

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: P849686

Luminaire Tested: **GLAN-SB6D-830-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849686  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6D-830-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 52500 lumens  
Efficiency: N/A  
Efficacy: 119.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B4 - U0 - G5

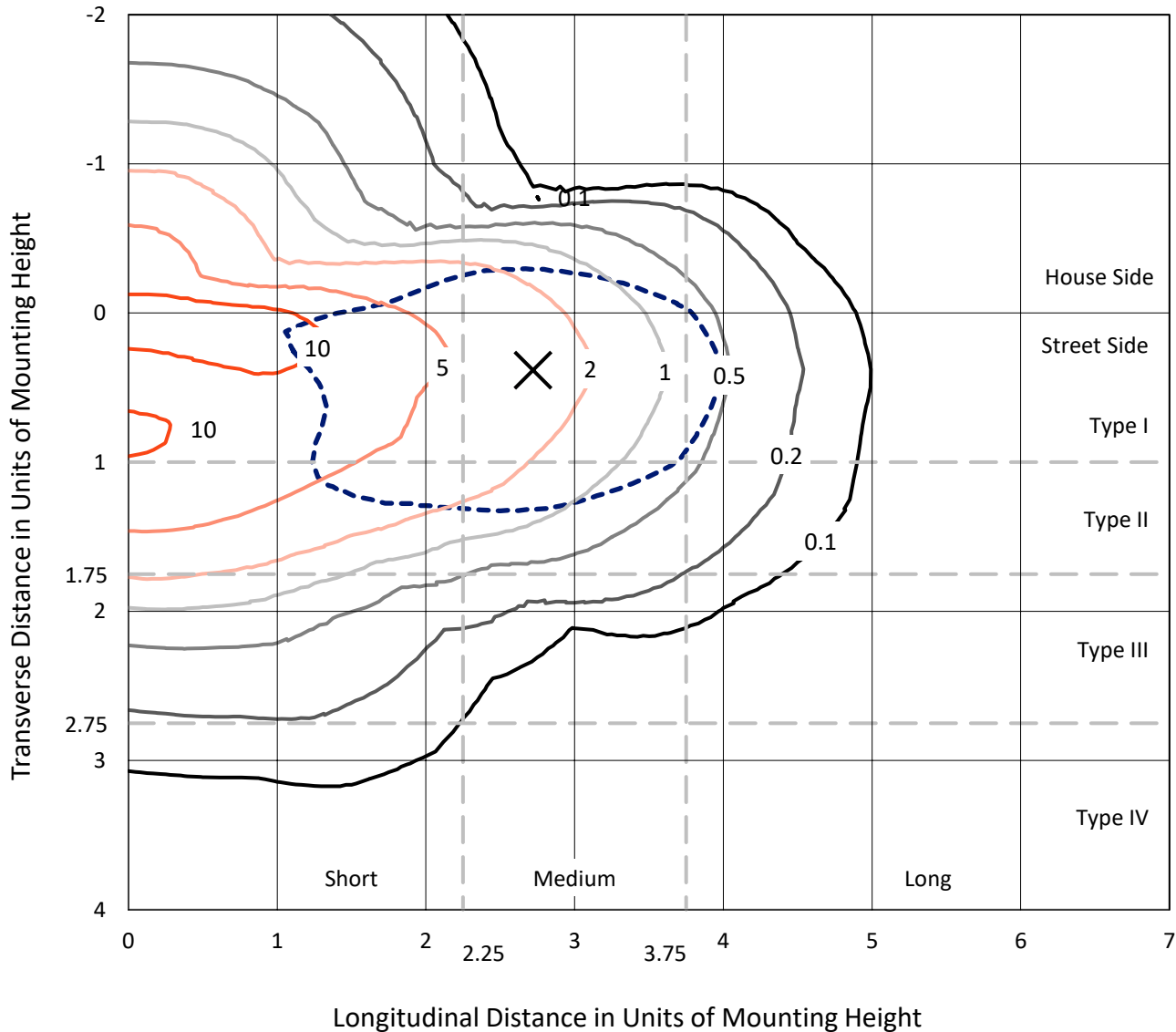
Input Watts (W): 440.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P849686  
 CATALOG NUMBER: GLAN-SB6D-830-U-T2

