

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: P852427

Luminaire Tested: **GLAN-SB3D-730-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852427
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3D-730-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29150 lumens
Efficiency: N/A
Efficacy: 133.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

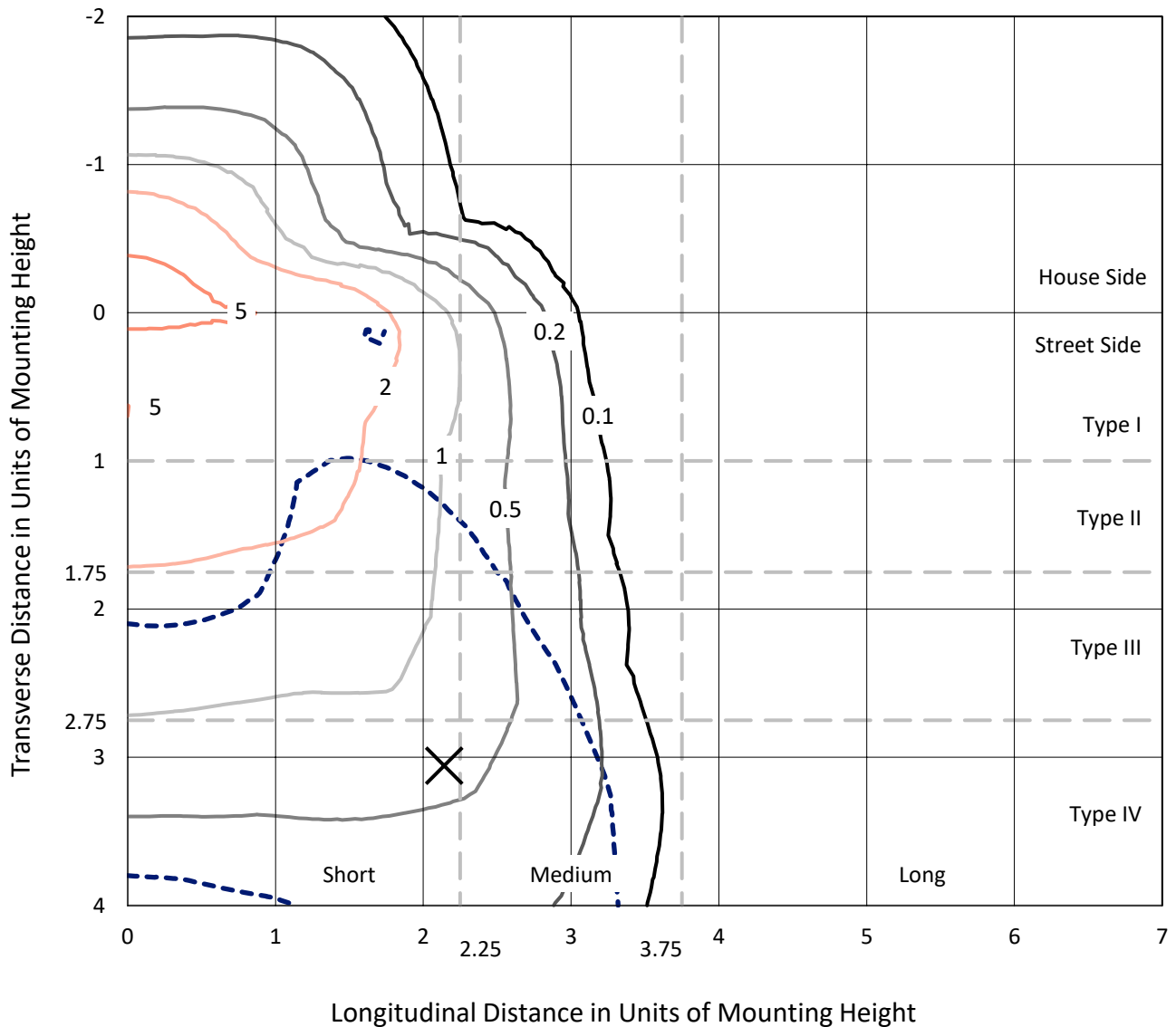
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P852427
 CATALOG NUMBER: GLAN-SB3D-730-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination

