

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: P944577

Luminaire Tested: **GALN-SB9C-830-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944577
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-SB9C-830-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 61335 lumens
Efficiency: N/A
Efficacy: 136.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G5

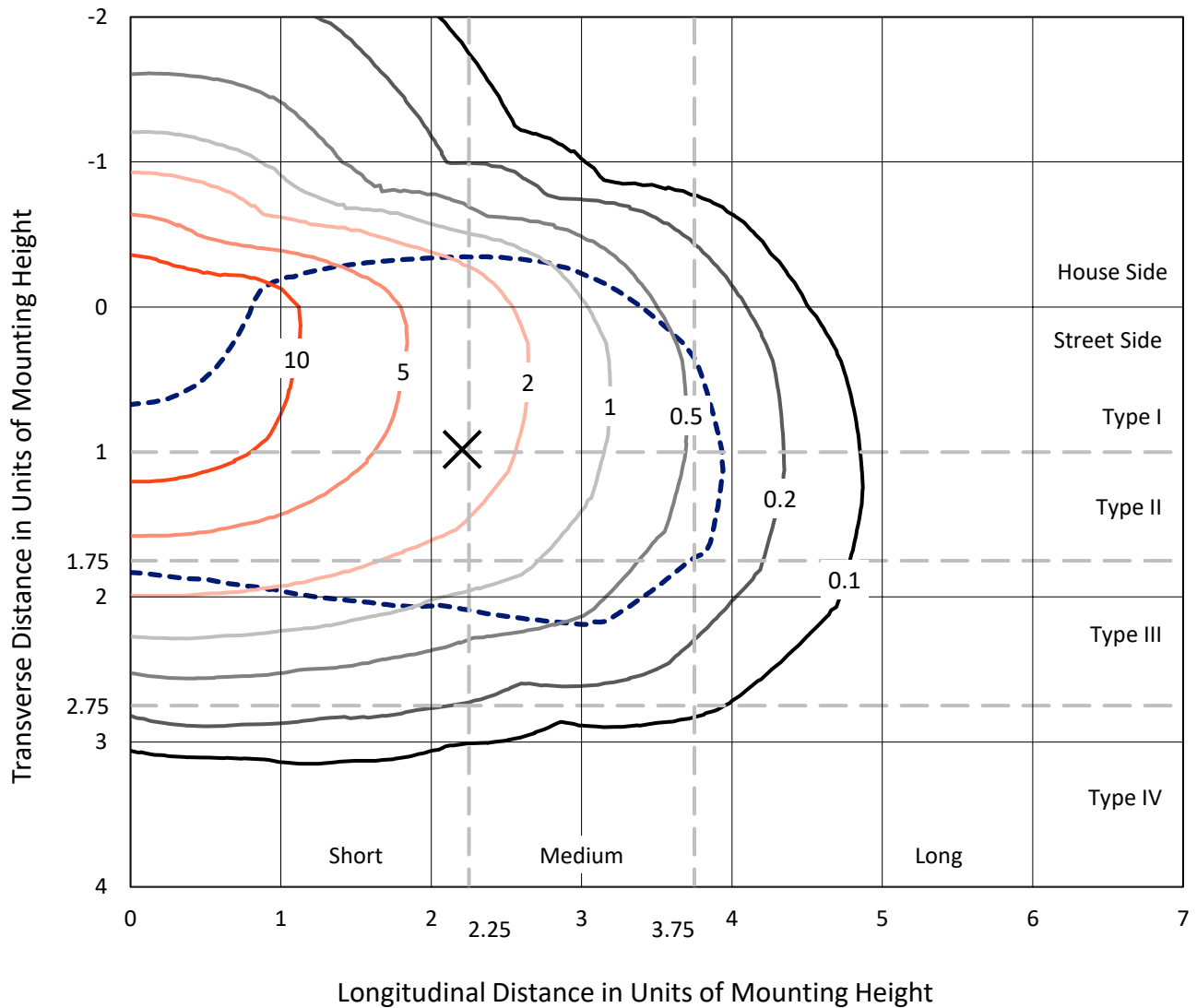
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P944577
 CATALOG NUMBER: GALN-SB9C-830-U-T3

