

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: P952152

Luminaire Tested: **GALN-SB6A-830-U-T2R**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952152  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SB6A-830-U-T2R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

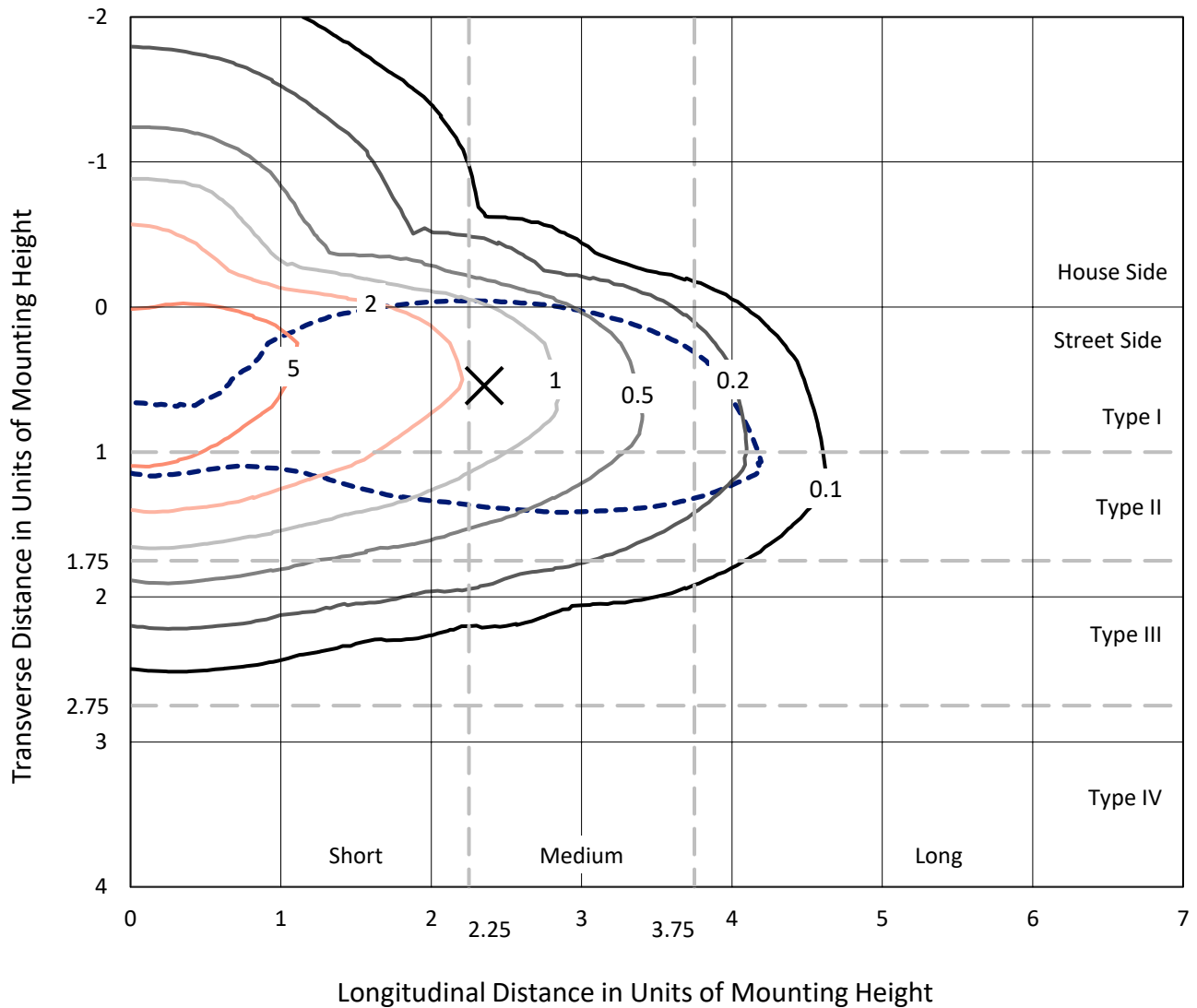
Lumens per Lamp: N/A  
Luminaire Lumens: 24896 lumens  
Efficiency: N/A  
Efficacy: 145.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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: P952152  
 CATALOG NUMBER: GALN-SB6A-830-U-T2R

