

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: P952131

Luminaire Tested: **GALN-SB6A-827-U-T2R**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952131  
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-827-U-T2R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

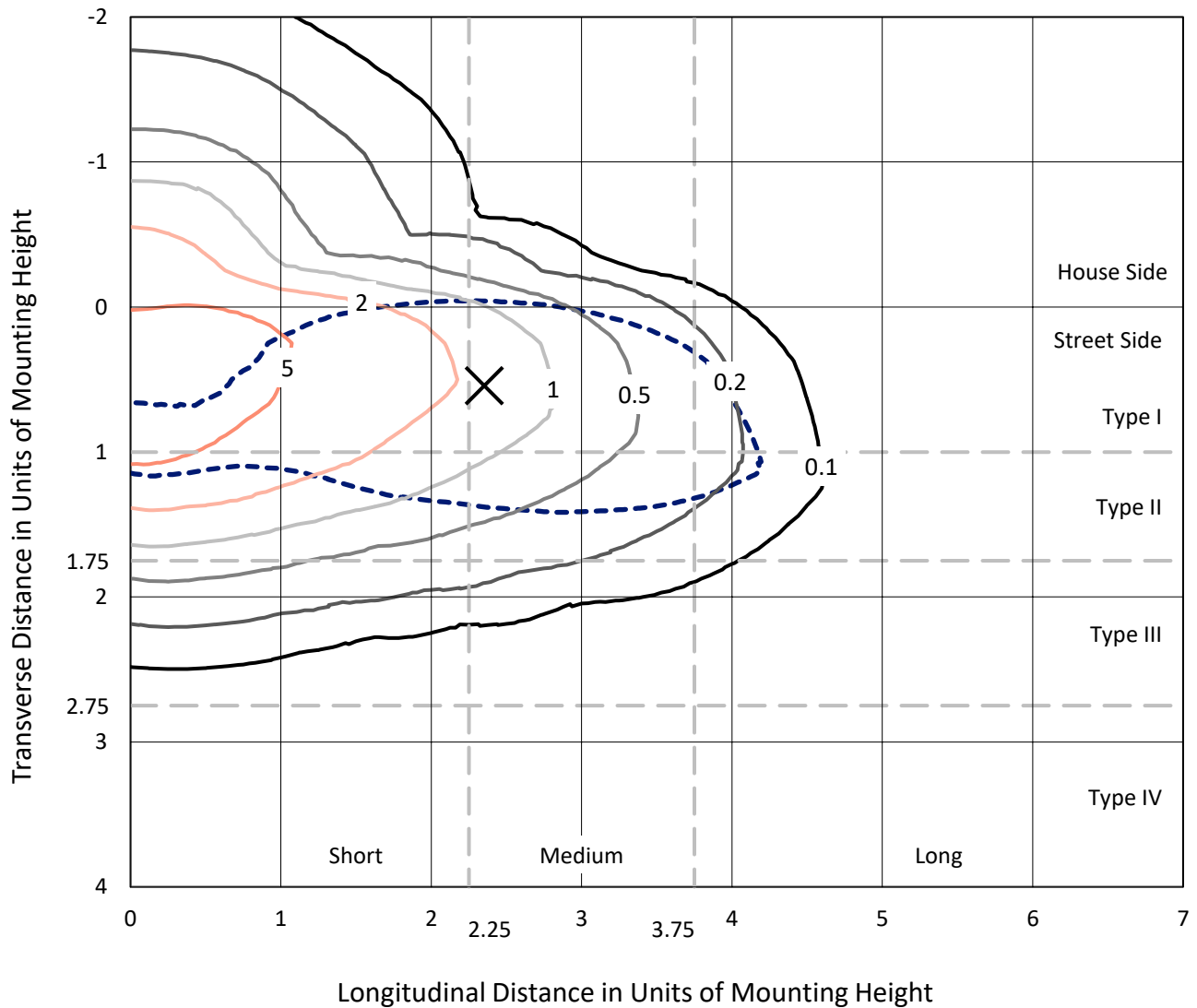
Lumens per Lamp: N/A  
Luminaire Lumens: 24093 lumens  
Efficiency: N/A  
Efficacy: 141.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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: P952131  
 CATALOG NUMBER: GALN-SB6A-827-U-T2R

