

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: P850305

Luminaire Tested: **GLAN-SB7D-730-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850305
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7D-730-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 51047 lumens
Efficiency: N/A
Efficacy: 99.5 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

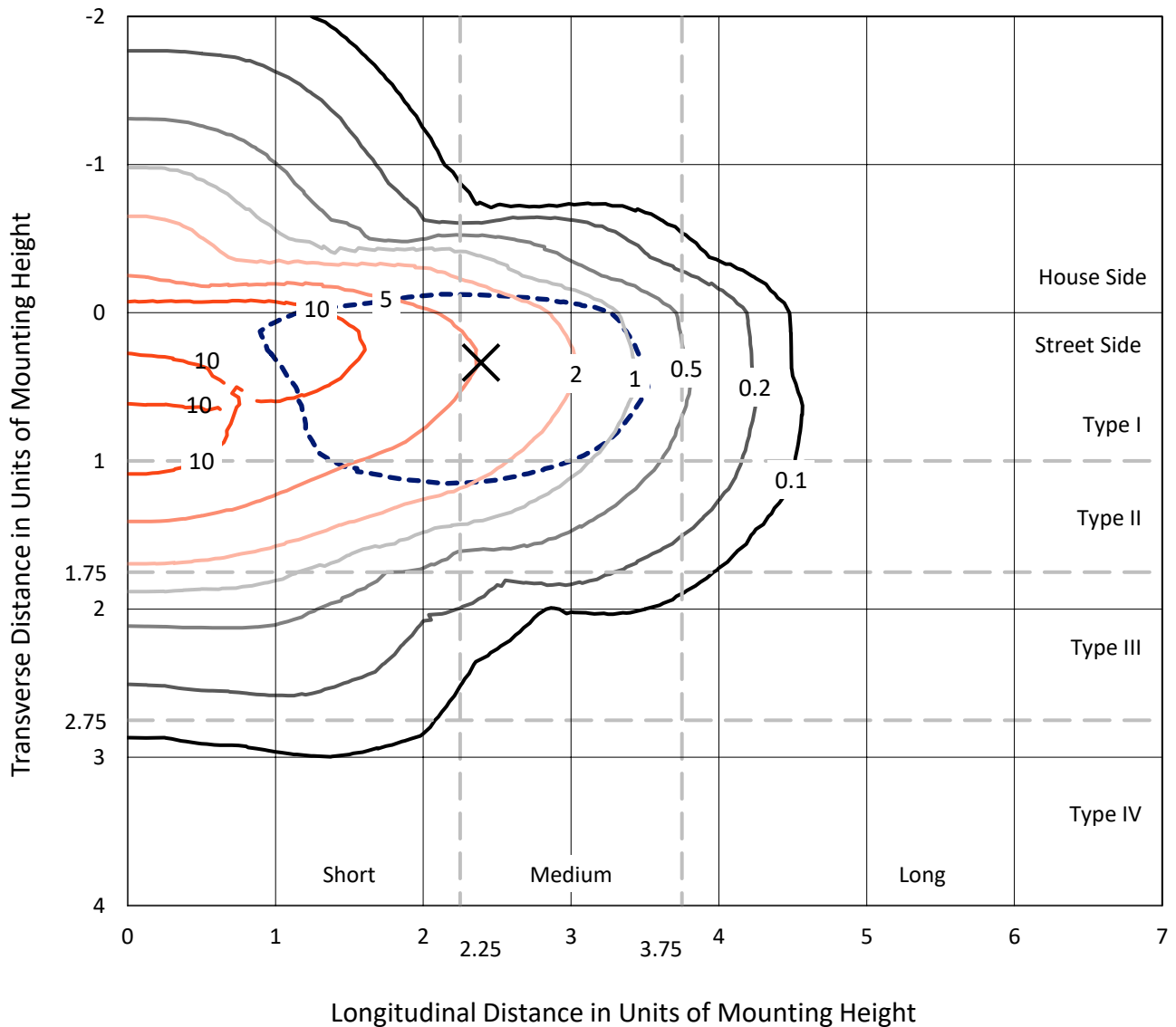
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P850305
 CATALOG NUMBER: GLAN-SB7D-730-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination

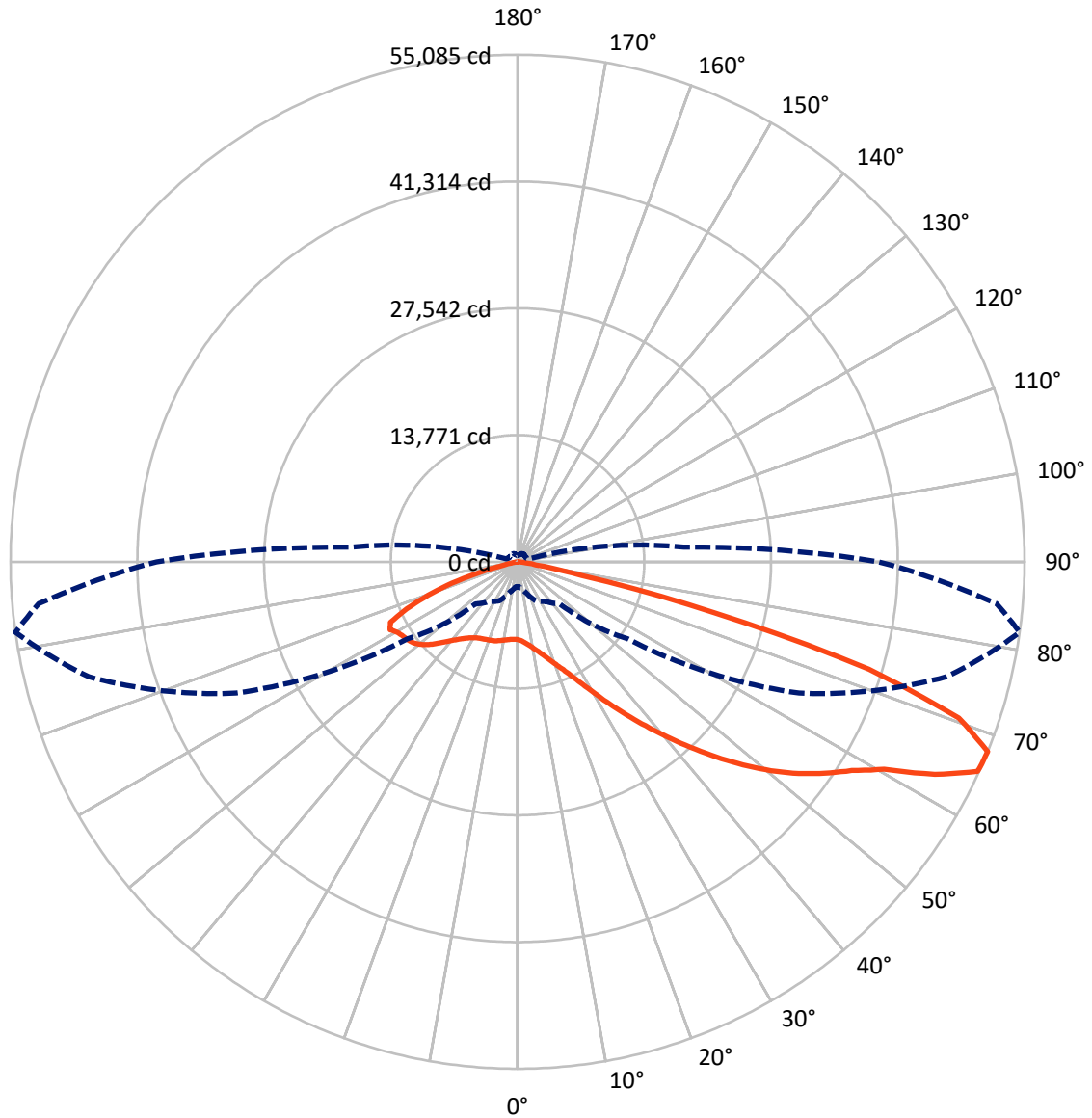
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.9 fc
 Type II - Medium - N/A

REPORT NUMBER: P850305
CATALOG NUMBER: GLAN-SB7D-730-U-T2-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P850305
 CATALOG NUMBER: GLAN-SB7D-730-U-T2-HSS

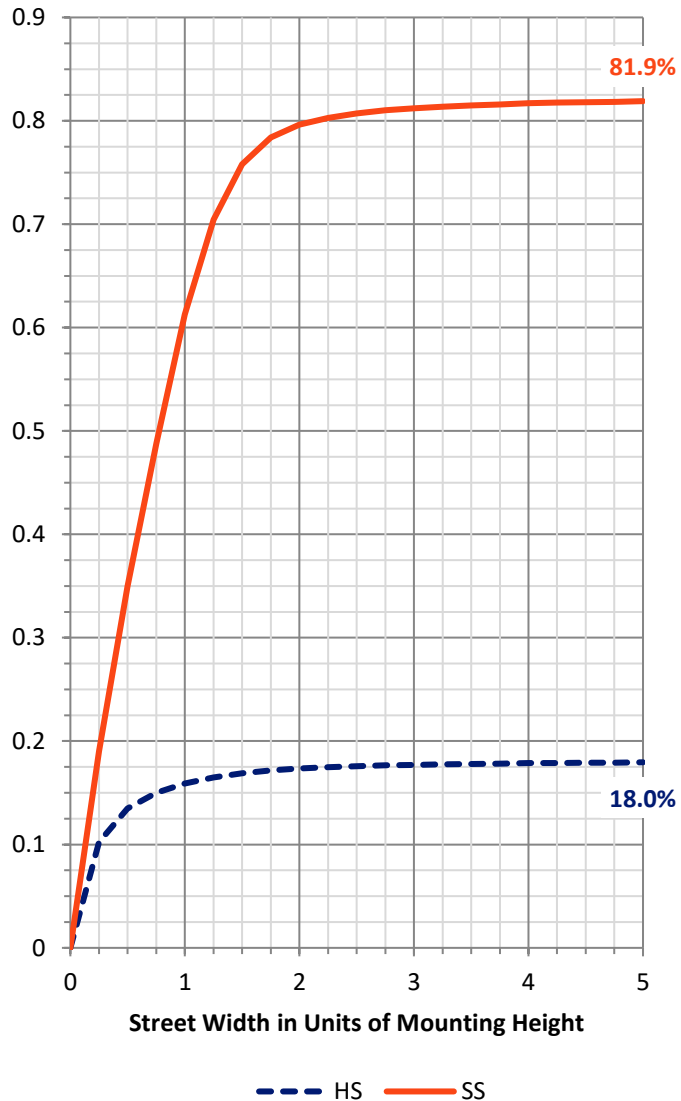
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9246.7	0.0	9246.7
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	41800.3	0.0	41800.3
	% Fixture	81.9	0.0	81.9
Total	Lumens	51047.0	0.0	51047.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	753.4	1.5
10°-20°	1957.9	3.8
20°-30°	3135.9	6.1
30°-40°	5545.2	10.9
40°-50°	9715.7	19.0
50°-60°	12958.1	25.4
60°-70°	12063.3	23.6
70°-80°	4629.9	9.1
80°-90°	287.6	0.6
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°	51047.0	100.0
