

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: P942407

Luminaire Tested: **GALN-SB6B-927-U-T3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942407  
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-SB6B-927-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

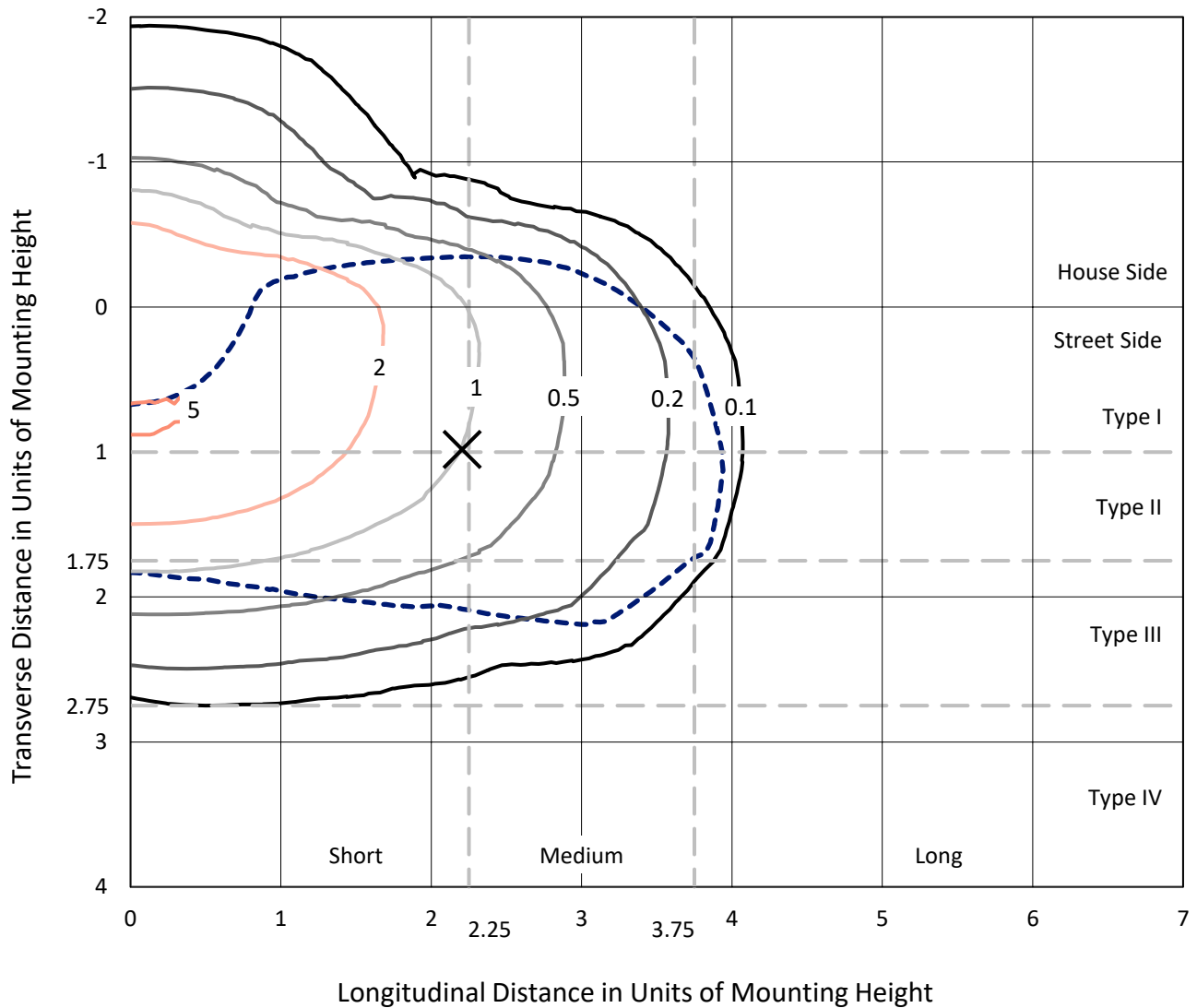
Lumens per Lamp: N/A  
Luminaire Lumens: 20799 lumens  
Efficiency: N/A  
Efficacy: 94.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
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: P942407  
 CATALOG NUMBER: GALN-SB6B-927-U-T3

