

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: STREETWORKS

Report Number: P848608

Luminaire Tested: **GLAN-SB5B-730-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848608
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5B-730-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27496 lumens
Efficiency: N/A
Efficacy: 150.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

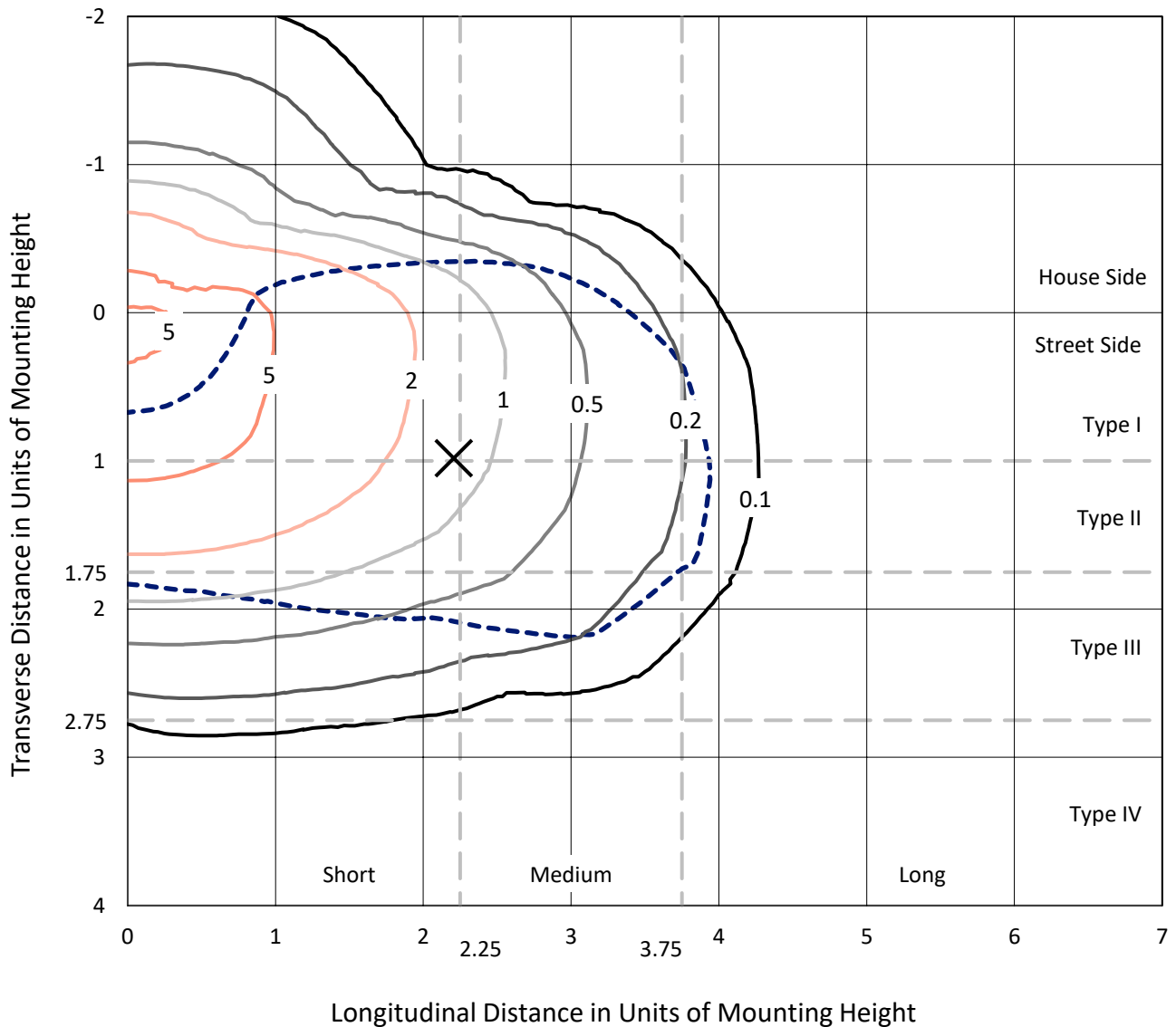
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P848608
 CATALOG NUMBER: GLAN-SB5B-730-U-T3

