.0	379.3	477.9	674.1	1071.8	2100.2	5827.1	6957.4	7374.6	6849.0
77.5°	269.8	288.3	347.9	471.4	637.2	794.4	3118.9	4192.8	4408.5	4081.2
80°	212.4	226.5	260.1	343.5	451.9	424.8	1063.1	1899.7	2024.4	1698.2
82.5°	184.2	189.6	186.4	233.0	300.2	248.2	349.0	701.2	773.8	561.4
85°	133.3	148.5	155.0	144.1	159.3	125.7	143.0	248.2	273.1	243.8
87.5°	54.2	80.2	98.6	93.2	58.5	35.8	44.4	72.6	83.4	91.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P941757  
 CATALOG NUMBER: GALN-SB5B-940-U-T3

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2287.7	0°	2287.7	2287.7	2287.7	2287.7	2287.7	2287.7	2287.7	2287.7	2287.7	2287.7
2288.8	2.5°	2289.9	2297.4	2302.9	2309.4	2313.7	2320.2	2333.2	2340.8	2341.9	2347.3
2306.1	5°	2310.5	2321.3	2333.2	2350.6	2370.1	2386.3	2411.2	2428.6	2435.1	2440.5
2348.4	7.5°	2354.9	2370.1	2391.7	2422.1	2450.3	2471.9	2502.3	2522.9	2543.4	2551.0
2415.6	10°	2421.0	2442.7	2474.1	2515.3	2545.6	2573.8	2605.2	2622.6	2643.2	2651.8
2495.8	12.5°	2503.4	2526.1	2567.3	2624.7	2652.9	2672.4	2683.2	2678.9	2683.2	2690.8
2592.2	15°	2597.6	2622.6	2669.2	2730.9	2750.4	2733.1	2709.3	2687.6	2684.3	2686.5
2709.3	17.5°	2709.3	2727.7	2781.9	2833.9	2819.8	2748.3	2696.3	2661.6	2644.2	2638.8
2858.8	20°	2865.3	2865.3	2909.7	2942.3	2848.0	2726.6	2645.3	2589.0	2553.2	2538.0
3062.5	22.5°	3055.0	3037.6	3065.8	3043.0	2842.6	2665.9	2553.2	2455.7	2401.5	2379.8
3347.6	25°	3295.5	3274.9	3267.4	3126.5	2803.5	2569.5	2386.3	2268.2	2220.5	2208.6
3758.3	27.5°	3658.6	3606.6	3507.9	3172.0	2732.0	2417.7	2191.2	2081.8	2054.7	2055.8
4286.0	30°	4141.9	4037.9	3796.2	3179.6	2615.0	2203.2	1991.8	1913.8	1900.8	1906.2
4729.3	32.5°	4589.5	4490.9	4091.0	3144.9	2435.1	1992.9	1813.0	1761.0	1741.5	1748.0
5067.4	35°	4940.6	4913.5	4364.1	3096.1	2214.0	1795.7	1652.6	1608.2	1570.3	1561.6
5386.0	37.5°	5272.2	5261.4	4568.9	3027.9	1995.1	1655.9	1523.7	1465.2	1409.9	1379.6
5738.2	40°	5636.3	5625.5	4703.3	2922.7	1801.1	1534.5	1407.7	1330.8	1262.5	1207.2
6137.0	42.5°	6046.0	5982.0	4767.2	2772.1	1636.4	1431.6	1313.4	1209.4	1119.5	1068.5
6587.8	45°	6493.5	6349.4	4766.1	2580.3	1497.7	1337.3	1212.7	1065.3	981.8	934.2
7050.6	47.5°	6968.2	6700.5	4707.6	2367.9	1363.3	1233.3	1056.6	943.9	888.6	859.4
7553.4	50°	7458.0	7028.9	4607.9	2124.1	1225.7	1115.1	959.1	882.1	839.9	812.8
8051.9	52.5°	7918.6	7326.9	4487.6	1847.7	1085.9	1000.3	915.7	856.1	811.7	781.3
8535.2	55°	8346.7	7583.8	4317.5	1564.9	972.1	923.3	895.1	845.3	794.4	758.6
9026.2	57.5°	8727.1	7750.6	4023.8	1299.4	890.8	870.2	873.5	826.9	768.3	738.0
9509.5	60°	9043.5	7873.1	3589.2	1053.4	824.7	818.2	839.9	792.2	723.9	689.2
9918.0	62.5°	9233.1	7870.9	3056.0	862.6	768.3	770.5	795.4	748.8	679.5	647.0
10131.5	65°	9216.9	7678.0	2470.8	738.0	714.2	716.3	748.8	701.2	642.6	623.1
10024.2	67.5°	8890.7	7207.7	1895.4	656.7	654.6	664.3	702.2	668.6	619.9	617.7
9384.9	70°	8007.5	6231.3	1365.5	591.7	592.8	606.9	656.7	648.1	608.0	612.3
7890.4	72.5°	6420.9	4751.0	916.8	523.4	524.5	547.3	613.4	631.8	596.0	653.5
5598.4	75°	4276.3	2962.8	589.5	450.8	451.9	481.2	575.4	600.4	563.5	651.3
2913.0	77.5°	2054.7	1331.9	427.0	379.3	379.3	406.4	497.4	537.5	480.1	506.1
936.3	80°	709.8	500.7	335.9	305.6	299.1	317.5	419.4	466.0	414.0	381.5
305.6	82.5°	279.6	260.1	269.8	237.3	215.7	227.6	326.2	384.7	304.5	275.3
172.3	85°	160.4	169.1	190.7	157.1	124.6	139.8	239.5	276.3	229.7	202.7
56.4	87.5°	43.3	59.6	87.8	81.3	56.4	59.6	113.8	152.8	132.2	101.9
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>
2287.7
2346.2
2439.4
2552.1
2656.2
2693.0
2694.1
2646.4
2534.8
2376.6
2210.8
2059.0
1924.7
1756.7
1568.1
1380.6
1212.7
1071.8
932.0
852.9
803.0
768.3
744.5
718.5
674.1
637.2
622.0
621.0
611.2
662.1
656.7
463.8
357.6
274.2
207.0
105.1
0.0

F REPORT)