### Iso-Footcandle Lines of Horizontal Illumination

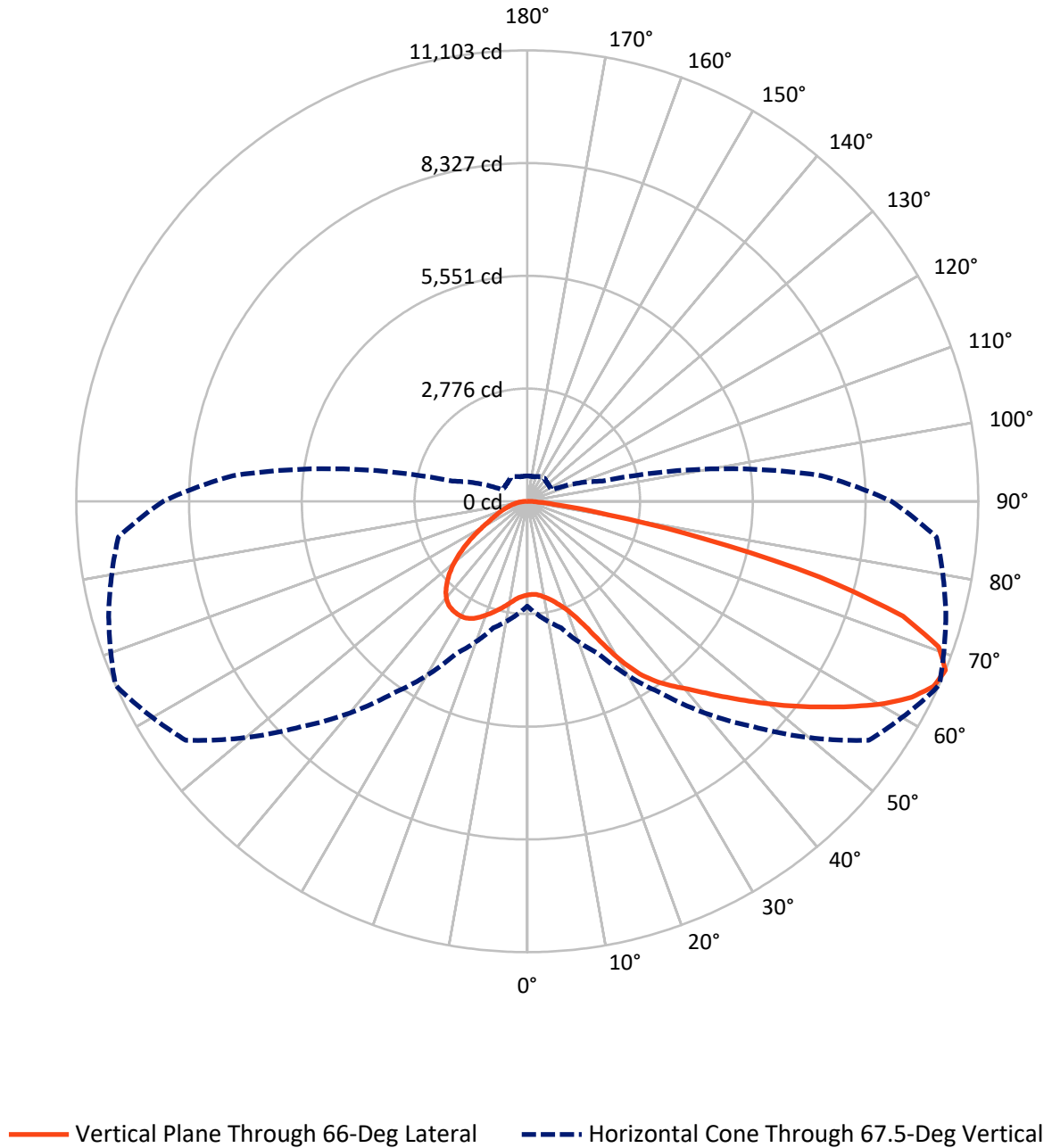
✕ Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P942407  
CATALOG NUMBER: GALN-SB6B-927-U-T3

### Luminous Intensity Polar Plot



REPORT NUMBER: P942407  
 CATALOG NUMBER: GALN-SB6B-927-U-T3

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5171.6	0.0	5171.6
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	15627.4	0.0	15627.4
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	20799.0	0.0	20799.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	228.7	1.1
10°-20°	755.7	3.6
20°-30°	1456.5	7.0
30°-40°	2553.8	12.3
40°-50°	3796.6	18.3
50°-60°	4812.6	23.1
60°-70°	4709.0	22.6
70°-80°	2246.2	10.8
80°-90°	240.1	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°	20799.0	100.0
0°-180°	20799.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P942407