Iso-Footcandle Lines of Horizontal Illumination

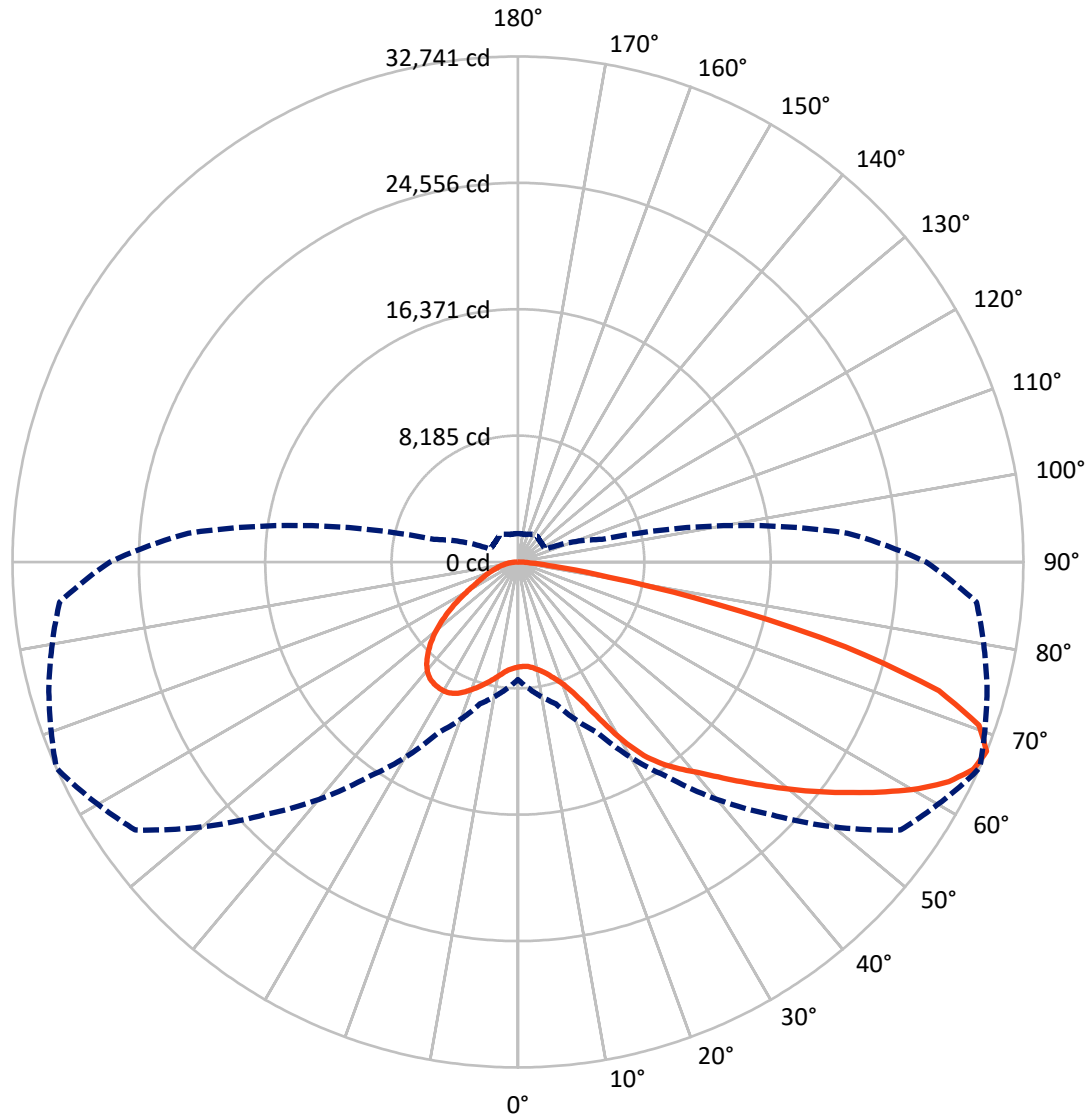
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.4 fc
 Type III - Short - N/A