0°-180°	51047.0	100.0

Coefficient of Utilization

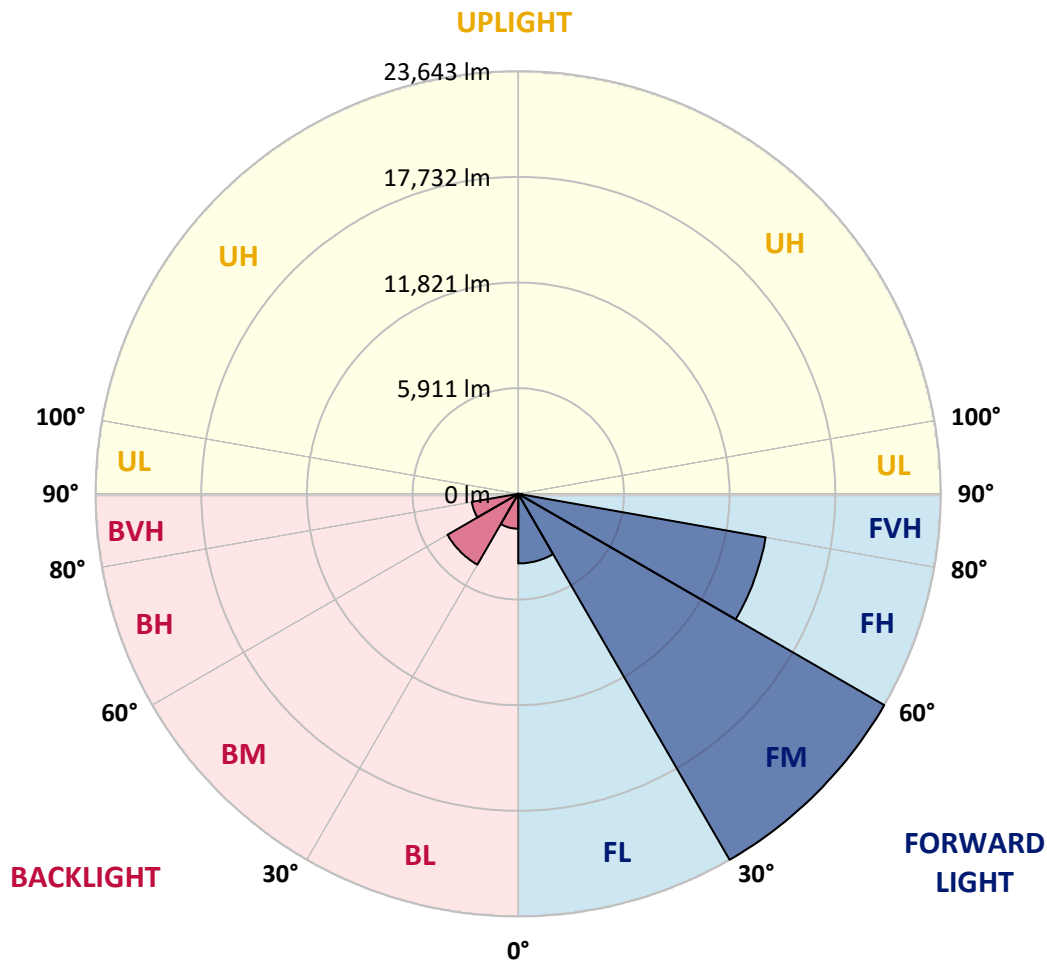


REPORT NUMBER: P850305
 CATALOG NUMBER: GLAN-SB7D-730-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3894.3	7.6			
FM (30°-60°)	23642.9	46.3			
FH (60°-80°)	14054.0	27.5			G5
FVH (80°-90°)	209.1	0.4			G2/225
BL (0°-30°)	1952.9	3.8	B3/2500		
BM (30°-60°)	4576.2	9.0	B3/5000		
BH (60°-80°)	2639.2	5.2	B4/5000		G4/5000
BVH (80°-90°)	78.5	0.2			G1/100
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: P850305
 CATALOG NUMBER: GLAN-SB7D-730-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	8456.8	8456.8	8456.8	8456.8	8456.8	8456.8	8456.8	8456.8	8456.8	8456.8
2.5°	8938.2	8989.7	8960.3	8945.6	8919.8	8883.1	8853.7	8761.8	8666.2	8603.8
5°	9118.3	9169.8	9166.1	9180.8	9199.2	9210.2	9202.8	9099.9	8963.9	8857.4
7.5°	8963.9	9022.7	9070.5	9144.0	9272.7	9408.7	9474.8	9452.8	9313.1	9166.1
10°	8526.6	8589.1	8703.0	8875.7	9147.7	9441.7	9688.0	9801.9	9713.7	9552.0
12.5°	7725.4	7787.9	8012.1	8386.9	8842.7	9353.5	9824.0	10129.0	10151.1	9989.3
15°	6824.9	6887.4	7126.3	7596.8	8291.4	9111.0	9897.5	10474.5	10669.3	10529.6
17.5°	6266.3	6321.4	6501.5	6880.1	7604.1	8625.8	9871.7	10842.0	11286.7	11176.4
20°	6097.2	6145.0	6229.6	6494.2	7096.9	8122.3	9702.7	11187.5	11951.9	11889.4
22.5°	6277.3	6321.4	6347.2	6464.8	6843.3	7791.5	9489.5	11540.3	12723.7	12731.1
