

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: P957583

Luminaire Tested: **GALN-SB9D-927-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957583
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB9D-927-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 56077 lumens
Efficiency: N/A
Efficacy: 85.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G5

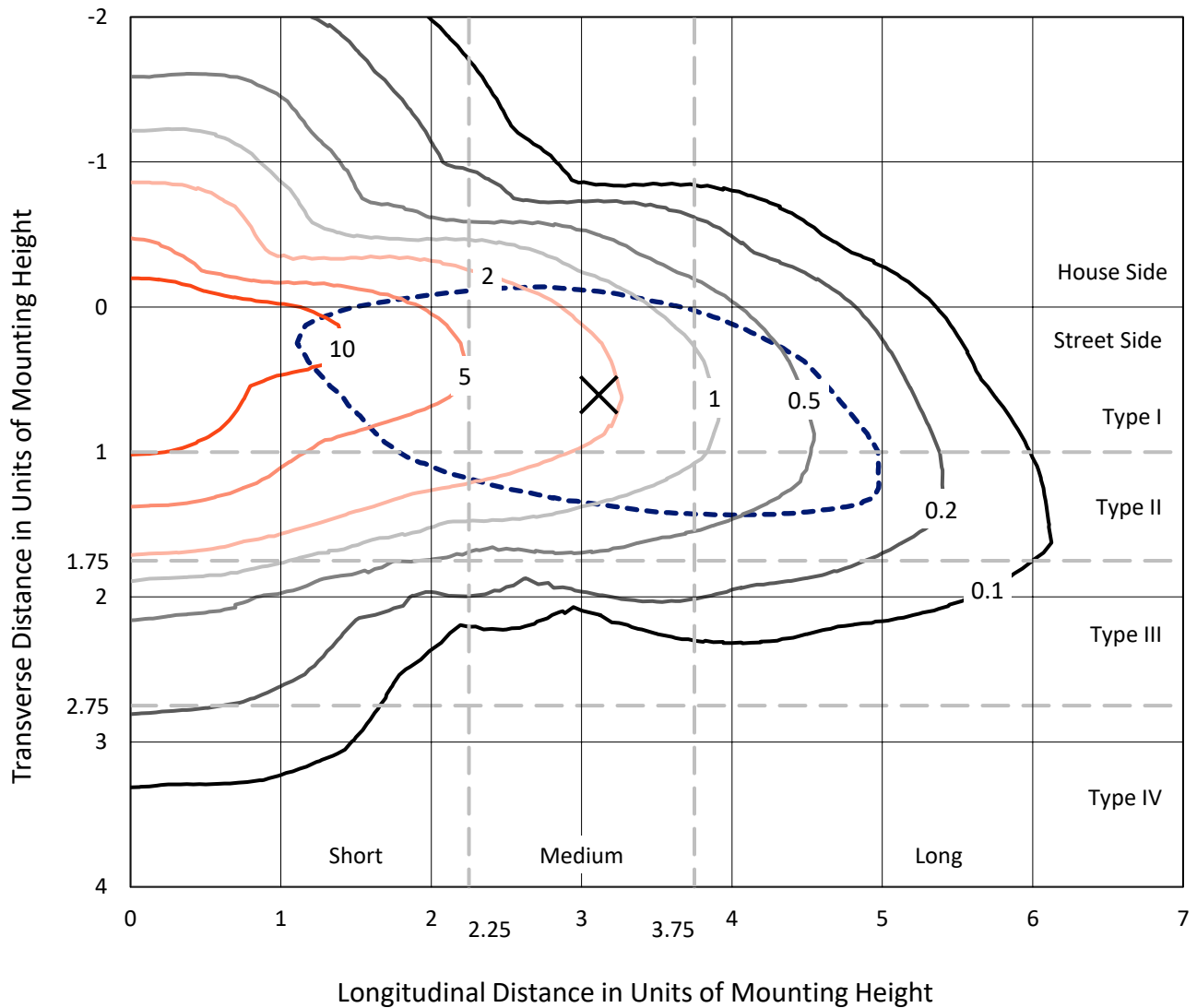
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P957583
 CATALOG NUMBER: GALN-SB9D-927-U-SL2