REPORT NUMBER: P944577
CATALOG NUMBER: GALN-SB9C-830-U-T3

Luminous Intensity Polar Plot



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

REPORT NUMBER: P944577
 CATALOG NUMBER: GALN-SB9C-830-U-T3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15250.8	0.0	15250.8
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	46084.2	0.0	46084.2
	% Fixture	75.1	0.0	75.1
Total	Lumens	61335.0	0.0	61335.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	674.5	1.1
10°-20°	2228.4	3.6
20°-30°	4295.1	7.0
30°-40°	7530.9	12.3
40°-50°	11195.9	18.3
50°-60°	14191.9	23.1
60°-70°	13886.4	22.6
70°-80°	6624.0	10.8
80°-90°	707.9	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°	61335.0	100.0
0°-180°	61335.0	100.0

Coefficient of Utilization



REPORT NUMBER: P944577

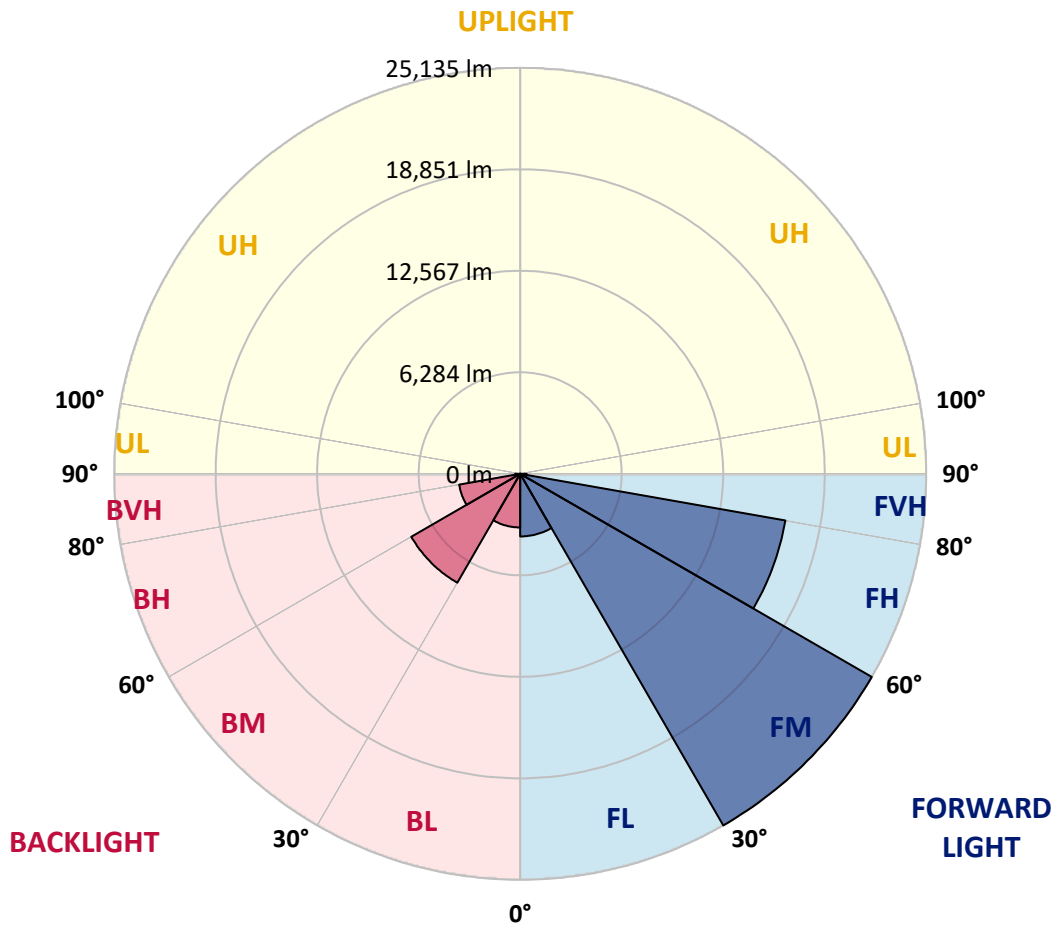
CATALOG NUMBER: GALN-SB9C-830-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3875.8	6.3			
FM (30°-60°)	25134.6	41.0			
FH (60°-80°)	16672.5	27.2			G5
FVH (80°-90°)	401.4	0.7			G3/500
BL (0°-30°)	3322.2	5.4	B4/5000		
BM (30°-60°)	7784.2	12.7	B4/8500		
BH (60°-80°)	3837.9	6.3	B4/5000		G4/5000
BVH (80°-90°)	306.6	0.5			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type III Short



