

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: P952133

Luminaire Tested: **GALN-SB6A-827-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952133
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)
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-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23971 lumens
Efficiency: N/A
Efficacy: 140.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

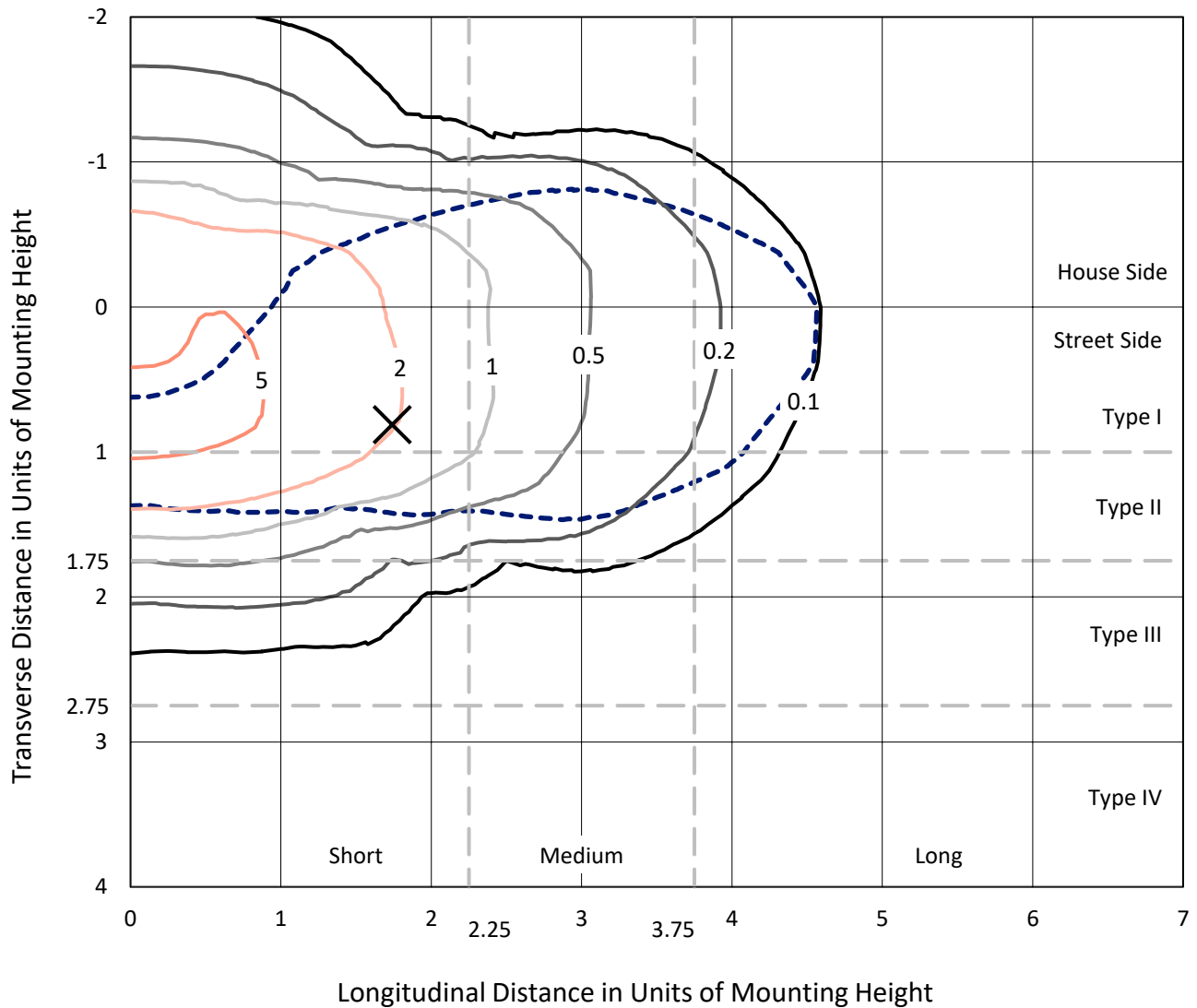
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P952133
 CATALOG NUMBER: GALN-SB6A-827-U-T2U