Iso-Footcandle Lines of Horizontal Illumination

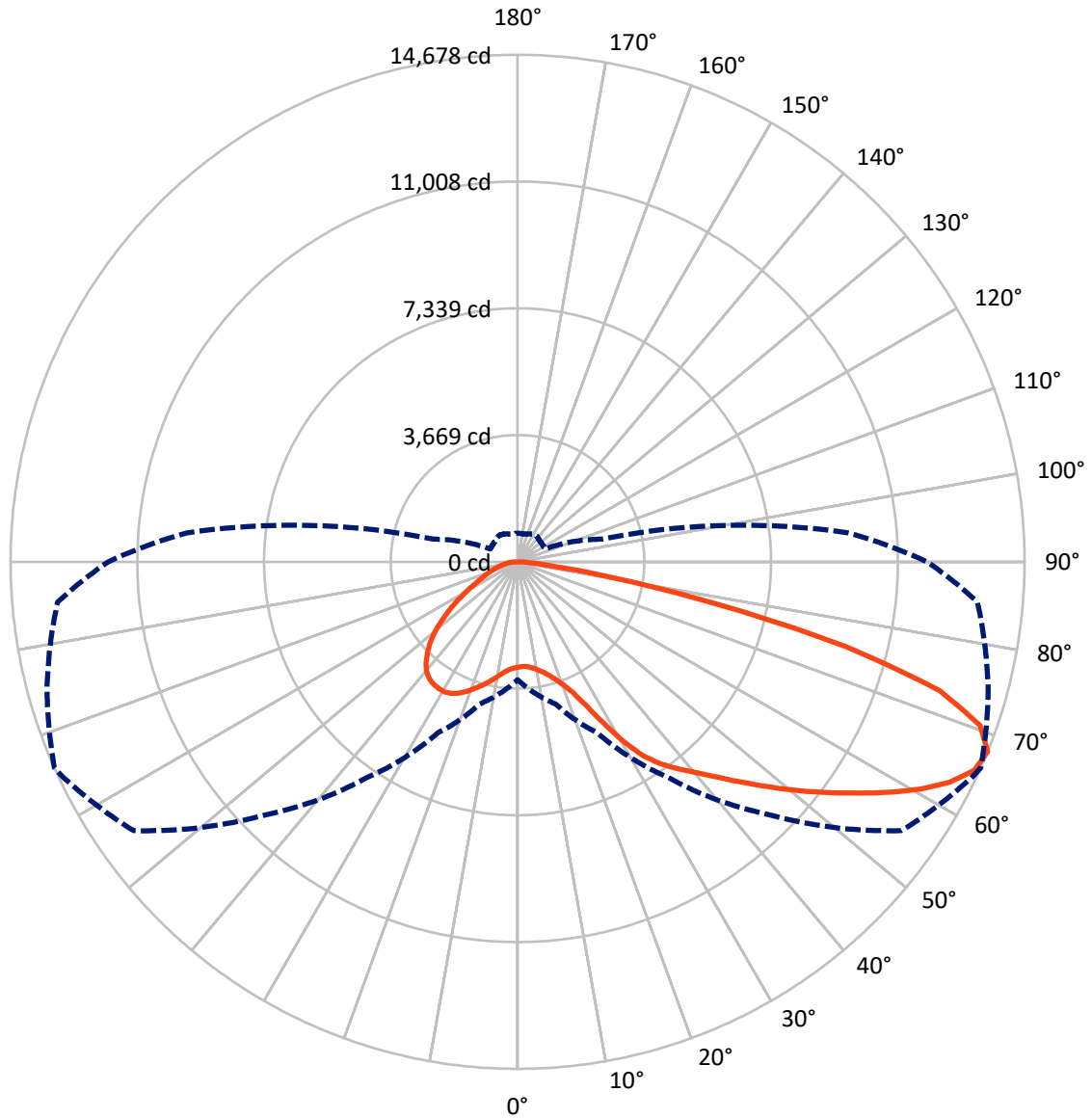
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 fc
 Type III - Short - N/A