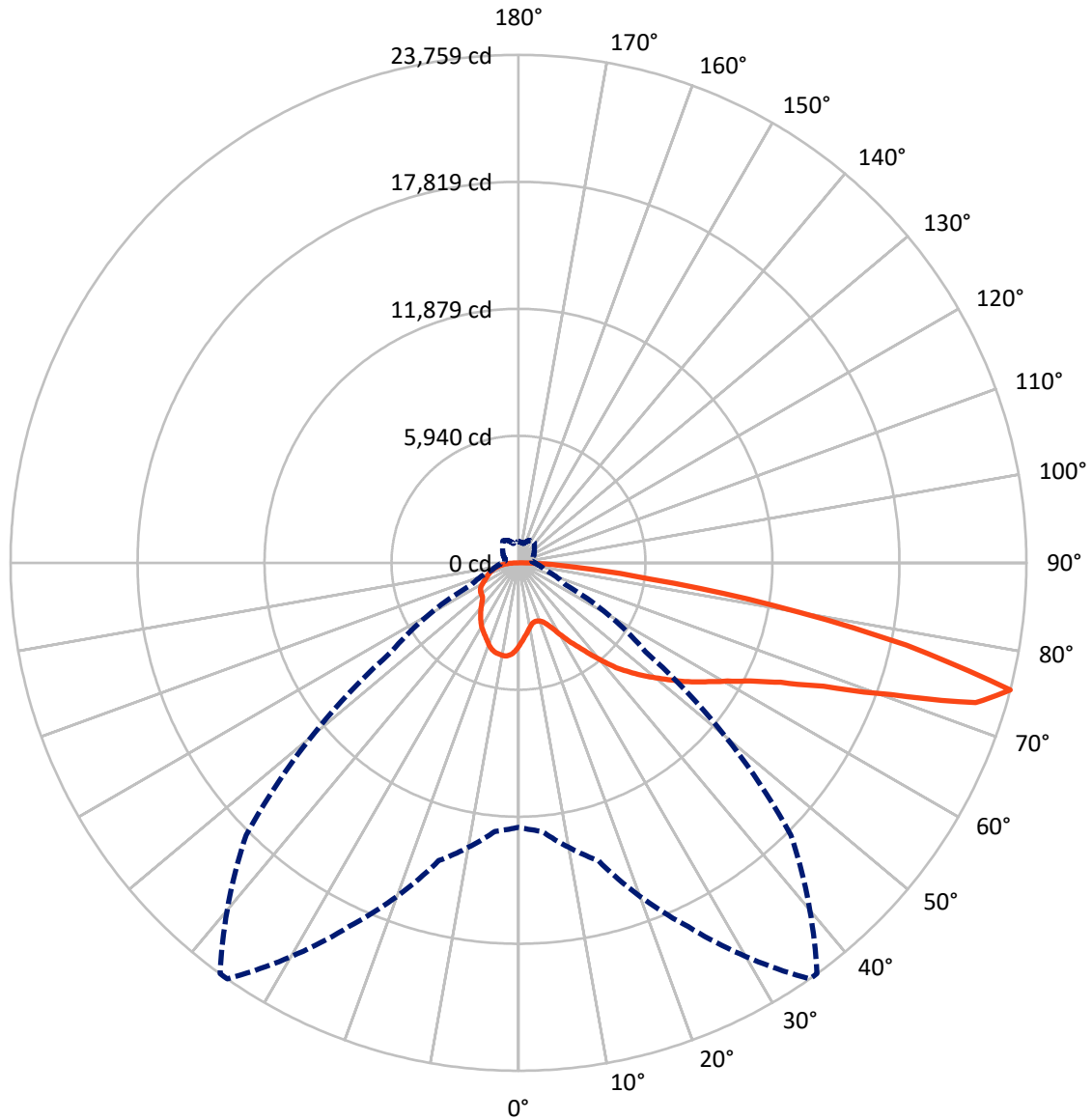
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P852427
CATALOG NUMBER: GLAN-SB3D-730-U-T4FT

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P852427
 CATALOG NUMBER: GLAN-SB3D-730-U-T4FT