Iso-Footcandle Lines of Horizontal Illumination

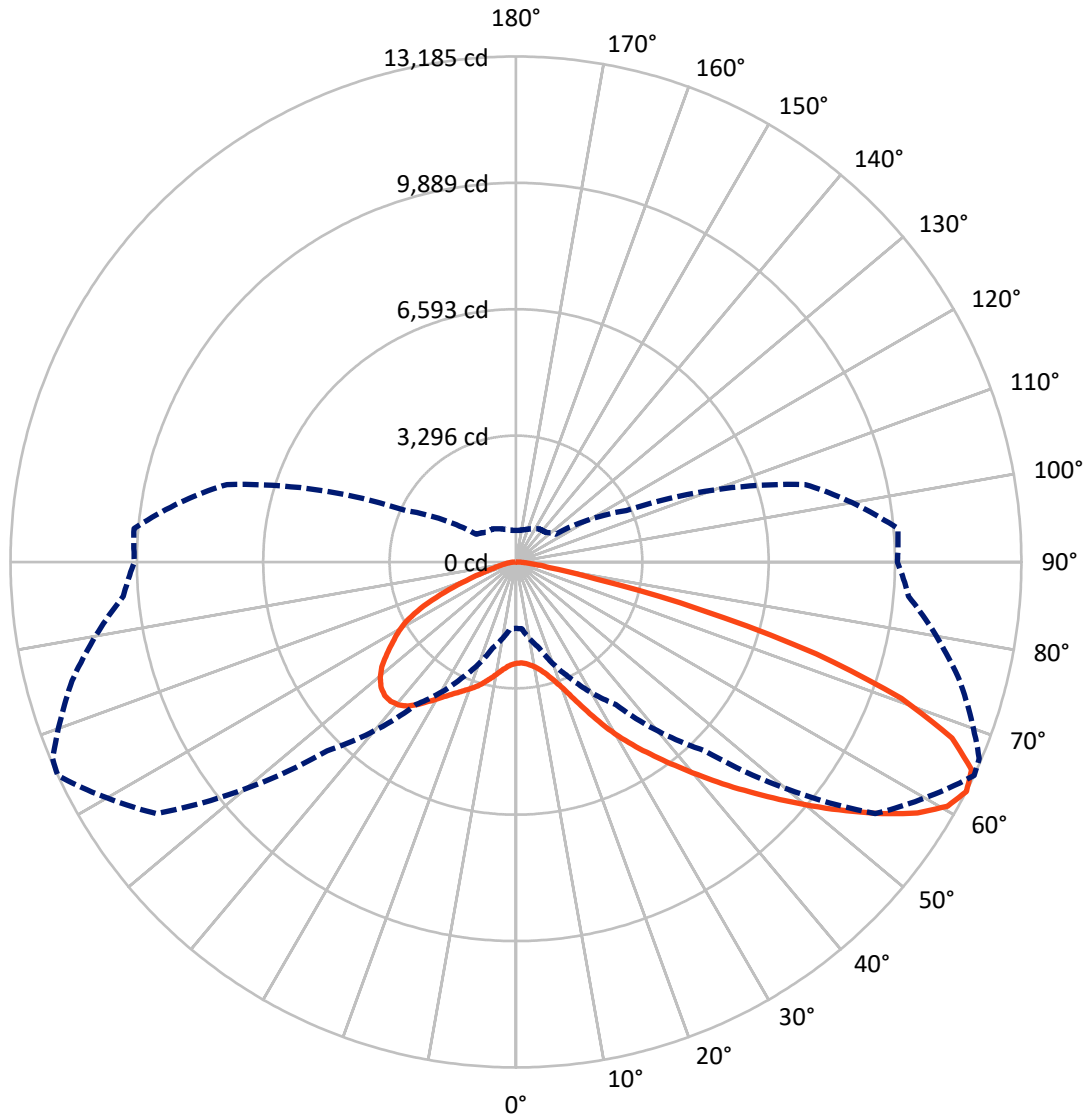
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 fc
 Type II - Short - N/A