Iso-Footcandle Lines of Horizontal Illumination

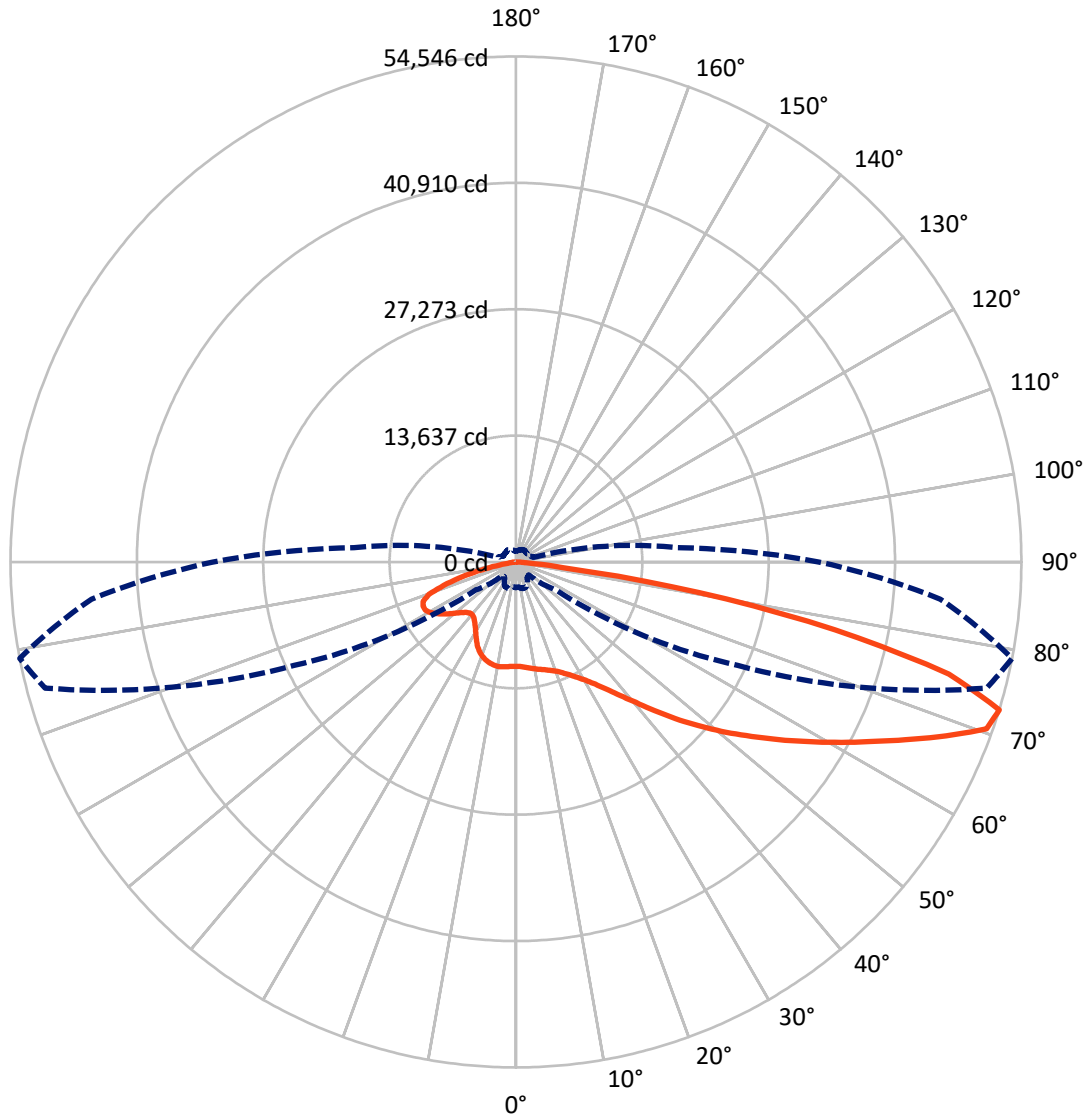
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.1 fc
 Type II - Medium - N/A