REPORT NUMBER: P848608
CATALOG NUMBER: GLAN-SB5B-730-U-T3

Luminous Intensity Polar Plot



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

REPORT NUMBER: P848608
 CATALOG NUMBER: GLAN-SB5B-730-U-T3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6836.8	0.0	6836.8
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	20659.2	0.0	20659.2
	% Fixture	75.1	0.0	75.1
Total	Lumens	27496.0	0.0	27496.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	302.4	1.1
10°-20°	999.0	3.6
20°-30°	1925.5	7.0
30°-40°	3376.0	12.3
40°-50°	5019.0	18.3
50°-60°	6362.1	23.1
60°-70°	6225.2	22.6
70°-80°	2969.5	10.8
80°-90°	317.4	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°	27496.0	100.0
0°-180°	27496.0	100.0

Coefficient of Utilization



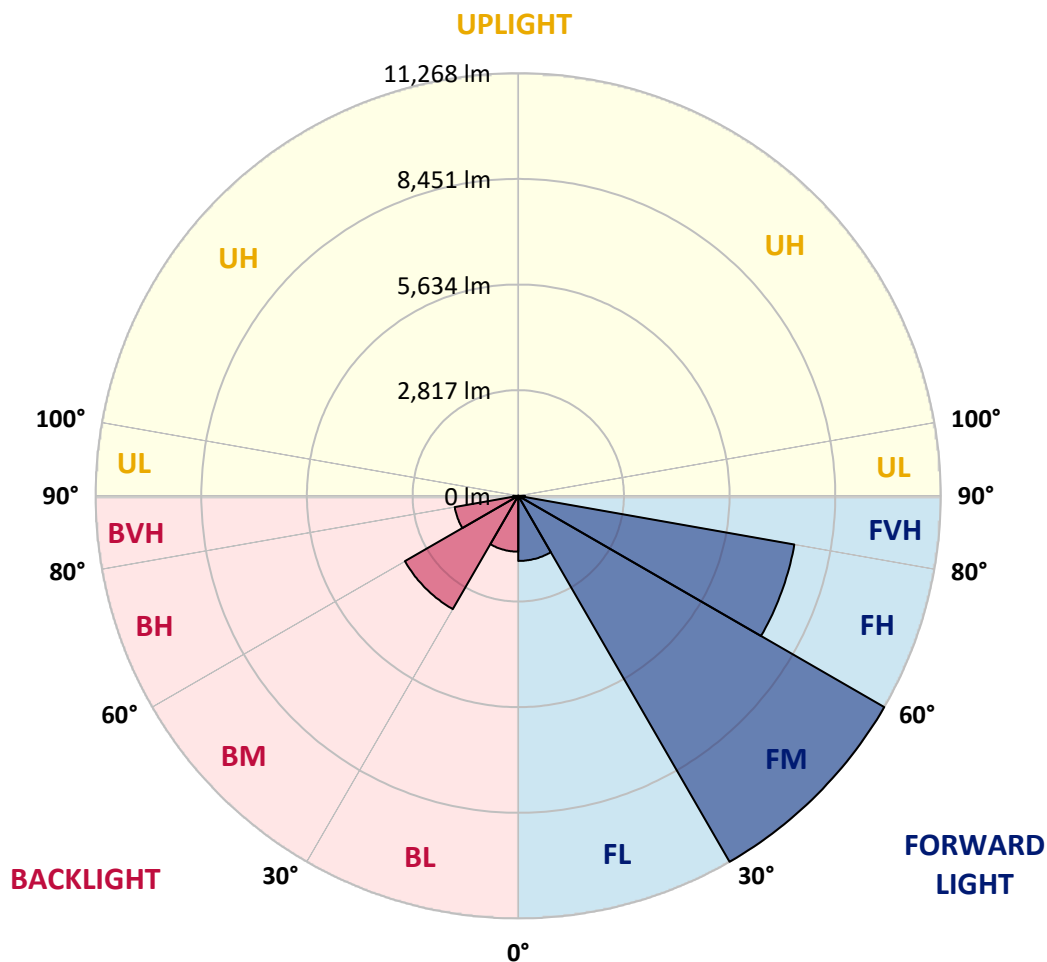
REPORT NUMBER: P848608
 CATALOG NUMBER: GLAN-SB5B-730-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1737.5	6.3			
FM (30°-60°)	11267.6	41.0			
FH (60°-80°)	7474.2	27.2			G3/7500
FVH (80°-90°)	179.9	0.7			G2/225
BL (0°-30°)	1489.3	5.4	B3/2500		
BM (30°-60°)	3489.6	12.7	B3/5000		
BH (60°-80°)	1720.5	6.3	B3/2500		G3/2500
BVH (80°-90°)	137.4	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 III Short