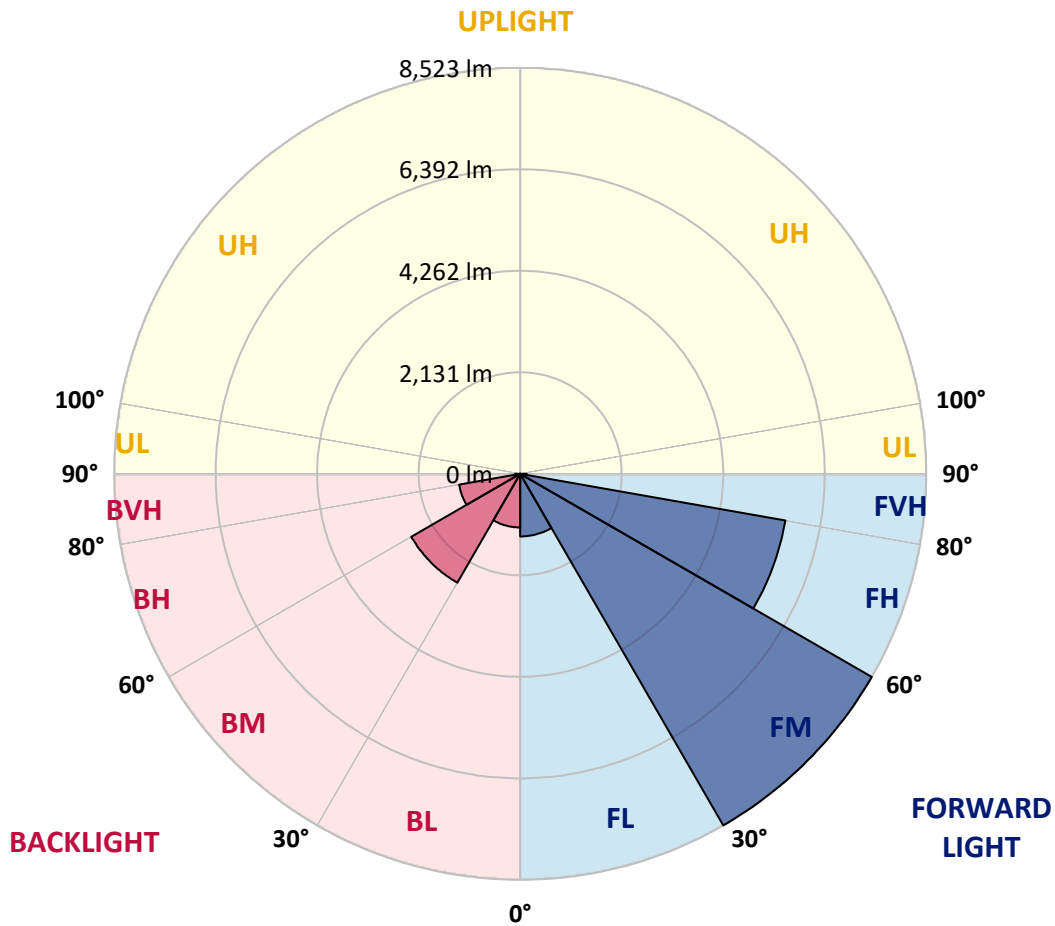
CATALOG NUMBER: GALN-SB6B-927-U-T3

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1314.3	6.3			
FM	(30°-60°)	8523.3	41.0			
FH	(60°-80°)	5653.7	27.2			G3/7500
FVH	(80°-90°)	136.1	0.7			G2/225
BL	(0°-30°)	1126.6	5.4	B3/2500		
BM	(30°-60°)	2639.7	12.7	B3/5000		
BH	(60°-80°)	1301.4	6.3	B3/2500		G3/2500
BVH	(80°-90°)	104.0	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: P942407