REPORT NUMBER: P957583
CATALOG NUMBER: GALN-SB9D-927-U-SL2

Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P957583

CATALOG NUMBER: GALN-SB9D-927-U-SL2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12340.0	0.0	12340.0
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	43737.0	0.0	43737.0
	% Fixture	78.0	0.0	78.0
Total	Lumens	56077.0	0.0	56077.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1021.8	1.8
10°-20°	2671.5	4.8
20°-30°	4310.7	7.7
30°-40°	6469.8	11.5
40°-50°	9177.7	16.4
50°-60°	11590.3	20.7
60°-70°	11771.5	21.0
70°-80°	8022.8	14.3
80°-90°	1040.9	1.9
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°	56077.0	100.0
0°-180°	56077.0	100.0

Coefficient of Utilization



REPORT NUMBER: P957583

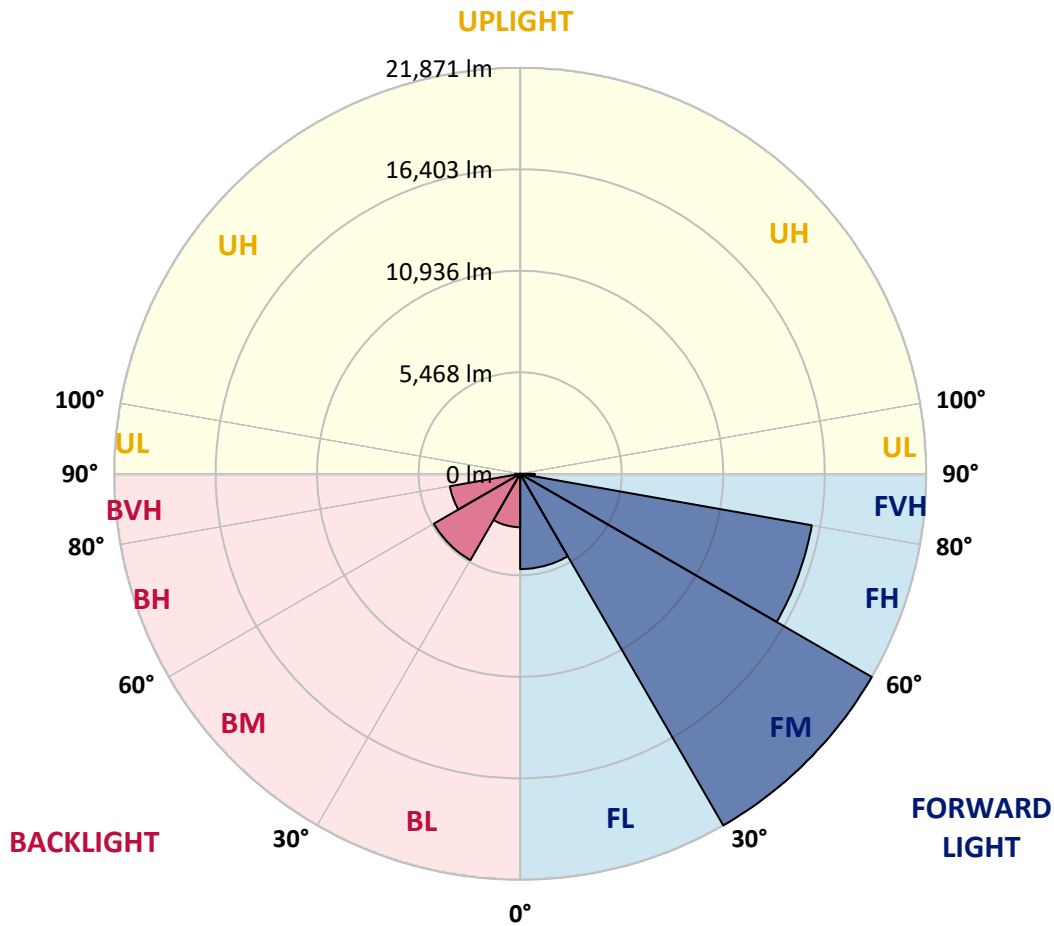
CATALOG NUMBER: GALN-SB9D-927-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5129.7	9.1			
FM (30°-60°)	21871.2	39.0			
FH (60°-80°)	15952.0	28.4			G5
FVH (80°-90°)	784.1	1.4			G5
BL (0°-30°)	2874.3	5.1	B4/5000		
BM (30°-60°)	5366.6	9.6	B4/8500		
BH (60°-80°)	3842.3	6.9	B4/5000		G4/5000
BVH (80°-90°)	256.8	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 II Medium



