

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: P848266

Luminaire Tested: **GLAN-SB4D-730-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848266  
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-SB4D-730-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 70 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 39035 lumens  
Efficiency: N/A  
Efficacy: 133.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B4 - U0 - G4

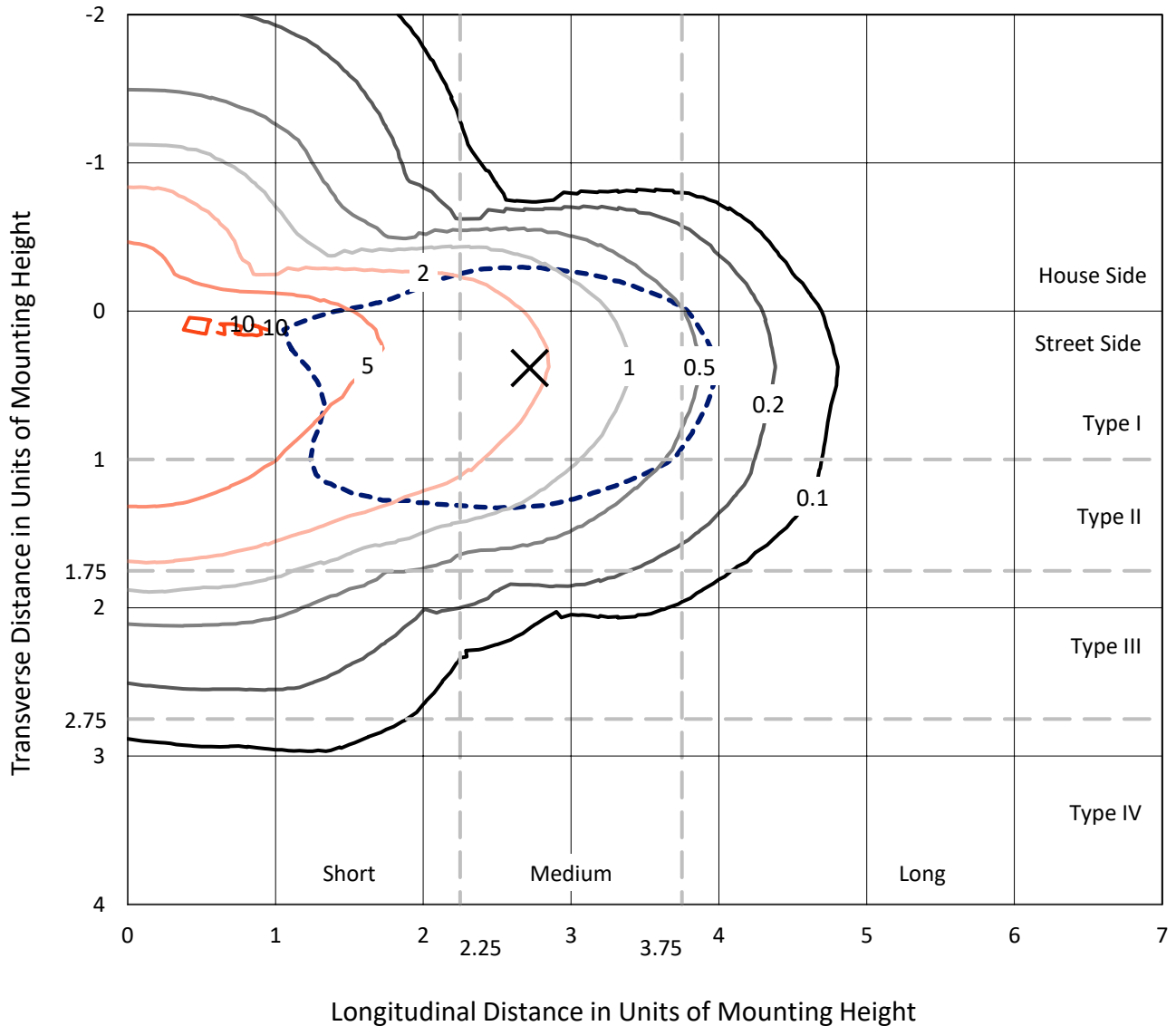
Input Watts (W): 293.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P848266  
 CATALOG NUMBER: GLAN-SB4D-730-U-T2