### Iso-Footcandle Lines of Horizontal Illumination

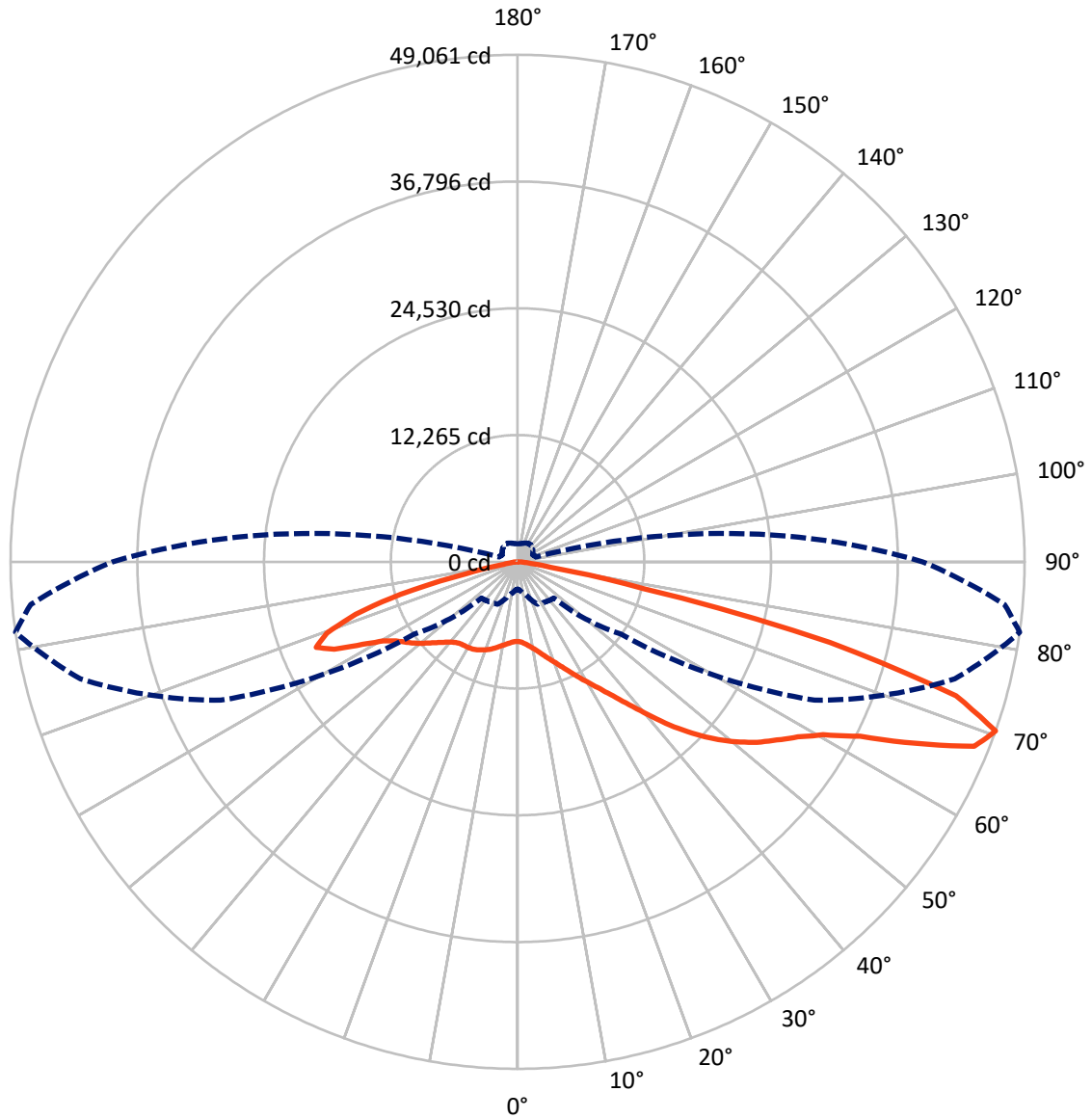
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14 fc  
 Type II - Medium - N/A

REPORT NUMBER: P849686  
CATALOG NUMBER: GLAN-SB6D-830-U-T2

### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P849686  
 CATALOG NUMBER: GLAN-SB6D-830-U-T2