REPORT NUMBER: P848608
 CATALOG NUMBER: GLAN-SB5B-730-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	3049.7	3049.7	3049.7	3049.7	3049.7	3049.7	3049.7	3049.7	3049.7	3049.7
2.5°	3017.9	3035.2	3030.9	3023.7	3022.2	3025.1	3029.4	3033.8	3032.3	3039.6
5°	3009.2	3026.6	3025.1	3025.1	3030.9	3042.4	3049.7	3056.9	3049.7	3058.3
7.5°	3015.0	3028.0	3033.8	3039.6	3054.0	3075.7	3093.0	3108.9	3100.2	3110.3
10°	3088.7	3098.8	3104.6	3104.6	3114.7	3139.2	3156.6	3185.5	3178.2	3194.1
12.5°	3223.0	3233.1	3233.1	3227.4	3234.6	3250.5	3256.3	3288.0	3275.0	3301.0
15°	3387.7	3407.9	3392.1	3381.9	3384.8	3400.7	3399.3	3423.8	3410.8	3432.5
17.5°	3569.7	3595.7	3569.7	3568.3	3562.5	3579.9	3581.3	3603.0	3579.9	3595.7
20°	3785.0	3821.1	3799.4	3806.7	3793.7	3800.9	3808.1	3839.9	3803.8	3815.3
22.5°	4088.4	4131.7	4108.6	4136.1	4127.4	4121.6	4120.2	4176.5	4120.2	4124.5
25°	4530.4	4582.5	4542.0	4579.6	4579.6	4598.3	4620.0	4692.2	4598.3	4570.9
27.5°	5183.4	5235.4	5156.0	5179.1	5171.9	5218.1	5195.0	5374.1	5273.0	5228.2
30°	5969.3	6061.8	5911.5	5905.8	5898.5	5972.2	6005.4	6123.9	6021.3	5976.5
32.5°	6818.8	6915.6	6736.4	6684.4	6657.0	6701.8	6674.3	6769.7	6698.9	6629.5
35°	7717.4	7812.7	7642.2	7541.1	7431.3	7337.4	7239.2	7263.7	7197.3	7091.8
37.5°	8566.8	8741.6	8561.0	8452.7	8250.4	8067.0	7792.5	7678.3	7616.2	7519.4
40°	9432.2	9531.8	9394.6	9302.1	9082.6	8795.1	8355.9	8114.6	8030.8	7936.9
42.5°	10069.3	10164.6	10090.9	10027.4	9855.4	9521.7	8954.0	8652.0	8530.7	8425.2
45°	10574.9	10645.7	10599.4	10622.6	10548.9	10225.3	9573.7	9228.5	9102.8	8974.2
47.5°	10778.6	10853.7	10927.4	11064.6	11190.3	10951.9	10239.7	9852.6	9719.6	9588.2
50°	10755.5	10832.0	11045.8	11337.7	11727.7	11648.3	10941.8	10517.1	10394.3	10244.1
52.5°	10570.6	10657.2	10931.7	11417.1	12038.3	12169.8	11656.9	11203.3	11087.7	10908.6
55°	10085.1	10137.2	10548.9	11236.5	12112.0	12533.8	12357.6	11934.3	11818.7	11568.8
57.5°	9185.1	9260.2	9859.8	10749.7	11927.1	12780.9	12973.0	12702.9	12591.6	12231.9
60°	8010.6	8130.5	8816.7	9932.0	11456.1	12779.4	13532.1	13458.4	13366.0	12884.9
62.5°	6681.5	6820.2	7480.4	8776.3	10632.7	12416.8	13881.7	14091.2	14043.5	13487.3
65°	5131.4	5226.8	5884.1	7281.1	9351.3	11638.2	13922.2	14523.1	14531.8	13945.3
67.5°	3416.6	3691.1	4261.7	5463.7	7635.0	10365.4	13566.8	14593.9	14677.7	14102.7
70°	1667.1	2028.3	2587.4	3551.0	5463.7	8413.7	12637.9	14013.2	14199.5	13643.3
72.5°	692.0	809.0	1113.8	1752.4	3136.3	5677.5	10771.4	12438.5	12783.8	12088.9
75°	466.6	505.6	637.1	898.6	1428.8	2799.7	7767.9	9274.7	9830.9	9130.2
77.5°	359.7	384.3	463.7	628.4	849.5	1058.9	4157.7	5589.4	5876.9	5440.6
80°	283.2	301.9	346.7	458.0	602.4	566.3	1417.2	2532.5	2698.6	2263.8
82.5°	245.6	252.8	248.5	310.6	400.2	330.8	465.2	934.7	1031.5	748.3
85°	177.7	197.9	206.6	192.1	212.4	167.6	190.7	330.8	364.1	325.0
87.5°	72.2	106.9	131.5	124.2	78.0	47.7	59.2	96.8	111.2	121.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P848608
 CATALOG NUMBER: GLAN-SB5B-730-U-T3