25°	6692.6	6736.7	6707.3	6780.8	6946.2	7688.6	9408.7	11955.6	13694.0	13774.9
27.5°	7376.2	7379.9	7310.1	7306.4	7332.1	7843.0	9493.2	12400.3	14917.9	15068.5
30°	8747.1	8692.0	8423.7	8133.3	8001.0	8306.1	9728.4	12925.9	16362.2	16630.5
32.5°	10860.4	10779.5	10287.0	9592.4	8894.1	9052.2	10151.1	13524.9	17935.2	18420.4
35°	13153.7	13131.7	12617.1	11584.4	10364.2	10114.3	10838.3	14311.4	19651.6	20423.4
37.5°	15285.4	15274.4	14980.3	13763.8	12279.0	11595.4	11940.9	15340.5	21489.2	22606.5
40°	17233.3	17266.3	16972.3	15884.4	14388.6	13495.5	13440.4	16612.1	23532.7	24984.4
42.5°	18916.5	18953.3	18655.6	17850.7	16472.5	15597.8	15281.7	18170.5	25528.3	27538.7
45°	20059.5	20287.4	20243.3	19600.1	18611.5	17703.7	17494.2	20125.7	27803.3	30247.3
47.5°	20383.0	20592.5	20923.2	21011.4	20408.7	19515.6	19765.5	22481.5	30104.0	32959.7
50°	19585.4	19780.2	20467.5	21382.6	21801.6	21526.0	21974.3	25006.4	32459.8	35664.7
52.5°	18012.4	18210.9	19078.2	20526.3	22235.3	23102.6	24190.5	27494.6	34742.2	38226.3
55°	15737.4	15946.9	17060.5	18699.7	21408.4	23753.2	26039.2	29979.1	36833.4	40530.7
57.5°	12642.9	12797.2	13954.9	16248.3	19328.2	23106.3	27402.7	32691.4	38803.3	42794.7
60°	8239.9	8375.9	9721.0	12279.0	15880.8	20945.3	27674.7	35716.1	41420.1	45738.5
62.5°	5479.8	5571.7	6369.2	8247.3	11183.8	16795.9	26083.3	38130.8	45257.1	50861.8