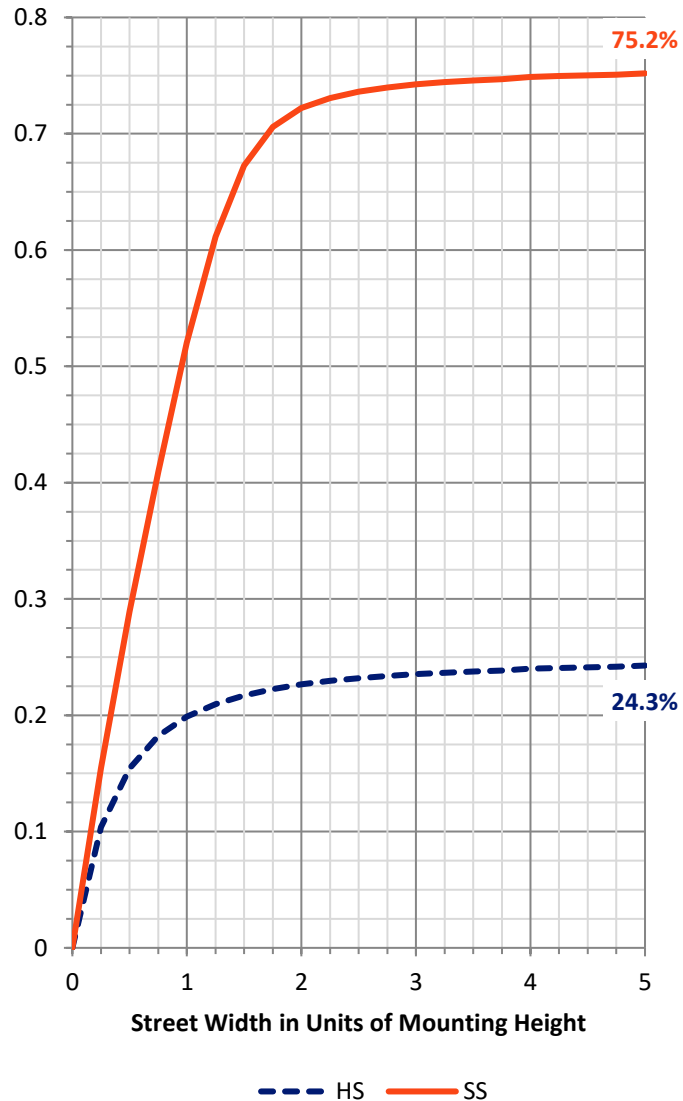
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12942.5	0.0	12942.5
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	39557.5	0.0	39557.5
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	52500.0	0.0	52500.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	726.7	1.4
10°-20°	2088.0	4.0
20°-30°	3493.0	6.7
30°-40°	5457.0	10.4
40°-50°	8690.8	16.6
50°-60°	12094.4	23.0
60°-70°	12651.3	24.1
70°-80°	6612.2	12.6
80°-90°	686.6	1.3
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°	52500.0	100.0
0°-180°	52500.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P849686