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3049.7	0°	3049.7	3049.7	3049.7	3049.7	3049.7	3049.7	3049.7	3049.7	3049.7	3049.7
3051.1	2.5°	3052.6	3062.7	3069.9	3078.6	3084.3	3093.0	3110.3	3120.5	3121.9	3129.1
3074.2	5°	3080.0	3094.5	3110.3	3133.5	3159.5	3181.1	3214.4	3237.5	3246.1	3253.4
3130.6	7.5°	3139.2	3159.5	3188.4	3228.8	3266.4	3295.3	3335.7	3363.2	3390.6	3400.7
3220.1	10°	3227.4	3256.3	3298.2	3353.0	3393.5	3431.1	3473.0	3496.1	3523.5	3535.1
3327.0	12.5°	3337.2	3367.5	3422.4	3499.0	3536.5	3562.5	3577.0	3571.2	3577.0	3587.1
3455.6	15°	3462.8	3496.1	3558.2	3640.5	3666.5	3643.4	3611.6	3582.7	3578.4	3581.3
3611.6	17.5°	3611.6	3636.2	3708.4	3777.8	3759.0	3663.6	3594.3	3548.1	3525.0	3517.7
3811.0	20°	3819.7	3819.7	3878.9	3922.2	3796.6	3634.8	3526.4	3451.3	3403.6	3383.4
4082.6	22.5°	4072.5	4049.4	4086.9	4056.6	3789.3	3553.9	3403.6	3273.6	3201.4	3172.5
4462.5	25°	4393.2	4365.8	4355.6	4167.8	3737.3	3425.3	3181.1	3023.7	2960.1	2944.2
5010.1	27.5°	4877.2	4807.8	4676.4	4228.5	3642.0	3223.0	2921.1	2775.2	2739.1	2740.5
5713.6	30°	5521.5	5382.8	5060.6	4238.6	3486.0	2937.0	2655.3	2551.3	2533.9	2541.2
6304.5	32.5°	6118.1	5986.7	5453.6	4192.4	3246.1	2656.7	2416.9	2347.6	2321.6	2330.2
6755.2	35°	6586.2	6550.1	5817.6	4127.4	2951.4	2393.8	2203.1	2143.9	2093.3	2081.7
7179.9	37.5°	7028.3	7013.8	6090.7	4036.4	2659.6	2207.4	2031.2	1953.2	1879.5	1839.0
7649.5	40°	7513.7	7499.2	6269.8	3896.2	2401.0	2045.6	1876.6	1774.0	1683.0	1609.3
8181.1	42.5°	8059.7	7974.5	6355.0	3695.4	2181.4	1908.4	1750.9	1612.2	1492.3	1424.4
8782.1	45°	8656.4	8464.2	6353.6	3439.7	1996.5	1782.7	1616.6	1420.1	1308.9	1245.3