REPORT NUMBER: P957583
 CATALOG NUMBER: GALN-SB9D-927-U-SL2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°
0°	11256.9	11256.9	11256.9	11256.9	11256.9	11256.9	11256.9	11256.9	11256.9	11256.9
2.5°	11262.9	11209.5	11242.1	11230.2	11245.1	11262.9	11268.8	11277.7	11307.4	11304.4
5°	11239.1	11185.7	11230.2	11215.4	11254.0	11295.5	11331.1	11363.7	11411.2	11431.9
7.5°	11188.7	11153.1	11197.6	11242.1	11313.3	11375.6	11426.0	11500.2	11568.4	11580.2
10°	10895.0	10868.3	10972.2	11087.8	11283.6	11452.7	11562.4	11648.5	11722.6	11734.5
12.5°	10589.5	10556.9	10672.6	10829.8	11147.2	11452.7	11684.1	11796.8	11862.0	11900.6
15°	10539.1	10512.4	10577.7	10714.1	10978.1	11372.6	11767.1	11974.8	12031.1	12075.6
17.5°	10782.3	10731.9	10758.6	10806.1	10960.3	11298.5	11832.4	12176.5	12262.5	12309.9
20°	11345.9	11274.7	11233.2	11138.3	11111.6	11310.3	11826.4	12419.7	12532.4	12591.7
22.5°	12096.4	12048.9	11959.9	11719.7	11458.6	11455.7	11939.2	12731.2	12941.8	12998.1
25°	13004.0	12932.9	12820.1	12493.9	11992.6	11743.4	12129.0	13128.6	13481.6	13496.4
27.5°	14048.2	13941.4	13787.1	13357.0	12680.7	12194.3	12419.7	13585.4	14101.6	14095.6
30°	15148.6	15041.9	14878.7	14356.7	13505.3	12802.3	12823.1	14077.8	14837.2	14804.6
32.5°	15952.5	15872.4	15839.8	15436.4	14454.5	13520.2	13285.8	14623.6	15744.9	15715.2
35°	16569.5	16465.7	16504.2	16299.6	15489.8	14324.0	13852.4	15273.2	16848.3	16845.3
37.5°	17180.5	17088.6	17121.2	16984.8	16447.9	15344.4	14543.5	16068.2	18215.8	18281.0
40°	17738.2	17640.3	17770.8	17643.3	17192.4	16430.1	15329.6	16967.0	19799.7	19924.3
42.5°	18073.4	17996.2	18212.8	18215.8	17839.0	17346.6	16192.8	17957.7	21632.9	21911.7
45°	18189.1	18162.4	18488.6	18556.9	18411.5	17877.6	16969.9	19037.4	23608.4	24106.7
47.5°	18064.5	18014.0	18464.9	18717.0	18832.7	18126.8	17613.6	20206.1	25625.4	26355.1
50°	17435.6	17337.7	18008.1	18539.1	18951.4	18289.9	18263.2	21555.7	27918.4	28716.3
52.5°	16305.5	16231.3	16993.7	17916.2	18690.4	18370.0	18992.9	23030.0	30095.6	31127.8
55°	14860.9	14763.0	15602.5	16806.8	18040.7	18343.3	19722.6	24679.2	32664.4	33711.4
57.5°	12571.0	12375.2	13437.1	14860.9	16981.8	18310.7	20482.0	26319.5	35274.7	36529.4