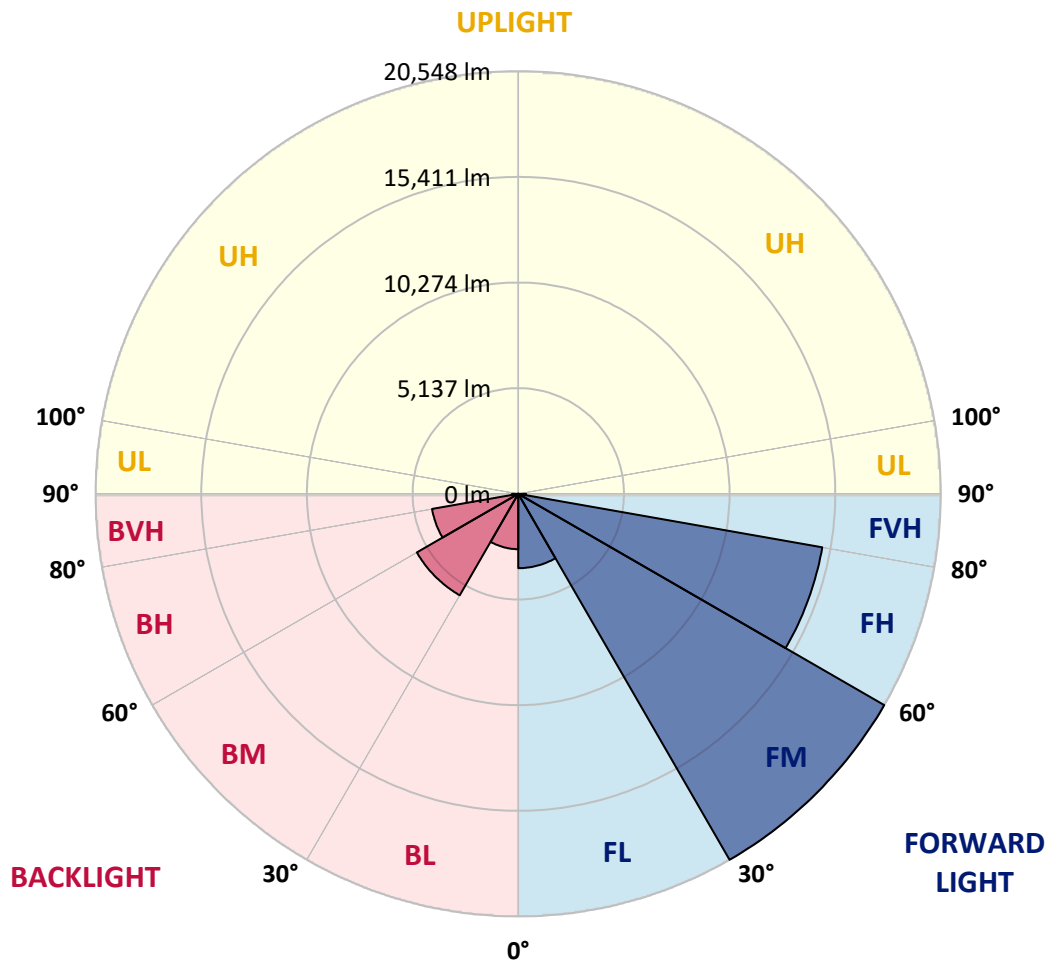
CATALOG NUMBER: GLAN-SB6D-830-U-T2

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3615.2	6.9			
FM (30°-60°)	20548.0	39.1			
FH (60°-80°)	15009.9	28.6			G5
FVH (80°-90°)	384.4	0.7			G3/500
BL (0°-30°)	2692.5	5.1	B4/5000		
BM (30°-60°)	5694.2	10.8	B4/8500		
BH (60°-80°)	4253.6	8.1	B4/5000		G4/5000
BVH (80°-90°)	302.2	0.6			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: P849686  
 CATALOG NUMBER: GLAN-SB6D-830-U-T2