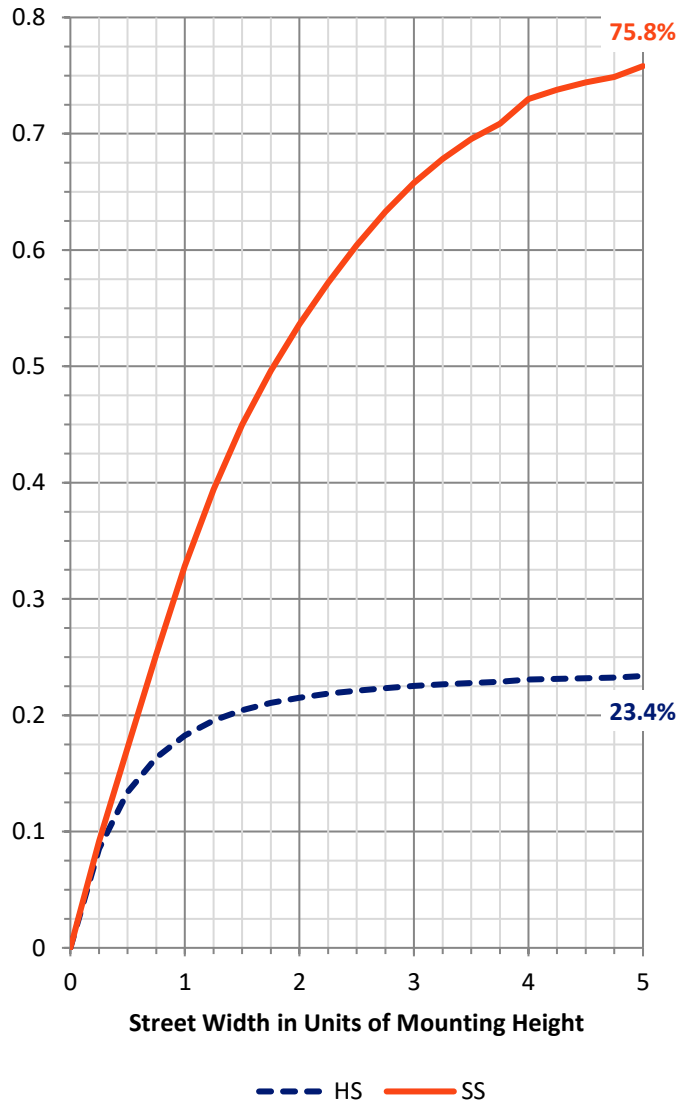
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6937.0	0.0	6937.0
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	22213.0	0.0	22213.0
	% Fixture	76.2	0.0	76.2
Total	Lumens	29150.0	0.0	29150.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	367.8	1.3
10°-20°	1060.8	3.6
20°-30°	1781.4	6.1
30°-40°	2768.6	9.5
40°-50°	4109.3	14.1
50°-60°	5673.1	19.5
60°-70°	6882.8	23.6
70°-80°	5688.1	19.5
80°-90°	818.1	2.8
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°	29150.0	100.0
0°-180°	29150.0	100.0

