

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: P953133

Luminaire Tested: **GALN-SB6D-740-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953133
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6D-740-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 63805 lumens
Efficiency: N/A
Efficacy: 145.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B4 - U0 - G5

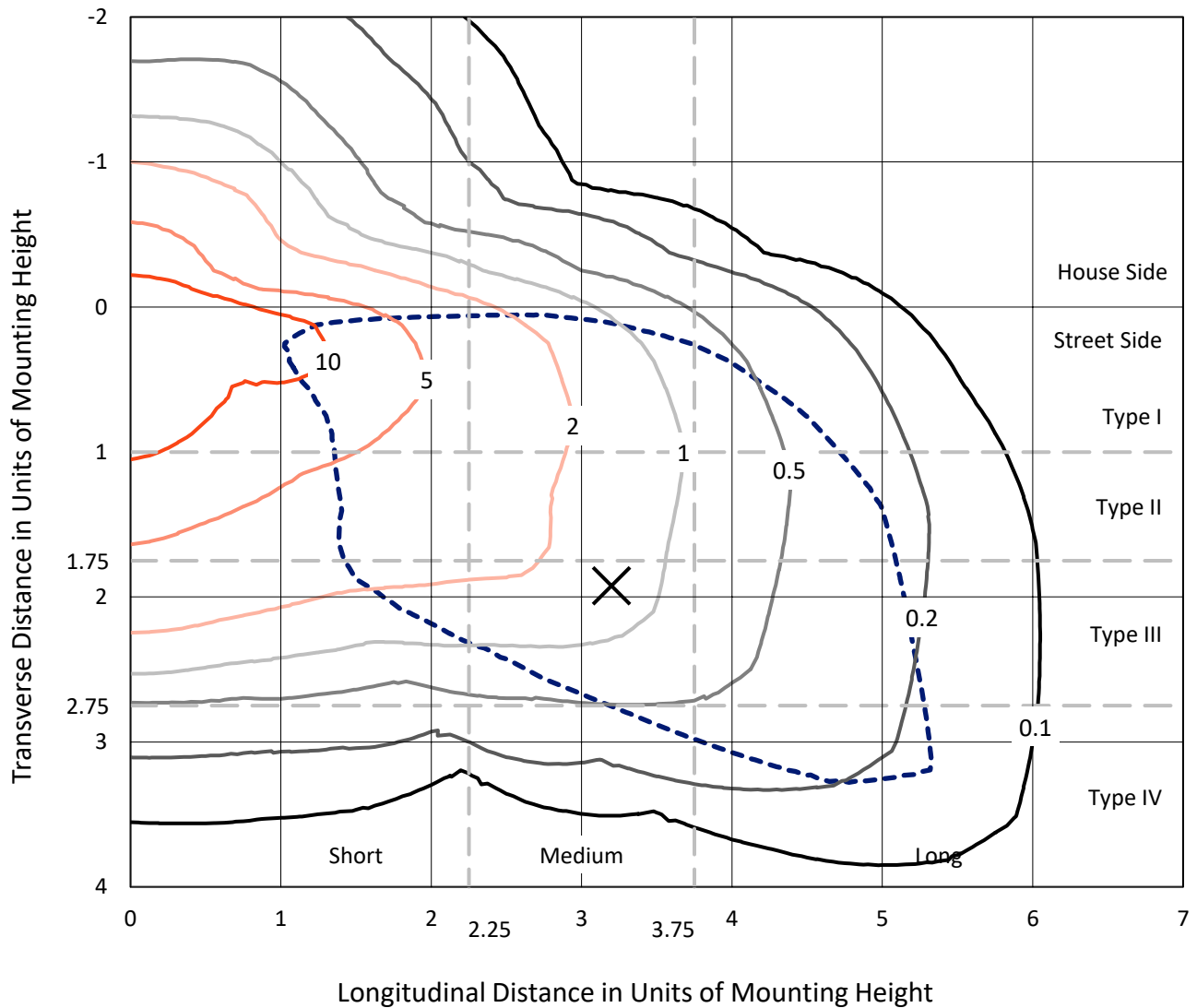
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P953133
 CATALOG NUMBER: GALN-SB6D-740-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

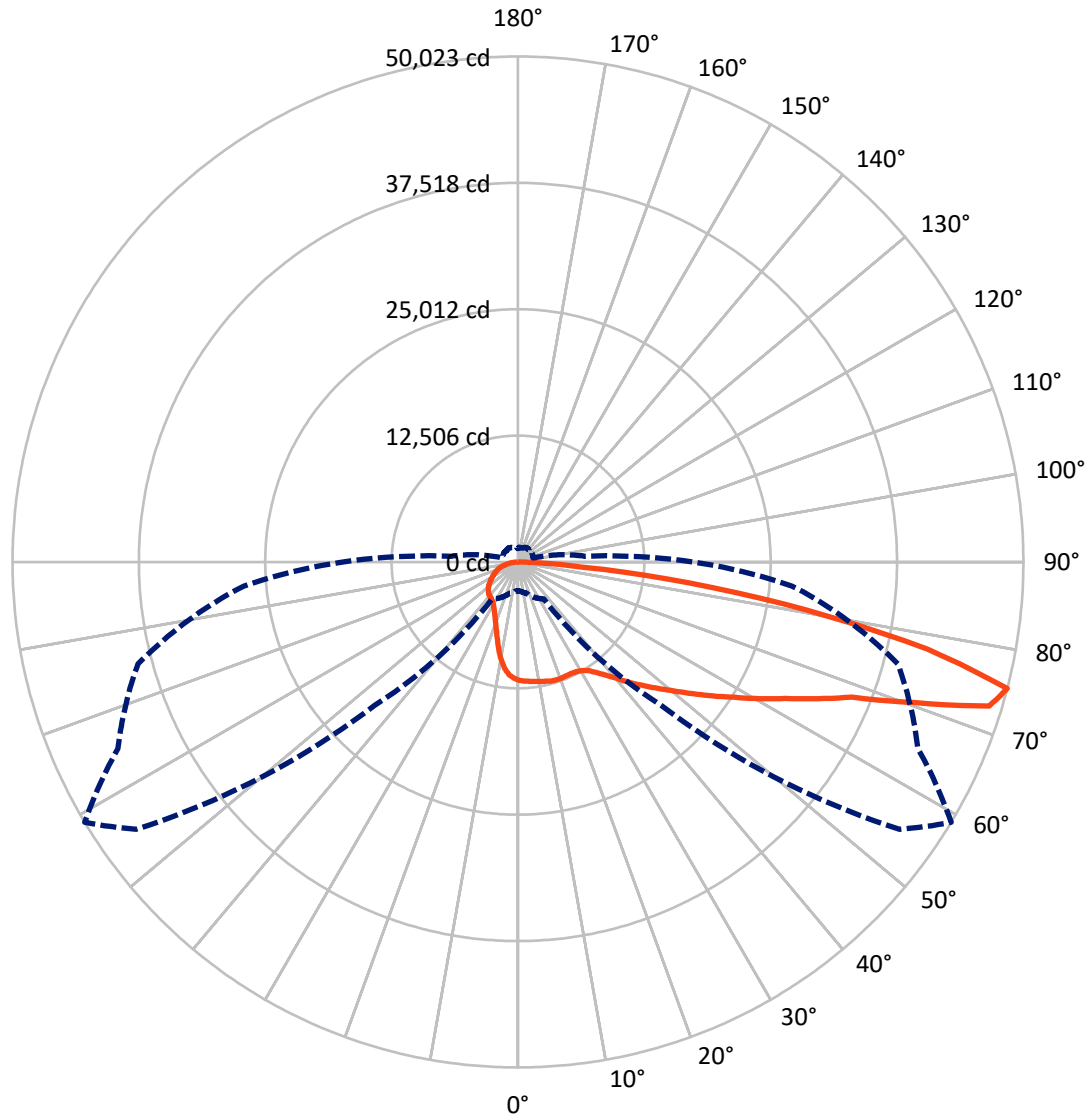
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.7 fc
 Type IV - Medium - N/A

REPORT NUMBER: P953133
CATALOG NUMBER: GALN-SB6D-740-U-SL3

Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P953133
 CATALOG NUMBER: GALN-SB6D-740-U-SL3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11967.1	0.0	11967.1
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	51837.9	0.0	51837.9
	% Fixture	81.2	0.0	81.2
Total	Lumens	63805.0	0.0	63805.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1050.1	1.6
10°-20°	2684.1	4.2
20°-30°	4077.0	6.4
30°-40°	6060.3	9.5
40°-50°	9012.8	14.1
50°-60°	12233.8	19.2
60°-70°	14935.4	23.4
70°-80°	11721.1	18.4
80°-90°	2030.4	3.2
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°	63805.0	100.0
0°-180°	63805.0	100.0



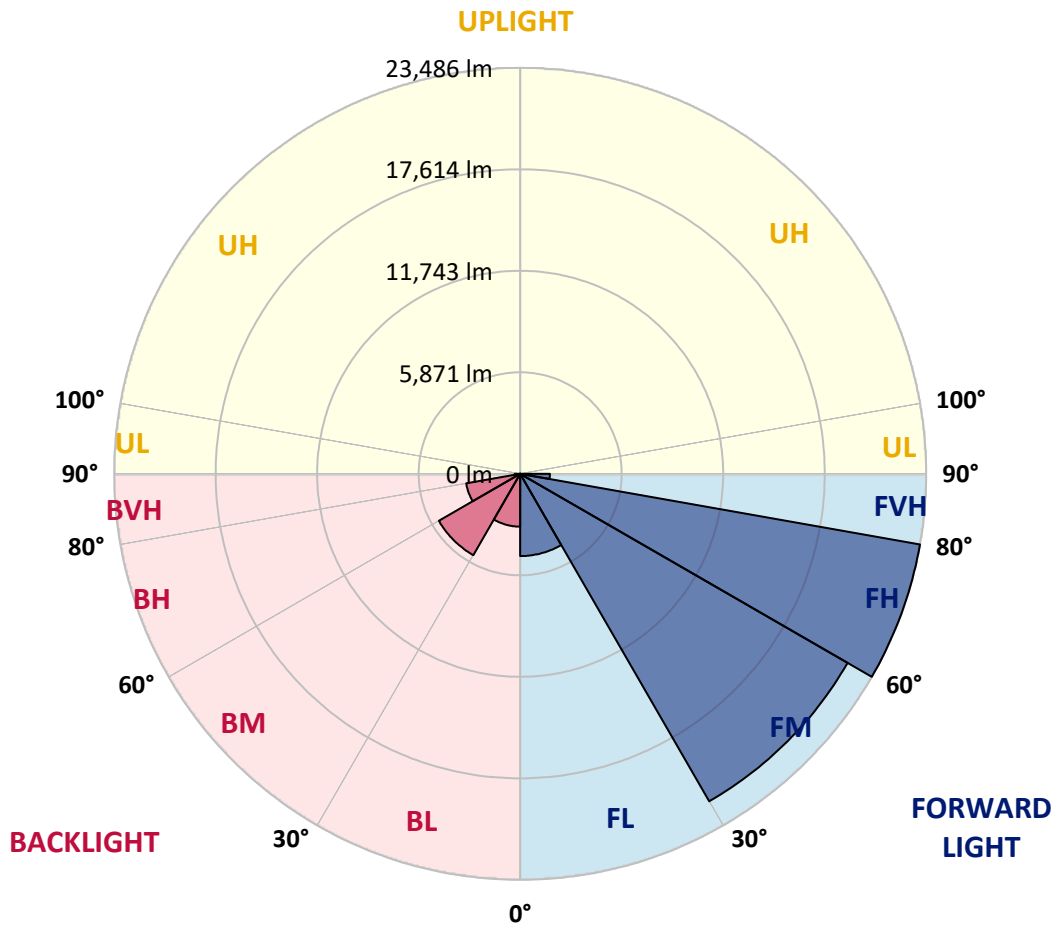