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	7697.2	7697.2	7697.2	7697.2	7697.2	7697.2	7697.2	7697.2	7697.2	7697.2
2.5°	7881.0	7925.6	7911.7	7897.7	7897.7	7878.2	7875.4	7847.6	7825.3	7789.1
5°	7981.3	8028.7	8023.1	8034.2	8070.5	8078.8	8087.2	8070.5	8025.9	7981.3
7.5°	7892.2	7945.1	7961.8	8028.7	8140.1	8240.4	8315.6	8346.2	8304.5	8240.4
10°	7591.3	7649.8	7708.3	7867.1	8064.9	8301.7	8502.3	8622.0	8613.7	8552.4
12.5°	6981.2	7042.5	7167.9	7477.1	7839.2	8257.1	8630.4	8881.1	8967.5	8922.9
15°	6493.7	6546.6	6641.3	6958.9	7429.7	8064.9	8677.8	9165.3	9385.3	9360.3
17.5°	6479.8	6502.0	6560.6	6711.0	7073.1	7764.0	8627.6	9443.9	9864.5	9861.7
20°	6724.9	6733.3	6766.7	6797.3	7003.5	7535.6	8499.5	9675.1	10402.2	10402.2
22.5°	7064.8	7059.2	7092.6	7064.8	7165.1	7516.1	8418.7	9878.4	11001.1	11045.7
25°	7574.6	7546.7	7538.4	7474.3	7493.8	7697.2	8507.8	10109.7	11711.5	11803.4
27.5°	8254.3	8209.7	8179.1	8031.5	7981.3	8070.5	8780.8	10388.2	12502.7	12661.4
30°	9140.2	9059.4	9014.8	8758.5	8577.5	8591.4	9193.1	10758.7	13330.0	13586.3
32.5°	10349.2	10223.9	10104.1	9683.4	9351.9	9243.3	9725.2	11271.3	14227.1	14636.6
35°	11703.1	11602.8	11474.7	10825.6	10315.8	10065.1	10444.0	11987.3	15277.3	15926.4
37.5°	13006.9	12920.5	12981.8	12107.1	11449.6	11084.7	11385.6	12948.4	16572.7	17531.0
40°	14355.2	14288.4	14296.7	13461.0	12694.9	12285.4	12527.7	14154.6	18057.5	19439.3
42.5°	15820.5	15770.4	15603.2	14862.2	14001.4	13619.8	13842.6	15547.5	19651.0	21612.2
45°	17461.4	17430.7	17274.7	16425.1	15438.9	15009.9	15310.7	17085.3	21252.8	23657.0
47.5°	18879.3	18904.4	18884.9	18169.0	17146.6	16517.0	16876.4	18689.9	22743.2	25579.2
50°	19561.9	19692.8	19885.0	19662.2	19027.0	18386.3	18455.9	20238.8	24164.0	27381.6
52.5°	19205.3	19453.2	19976.9	20333.5	20578.7	20445.0	20258.3	21776.6	25501.2	29008.5
55°	17876.5	18224.7	19093.9	19954.7	21205.5	22177.7	22422.9	23481.5	26804.9	30440.4
57.5°	15455.6	16021.1	16801.1	18542.3	20648.3	23016.3	24946.8	25846.6	28186.7	31969.8
60°	11304.8	12062.5	13032.0	15622.7	18698.3	22567.7	27094.7	29479.3	30150.7	33950.5
62.5°	7234.7	7702.7	8594.2	11034.5	14569.7	20269.5	27752.1	34020.2	33479.7	37198.7
65°	4953.1	5254.0	6070.3	7440.9	9418.8	15087.9	25991.5	37424.4	38767.1	42346.9
67.5°	3599.2	3827.7	4524.1	5724.8	6137.1	8928.5	20169.2	37268.4	43906.9	47651.1
70°	2624.2	2785.8	3370.8	4524.1	4721.9	4967.1	12218.5	31680.1	43795.5	49060.7
72.5°	1944.5	2055.9	2448.7	3510.1	3822.1	3354.1	6048.0	23024.6	37633.3	44375.0
75°	1406.8	1490.4	1780.1	2685.5	3058.8	2554.6	3017.0	13455.4	26250.6	31214.9
77.5°	1075.3	1139.4	1328.8	1966.8	2448.7	1916.6	1872.1	6190.0	12446.9	12508.2
80°	863.6	905.4	1008.5	1384.5	1877.6	1434.7	1220.2	2498.9	3933.5	3329.0
82.5°	635.2	704.8	852.5	972.2	1342.8	989.0	743.8	1262.0	1496.0	1287.0
85°	362.2	409.5	515.4	696.4	858.0	604.5	426.2	559.9	696.4	571.1
87.5°	128.1	167.1	181.1	273.0	373.3	250.7	164.4	161.6	228.4	169.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P849686  
 CATALOG NUMBER: GLAN-SB6D-830-U-T2