### Iso-Footcandle Lines of Horizontal Illumination

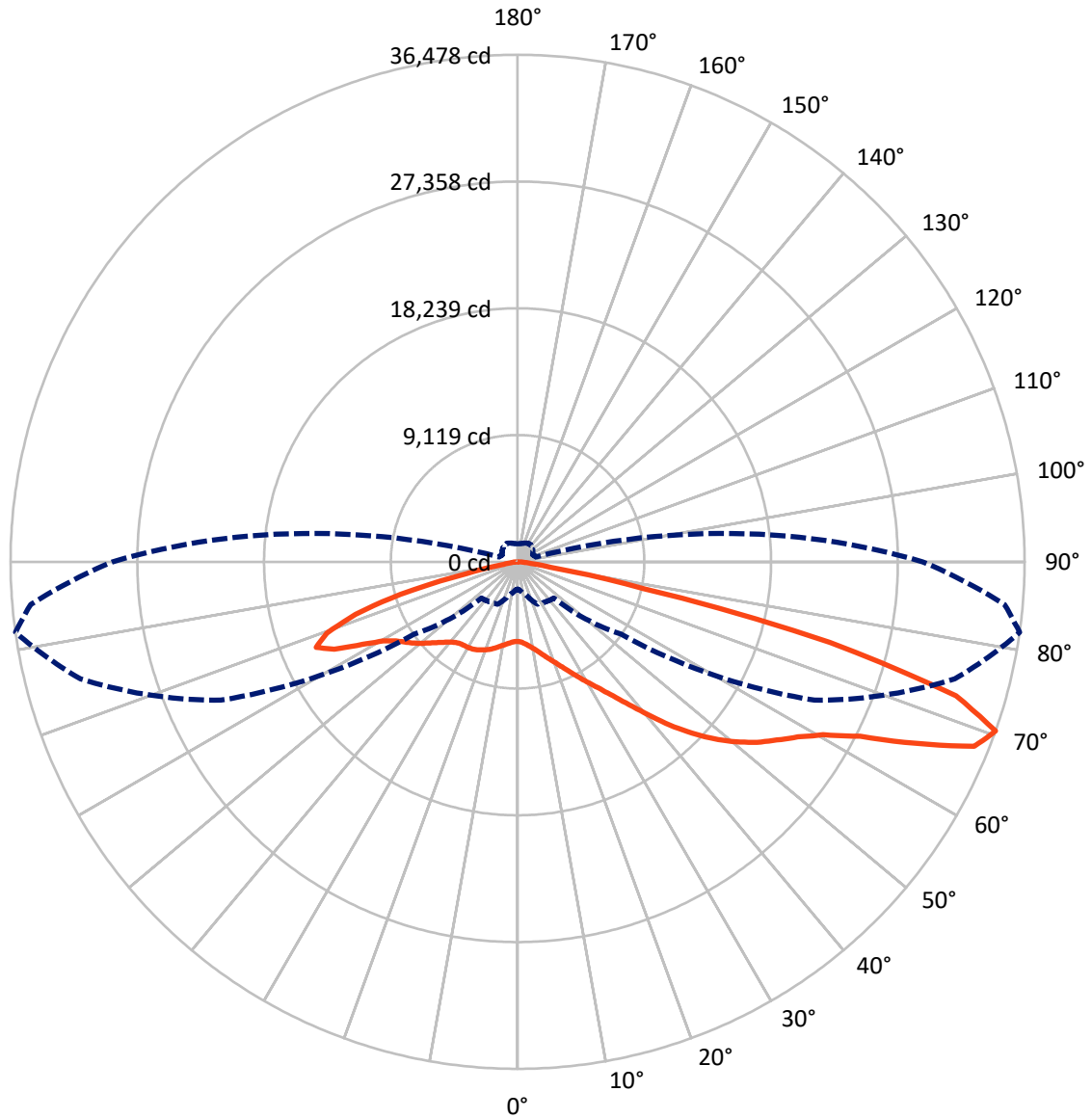
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.4 fc  
 Type II - Medium - N/A