### Iso-Footcandle Lines of Horizontal Illumination

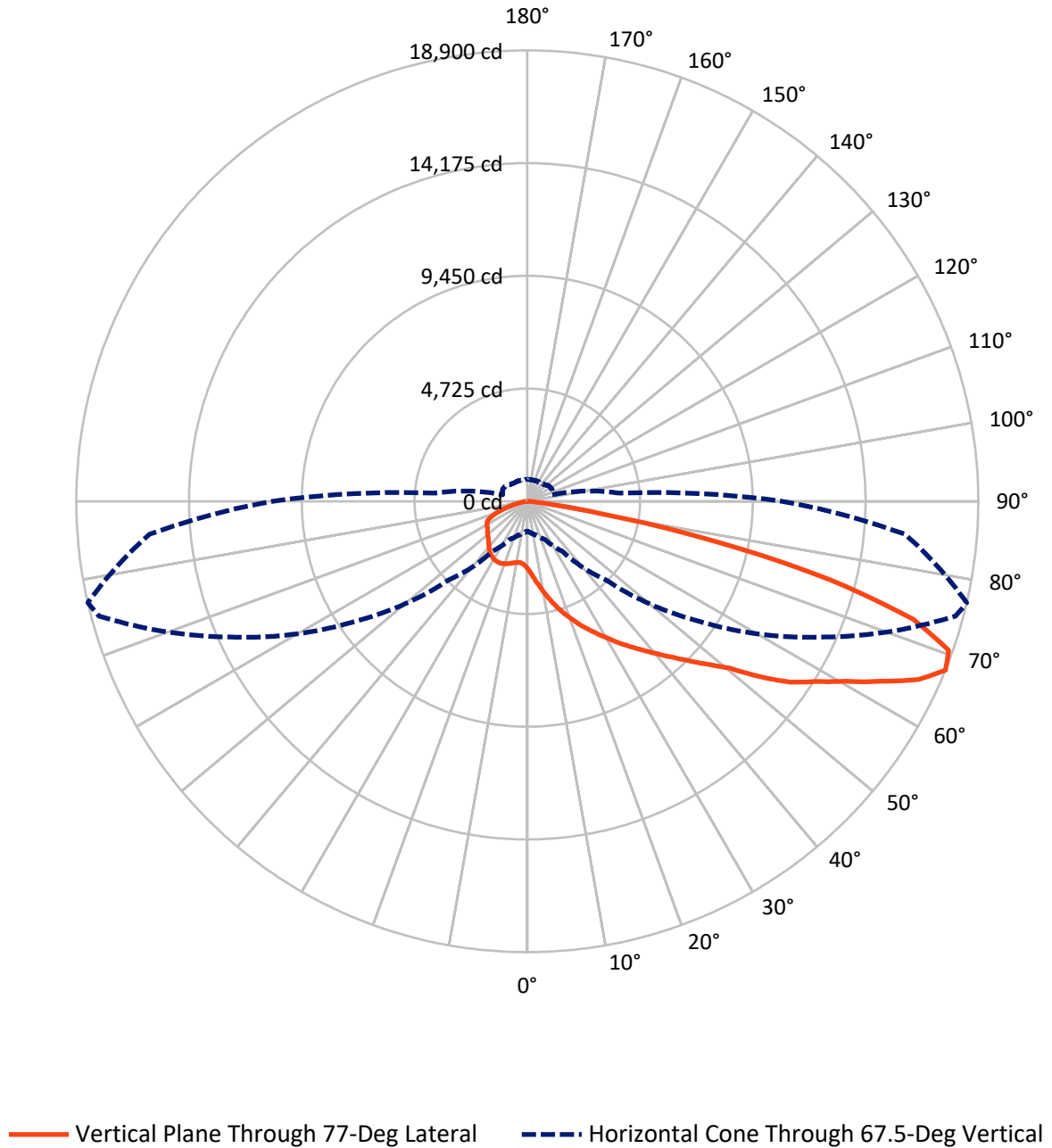
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 fc  
 Type II - Medium - N/A