REPORT NUMBER: P952133
CATALOG NUMBER: GALN-SB6A-827-U-T2U

Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P952133
 CATALOG NUMBER: GALN-SB6A-827-U-T2U

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7564.2	0.0	7564.2
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	16406.8	0.0	16406.8
	% Fixture	68.4	0.0	68.4
Total	Lumens	23971.0	0.0	23971.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.4	1.1
10°-20°	893.1	3.7
20°-30°	1810.8	7.6
30°-40°	3133.5	13.1
40°-50°	4742.0	19.8
50°-60°	5559.7	23.2
60°-70°	4661.1	19.4
70°-80°	2573.3	10.7
80°-90°	334.3	1.4
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°	23971.0	100.0
0°-180°	23971.0	100.0



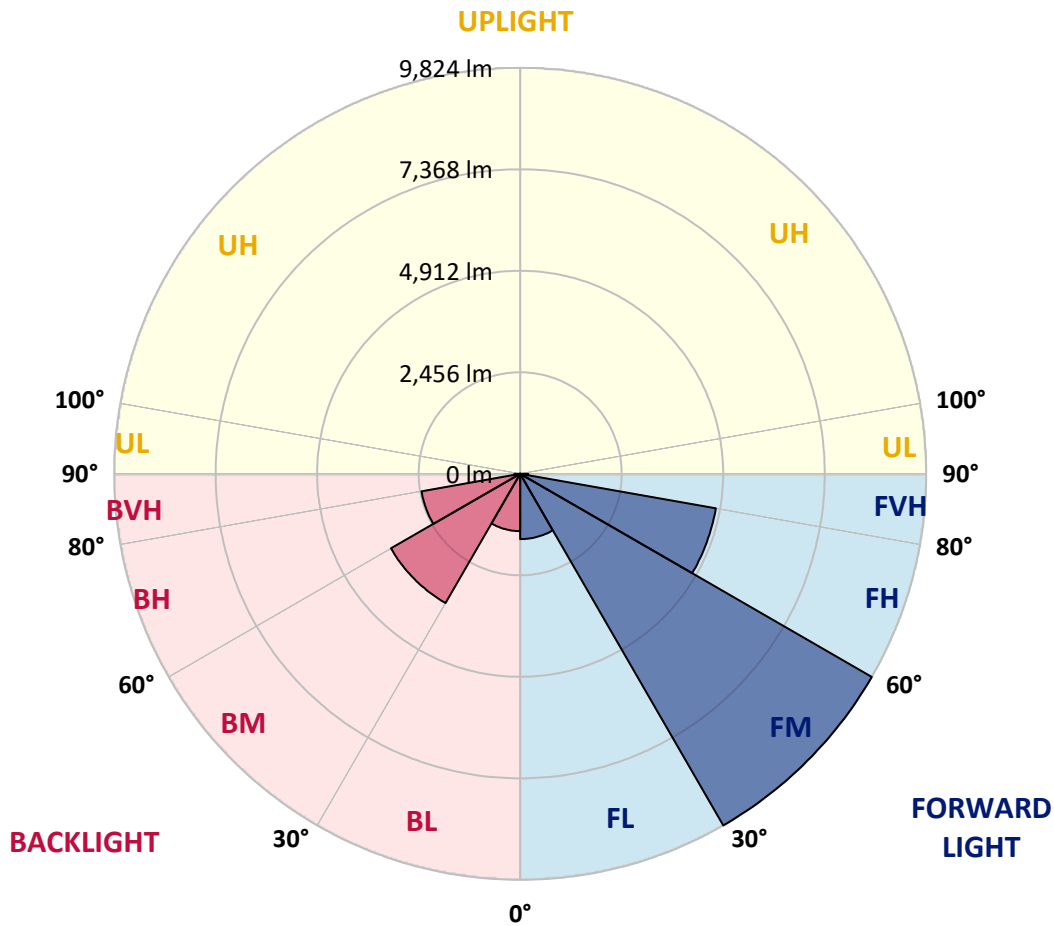
REPORT NUMBER: P952133
 CATALOG NUMBER: GALN-SB6A-827-U-T2U