9398.9	47.5°	9289.1	8932.3	6275.6	3156.6	1817.4	1644.0	1408.5	1258.3	1184.6	1145.6
10069.3	50°	9942.1	9370.0	6142.7	2831.5	1633.9	1486.6	1278.5	1176.0	1119.6	1083.5
10733.8	52.5°	10556.1	9767.3	5982.3	2463.1	1447.5	1333.4	1220.7	1141.3	1082.0	1041.6
11378.1	55°	11126.7	10109.7	5755.5	2086.1	1295.9	1230.8	1193.3	1126.8	1058.9	1011.3
12032.5	57.5°	11633.8	10332.2	5364.0	1732.1	1187.5	1160.1	1164.4	1102.3	1024.3	983.8
12676.9	60°	12055.7	10495.4	4784.7	1404.2	1099.4	1090.7	1119.6	1056.0	965.0	918.8
13221.5	62.5°	12308.5	10492.5	4073.9	1149.9	1024.3	1027.2	1060.4	998.3	905.8	862.5
13506.1	65°	12286.8	10235.4	3293.8	983.8	952.0	954.9	998.3	934.7	856.7	830.7
13363.1	67.5°	11852.0	9608.4	2526.7	875.5	872.6	885.6	936.1	891.4	826.3	823.5
12510.7	70°	10674.6	8306.8	1820.3	788.8	790.2	809.0	875.5	863.9	810.5	816.2
10518.5	72.5°	8559.6	6333.4	1222.2	697.8	699.2	729.6	817.7	842.2	794.6	871.1
7463.1	75°	5700.6	3949.7	785.9	601.0	602.4	641.4	767.1	800.3	751.2	868.2
3883.2	77.5°	2739.1	1775.5	569.2	505.6	505.6	541.7	663.1	716.5	640.0	674.7
1248.2	80°	946.2	667.4	447.8	407.4	398.7	423.3	559.1	621.2	551.9	508.5
407.4	82.5°	372.7	346.7	359.7	316.4	287.5	303.4	434.8	512.9	405.9	366.9
229.7	85°	213.8	225.4	254.3	209.5	166.1	186.4	319.3	368.4	306.3	270.2
75.1	87.5°	57.8	79.5	117.0	108.3	75.1	79.5	151.7	203.7	176.2	135.8
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>
3049.7
3127.7
3251.9
3402.2
3540.9
3590.0
3591.4
3527.9
3379.1
3168.1
2947.1
2744.8
2565.7
2341.8
2090.4
1840.5
1616.6
1428.8
1242.4
1136.9
1070.5
1024.3
992.5
957.8
898.6
849.5
829.2
827.8
814.8
882.7
875.5
618.3
476.7
365.5
275.9
140.1
0.0

F REPORT)