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
7697.2	0°	7697.2	7697.2	7697.2	7697.2	7697.2	7697.2	7697.2	7697.2	7697.2	7697.2
7780.7	2.5°	7752.9	7738.9	7683.2	7608.0	7530.0	7454.8	7429.7	7376.8	7340.6	7321.1
7961.8	5°	7908.9	7864.3	7733.4	7566.2	7390.7	7201.3	7067.6	6945.0	6855.8	6772.3
8209.7	7.5°	8131.7	8053.7	7828.1	7535.6	7223.6	6908.8	6674.8	6496.5	6376.7	6298.7
8499.5	10°	8390.8	8271.0	7925.6	7488.2	7006.3	6555.0	6279.2	6126.0	6050.8	6009.0
8831.0	12.5°	8688.9	8519.0	8025.9	7379.6	6674.8	6159.4	5970.0	5925.4	5928.2	5931.0
9248.8	15°	9056.6	8819.8	8106.7	7142.8	6243.0	5855.7	5822.3	5894.7	5970.0	6006.2
9722.4	17.5°	9471.7	9137.4	8120.6	6752.8	5819.5	5660.7	5766.6	5922.6	6036.8	6087.0
10251.7	20°	9917.4	9460.6	8020.3	6201.2	5471.3	5501.9	5691.4	5892.0	6017.3	6081.4
10856.3	22.5°	10427.2	9806.0	7780.7	5621.7	5187.2	5329.2	5552.1	5747.1	5878.0	5942.1
11566.6	25°	11009.5	10193.2	7404.6	5134.2	4942.0	5134.2	5357.1	5518.7	5624.5	5683.0
12360.6	27.5°	11655.8	10597.2	6903.2	4747.0	4727.5	4933.6	5117.5	5242.9	5298.6	5343.2
13204.7	30°	12304.9	10964.9	6295.9	4454.5	4540.8	4735.9	4866.8	4922.5	4939.2	4947.6
14146.3	32.5°	13006.9	11282.5	5658.0	4212.1	4362.6	4543.6	4621.6	4646.7	4568.7	4515.8
15288.5	35°	13856.6	11622.3	5033.9	4019.9	4187.1	4343.1	4368.1	4345.8	4253.9	4145.3
16720.4	37.5°	14906.8	12045.8	4535.3	3883.4	4022.7	4125.8	4095.1	4089.5	4097.9	3969.8
18442.0	40°	16193.8	12597.4	4170.3	3777.5	3889.0	3911.3	3824.9	3872.3	3914.0	3719.0
20330.7	42.5°	17623.0	13263.2	3939.1	3705.1	3777.5	3724.6	3590.9	3643.8	3638.3	3382.0
22227.9	45°	19079.9	13987.5	3858.3	3652.2	3674.5	3568.6	3421.0	3434.9	3317.9	3086.7
24047.0	47.5°	20528.5	14764.7	3908.5	3607.6	3546.3	3426.5	3312.3	3251.0	3078.3	2905.6
25790.9	50°	21949.3	15581.0	4092.3	3518.5	3370.8	3301.2	3217.6	3108.9	2925.1	2777.4
27440.1	52.5°	23267.0	16402.8	4298.5	3370.8	3150.7	3192.5	3139.6	3014.2	2833.2	2682.7
29000.1	55°	24515.0	17224.6	4379.3	3167.5	2944.6	3097.8	3067.2	2835.9	2618.6	2496.1
30632.6	57.5°	25874.5	18213.5	4290.1	2908.4	2777.4	2989.2	2872.2	2615.9	2490.5	2398.6
32758.2	60°	27757.7	19765.2	4097.9	2588.0	2618.6	2827.6	2627.0	2521.1	2384.6	2281.6
35945.1	62.5°	30886.1	22659.7	3788.7	2270.4	2432.0	2588.0	2510.0	2404.1	2264.9	2164.6
41394.2	65°	35510.6	26682.4	3206.5	2022.5	2223.1	2354.0	2384.6	2278.8	2133.9	2028.1
46169.0	67.5°	39410.7	29206.3	2426.4	1816.3	2008.6	2164.6	2250.9	2147.8	1994.6	1891.6
47286.1	70°	39196.2	27373.2	1852.6	1613.0	1819.1	1977.9	2089.3	2008.6	1844.2	1746.7
42951.4	72.5°	34814.1	22899.2	1498.8	1406.8	1626.9	1782.9	1916.6	1855.3	1688.2	1593.5
31465.6	75°	25576.4	16255.1	1197.9	1197.9	1387.3	1579.5	1727.2	1688.2	1535.0	1468.1
13210.2	77.5°	10781.0	6819.6	938.8	994.5	1153.3	1356.7	1540.5	1554.5	1420.8	1504.3
3493.4	80°	2866.6	1880.4	715.9	782.8	905.4	1119.9	1340.0	1334.4	1189.5	1111.5
1298.2	82.5°	1092.0	741.0	509.8	551.6	654.7	858.0	1061.4	1094.8	950.0	821.8
509.8	85°	420.7	317.6	314.8	331.5	381.7	568.3	802.3	830.2	715.9	607.3
142.1	87.5°	108.6	94.7	117.0	111.4	175.5	303.7	459.7	476.4	437.4	253.5
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°
7697.2
7343.4
6805.7
6315.4
6020.1
5936.5
6003.4
6098.1
6098.1
5958.8
5699.7
5359.9
4967.1
4532.5
4150.8
3978.1
3724.6
3379.2
3095.0
2905.6
2766.3
2685.5
2484.9
2390.2
2276.0
2164.6
2033.6
1894.3
1755.1
1593.5
1448.6
1365.0
1033.5
821.8
626.8
362.2
0.0

F REPORT)