65°	3759.8	3851.7	4649.2	5957.6	7225.6	11110.3	21507.6	37811.0	48733.9	54930.4
67.5°	2682.9	2760.1	3436.4	4671.2	5229.9	6453.7	14579.7	33724.1	48234.0	55084.7
70°	1922.2	1966.3	2524.9	3638.5	4156.7	3877.4	8107.6	25792.9	42232.3	50865.5
72.5°	1345.1	1359.8	1753.1	2771.1	3348.2	2829.9	3859.0	17196.5	31941.6	39924.3
75°	911.5	929.8	1179.8	2032.4	2686.6	2161.0	2043.4	9221.2	18751.1	22099.3
77.5°	558.6	566.0	760.8	1389.2	2010.4	1646.5	1315.7	3906.8	7255.0	7122.6
80°	316.1	316.1	485.1	863.7	1370.9	1062.1	922.5	1661.2	2297.0	2017.7
82.5°	176.4	180.1	352.8	536.6	907.8	628.5	507.2	768.1	992.3	878.4
85°	73.5	80.9	216.8	253.6	433.7	312.4	205.8	323.4	367.5	327.1
87.5°	7.4	11.0	66.2	47.8	51.5	62.5	29.4	62.5	51.5	51.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P850305
 CATALOG NUMBER: GLAN-SB7D-730-U-T2-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
8456.8	0°	8456.8	8456.8	8456.8	8456.8	8456.8	8456.8	8456.8	8456.8	8456.8	8456.8
8581.7	2.5°	8511.9	8456.8	8317.1	8155.4	7942.2	7839.3	7699.7	7604.1	7523.2	7530.6
8794.9	5°	8677.3	8537.6	8225.2	7835.6	7350.5	7005.0	6637.5	6383.9	6178.1	6134.0
9088.9	7.5°	8905.1	8684.6	8137.0	7435.0	6615.5	5994.3	5439.4	5082.9	4829.3	4748.4
9445.4	10°	9199.2	8879.4	8023.1	6931.5	5751.8	4961.6	4366.2	4086.9	3914.1	3855.3
9864.4	12.5°	9541.0	9103.6	7872.4	6317.8	4862.4	4101.6	3723.0	3583.4	3528.2	3509.9