REPORT NUMBER: P952131  
CATALOG NUMBER: GALN-SB6A-827-U-T2R

### Luminous Intensity Polar Plot



REPORT NUMBER: P952131  
 CATALOG NUMBER: GALN-SB6A-827-U-T2R

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4557.4	0.0	4557.4
	% Fixture	18.9	0.0	18.9
<b>Street Side</b>	Lumens	19535.6	0.0	19535.6
	% Fixture	81.1	0.0	81.1
<b>Total</b>	Lumens	24093.0	0.0	24093.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	303.0	1.3
10°-20°	1088.6	4.5
20°-30°	2055.3	8.5
30°-40°	3311.1	13.7
40°-50°	4528.9	18.8
50°-60°	5108.7	21.2
60°-70°	4768.3	19.8
70°-80°	2613.8	10.8
80°-90°	315.3	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°	24093.0	100.0
0°-180°	24093.0	100.0



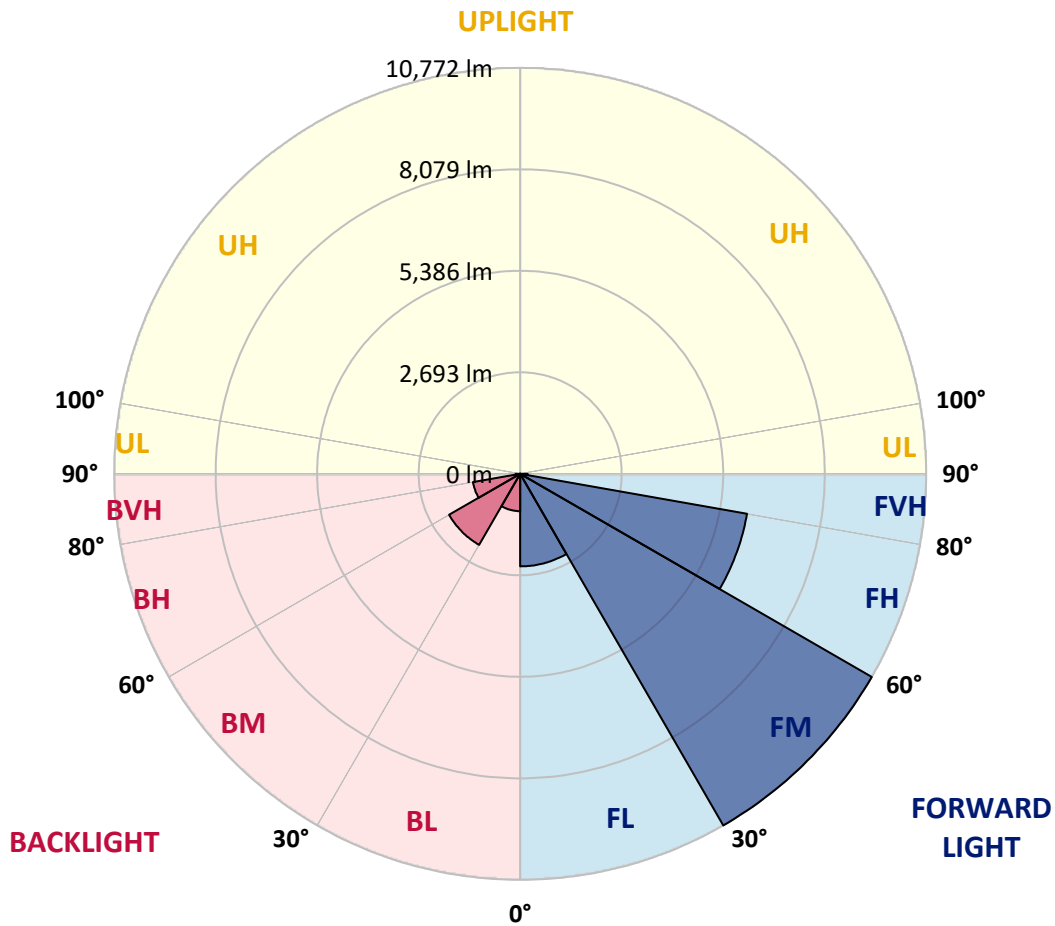
REPORT NUMBER: P952131  
 CATALOG NUMBER: GALN-SB6A-827-U-T2R