### Iso-Footcandle Lines of Horizontal Illumination

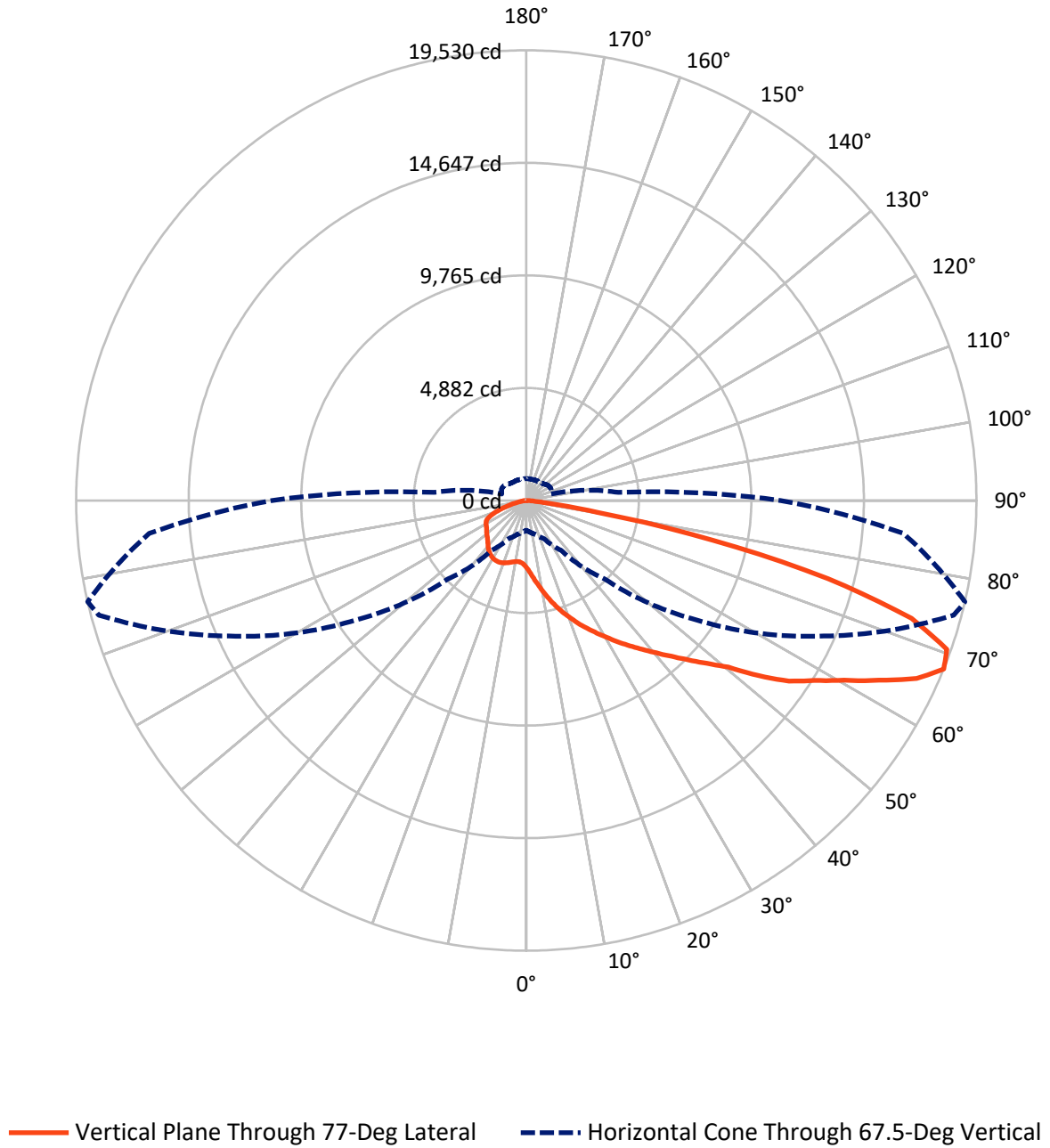
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 fc  
 Type II - Medium - N/A