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1580.0	6.6			
FM (30°-60°)	9824.1	41.0			
FH (60°-80°)	4807.9	20.1			G2/5000
FVH (80°-90°)	194.8	0.8			G2/225
BL (0°-30°)	1387.2	5.8	B3/2500		
BM (30°-60°)	3611.0	15.1	B3/5000		
BH (60°-80°)	2426.5	10.1	B3/2500		G3/2500
BVH (80°-90°)	139.4	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 Short



REPORT NUMBER: P952133
 CATALOG NUMBER: GALN-SB6A-827-U-T2U

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°
0°	2641.5	2641.5	2641.5	2641.5	2641.5	2641.5	2641.5	2641.5	2641.5	2641.5
2.5°	2624.1	2616.6	2622.8	2622.8	2625.3	2624.1	2632.8	2635.3	2639.0	2646.5
5°	2598.0	2596.7	2607.9	2617.9	2627.8	2636.5	2647.7	2663.9	2666.4	2675.1
7.5°	2589.3	2581.8	2599.2	2611.7	2635.3	2656.4	2686.3	2713.6	2724.8	2728.6
10°	2656.4	2644.0	2660.2	2667.6	2687.5	2708.7	2743.5	2787.0	2799.4	2814.4
12.5°	2770.8	2757.2	2780.8	2792.0	2810.6	2829.3	2852.9	2895.2	2901.4	2928.8
15°	2927.5	2911.4	2926.3	2940.0	2971.1	2988.5	3012.1	3053.1	3053.1	3074.3
17.5°	3140.2	3119.1	3130.3	3135.2	3155.1	3181.2	3221.0	3257.1	3275.8	3268.3
20°	3457.3	3431.2	3431.2	3406.3	3398.9	3420.0	3472.3	3522.0	3541.9	3503.3
22.5°	3933.6	3896.3	3875.2	3790.6	3757.0	3759.5	3811.8	3872.7	3888.9	3820.5
25°	4539.3	4480.9	4452.2	4327.9	4252.0	4186.1	4227.1	4305.5	4327.9	4243.3
27.5°	5145.0	5148.7	5121.3	4972.1	4846.5	4725.8	4704.7	4786.8	4810.4	4714.7
30°	5994.4	5906.1	5853.8	5674.7	5495.7	5326.5	5239.5	5273.1	5279.3	5164.9
32.5°	6726.9	6704.5	6592.6	6435.9	6205.8	5940.9	5795.4	5741.9	5732.0	5569.0
35°	7561.4	7548.9	7430.8	7244.2	6995.5	6627.4	6365.0	6212.0	6199.6	5970.7
37.5°	8409.5	8409.5	8293.9	8089.9	7832.5	7372.3	6973.1	6730.6	6690.8	6392.3
40°	9086.1	9045.0	9066.2	8980.4	8685.6	8196.9	7648.4	7296.5	7243.0	6884.8
42.5°	9470.4	9456.7	9583.5	9679.3	9558.6	9168.1	8392.1	7909.6	7835.0	7427.0
45°	9556.2	9541.2	9767.6	10118.3	10287.4	10127.0	9200.5	8555.0	8464.2	7994.1
47.5°	9358.4	9328.6	9660.6	10214.0	10756.3	11038.6	10076.0	9255.2	9123.4	8546.3
50°	8764.0	8735.4	9237.8	9972.8	10914.2	11657.9	11026.1	9997.7	9796.2	9138.3
52.5°	7471.8	7485.5	8272.7	9282.6	10706.5	12043.5	11844.5	10779.9	10537.4	9744.0
55°	5820.3	5850.1	6817.7	7929.5	9875.8	11985.0	12402.9	11585.8	11344.5	10313.5
57.5°	4167.5	4299.3	5205.9	6306.5	8280.2	11058.5	12524.7	12351.9	12118.1	10935.4
60°	2701.2	2724.8	3657.6	4766.9	6305.3	9411.9	12277.3	12932.7	12749.8	11569.6
62.5°	1731.2	1747.3	2315.7	3334.2	4538.1	6963.2	11444.0	13185.1	13129.2	11988.7
65°	1272.2	1259.8	1555.8	2203.7	3056.9	4294.3	9826.0	13063.2	13173.9	12251.1
67.5°	1062.1	1044.7	1190.2	1526.0	2252.2	2438.8	7270.3	12271.0	12676.5	12221.3
70°	967.6	952.6	1040.9	1133.0	1757.3	1632.9	3665.0	10668.0	11292.3	11881.8
72.5°	819.6	793.4	914.1	1006.1	1366.8	1252.3	1514.8	8194.4	8955.5	10793.6
75°	635.5	618.1	721.3	885.5	1027.3	977.5	957.6	4975.8	5806.6	8347.3
77.5°	503.7	480.0	574.6	690.2	924.0	737.5	697.7	2142.8	2966.1	5329.0
80°	379.3	358.2	436.5	546.0	710.1	555.9	451.4	874.3	1118.0	2700.0
82.5°	269.9	251.2	304.7	400.5	477.6	498.7	277.3	490.0	550.9	1040.9
85°	172.9	161.7	204.0	251.2	303.4	320.9	169.1	256.2	281.1	429.1
87.5°	94.5	77.1	109.4	116.9	140.5	128.1	80.8	93.3	100.7	155.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P952133
 CATALOG NUMBER: GALN-SB6A-827-U-T2U