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2456.0	10.2			
FM (30°-60°)	10771.7	44.7			
FH (60°-80°)	6110.7	25.4			G3/7500
FVH (80°-90°)	197.2	0.8			G2/225
BL (0°-30°)	990.9	4.1	B2/1000		
BM (30°-60°)	2177.0	9.0	B2/2500		
BH (60°-80°)	1271.5	5.3	B3/2500		G3/2500
BVH (80°-90°)	118.1	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: P952131  
 CATALOG NUMBER: GALN-SB6A-827-U-T2R

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	2826.9	2826.9	2826.9	2826.9	2826.9	2826.9	2826.9	2826.9	2826.9	2826.9
2.5°	3539.5	3564.4	3533.3	3533.3	3428.8	3374.1	3269.6	3190.0	3047.0	3022.1
5°	4183.7	4214.8	4171.3	4152.6	4029.5	3916.3	3741.0	3568.1	3313.1	3287.0
7.5°	4682.4	4722.2	4683.7	4663.8	4554.3	4427.5	4222.3	3981.0	3621.6	3570.6
10°	5089.1	5095.3	5082.9	5090.3	5004.5	4900.1	4689.9	4408.8	3959.8	3890.2
12.5°	5319.2	5347.8	5372.6	5417.4	5402.5	5337.8	5148.8	4813.0	4318.0	4228.5
15°	5427.4	5477.1	5533.1	5636.3	5719.6	5735.8	5591.5	5247.0	4682.4	4574.2
17.5°	5465.9	5513.2	5601.5	5750.7	5929.8	6050.4	5985.8	5668.6	5043.1	4918.7
20°	5661.2	5674.9	5728.3	5870.1	6064.1	6264.4	6312.9	6074.1	5400.0	5259.5
22.5°	6079.0	6051.7	6066.6	6131.3	6270.6	6464.6	6575.3	6432.3	5766.9	5605.2
25°	6769.3	6689.7	6610.1	6535.5	6606.4	6715.8	6841.4	6790.4	6151.2	5946.0
27.5°	7641.1	7544.1	7368.7	7123.7	7037.9	7076.5	7132.4	7122.5	6506.9	6299.2
30°	8499.2	8386.1	8177.1	7822.7	7596.3	7494.3	7452.1	7423.5	6893.7	6672.3
32.5°	9184.5	9094.9	8889.7	8493.0	8164.7	7990.6	7850.0	7748.1	7297.8	7076.5
35°	9783.9	9700.6	9465.6	9032.8	8675.8	8490.5	8306.5	8088.8	7718.2	7494.3
37.5°	10331.2	10247.8	9925.7	9475.5	9116.1	8988.0	8823.8	8454.5	8139.8	7928.4
40°	10676.9	10658.2	10357.3	9847.4	9474.3	9410.8	9356.1	8878.5	8607.4	8410.9
42.5°	10765.2	10806.2	10567.4	10148.3	9792.6	9741.7	9869.7	9358.6	9132.3	8944.5
45°	10552.5	10670.7	10514.0	10229.2	10019.0	9991.6	10324.9	9883.4	9713.0	9541.4
47.5°	10014.0	10214.2	10149.6	10109.8	10079.9	10198.1	10725.4	10440.6	10370.9	10221.7
50°	8927.0	9306.4	9419.5	9670.8	9959.3	10358.5	11089.8	11048.7	11139.5	10989.1
52.5°	7047.9	7570.2	8226.9	8856.2	9588.7	10305.0	11490.2	11921.8	12304.9	12222.8
55°	5817.9	6052.9	6557.9	7712.0	8869.8	10079.9	11670.6	12627.0	13461.5	13388.1
57.5°	4872.7	5082.9	5393.8	6357.6	7782.9	9568.8	11782.5	13057.3	14253.7	14246.2
60°	3859.1	4081.7	4400.1	5082.9	6513.1	8685.8	11757.6	13547.3	15264.8	15327.0
62.5°	2714.9	2959.9	3313.1	3949.9	5215.9	7541.6	11250.2	13901.7	16455.0	16624.1
65°	1784.7	1946.3	2212.5	2762.2	3886.5	6070.3	10281.4	13947.7	17728.5	18014.5
67.5°	1251.1	1313.3	1470.0	1768.5	2562.0	4655.0	8738.0	13471.4	18577.9	18900.0
70°	976.3	1007.4	1087.0	1206.4	1609.3	3130.3	6695.9	12232.7	18396.3	18732.1
72.5°	843.2	873.1	902.9	917.8	1079.5	1932.7	4535.7	10227.9	16686.3	16913.9
75°	764.9	772.3	797.2	792.2	823.3	1253.6	2617.9	7452.1	13165.5	13087.1
77.5°	643.0	652.9	694.0	687.7	731.3	856.9	1359.3	4809.3	8535.3	8003.0
80°	544.7	549.7	594.5	587.0	635.5	620.6	694.0	2451.3	3620.3	3066.9
82.5°	189.0	233.8	453.9	467.6	485.0	375.6	400.5	999.9	1105.6	846.9
85°	92.0	98.2	231.3	328.3	327.1	189.0	195.3	356.9	348.2	273.6
87.5°	14.9	18.7	27.4	128.1	102.0	49.7	67.2	69.6	72.1	62.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P952131  
 CATALOG NUMBER: GALN-SB6A-827-U-T2R