REPORT NUMBER: P953133
 CATALOG NUMBER: GALN-SB6D-740-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4757.4	7.5			
FM (30°-60°)	21875.0	34.3			
FH (60°-80°)	23486.0	36.8			G5
FVH (80°-90°)	1719.6	2.7			G5
BL (0°-30°)	3053.9	4.8	B4/5000		
BM (30°-60°)	5431.9	8.5	B4/8500		
BH (60°-80°)	3170.5	5.0	B4/5000		G4/5000
BVH (80°-90°)	310.8	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 IV Medium



REPORT NUMBER: P953133
 CATALOG NUMBER: GALN-SB6D-740-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	11711.3	11711.3	11711.3	11711.3	11711.3	11711.3	11711.3	11711.3	11711.3	11711.3
2.5°	11810.8	11769.6	11810.8	11793.6	11786.8	11773.0	11776.5	11800.5	11786.8	11803.9
5°	11731.9	11707.8	11749.0	11738.7	11783.3	11790.2	11834.8	11862.3	11879.5	11882.9
7.5°	11601.4	11577.4	11635.8	11683.8	11779.9	11807.4	11900.0	11944.7	11968.7	12009.9
10°	11124.3	11114.0	11258.2	11440.1	11666.6	11807.4	11948.1	12023.6	12061.4	12171.2
12.5°	10280.0	10293.7	10482.5	10832.6	11285.7	11738.7	12003.0	12112.9	12171.2	12308.5
15°	9473.4	9469.9	9675.9	10050.0	10685.0	11436.7	12030.5	12219.3	12318.8	12521.3
17.5°	9006.6	8992.8	9137.0	9421.9	10012.2	10973.3	11961.8	12277.6	12490.4	12744.4
20°	8920.7	8893.3	8968.8	9109.5	9528.3	10465.3	11783.3	12277.6	12627.7	12957.2
22.5°	9233.1	9188.5	9157.6	9140.4	9325.8	10046.6	11580.8	12236.4	12830.2	13262.7
25°	9861.2	9792.6	9634.7	9480.2	9425.3	9857.8	11402.4	12226.1	13132.3	13674.6