REPORT NUMBER: P944577

CATALOG NUMBER: GALN-SB9C-830-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	6802.9	6802.9	6802.9	6802.9	6802.9	6802.9	6802.9	6802.9	6802.9	6802.9
2.5°	6732.0	6770.6	6761.0	6744.9	6741.6	6748.1	6757.7	6767.4	6764.2	6780.3
5°	6712.6	6751.3	6748.1	6748.1	6761.0	6786.7	6802.9	6819.0	6802.9	6822.2
7.5°	6725.5	6754.5	6767.4	6780.3	6812.5	6860.9	6899.5	6935.0	6915.7	6938.2
10°	6889.9	6912.4	6925.3	6925.3	6947.9	7002.7	7041.3	7105.8	7089.7	7125.1
12.5°	7189.6	7212.1	7212.1	7199.2	7215.4	7250.8	7263.7	7334.6	7305.6	7363.6
15°	7556.9	7602.1	7566.6	7544.1	7550.5	7585.9	7582.7	7637.5	7608.5	7656.8
17.5°	7963.0	8021.0	7963.0	7959.8	7946.9	7985.5	7988.8	8037.1	7985.5	8021.0
20°	8443.2	8523.7	8475.4	8491.5	8462.5	8478.6	8494.7	8565.6	8485.0	8510.8
22.5°	9119.9	9216.6	9165.0	9226.2	9206.9	9194.0	9190.8	9316.5	9190.8	9200.5
25°	10106.0	10222.0	10131.8	10215.6	10215.6	10257.5	10305.8	10466.9	10257.5	10196.2
27.5°	11562.6	11678.6	11501.4	11552.9	11536.8	11640.0	11588.4	11988.0	11762.4	11662.5
30°	13315.7	13521.9	13186.8	13173.9	13157.8	13322.1	13396.3	13660.5	13431.7	13331.8
32.5°	15210.6	15426.5	15026.9	14910.9	14849.6	14949.5	14888.3	15101.0	14943.1	14788.4
35°	17215.0	17427.7	17047.4	16821.9	16576.9	16367.5	16148.3	16203.1	16054.9	15819.6
37.5°	19109.9	19499.8	19097.0	18855.3	18404.1	17994.9	17382.6	17128.0	16989.4	16773.5
40°	21040.2	21262.6	20956.4	20750.2	20260.3	19619.1	18639.4	18101.2	17914.3	17704.8
42.5°	22461.4	22674.1	22509.7	22367.9	21984.4	21240.0	19973.5	19300.0	19029.3	18794.1
45°	23589.3	23747.2	23644.1	23695.6	23531.3	22809.4	21356.0	20585.8	20305.5	20018.7
47.5°	24043.7	24211.2	24375.6	24681.7	24962.1	24430.4	22841.6	21978.0	21681.5	21388.2
50°	23992.1	24162.9	24639.8	25290.8	26160.9	25983.6	24407.8	23460.4	23186.4	22851.3
52.5°	23579.6	23773.0	24385.2	25468.0	26853.7	27147.0	26003.0	24991.1	24733.3	24333.7
55°	22496.8	22612.8	23531.3	25065.2	27018.1	27959.1	27565.9	26621.7	26363.9	25806.4
57.5°	20489.2	20656.7	21994.1	23979.2	26605.6	28510.1	28938.8	28336.1	28088.0	27285.6
60°	17869.2	18136.7	19667.4	22155.2	25555.0	28506.9	30185.9	30021.5	29815.3	28742.2
62.5°	14904.4	15213.8	16686.5	19577.2	23718.2	27698.1	30965.8	31433.0	31326.7	30086.0
65°	11446.6	11659.3	13125.6	16241.8	20859.7	25961.1	31056.0	32396.6	32415.9	31107.5
67.5°	7621.4	8233.7	9506.6	12187.8	17031.3	23122.0	30263.2	32554.5	32741.4	31458.8
70°	3718.9	4524.5	5771.6	7921.1	12187.8	18768.3	28191.1	31259.0	31674.7	30434.0
72.5°	1543.6	1804.6	2484.6	3909.0	6996.2	12664.7	24027.5	27746.4	28516.6	26966.5
75°	1040.9	1127.9	1421.2	2004.4	3187.1	6245.4	17327.8	20689.0	21929.6	20366.7
77.5°	802.4	857.2	1034.4	1401.8	1894.9	2362.1	9274.6	12468.2	13109.4	12136.2
80°	631.6	673.5	773.4	1021.6	1343.8	1263.3	3161.3	5649.2	6019.8	5049.8
82.5°	547.8	564.0	554.3	692.9	892.7	738.0	1037.7	2085.0	2300.9	1669.3
85°	396.4	441.5	460.8	428.6	473.7	373.8	425.4	738.0	812.1	725.1
87.5°	161.1	238.5	293.3	277.1	174.0	106.3	132.1	215.9	248.1	270.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P944577
 CATALOG NUMBER: GALN-SB9C-830-U-T3