REPORT NUMBER: P952152  
CATALOG NUMBER: GALN-SB6A-830-U-T2R

### Luminous Intensity Polar Plot



REPORT NUMBER: P952152  
 CATALOG NUMBER: GALN-SB6A-830-U-T2R

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4709.3	0.0	4709.3
	% Fixture	18.9	0.0	18.9
<b>Street Side</b>	Lumens	20186.7	0.0	20186.7
	% Fixture	81.1	0.0	81.1
<b>Total</b>	Lumens	24896.0	0.0	24896.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	313.1	1.3
10°-20°	1124.8	4.5
20°-30°	2123.8	8.5
30°-40°	3421.4	13.7
40°-50°	4679.9	18.8
50°-60°	5278.9	21.2
60°-70°	4927.2	19.8
70°-80°	2701.0	10.8
80°-90°	325.8	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°	24896.0	100.0
0°-180°	24896.0	100.0



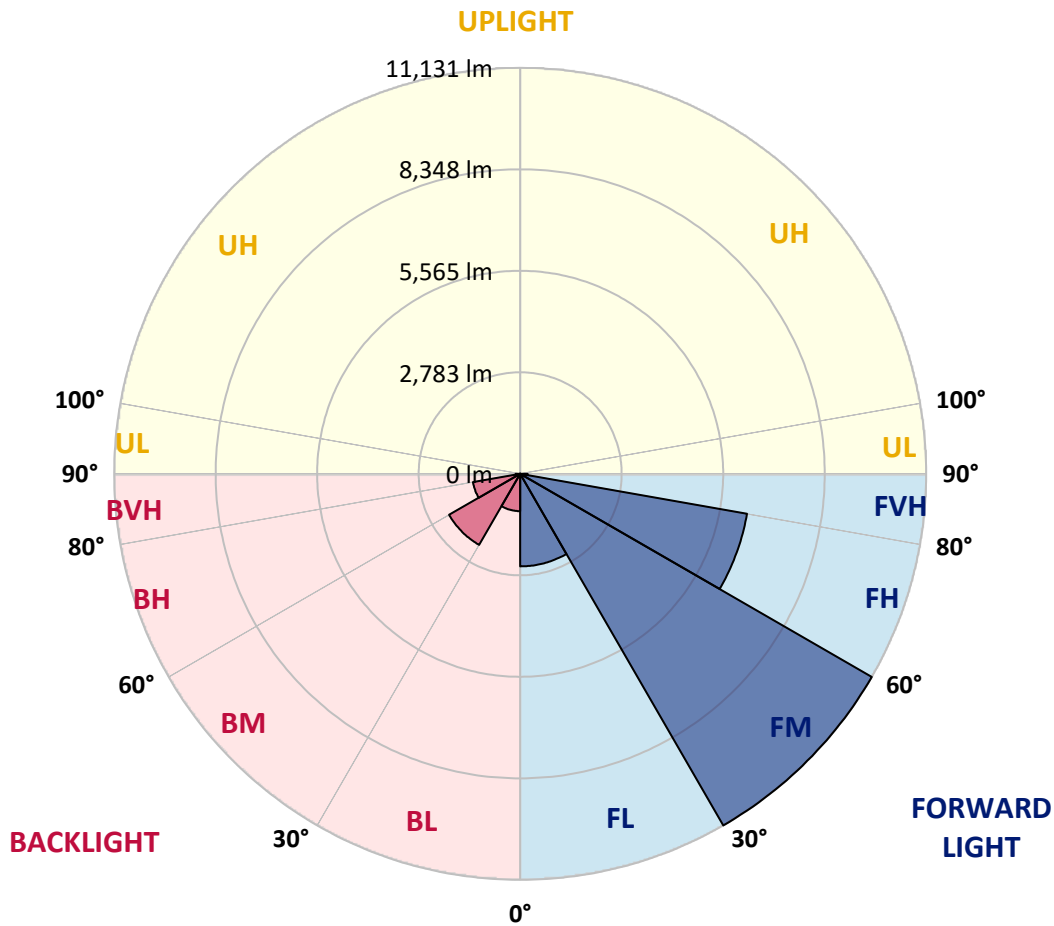
REPORT NUMBER: P952152  
 CATALOG NUMBER: GALN-SB6A-830-U-T2R