27.5°	10877.2	10791.4	10472.2	10101.5	9768.5	9953.9	11323.4	12287.9	13465.2	14110.5
30°	12136.9	12044.2	11642.6	11072.8	10475.6	10310.9	11422.9	12469.8	13890.8	14690.6
32.5°	13266.1	13163.2	12819.9	12239.9	11433.2	10928.7	11738.7	12816.5	14560.1	15497.2
35°	14268.4	14148.3	13839.3	13303.9	12607.1	11797.1	12308.5	13430.9	15510.9	16808.3
37.5°	15250.0	15109.3	14772.9	14206.6	13719.2	12953.8	13094.5	14220.3	16774.0	18401.0
40°	16348.4	16145.9	15737.4	15178.0	14704.3	14309.6	14127.7	15188.3	18057.7	20178.9
42.5°	17412.4	17220.2	16732.8	16255.7	15661.9	15548.7	15325.6	16320.9	19461.6	22132.0
45°	18558.9	18328.9	17738.5	17134.4	16760.3	16372.4	16485.7	17453.6	20838.0	24122.7
47.5°	19633.2	19375.8	18679.0	18006.2	17800.3	17065.8	17549.7	18699.6	22269.3	26141.0
50°	20213.3	19959.3	19379.2	18771.7	18610.3	17920.4	18703.0	20069.1	23769.2	28152.3
52.5°	20697.2	20422.6	19664.1	19327.7	19279.7	18850.6	20124.0	21634.3	25269.1	29930.3
55°	21212.1	20906.6	19938.7	19636.6	19856.3	19894.0	21809.3	23408.8	26854.9	31663.7
57.5°	21805.9	21418.0	20203.0	19897.5	20419.2	21116.0	23745.2	25248.6	28413.2	33270.0
60°	22365.4	21974.1	20711.0	20312.8	21026.7	22533.5	25965.9	27476.2	30177.4	34701.3
62.5°	22475.2	22152.6	21116.0	21112.5	21850.5	24188.0	28595.1	29724.4	31718.6	36115.5
65°	20573.7	20371.1	19756.8	21081.7	23031.2	26570.0	31522.9	32600.7	33678.5	37351.1