10378.9	15°	9971.0	9382.9	7644.5	5590.1	4108.9	3576.0	3414.3	3395.9	3403.3	3395.9
10996.4	17.5°	10481.8	9688.0	7273.3	4840.3	3601.7	3307.7	3248.9	3263.6	3282.0	3278.3
11687.3	20°	11040.5	9989.3	6799.2	4175.1	3256.3	3116.6	3083.5	3098.2	3112.9	3105.6
12484.8	22.5°	11676.3	10312.8	6273.7	3656.9	3024.7	2940.2	2903.5	2907.1	2907.1	2892.4
13495.5	25°	12437.1	10669.3	5722.4	3289.4	2848.3	2782.2	2738.1	2723.4	2701.3	2657.2
14723.1	27.5°	13344.8	11047.8	5193.1	3032.1	2708.7	2646.2	2594.7	2558.0	2502.8	2429.3
16196.8	30°	14366.6	11507.2	4744.8	2870.4	2598.4	2535.9	2477.1	2422.0	2341.1	2249.3
17891.1	32.5°	15568.4	11999.7	4417.7	2763.8	2499.2	2433.0	2363.2	2297.0	2208.8	2116.9
19794.9	35°	17001.7	12595.1	4226.5	2690.3	2422.0	2333.8	2256.6	2183.1	2116.9	2036.1
21864.1	37.5°	18556.4	13227.2	4167.7	2653.5	2370.5	2234.6	2146.3	2094.9	2087.5	2039.8
24102.3	40°	20258.0	13977.0	4211.8	2631.5	2315.4	2139.0	2043.4	2032.4	2050.8	1966.3
26494.9	42.5°	22058.9	14866.4	4285.3	2605.8	2238.2	2043.4	1951.6	1951.6	1936.9	1819.3
29023.5	45°	24006.8	15891.8	4358.9	2543.3	2146.3	1947.9	1878.1	1852.3	1789.8	1675.9
31566.8	47.5°	25969.3	16935.6	4414.0	2429.3	2036.1	1867.0	1804.5	1745.7	1653.9	1551.0
34062.3	50°	27832.7	17872.8	4355.2	2260.3	1911.1	1789.8	1723.7	1642.8	1543.6	1473.8
36425.4	52.5°	29497.6	18685.0	4105.3	2061.8	1778.8	1709.0	1650.2	1565.7	1484.8	1411.3