REPORT NUMBER: P848266  
CATALOG NUMBER: GLAN-SB4D-730-U-T2

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P848266  
 CATALOG NUMBER: GLAN-SB4D-730-U-T2

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9623.1	0.0	9623.1
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	29411.9	0.0	29411.9
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	39035.0	0.0	39035.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	540.4	1.4
10°-20°	1552.5	4.0
20°-30°	2597.1	6.7
30°-40°	4057.4	10.4
40°-50°	6461.8	16.6
50°-60°	8992.5	23.0
60°-70°	9406.5	24.1
70°-80°	4916.4	12.6
80°-90°	510.5	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°	39035.0	100.0
0°-180°	39035.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P848266

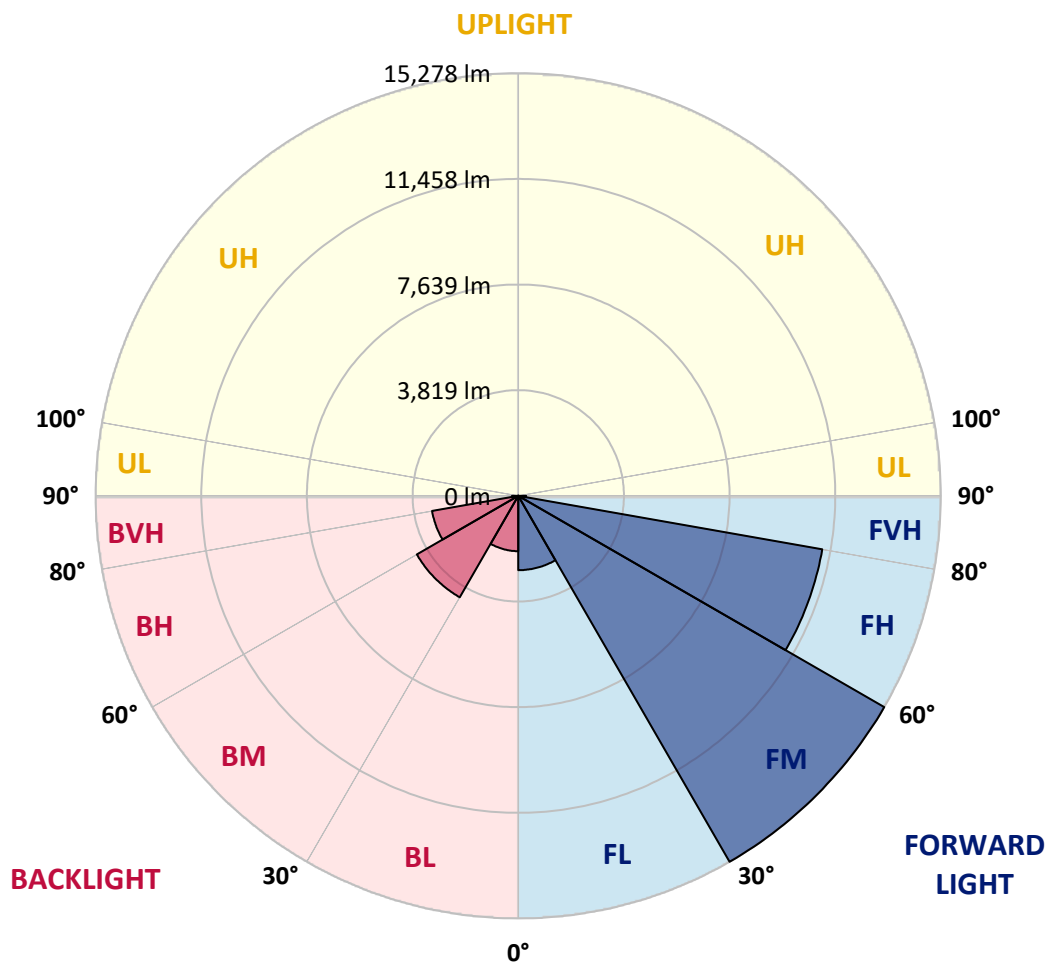
CATALOG NUMBER: GLAN-SB4D-730-U-T2

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2688.0	6.9			
FM (30°-60°)	15277.9	39.1			
FH (60°-80°)	11160.2	28.6			G4/12000
FVH (80°-90°)	285.8	0.7			G3/500
BL (0°-30°)	2002.0	5.1	B3/2500		
BM (30°-60°)	4233.8	10.8	B3/5000		
BH (60°-80°)	3162.6	8.1	B4/5000		G4/5000
BVH (80°-90°)	224.7	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**

Type II Medium



REPORT NUMBER: P848266  
 CATALOG NUMBER: GLAN-SB4D-730-U-T2

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	5723.0	5723.0	5723.0	5723.0	5723.0	5723.0	5723.0	5723.0	5723.0	5723.0
2.5°	5859.7	5892.9	5882.5	5872.2	5872.2	5857.7	5855.6	5834.9	5818.3	5791.4
5°	5934.3	5969.5	5965.4	5973.6	6000.6	6006.8	6013.0	6000.6	5967.4	5934.3
7.5°	5868.0	5907.4	5919.8	5969.5	6052.4	6126.9	6182.8	6205.6	6174.6	6126.9
10°	5644.3	5687.8	5731.3	5849.4	5996.4	6172.5	6321.6	6410.7	6404.5	6358.9
12.5°	5190.7	5236.3	5329.5	5559.4	5828.7	6139.4	6416.9	6603.3	6667.5	6634.4
15°	4828.2	4867.6	4938.0	5174.1	5524.2	5996.4	6452.1	6814.6	6978.2	6959.6
17.5°	4817.9	4834.4	4877.9	4989.8	5259.0	5772.7	6414.8	7021.7	7334.5	7332.4
20°	5000.1	5006.3	5031.2	5054.0	5207.3	5602.9	6319.6	7193.6	7734.3	7734.3
22.5°	5252.8	5248.7	5273.5	5252.8	5327.4	5588.4	6259.5	7344.9	8179.6	8212.7
25°	5631.9	5611.2	5605.0	5557.3	5571.8	5723.0	6325.8	7516.8	8707.8	8776.1