67.5°	15658.5	15686.0	15641.3	18198.5	22077.0	29992.1	35761.9	35679.5	36098.3	38737.8
70°	7159.9	7321.3	8371.6	12562.5	17687.0	30386.8	42770.8	41703.4	39135.9	40532.9
72.5°	3868.3	3991.9	4420.9	6085.6	10633.5	27016.2	48008.6	48767.2	43175.9	41741.1
75°	2838.6	2907.2	3205.8	3868.3	4465.5	20079.4	46131.1	50023.4	43680.4	38923.1
77.5°	2124.6	2155.5	2399.2	3065.1	2286.0	10585.4	36860.3	41428.8	37392.3	31979.4
80°	1541.1	1575.5	1757.4	2299.7	1602.9	3871.7	25310.3	29079.1	25609.0	20384.9
82.5°	1064.0	1077.8	1156.7	1565.2	1119.0	1503.4	14361.1	17052.0	14295.8	7153.1
85°	641.9	659.0	693.3	913.0	635.0	713.9	6198.9	6411.7	4273.3	1709.3
87.5°	264.3	281.5	308.9	384.4	250.6	199.1	1022.8	1283.7	799.7	501.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P953133
 CATALOG NUMBER: GALN-SB6D-740-U-SL3

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
11711.3	0°	11711.3	11711.3	11711.3	11711.3	11711.3	11711.3	11711.3	11711.3	11711.3	11711.3
11745.6	2.5°	11728.4	11704.4	11639.2	11549.9	11467.6	11364.6	11320.0	11282.2	11247.9	11182.7
11838.3	5°	11800.5	11735.3	11560.2	11333.7	11076.3	10794.8	10520.2	10331.5	10170.1	10050.0
11944.7	7.5°	11910.3	11786.8	11467.6	11004.2	10413.8	9809.7	9264.0	8876.1	8584.4	8478.0
12095.7	10°	12023.6	11876.0	11320.0	10503.1	9483.7	8553.5	7829.2	7431.1	7197.7	7122.2
12274.2	12.5°	12157.5	11941.2	11090.0	9806.3	8443.6	7424.2	6792.7	6559.3	6439.1	6397.9