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2537.8	10.2			
FM (30°-60°)	11130.7	44.7			
FH (60°-80°)	6314.4	25.4			G3/7500
FVH (80°-90°)	203.7	0.8			G2/225
BL (0°-30°)	1023.9	4.1	B3/2500		
BM (30°-60°)	2249.5	9.0	B2/2500		
BH (60°-80°)	1313.8	5.3	B3/2500		G3/2500
BVH (80°-90°)	122.1	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 II Medium



REPORT NUMBER: P952152  
 CATALOG NUMBER: GALN-SB6A-830-U-T2R

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	2921.1	2921.1	2921.1	2921.1	2921.1	2921.1	2921.1	2921.1	2921.1	2921.1
2.5°	3657.4	3683.1	3651.0	3651.0	3543.1	3486.5	3378.6	3296.3	3148.5	3122.8
5°	4323.1	4355.3	4310.3	4291.0	4163.8	4046.8	3865.6	3687.0	3423.6	3396.6
7.5°	4838.5	4879.6	4839.8	4819.2	4706.1	4575.0	4363.0	4113.7	3742.3	3689.6
10°	5258.7	5265.1	5252.3	5260.0	5171.3	5063.4	4846.2	4555.7	4091.8	4019.9
12.5°	5496.5	5526.0	5551.7	5598.0	5582.6	5515.7	5320.4	4973.4	4461.9	4369.4
15°	5608.3	5659.7	5717.5	5824.2	5910.3	5927.0	5777.9	5421.9	4838.5	4726.7
17.5°	5648.1	5696.9	5788.2	5942.4	6127.4	6252.1	6185.3	5857.6	5211.2	5082.6
20°	5849.9	5864.0	5919.3	6065.8	6266.2	6473.1	6523.3	6276.5	5580.0	5434.8
22.5°	6281.7	6253.4	6268.8	6335.6	6479.6	6680.0	6794.4	6646.6	5959.1	5792.0
25°	6994.9	6912.7	6830.4	6753.3	6826.5	6939.6	7069.4	7016.7	6356.2	6144.2
27.5°	7895.8	7795.5	7614.3	7361.2	7272.5	7312.3	7370.2	7359.9	6723.7	6509.1
30°	8782.5	8665.6	8449.7	8083.4	7849.5	7744.1	7700.4	7670.9	7123.4	6894.7
32.5°	9490.6	9398.1	9186.0	8776.1	8436.8	8256.9	8111.7	8006.3	7541.1	7312.3
35°	10110.0	10023.9	9781.0	9333.8	8965.0	8773.5	8583.3	8358.4	7975.4	7744.1
37.5°	10675.5	10589.4	10256.5	9791.3	9419.9	9287.6	9117.9	8736.2	8411.1	8192.6
40°	11032.7	11013.5	10702.5	10175.6	9790.0	9724.5	9667.9	9174.5	8894.3	8691.3
42.5°	11124.0	11166.4	10919.7	10486.6	10119.0	10066.3	10198.7	9670.5	9436.6	9242.6
45°	10904.2	11026.3	10864.4	10570.1	10352.9	10324.6	10669.1	10212.8	10036.8	9859.4
47.5°	10347.8	10554.7	10487.9	10446.7	10415.9	10538.0	11082.9	10788.6	10716.6	10562.4
50°	9224.6	9616.5	9733.5	9993.1	10291.2	10703.8	11459.4	11417.0	11510.8	11355.3
52.5°	7282.8	7822.5	8501.1	9151.3	9908.3	10648.5	11873.2	12319.1	12715.0	12630.1
55°	6011.8	6254.7	6776.4	7969.0	9165.5	10415.9	12059.6	13047.8	13910.1	13834.3
57.5°	5035.1	5252.3	5573.6	6569.5	8042.3	9887.7	12175.2	13492.5	14728.7	14721.0
60°	3987.7	4217.8	4546.7	5252.3	6730.2	8975.3	12149.5	13998.8	15773.5	15837.8
62.5°	2805.4	3058.6	3423.6	4081.5	5389.8	7793.0	11625.2	14365.1	17003.4	17178.2
65°	1844.1	2011.2	2286.2	2854.2	4016.0	6272.7	10624.1	14412.6	18319.4	18614.9
67.5°	1292.8	1357.1	1519.0	1827.4	2647.3	4810.2	9029.2	13920.4	19197.1	19529.9
70°	1008.8	1040.9	1123.2	1246.6	1662.9	3234.6	6919.1	12640.4	19009.5	19356.5
72.5°	871.3	902.2	933.0	948.4	1115.5	1997.1	4686.8	10568.8	17242.4	17477.6
75°	790.3	798.1	823.8	818.6	850.7	1295.4	2705.2	7700.4	13604.3	13523.3
77.5°	664.4	674.7	717.1	710.7	755.6	885.4	1404.6	4969.6	8819.8	8269.7
80°	562.9	568.0	614.3	606.6	656.7	641.3	717.1	2533.0	3741.0	3169.1
82.5°	195.3	241.6	469.1	483.2	501.2	388.1	413.8	1033.2	1142.5	875.2
85°	95.1	101.5	239.0	339.3	338.0	195.3	201.8	368.8	359.8	282.7
87.5°	15.4	19.3	28.3	132.4	105.4	51.4	69.4	72.0	74.5	64.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P952152  
 CATALOG NUMBER: GALN-SB6A-830-U-T2R