27.5°	6137.3	6104.1	6081.4	5971.6	5934.3	6000.6	6528.8	7723.9	9296.0	9414.1
30°	6796.0	6735.9	6702.7	6512.2	6377.6	6387.9	6835.3	7999.4	9911.2	10101.8
32.5°	7694.9	7601.7	7512.6	7199.9	6953.4	6872.6	7230.9	8380.5	10578.2	10882.6
35°	8701.6	8627.0	8531.7	8049.1	7670.0	7483.6	7765.3	8912.8	11359.0	11841.7
37.5°	9670.9	9606.7	9652.3	9001.9	8513.1	8241.7	8465.4	9627.4	12322.2	13034.7
40°	10673.4	10623.7	10629.9	10008.6	9438.9	9134.5	9314.7	10524.3	13426.2	14453.6
42.5°	11762.9	11725.7	11601.4	11050.4	10410.4	10126.6	10292.3	11560.0	14611.0	16069.2
45°	12982.9	12960.2	12844.2	12212.4	11479.2	11160.2	11383.9	12703.3	15802.0	17589.5
47.5°	14037.2	14055.9	14041.4	13509.1	12748.9	12280.8	12548.0	13896.4	16910.1	19018.7
50°	14544.7	14642.1	14785.0	14619.3	14147.0	13670.6	13722.4	15048.0	17966.5	20358.9
52.5°	14279.6	14463.9	14853.3	15118.5	15300.7	15201.3	15062.5	16191.4	18960.7	21568.5
55°	13291.6	13550.5	14196.7	14836.8	15766.8	16489.7	16671.9	17459.0	19930.1	22633.2
57.5°	11491.6	11912.1	12492.0	13786.6	15352.5	17113.1	18548.5	19217.6	20957.5	23770.3
60°	8405.4	8968.8	9689.6	11615.9	13902.6	16779.7	20145.5	21918.6	22417.7	25243.0
62.5°	5379.2	5727.2	6390.0	8204.4	10832.9	15070.8	20634.4	25294.8	24893.0	27658.2
65°	3682.8	3906.5	4513.4	5532.5	7003.1	11218.2	19325.3	27825.9	28824.3	31485.9
67.5°	2676.1	2846.0	3363.8	4256.5	4563.1	6638.5	14996.3	27709.9	32645.9	35429.7
70°	1951.2	2071.3	2506.3	3363.8	3510.9	3693.1	9084.7	23554.9	32563.0	36477.8
72.5°	1445.8	1528.6	1820.7	2609.8	2841.8	2493.9	4496.8	17119.3	27981.3	32993.8
75°	1046.0	1108.1	1323.6	1996.7	2274.3	1899.4	2243.2	10004.4	19517.9	23209.0
77.5°	799.5	847.2	988.0	1462.3	1820.7	1425.1	1391.9	4602.4	9254.6	9300.2
80°	642.1	673.2	749.8	1029.4	1396.1	1066.7	907.2	1858.0	2924.7	2475.2
82.5°	472.3	524.0	633.8	722.9	998.4	735.3	553.0	938.3	1112.3	956.9
85°	269.3	304.5	383.2	517.8	638.0	449.5	316.9	416.3	517.8	424.6
87.5°	95.3	124.3	134.6	203.0	277.6	186.4	122.2	120.1	169.8	126.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P848266  
 CATALOG NUMBER: GLAN-SB4D-730-U-T2