CATALOG NUMBER: GALN-SB6B-927-U-T3

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	2306.9	2306.9	2306.9	2306.9	2306.9	2306.9	2306.9	2306.9	2306.9	2306.9
2.5°	2282.8	2296.0	2292.7	2287.2	2286.1	2288.3	2291.6	2294.9	2293.8	2299.2
5°	2276.3	2289.4	2288.3	2288.3	2292.7	2301.4	2306.9	2312.3	2306.9	2313.4
7.5°	2280.7	2290.5	2294.9	2299.2	2310.2	2326.6	2339.7	2351.7	2345.1	2352.8
10°	2336.4	2344.0	2348.4	2348.4	2356.1	2374.6	2387.8	2409.6	2404.1	2416.2
12.5°	2438.0	2445.7	2445.7	2441.3	2446.8	2458.8	2463.2	2487.2	2477.4	2497.0
15°	2562.6	2577.9	2565.9	2558.2	2560.4	2572.4	2571.3	2589.9	2580.1	2596.5
17.5°	2700.3	2720.0	2700.3	2699.2	2694.8	2707.9	2709.0	2725.4	2707.9	2720.0
20°	2863.1	2890.4	2874.0	2879.5	2869.7	2875.1	2880.6	2904.6	2877.3	2886.1
22.5°	3092.6	3125.4	3107.9	3128.7	3122.1	3117.7	3116.6	3159.3	3116.6	3119.9
25°	3427.0	3466.3	3435.7	3464.2	3464.2	3478.4	3494.7	3549.4	3478.4	3457.6
27.5°	3920.9	3960.3	3900.2	3917.7	3912.2	3947.2	3929.7	4065.2	3988.7	3954.8
30°	4515.4	4585.4	4471.7	4467.3	4461.9	4517.6	4542.7	4632.3	4554.8	4520.9
32.5°	5158.0	5231.2	5095.7	5056.3	5035.6	5069.5	5048.7	5120.8	5067.3	5014.8
35°	5837.7	5909.8	5780.9	5704.4	5621.3	5550.3	5476.0	5494.6	5444.3	5364.5
37.5°	6480.3	6612.5	6475.9	6393.9	6240.9	6102.2	5894.5	5808.2	5761.2	5688.0
40°	7134.8	7210.2	7106.4	7036.5	6870.4	6652.9	6320.7	6138.2	6074.8	6003.8
42.5°	7616.8	7688.9	7633.2	7585.1	7455.0	7202.6	6773.1	6544.7	6452.9	6373.2
45°	7999.2	8052.8	8017.8	8035.3	7979.6	7734.8	7241.9	6980.8	6885.7	6788.4
47.5°	8153.3	8210.1	8265.9	8369.7	8464.8	8284.5	7745.7	7452.8	7352.3	7252.9
50°	8135.8	8193.8	8355.5	8576.2	8871.3	8811.2	8276.8	7955.5	7862.6	7749.0
52.5°	7996.0	8061.5	8269.2	8636.3	9106.2	9205.7	8817.7	8474.6	8387.2	8251.7
55°	7628.8	7668.1	7979.6	8499.7	9162.0	9481.1	9347.7	9027.6	8940.1	8751.1
57.5°	6948.0	7004.8	7458.3	8131.5	9022.1	9667.9	9813.3	9608.9	9524.8	9252.7
60°	6059.5	6150.2	6669.3	7512.9	8665.8	9666.8	10236.2	10180.5	10110.5	9746.6
62.5°	5054.2	5159.1	5658.5	6638.7	8042.9	9392.5	10500.6	10659.1	10623.0	10202.3
65°	3881.6	3953.7	4450.9	5507.7	7073.6	8803.5	10531.2	10985.8	10992.4	10548.7
67.5°	2584.5	2792.1	3223.7	4132.9	5775.4	7840.8	10262.4	11039.4	11102.8	10667.8
70°	1261.1	1534.3	1957.2	2686.1	4132.9	6364.4	9559.7	10600.1	10741.1	10320.3
72.5°	523.4	612.0	842.5	1325.6	2372.5	4294.7	8147.9	9408.9	9670.1	9144.5
75°	353.0	382.5	481.9	679.7	1080.8	2117.8	5875.9	7015.7	7436.4	6906.4
77.5°	272.1	290.7	350.8	475.4	642.6	801.0	3145.1	4228.0	4445.5	4115.5
80°	214.2	228.4	262.3	346.4	455.7	428.4	1072.0	1915.7	2041.3	1712.4
82.5°	185.8	191.2	188.0	235.0	302.7	250.2	351.9	707.0	780.3	566.1
85°	134.4	149.7	156.3	145.3	160.6	126.8	144.2	250.2	275.4	245.9
87.5°	54.6	80.9	99.4	94.0	59.0	36.1	44.8	73.2	84.1	91.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P942407  
 CATALOG NUMBER: GALN-SB6B-927-U-T3