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2921.1	0°	2921.1	2921.1	2921.1	2921.1	2921.1	2921.1	2921.1	2921.1	2921.1	2921.1
3025.2	2.5°	2953.2	2888.9	2754.0	2629.4	2531.7	2437.9	2385.2	2340.2	2314.5	2309.4
3166.5	5°	3032.9	2900.5	2655.1	2448.2	2313.2	2213.0	2160.3	2126.9	2110.2	2099.9
3356.7	7.5°	3147.3	2953.2	2603.6	2368.5	2227.1	2155.1	2128.2	2123.0	2121.7	2123.0
3586.8	10°	3305.3	3039.3	2598.5	2349.2	2231.0	2191.1	2189.8	2191.1	2196.3	2197.6
3837.4	12.5°	3476.2	3128.0	2619.1	2365.9	2279.8	2258.0	2254.1	2252.8	2256.7	2259.2
4090.5	15°	3662.6	3244.9	2653.8	2401.9	2333.8	2310.6	2306.8	2299.1	2297.8	2296.5
4356.6	17.5°	3854.1	3360.6	2692.3	2440.4	2368.5	2336.3	2322.2	2304.2	2290.1	2286.2
4631.6	20°	4048.1	3475.0	2719.3	2459.7	2371.0	2326.1	2297.8	2266.9	2242.5	2228.4
4909.2	22.5°	4255.0	3594.5	2736.0	2454.6	2347.9	2286.2	2234.8	2198.8	2161.6	2137.2
5189.3	25°	4456.8	3698.6	2734.7	2427.6	2302.9	2224.5	2159.0	2112.7	2061.3	2035.6
5478.5	27.5°	4650.8	3792.4	2702.6	2380.0	2238.7	2151.3	2072.9	2017.6	1967.5	1943.1
5770.2	30°	4851.3	3870.8	2652.5	2310.6	2162.9	2066.5	1980.4	1932.8	1887.8	1864.7
6078.6	32.5°	5050.5	3942.7	2581.8	2224.5	2075.5	1982.9	1898.1	1854.4	1827.4	1827.4
6410.2	35°	5261.3	3992.9	2488.0	2124.3	1982.9	1894.3	1827.4	1801.7	1799.2	1783.7
6761.0	37.5°	5483.6	4025.0	2373.6	2021.5	1891.7	1808.2	1787.6	1756.8	1731.1	1697.6
7146.5	40°	5717.5	4057.1	2236.1	1914.8	1795.3	1749.0	1740.1	1698.9	1625.7	1543.4
7583.5	42.5°	6001.5	4079.0	2093.5	1808.2	1693.8	1678.4	1691.2	1620.5	1503.6	1441.9
8110.4	45°	6330.5	4114.9	1962.4	1702.8	1589.7	1589.7	1643.7	1551.1	1454.8	1416.2