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2641.5	0°	2641.5	2641.5	2641.5	2641.5	2641.5	2641.5	2641.5	2641.5	2641.5	2641.5
2646.5	2.5°	2651.4	2655.2	2667.6	2671.3	2680.1	2691.2	2698.7	2706.2	2706.2	2713.6
2686.3	5°	2687.5	2696.2	2722.3	2736.0	2758.4	2780.8	2794.5	2810.6	2820.6	2825.6
2749.7	7.5°	2757.2	2770.8	2808.1	2831.8	2870.3	2901.4	2922.6	2944.9	2949.9	2963.6
2838.0	10°	2851.7	2867.8	2910.1	2954.9	3000.9	3039.5	3059.4	3075.5	3081.8	3084.2
2951.2	12.5°	2959.9	2983.5	3038.2	3092.9	3141.4	3175.0	3180.0	3176.3	3158.9	3143.9
3090.5	15°	3092.9	3114.1	3175.0	3234.7	3282.0	3288.2	3257.1	3237.2	3216.1	3212.3
3245.9	17.5°	3252.1	3263.3	3319.3	3377.7	3381.5	3360.3	3314.3	3295.7	3275.8	3262.1
3448.6	20°	3437.4	3433.7	3473.5	3498.4	3472.3	3407.6	3337.9	3306.8	3287.0	3270.8
3697.4	22.5°	3658.8	3630.2	3625.2	3619.0	3549.4	3413.8	3319.3	3279.5	3248.4	3226.0
4044.3	25°	3980.9	3871.5	3795.6	3753.3	3596.6	3380.2	3259.6	3171.3	3112.8	3074.3
4468.4	27.5°	4383.8	4199.8	4008.3	3905.0	3596.6	3311.8	3115.3	2972.3	2876.5	2836.8
4878.8	30°	4768.1	4575.4	4293.1	4087.9	3587.9	3199.9	2882.8	2683.8	2571.9	2532.1
5229.5	32.5°	5096.5	4886.3	4595.3	4288.1	3566.8	3018.3	2594.2	2374.1	2265.9	2218.7
5576.5	35°	5401.1	5177.3	4898.7	4508.2	3510.8	2752.2	2277.1	2109.2	1988.6	1912.7
5929.7	37.5°	5713.3	5447.2	5186.0	4707.2	3410.1	2441.3	2033.4	1890.3	1748.6	1646.6
6305.3	40°	6052.8	5734.4	5493.2	4825.3	3244.7	2145.3	1844.3	1713.7	1563.3	1455.1
6738.1	42.5°	6449.5	6078.9	5835.2	4886.3	3018.3	1935.1	1721.2	1593.1	1451.3	1363.0
7201.9	45°	6863.7	6458.2	6147.3	4885.0	2765.9	1836.9	1681.4	1554.6	1397.9	1305.8