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2306.9	0°	2306.9	2306.9	2306.9	2306.9	2306.9	2306.9	2306.9	2306.9	2306.9	2306.9
2308.0	2.5°	2309.1	2316.7	2322.2	2328.7	2333.1	2339.7	2352.8	2360.4	2361.5	2367.0
2325.5	5°	2329.8	2340.8	2352.8	2370.3	2389.9	2406.3	2431.5	2448.9	2455.5	2461.0
2368.1	7.5°	2374.6	2389.9	2411.8	2442.4	2470.8	2492.7	2523.3	2544.0	2564.8	2572.4
2435.8	10°	2441.3	2463.2	2494.8	2536.4	2567.0	2595.4	2627.1	2644.6	2665.3	2674.1
2516.7	12.5°	2524.3	2547.3	2588.8	2646.7	2675.2	2694.8	2705.8	2701.4	2705.8	2713.4
2614.0	15°	2619.4	2644.6	2691.5	2753.8	2773.5	2756.0	2732.0	2710.1	2706.8	2709.0
2732.0	17.5°	2732.0	2750.6	2805.2	2857.7	2843.4	2771.3	2718.9	2683.9	2666.4	2660.9
2882.8	20°	2889.3	2889.3	2934.1	2966.9	2871.9	2749.5	2667.5	2610.7	2574.6	2559.3
3088.2	22.5°	3080.6	3063.1	3091.5	3068.6	2866.4	2688.3	2574.6	2476.3	2421.6	2399.8
3375.6	25°	3323.2	3302.4	3294.8	3152.7	2827.1	2591.0	2406.3	2287.2	2239.1	2227.1
3789.8	27.5°	3689.3	3636.8	3537.4	3198.6	2754.9	2438.0	2209.6	2099.3	2071.9	2073.0
4322.0	30°	4176.7	4071.7	3828.1	3206.3	2636.9	2221.6	2008.6	1929.9	1916.8	1922.2
4768.9	32.5°	4628.0	4528.5	4125.3	3171.3	2455.5	2009.6	1828.2	1775.8	1756.1	1762.7
5109.9	35°	4982.0	4954.7	4400.7	3122.1	2232.6	1810.8	1666.5	1621.7	1583.5	1574.7
5431.2	37.5°	5316.4	5305.5	4607.2	3053.3	2011.8	1669.8	1536.5	1477.5	1421.7	1391.1
5786.3	40°	5683.6	5672.7	4742.7	2947.3	1816.2	1547.4	1419.5	1341.9	1273.1	1217.4
6188.5	42.5°	6096.7	6032.2	4807.2	2795.4	1650.1	1443.6	1324.5	1219.6	1128.9	1077.5
6643.1	45°	6548.0	6402.7	4806.1	2601.9	1510.2	1348.5	1222.8	1074.2	990.1	942.0
7109.7	47.5°	7026.7	6756.7	4747.1	2387.8	1374.7	1243.6	1065.5	951.8	896.1	866.6
7616.8	50°	7520.6	7087.8	4646.6	2141.9	1235.9	1124.5	967.1	889.5	846.9	819.6
8119.4	52.5°	7985.0	7388.4	4525.3	1863.2	1095.0	1008.6	923.4	863.3	818.5	787.9
8606.8	55°	8416.7	7647.4	4353.7	1578.0	980.2	931.1	902.6	852.4	801.0	765.0
9101.9	57.5°	8800.3	7815.6	4057.5	1310.3	898.3	877.5	880.8	833.8	774.8	744.2
9589.3	60°	9119.3	7939.1	3619.3	1062.2	831.6	825.1	846.9	798.8	730.0	695.0
10001.2	62.5°	9310.6	7936.9	3081.7	869.9	774.8	777.0	802.1	755.1	685.2	652.4
10216.5	65°	9294.2	7742.4	2491.6	744.2	720.1	722.3	755.1	707.0	648.0	628.4
10108.3	67.5°	8965.3	7268.2	1911.3	662.2	660.0	669.9	708.1	674.3	625.1	622.9
9463.6	70°	8074.6	6283.6	1376.9	596.7	597.8	612.0	662.2	653.5	613.1	617.4
7956.6	72.5°	6474.8	4790.8	924.5	527.8	528.9	551.9	618.5	637.1	601.0	659.0
5645.4	75°	4312.2	2987.7	594.5	454.6	455.7	485.2	580.3	605.4	568.3	656.8
2937.4	77.5°	2071.9	1343.0	430.6	382.5	382.5	409.8	501.6	542.0	484.1	510.3
944.2	80°	715.8	504.9	338.8	308.2	301.6	320.2	422.9	469.9	417.4	384.7
308.2	82.5°	281.9	262.3	272.1	239.3	217.5	229.5	328.9	387.9	307.1	277.6
173.8	85°	161.7	170.5	192.3	158.5	125.7	141.0	241.5	278.7	231.7	204.4
56.8	87.5°	43.7	60.1	88.5	82.0	56.8	60.1	114.7	154.1	133.3	102.7
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

<u>180°</u>
2306.9
2365.9
2459.9
2573.5
2678.4
2715.6
2716.7
2668.6
2556.0
2396.5
2229.3
2076.3
1940.8
1771.4
1581.3
1392.2
1222.8
1080.8
939.8
860.0
809.8
774.8
750.7
724.5
679.7
642.6
627.3
626.2
616.3
667.7
662.2
467.7
360.6
276.5
208.7
106.0
0.0

F REPORT)