12493.8	15°	12353.1	11996.2	10743.3	8934.5	7451.7	6600.5	6192.0	6030.7	5968.9	5965.5
12720.4	17.5°	12500.7	12006.4	10204.5	8000.9	6689.7	6102.8	5766.4	5704.6	5745.8	5807.6
12943.5	20°	12665.5	11913.8	9497.4	7149.6	6154.2	5666.9	5526.1	5567.3	5666.9	5756.1
13238.7	22.5°	12782.2	11745.6	8642.7	6487.2	5690.9	5416.3	5409.4	5495.2	5550.2	5594.8
13585.3	25°	12885.1	11460.7	7736.6	5931.1	5309.9	5265.3	5340.8	5313.3	5275.6	5313.3
13932.0	27.5°	12960.7	11011.1	6926.5	5443.7	5042.2	5162.3	5117.7	5055.9	5052.5	5073.1
14340.5	30°	12936.6	10410.4	6260.7	4980.4	4853.4	4970.1	4863.7	4853.4	4843.1	4853.4
14954.9	32.5°	12936.6	9727.4	5749.2	4661.2	4733.2	4688.6	4678.3	4654.3	4613.1	4609.7
15788.9	35°	13008.7	9044.3	5309.9	4489.5	4633.7	4527.3	4534.2	4475.8	4390.0	4348.8
16894.2	37.5°	13156.3	8495.1	4874.0	4407.2	4458.7	4455.2	4427.8	4328.2	4177.2	4046.8
18274.0	40°	13513.3	8333.8	4575.4	4369.4	4376.3	4417.5	4345.4	4153.2	3809.9	3597.1
19674.4	42.5°	14072.7	8605.0	4510.1	4276.7	4321.4	4362.5	4221.8	3775.6	3531.9	3404.9
21143.4	45°	14783.2	9078.6	4650.9	4142.9	4190.9	4263.0	3844.3	3631.5	3521.6	3525.0
22598.8	47.5°	15682.5	9576.3	4911.7	4026.2	4002.1	4043.3	3593.7	3463.3	3312.2	3350.0
23995.7	50°	16722.5	10080.9	5158.9	3868.3	3792.8	3658.9	3432.4	3308.8	3116.6	3027.4
25344.7	52.5°	17848.4	10568.3	5258.4	3676.1	3566.2	3411.8	3322.5	3171.5	2938.1	2790.5
26618.1	55°	18915.8	11011.1	5148.6	3446.1	3339.7	3219.6	3205.8	3113.2	2862.6	2656.7