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
5723.0	0°	5723.0	5723.0	5723.0	5723.0	5723.0	5723.0	5723.0	5723.0	5723.0	5723.0
5785.2	2.5°	5764.4	5754.1	5712.7	5656.7	5598.7	5542.8	5524.2	5484.8	5457.9	5443.4
5919.8	5°	5880.4	5847.3	5749.9	5625.7	5495.2	5354.3	5254.9	5163.8	5097.5	5035.3
6104.1	7.5°	6046.1	5988.1	5820.4	5602.9	5370.9	5136.8	4962.8	4830.3	4741.2	4683.2
6319.6	10°	6238.8	6149.7	5892.9	5567.7	5209.3	4873.8	4668.7	4554.8	4498.9	4467.8
6566.0	12.5°	6460.4	6334.1	5967.4	5486.9	4962.8	4579.7	4438.8	4405.7	4407.7	4409.8
6876.7	15°	6733.8	6557.8	6027.5	5310.8	4641.8	4353.9	4329.0	4382.9	4438.8	4465.7
7228.9	17.5°	7042.4	6793.9	6037.9	5020.8	4327.0	4208.9	4287.6	4403.6	4488.5	4525.8
7622.4	20°	7373.9	7034.2	5963.3	4610.7	4068.0	4090.8	4231.7	4380.8	4474.0	4521.7
8071.9	22.5°	7752.9	7291.0	5785.2	4179.9	3856.8	3962.4	4128.1	4273.1	4370.5	4418.1
8600.1	25°	8185.8	7578.9	5505.5	3817.4	3674.5	3817.4	3983.1	4103.3	4182.0	4225.5
9190.4	27.5°	8666.3	7879.2	5132.7	3529.5	3515.0	3668.3	3805.0	3898.2	3939.6	3972.8
9818.0	30°	9149.0	8152.7	4681.2	3312.0	3376.2	3521.2	3618.6	3660.0	3672.4	3678.6
10518.1	32.5°	9670.9	8388.8	4206.8	3131.8	3243.7	3378.3	3436.3	3454.9	3396.9	3357.6
11367.3	35°	10302.7	8641.5	3742.9	2988.9	3113.2	3229.2	3247.8	3231.2	3162.9	3082.1
12432.0	37.5°	11083.6	8956.3	3372.1	2887.4	2991.0	3067.6	3044.8	3040.7	3046.9	2951.6
13712.0	40°	12040.5	9366.4	3100.7	2808.7	2891.5	2908.1	2843.9	2879.1	2910.2	2765.2
15116.4	42.5°	13103.1	9861.5	2928.8	2754.8	2808.7	2769.3	2669.9	2709.3	2705.1	2514.6
16527.0	45°	14186.4	10400.0	2868.8	2715.5	2732.1	2653.3	2543.6	2553.9	2466.9	2295.0