38557.1	55°	30945.6	19342.9	3664.2	1874.4	1661.2	1639.2	1580.4	1473.8	1363.5	1301.0
40670.4	57.5°	32334.9	19842.7	3112.9	1720.0	1554.6	1562.0	1473.8	1378.2	1275.3	1209.2
43518.7	60°	34183.5	20511.6	2554.3	1576.7	1440.7	1462.8	1367.2	1297.4	1168.7	1084.2
48403.1	62.5°	37138.4	21551.7	2028.7	1400.3	1308.4	1315.7	1275.3	1190.8	1036.4	937.2
52023.2	65°	39483.3	21169.5	1598.7	1209.2	1157.7	1168.7	1168.7	1076.8	911.5	797.5
52218.0	67.5°	39218.6	18126.4	1275.3	1021.7	1014.4	1021.7	1047.4	970.3	808.6	716.7
48241.4	70°	36127.8	14418.0	1021.7	849.0	882.1	863.7	937.2	885.7	727.7	635.8
37399.4	72.5°	29479.2	10386.3	779.2	702.0	676.2	705.6	845.3	797.5	606.4	503.5
19809.6	75°	17225.9	5542.3	580.7	555.0	488.8	588.0	749.8	679.9	463.1	371.2
6071.5	77.5°	5608.4	1933.2	426.3	408.0	363.9	474.1	639.5	573.3	378.6	294.0
1778.8	80°	1503.2	584.4	290.3	268.3	235.2	352.8	507.2	455.7	272.0	191.1
764.5	82.5°	602.7	246.2	169.1	150.7	128.6	242.6	400.6	367.5	202.1	121.3
238.9	85°	194.8	80.9	62.5	47.8	58.8	150.7	238.9	249.9	143.3	62.5
36.8	87.5°	25.7	11.0	11.0	14.7	11.0	25.7	73.5	69.8	40.4	7.4
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°
8456.8
7457.1
6034.8
4667.6
3811.2
3498.8
3392.3
3271.0
3101.9
2885.1
2649.9
2422.0
2241.9
2120.6
2028.7
2036.1
1969.9
1819.3
1672.2
1547.3
1462.8
1403.9
1293.7
1201.8
1073.2
929.8
786.5
702.0
624.8
492.5
360.2
283.0
187.4
121.3
47.8
0.0
0.0

F REPORT)