7678.3	47.5°	7297.7	6855.0	6417.2	4805.4	2547.0	1850.5	1659.0	1471.2	1298.4	1208.8
8159.5	50°	7733.0	7289.0	6678.4	4656.2	2453.7	1820.7	1575.7	1354.3	1150.4	1069.5
8611.0	52.5°	8164.5	7750.4	6903.5	4443.5	2359.2	1710.0	1468.7	1202.6	1089.4	1033.5
9077.4	55°	8598.6	8206.8	7148.5	4133.9	2122.9	1580.7	1289.7	1145.4	1040.9	989.9
9533.8	57.5°	9033.8	8734.1	7381.0	3824.2	1825.7	1421.5	1191.4	1075.8	992.4	948.9
9915.6	60°	9486.5	9337.3	7621.1	3539.4	1532.2	1217.5	1119.3	1019.8	935.2	886.7
10282.5	62.5°	9952.9	10001.4	7808.8	3172.5	1262.3	1093.2	1054.6	952.6	870.6	824.5
10585.9	65°	10423.0	10641.9	7932.0	2663.9	1023.5	975.0	985.0	879.3	795.9	756.1
10808.5	67.5°	10777.4	11103.3	7897.1	2015.9	839.5	863.1	897.9	802.2	723.8	692.7
10772.4	70°	10817.2	11048.5	7553.9	1380.4	702.7	753.6	800.9	726.3	645.5	623.1
10265.0	72.5°	10287.4	10302.3	6597.5	901.6	594.5	661.6	698.9	649.2	570.8	548.4
8980.4	75°	8898.3	8520.2	4844.0	594.5	497.5	568.3	603.2	568.3	492.5	497.5
6719.4	77.5°	6741.8	6034.2	2941.2	422.8	415.4	477.6	524.8	499.9	435.3	488.8
3379.0	80°	3473.5	3264.6	1312.0	315.9	328.3	381.8	431.5	399.2	344.5	328.3
754.9	82.5°	795.9	925.3	517.4	226.3	237.5	274.8	329.6	299.7	247.5	208.9
314.6	85°	278.6	304.7	228.8	141.8	139.3	171.6	223.9	200.2	167.9	134.3
133.1	87.5°	88.3	115.7	85.8	57.2	59.7	77.1	103.2	94.5	78.3	51.0
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>
2641.5
2713.6
2828.0
2958.6
3078.0
3143.9
3212.3
3263.3
3272.0
3233.5
3089.2
2856.7
2555.7
2242.3
1937.6
1673.9
1476.2
1380.4
1320.8
1221.3
1074.5
1033.5
985.0
941.4
883.0
823.3
754.9
694.0
624.3
547.2
480.0
430.3
299.7
206.4
141.8
53.5
0.0

F REPORT)