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
6802.9	0°	6802.9	6802.9	6802.9	6802.9	6802.9	6802.9	6802.9	6802.9	6802.9	6802.9
6806.1	2.5°	6809.3	6831.9	6848.0	6867.3	6880.2	6899.5	6938.2	6960.8	6964.0	6980.1
6857.6	5°	6870.5	6902.8	6938.2	6989.8	7047.8	7096.1	7170.2	7221.8	7241.1	7257.2
6983.3	7.5°	7002.7	7047.8	7112.2	7202.5	7286.2	7350.7	7440.9	7502.2	7563.4	7585.9
7183.1	10°	7199.2	7263.7	7357.1	7479.6	7569.8	7653.6	7747.1	7798.6	7859.9	7885.6
7421.6	12.5°	7444.2	7511.8	7634.3	7805.1	7888.9	7946.9	7979.1	7966.2	7979.1	8001.7
7708.4	15°	7724.5	7798.6	7937.2	8120.9	8178.9	8127.3	8056.4	7992.0	7982.3	7988.8
8056.4	17.5°	8056.4	8111.2	8272.4	8427.0	8385.1	8172.5	8017.8	7914.7	7863.1	7847.0
8501.2	20°	8520.5	8520.5	8652.6	8749.3	8468.9	8108.0	7866.3	7698.7	7592.4	7547.3
9107.0	22.5°	9084.4	9032.9	9116.7	9049.0	8452.8	7927.5	7592.4	7302.4	7141.2	7076.8
9954.5	25°	9799.9	9738.6	9716.1	9297.1	8336.8	7640.7	7096.1	6744.9	6603.1	6567.6
11175.9	27.5°	10879.4	10724.7	10431.5	9432.5	8124.1	7189.6	6516.1	6190.6	6110.0	6113.2
12745.3	30°	12316.7	12007.3	11288.7	9455.0	7776.1	6551.5	5923.1	5691.1	5652.4	5668.5
14063.3	32.5°	13647.6	13354.4	12165.2	9351.9	7241.1	5926.3	5391.4	5236.7	5178.7	5198.0
15068.8	35°	14691.7	14611.2	12977.3	9206.9	6583.7	5339.8	4914.4	4782.3	4669.5	4643.7
16016.2	37.5°	15677.8	15645.6	13586.4	9003.9	5932.8	4924.1	4530.9	4356.9	4192.6	4102.3
17063.6	40°	16760.6	16728.4	13986.0	8691.3	5355.9	4563.2	4186.1	3957.3	3754.3	3590.0
18249.5	42.5°	17978.8	17788.6	14176.1	8243.4	4866.1	4257.0	3905.8	3596.4	3328.9	3177.5
19590.1	45°	19309.7	18881.1	14172.9	7673.0	4453.6	3976.7	3606.1	3167.8	2919.7	2777.9