8711.8	47.5°	6757.2	4198.5	1840.3	1587.1	1493.3	1519.0	1538.3	1467.6	1413.6	1366.1
9444.3	50°	7374.0	4399.0	1714.3	1470.2	1420.1	1471.5	1444.5	1403.3	1340.4	1301.8
10608.7	52.5°	8139.9	4517.2	1602.5	1364.8	1357.1	1408.5	1369.9	1331.4	1283.8	1232.4
11491.5	55°	8661.7	4539.0	1508.7	1287.7	1314.7	1309.5	1295.4	1260.7	1235.0	1166.9
12362.8	57.5°	9245.1	4582.7	1431.6	1241.4	1287.7	1231.1	1226.0	1196.4	1163.0	1116.8
13425.6	60°	9943.0	4650.8	1364.8	1223.4	1264.6	1179.7	1154.0	1142.5	1109.1	1085.9
14704.3	62.5°	10703.8	4712.5	1296.7	1226.0	1237.6	1129.6	1091.1	1087.2	1066.6	1058.9
15904.6	65°	11222.9	4544.2	1211.9	1223.4	1195.2	1078.2	1029.4	1028.1	1011.4	1008.8
16425.1	67.5°	11041.7	4010.9	1097.5	1187.4	1151.5	1026.8	972.8	967.7	945.8	947.1
15881.5	70°	10134.4	3250.1	939.4	1098.8	1097.5	980.5	913.7	897.0	867.5	872.6
13808.6	72.5°	8432.9	2408.3	727.4	951.0	1011.4	938.1	845.6	818.6	781.4	786.5
10193.6	75°	6090.2	1637.2	529.5	723.5	880.3	888.0	778.8	732.5	687.5	695.2
5673.8	77.5°	3116.4	927.9	389.4	498.6	691.4	807.1	718.4	656.7	646.4	718.4
1636.0	80°	1016.5	465.2	269.9	349.6	453.6	660.6	629.7	559.0	556.5	573.2
343.1	82.5°	303.3	196.6	173.5	230.0	250.6	506.3	543.6	422.8	363.7	383.0
114.4	85°	104.1	95.1	99.0	114.4	119.5	296.9	380.4	280.2	264.7	291.7
25.7	87.5°	24.4	33.4	28.3	25.7	25.7	72.0	147.8	116.9	161.9	107.9
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>
2921.1
2309.4
2098.6
2126.9
2198.8
2260.5
2295.2
2290.1
2233.5
2138.4
2035.6
1941.8
1863.4
1828.7
1779.9
1692.5
1531.9
1443.2
1422.6
1364.8
1298.0
1222.1
1168.2
1101.3
1092.4
1058.9
1007.5
947.1
877.7
785.2
697.8
708.1
492.2
395.8
287.9
104.1
0.0

F REPORT)