27750.8	57.5°	19924.9	11381.8	4874.0	3212.7	3109.7	3037.7	3130.3	3085.7	2769.9	2505.6
28821.7	60°	20779.6	11635.8	4475.8	2975.9	2903.8	2866.0	3006.8	2993.0	2639.5	2344.3
29782.7	62.5°	21459.2	11735.3	4036.5	2749.3	2732.2	2663.5	2835.1	2835.1	2474.7	2186.4
30627.1	65°	21991.2	11639.2	3590.3	2526.2	2560.6	2457.6	2625.8	2605.2	2299.7	2045.7
31598.4	67.5°	22461.5	11323.4	3096.0	2306.6	2385.5	2255.1	2406.1	2358.0	2107.5	1905.0
32439.4	70°	22670.8	10588.9	2533.1	2086.9	2183.0	2056.0	2186.4	2097.2	1891.2	1753.9
31516.1	72.5°	20989.0	8800.6	1994.2	1856.9	1939.3	1836.3	1949.6	1846.6	1657.8	1596.1
27215.3	75°	17364.4	6603.9	1534.3	1606.4	1668.1	1589.2	1664.7	1589.2	1417.6	1462.2
20103.4	77.5°	12610.5	4458.7	1173.9	1342.1	1369.5	1328.3	1393.5	1307.7	1153.3	1143.0
10019.1	80°	6271.0	2612.0	919.9	1060.6	1050.3	1022.8	1098.4	1057.2	926.7	981.7
2704.7	82.5°	1815.7	1119.0	669.3	744.8	724.2	731.1	786.0	806.6	1208.2	1197.9
840.9	85°	569.8	439.3	401.6	415.3	394.7	405.0	463.4	919.9	851.2	497.7
260.9	87.5°	147.6	151.0	99.5	106.4	109.8	130.4	147.6	559.5	267.7	175.1
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>
11711.3
11151.8
9950.5
8292.6
7005.5
6408.2
5979.2
5831.6
5787.0
5618.8
5337.3
5107.4
4891.1
4654.3
4390.0
4091.4
3624.6
3404.9
3542.2
3446.1
3051.4
2787.1
2656.7
2491.9
2334.0
2176.1
2032.0
1891.2
1726.5
1544.6
1335.2
1091.5
971.4
1225.4
538.9
185.3
0.0

F REPORT)