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2826.9	0°	2826.9	2826.9	2826.9	2826.9	2826.9	2826.9	2826.9	2826.9	2826.9	2826.9
2927.6	2.5°	2857.9	2795.8	2665.2	2544.5	2450.0	2359.2	2308.2	2264.7	2239.8	2234.9
3064.4	5°	2935.1	2807.0	2569.4	2369.2	2238.6	2141.6	2090.6	2058.3	2042.1	2032.2
3248.5	7.5°	3045.7	2857.9	2519.7	2292.1	2155.3	2085.6	2059.5	2054.5	2053.3	2054.5
3471.1	10°	3198.7	2941.3	2514.7	2273.4	2159.0	2120.5	2119.2	2120.5	2125.4	2126.7
3713.6	12.5°	3364.1	3027.1	2534.6	2289.6	2206.3	2185.1	2181.4	2180.2	2183.9	2186.4
3958.6	15°	3544.5	3140.3	2568.2	2324.4	2258.5	2236.1	2232.4	2224.9	2223.7	2222.4
4216.0	17.5°	3729.8	3252.2	2605.5	2361.7	2292.1	2261.0	2247.3	2229.9	2216.2	2212.5
4482.2	20°	3917.6	3362.9	2631.6	2380.4	2294.6	2251.0	2223.7	2193.8	2170.2	2156.5
4750.8	22.5°	4117.8	3478.5	2647.8	2375.4	2272.2	2212.5	2162.7	2127.9	2091.8	2068.2
5021.9	25°	4313.0	3579.3	2646.5	2349.3	2228.7	2152.8	2089.4	2044.6	1994.8	1970.0
5301.8	27.5°	4500.8	3670.1	2615.4	2303.3	2166.5	2081.9	2006.0	1952.6	1904.1	1880.4
5584.1	30°	4694.8	3745.9	2566.9	2236.1	2093.1	1999.8	1916.5	1870.5	1826.9	1804.6
5882.5	32.5°	4887.6	3815.6	2498.5	2152.8	2008.5	1919.0	1836.9	1794.6	1768.5	1768.5
6203.4	35°	5091.6	3864.1	2407.7	2055.8	1919.0	1833.2	1768.5	1743.6	1741.1	1726.2
6542.9	37.5°	5306.7	3895.2	2297.1	1956.3	1830.7	1749.8	1729.9	1700.1	1675.2	1642.9
6916.0	40°	5533.1	3926.3	2164.0	1853.1	1737.4	1692.6	1683.9	1644.1	1573.2	1493.6
7338.9	42.5°	5807.9	3947.4	2025.9	1749.8	1639.2	1624.2	1636.7	1568.3	1455.1	1395.4
7848.8	45°	6126.3	3982.2	1899.1	1647.9	1538.4	1538.4	1590.7	1501.1	1407.8	1370.5