60°	9231.0	8940.3	10242.5	11930.3	14911.3	17993.3	21422.3	28158.6	38407.0	39537.2
62.5°	5374.8	5205.8	6057.1	7632.2	11239.1	16124.5	21950.3	30297.3	41486.0	42672.5
65°	4173.5	4126.1	4200.2	4321.8	6255.8	12072.6	20321.8	32382.6	45401.4	46232.0
67.5°	3817.6	3782.0	3814.6	3586.2	3173.9	6724.5	16077.1	32910.6	49595.7	50100.0
70°	3393.4	3351.9	3458.6	3262.9	2497.6	3058.2	10387.8	30994.4	52932.8	53879.0
72.5°	2764.5	2717.1	2966.3	2877.3	2103.1	1963.7	5217.6	26441.2	52582.7	54546.4
75°	2123.8	2097.1	2393.8	2467.9	1714.5	1545.4	2503.5	19654.4	46273.5	48252.0
77.5°	1649.2	1628.5	1779.8	2049.7	1382.3	1198.4	1539.5	12467.2	34871.3	35218.3
80°	1236.9	1177.6	1317.0	1586.9	1076.7	875.0	1044.1	7270.3	22042.2	19980.7
82.5°	774.2	744.5	860.2	1059.0	759.4	602.1	679.3	4016.3	8833.5	5202.8
85°	442.0	430.1	468.7	605.1	412.3	347.1	388.6	1773.8	1613.6	1109.4
87.5°	178.0	172.0	213.6	269.9	151.3	127.5	136.4	427.1	356.0	329.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P957583
 CATALOG NUMBER: GALN-SB9D-927-U-SL2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
11256.9	0°	11256.9	11256.9	11256.9	11256.9	11256.9	11256.9	11256.9	11256.9	11256.9	11256.9
11301.4	2.5°	11289.6	11289.6	11248.0	11182.8	11108.6	11061.2	10984.0	10963.3	10883.2	10859.4
11402.3	5°	11426.0	11402.3	11274.7	11090.8	10838.7	10607.3	10352.2	10192.0	9966.6	9886.5
11601.0	7.5°	11598.0	11532.8	11313.3	10909.9	10381.9	9862.8	9322.9	8913.6	8522.0	8382.6
11764.2	10°	11755.3	11663.3	11289.6	10583.6	9670.0	8771.2	7911.0	7308.8	6852.0	6665.2
11945.1	12.5°	11912.5	11743.4	11132.3	10040.8	8658.5	7439.4	6522.8	6054.1	5772.3	5546.9
12093.4	15°	12060.8	11823.5	10889.1	9314.0	7549.1	6312.2	5635.9	5262.1	5036.7	4888.4
12309.9	17.5°	12232.8	11891.7	10524.3	8391.5	6493.1	5532.1	4980.3	4754.9	4710.4	4692.6
12606.6	20°	12473.1	11954.0	10043.7	7359.3	5716.0	4909.1	4624.4	4603.6	4600.7	4591.8
12962.5	22.5°	12731.2	12028.1	9408.9	6421.9	5054.5	4520.6	4470.1	4428.6	4401.9	4399.0
13392.6	25°	13036.7	12051.9	8614.0	5653.7	4490.9	4336.7	4277.3	4215.0	4197.2	4197.2
13882.1	27.5°	13333.3	11971.8	7688.5	4986.3	4173.5	4167.6	4090.5	4069.7	4066.7	4075.6
14439.7	30°	13629.9	11820.5	6769.0	4369.3	3989.6	3989.6	3962.9	3977.7	3989.6	4019.3