17879.5	47.5°	15263.5	10977.9	2906.0	2682.3	2636.8	2547.7	2462.8	2417.2	2288.8	2160.4
19176.2	50°	16319.8	11584.8	3042.7	2616.1	2506.3	2454.5	2392.4	2311.6	2174.9	2065.1
20402.4	52.5°	17299.5	12195.9	3196.0	2506.3	2342.6	2373.7	2334.4	2241.2	2106.5	1994.7
21562.3	55°	18227.5	12806.9	3256.1	2355.1	2189.4	2303.3	2280.5	2108.6	1947.0	1855.9
22776.1	57.5°	19238.3	13542.2	3189.8	2162.4	2065.1	2222.5	2135.5	1945.0	1851.7	1783.4
24356.5	60°	20638.5	14695.9	3046.9	1924.2	1947.0	2102.4	1953.2	1874.5	1773.0	1696.4
26726.1	62.5°	22964.6	16848.0	2817.0	1688.1	1808.3	1924.2	1866.2	1787.5	1684.0	1609.4
30777.5	65°	26402.9	19839.0	2384.1	1503.8	1652.9	1750.3	1773.0	1694.3	1586.6	1507.9
34327.8	67.5°	29302.8	21715.6	1804.1	1350.5	1493.4	1609.4	1673.6	1597.0	1483.1	1406.4
35158.4	70°	29143.3	20352.7	1377.4	1199.3	1352.6	1470.6	1553.5	1493.4	1371.2	1298.7
31935.4	72.5°	25885.1	17026.1	1114.4	1046.0	1209.6	1325.6	1425.1	1379.5	1255.2	1184.8
23395.4	75°	19016.7	12086.1	890.7	890.7	1031.5	1174.4	1284.2	1255.2	1141.3	1091.6
9822.1	77.5°	8016.0	5070.6	698.0	739.5	857.5	1008.7	1145.4	1155.8	1056.4	1118.5
2597.4	80°	2131.4	1398.1	532.3	582.0	673.2	832.7	996.3	992.2	884.4	826.5
965.2	82.5°	812.0	551.0	379.0	410.1	486.8	638.0	789.2	814.0	706.3	611.0
379.0	85°	312.8	236.1	234.1	246.5	283.8	422.5	596.5	617.2	532.3	451.5
105.6	87.5°	80.8	70.4	87.0	82.9	130.5	225.8	341.8	354.2	325.2	188.5
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°
5723.0
5460.0
5060.2
4695.7
4476.1
4414.0
4463.7
4534.1
4534.1
4430.5
4237.9
3985.2
3693.1
3370.0
3086.2
2957.8
2769.3
2512.5
2301.2
2160.4
2056.8
1996.7
1847.6
1777.2
1692.3
1609.4
1512.1
1408.5
1304.9
1184.8
1077.1
1014.9
768.5
611.0
466.0
269.3
0.0

F REPORT)