20966.1	47.5°	20721.2	19925.2	13998.9	7041.3	4054.0	3667.3	3142.0	2806.9	2642.5	2555.5
22461.4	50°	22177.8	20901.6	13702.4	6316.3	3644.7	3316.0	2852.0	2623.2	2497.5	2416.9
23943.8	52.5°	23547.4	21787.8	13344.7	5494.5	3229.0	2974.4	2723.1	2545.8	2413.7	2323.5
25381.0	55°	24820.3	22551.6	12838.8	4653.4	2890.7	2745.6	2661.8	2513.6	2362.1	2255.8
26840.9	57.5°	25951.4	23047.9	11965.4	3863.9	2649.0	2587.7	2597.4	2458.8	2284.8	2194.6
28278.1	60°	26892.4	23412.0	10673.2	3132.3	2452.4	2433.0	2497.5	2355.7	2152.7	2049.6
29493.0	62.5°	27456.4	23405.6	9087.7	2565.2	2284.8	2291.3	2365.4	2226.8	2020.6	1923.9
30127.9	65°	27408.0	22832.0	7347.5	2194.6	2123.7	2130.1	2226.8	2085.0	1911.0	1853.0
29808.8	67.5°	26438.0	21433.4	5636.3	1952.9	1946.4	1975.4	2088.2	1988.3	1843.3	1836.9
27907.5	70°	23811.6	18529.8	4060.4	1759.5	1762.8	1804.6	1952.9	1927.1	1807.9	1820.8
23463.6	72.5°	19093.8	14127.8	2726.3	1556.5	1559.7	1627.4	1824.0	1878.8	1772.4	1943.2
16647.8	75°	12716.3	8810.5	1753.1	1340.6	1343.8	1430.8	1711.2	1785.3	1675.7	1936.8
8662.3	77.5°	6110.0	3960.5	1269.7	1127.9	1127.9	1208.5	1479.2	1598.4	1427.6	1504.9
2784.3	80°	2110.8	1488.8	999.0	908.8	889.4	944.2	1247.1	1385.7	1231.0	1134.3
908.8	82.5°	831.4	773.4	802.4	705.7	641.3	676.7	970.0	1144.0	905.5	818.5
512.4	85°	476.9	502.7	567.2	467.3	370.6	415.7	712.2	821.8	683.2	602.6
167.6	87.5°	128.9	177.2	261.0	241.7	167.6	177.2	338.4	454.4	393.2	302.9
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

180°
6802.9
6976.9
7254.0
7589.2
7898.5
8008.1
8011.3
7869.5
7537.6
7067.1
6574.1
6122.9
5723.3
5223.8
4663.1
4105.6
3606.1
3187.1
2771.4
2536.2
2387.9
2284.8
2213.9
2136.6
2004.4
1894.9
1849.8
1846.5
1817.5
1969.0
1952.9
1379.3
1063.5
815.3
615.5
312.6
0.0

F REPORT)