15205.0	32.5°	14030.4	11660.3	6000.7	3912.5	3829.4	3799.8	3826.5	3856.1	3868.0	3906.6
16210.6	35°	14617.7	11547.6	5389.7	3663.3	3663.3	3624.8	3639.6	3633.7	3607.0	3589.2
17426.7	37.5°	15394.8	11541.7	4885.4	3547.6	3523.9	3518.0	3520.9	3482.4	3378.6	3254.0
18898.0	40°	16329.2	11701.9	4496.8	3467.5	3449.8	3485.3	3467.5	3363.7	3079.0	2862.4
20707.4	42.5°	17583.9	12158.7	4247.7	3369.7	3423.1	3467.5	3396.4	3037.4	2844.6	2699.3
22768.9	45°	19061.1	12900.2	4120.1	3265.8	3372.6	3426.0	3081.9	2924.7	2770.5	2595.5
25017.4	47.5°	20734.1	13834.6	4090.5	3168.0	3259.9	3292.5	2948.5	2877.3	2702.3	2512.4
27277.6	50°	22555.4	14941.0	4170.5	3052.3	3096.8	2984.0	2904.0	2838.7	2657.8	2470.9
29594.3	52.5°	24438.9	16160.1	4330.7	2895.1	2933.6	2809.0	2886.2	2829.8	2631.1	2378.9
31988.1	55°	26289.9	17388.2	4485.0	2711.2	2767.5	2651.8	2835.7	2794.2	2509.4	2224.7
34542.0	57.5°	28170.5	18610.3	4636.3	2548.0	2607.3	2500.6	2755.6	2699.3	2373.0	2082.3
37330.3	60°	30125.3	19796.8	4707.4	2390.8	2432.3	2361.1	2634.0	2536.1	2218.8	1937.0
40071.1	62.5°	31955.4	20784.5	4591.8	2233.6	2260.3	2230.6	2473.9	2343.3	2064.5	1773.8
42927.6	65°	33791.5	21371.8	4235.8	2079.3	2085.3	2070.4	2248.4	2135.7	1883.6	1631.4
45428.1	67.5°	35455.6	21701.1	3669.3	1913.2	1898.4	1892.5	2037.8	1910.3	1708.6	1489.1
47329.5	70°	35808.6	20864.6	2803.1	1717.5	1717.5	1702.6	1806.4	1675.9	1515.8	1337.8
45968.0	72.5°	32705.9	17551.3	1990.4	1495.0	1518.7	1489.1	1575.1	1465.3	1320.0	1201.3
39617.3	75°	26372.9	12870.6	1447.5	1266.6	1308.1	1257.7	1337.8	1260.7	1136.1	1133.1
27301.4	77.5°	18120.8	7958.5	1050.1	1044.1	1073.8	1008.5	1100.5	1059.0	946.2	895.8
11882.8	80°	7733.0	3173.9	765.3	806.8	806.8	747.5	854.3	866.1	768.3	744.5
2292.9	82.5°	1539.5	901.7	536.9	554.7	522.1	504.3	605.1	670.4	925.5	1029.3
691.1	85°	462.7	332.2	323.3	302.6	267.0	269.9	356.0	673.3	830.6	474.6
228.4	87.5°	127.5	83.1	86.0	68.2	56.4	74.2	121.6	510.2	278.8	118.7
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>
11256.9
10898.0
9945.8
8400.4
6706.7
5621.0
4915.1
4704.5
4621.4
4431.6
4215.0
4099.4
4040.0
3939.2
3630.7
3256.9
2856.5
2693.4
2583.6
2497.6
2450.1
2361.1
2209.9
2076.4
1928.1
1770.9
1613.6
1471.3
1331.8
<i>1165.7</i>
1020.4
839.4
744.5
1032.3
409.3
100.9
0.0

F REPORT)