8430.8	47.5°	6539.2	4063.1	1780.9	1535.9	1445.1	1470.0	1488.7	1420.3	1368.0	1322.0
9139.7	50°	7136.2	4257.1	1659.1	1422.8	1374.3	1424.0	1397.9	1358.1	1297.1	1259.8
10266.5	52.5°	7877.4	4371.5	1550.9	1320.8	1313.3	1363.1	1325.8	1288.4	1242.4	1192.7
11120.9	55°	8382.3	4392.6	1460.1	1246.2	1272.3	1267.3	1253.6	1220.0	1195.2	1129.3
11964.1	57.5°	8946.9	4434.9	1385.4	1201.4	1246.2	1191.4	1186.5	1157.9	1125.5	1080.7
12992.6	60°	9622.3	4500.8	1320.8	1184.0	1223.8	1141.7	1116.8	1105.6	1073.3	1050.9
14230.0	62.5°	10358.5	4560.5	1254.9	1186.5	1197.7	1093.2	1055.9	1052.1	1032.2	1024.8
15391.6	65°	10861.0	4397.6	1172.8	1184.0	1156.6	1043.4	996.2	994.9	978.8	976.3
15895.3	67.5°	10685.6	3881.5	1062.1	1149.1	1114.3	993.7	941.5	936.5	915.3	916.6
15369.2	70°	9807.6	3145.2	909.1	1063.3	1062.1	948.9	884.2	868.1	839.5	844.5
13363.2	72.5°	8160.9	2330.6	703.9	920.3	978.8	907.9	818.3	792.2	756.2	761.1
9864.8	75°	5893.7	1584.4	512.4	700.2	851.9	859.4	753.7	708.9	665.4	672.8
5490.8	77.5°	3015.9	897.9	376.8	482.5	669.1	781.0	695.2	635.5	625.6	695.2
1583.2	80°	983.7	450.2	261.2	338.3	439.0	639.2	609.4	541.0	538.5	554.7
332.1	82.5°	293.5	190.3	167.9	222.6	242.5	490.0	526.1	409.2	352.0	370.6
110.7	85°	100.7	92.0	95.8	110.7	115.7	287.3	368.1	271.1	256.2	282.3
24.9	87.5°	23.6	32.3	27.4	24.9	24.9	69.6	143.0	113.2	156.7	104.5
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>
2826.9
2234.9
2030.9
2058.3
2127.9
2187.6
2221.2
2216.2
2161.5
2069.5
1970.0
1879.2
1803.3
1769.7
1722.5
1637.9
1482.5
1396.6
1376.7
1320.8
1256.1
1182.7
1130.5
1065.8
1057.1
1024.8
975.0
916.6
849.4
759.9
675.3
685.3
476.3
383.0
278.6
100.7
0.0

F REPORT)