Coefficient of Utilization



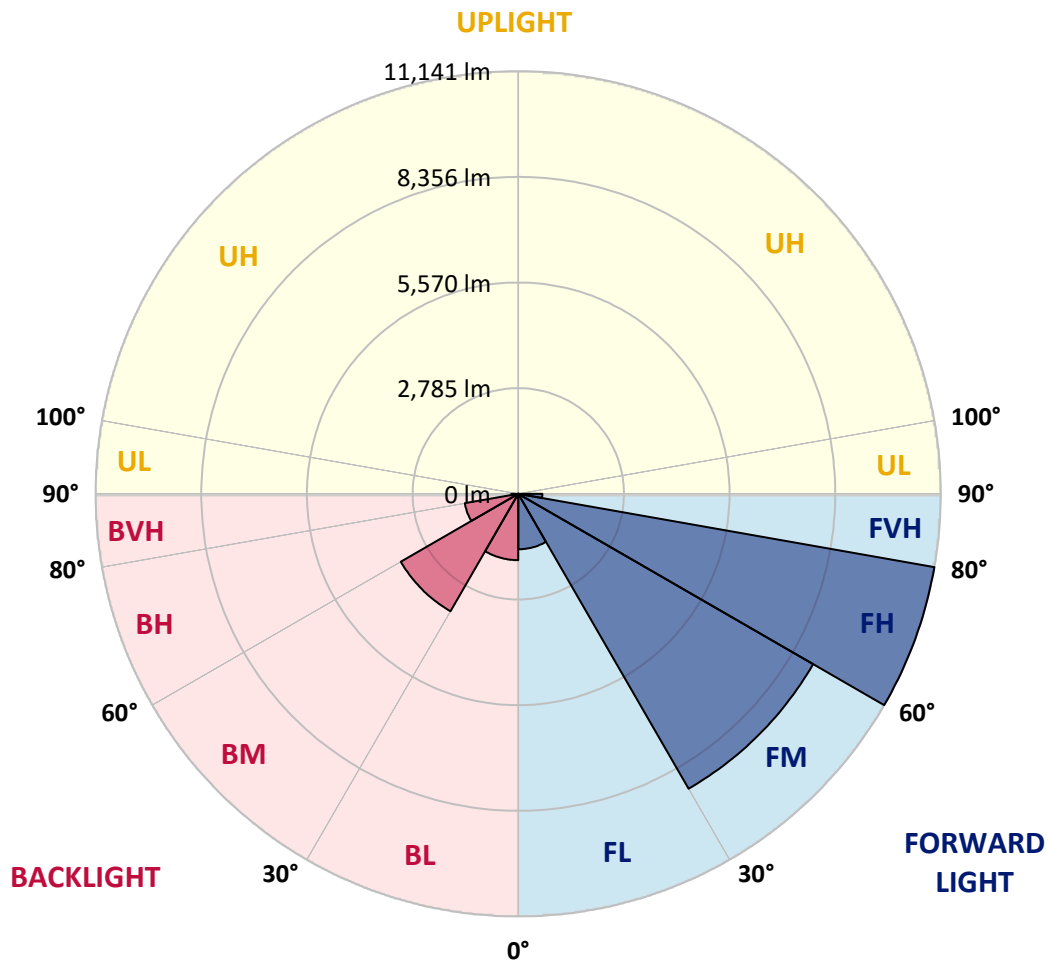
REPORT NUMBER: P852427
 CATALOG NUMBER: GLAN-SB3D-730-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1461.8	5.0			
FM (30°-60°)	8976.6	30.8			
FH (60°-80°)	11140.7	38.2			G4/12000
FVH (80°-90°)	633.9	2.2			G4/750
BL (0°-30°)	1748.2	6.0	B3/2500		
BM (30°-60°)	3574.3	12.3	B3/5000		
BH (60°-80°)	1430.2	4.9	B3/2500		G3/2500
BVH (80°-90°)	184.2	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type IV Short



REPORT NUMBER: P852427
 CATALOG NUMBER: GLAN-SB3D-730-U-T4FT

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	3884.4	3884.4	3884.4	3884.4	3884.4	3884.4	3884.4	3884.4	3884.4	3884.4
2.5°	3581.9	3603.9	3613.4	3608.7	3632.3	3629.1	3662.2	3703.2	3759.9	3815.1
5°	3306.1	3329.7	3350.2	3369.1	3414.8	3429.0	3481.0	3559.8	3663.8	3769.4
7.5°	3049.2	3069.7	3101.2	3135.9	3213.1	3227.3	3314.0	3436.9	3581.9	3736.3
10°	2839.7	2860.1	2893.2	2932.6	3028.8	3046.1	3156.4	3320.3	3509.4	3704.8
12.5°	2749.8	2756.1	2775.0	2814.4	2898.0	2909.0	3030.3	3217.9	3438.5	3681.2
15°	2745.1	2757.7	2759.3	2779.8	2849.1	2853.8	2965.7	3151.7	3394.3	3676.4
17.5°	2792.4	2801.8	2787.7	2800.3	2858.6	2866.4	2954.7	3120.2	3380.2	3696.9
20°	2918.4	2926.3	2883.8	2866.4	2909.0	2915.3	3002.0	3140.6	3394.3	3739.5
22.5°	3186.3	3191.1	3087.1	3016.1	3019.3	3022.5	3098.1	3224.2	3449.5	3816.7
25°	3603.9	3600.8	3435.3	3298.2	3219.4	3202.1	3252.5	3359.7	3542.5	3919.1
27.5°	4092.4	4068.8	3903.3	3698.5	3526.7	3501.5	3490.5	3536.2	3674.8	4054.6
30°	4644.0	4621.9	4443.9	4176.0	3938.0	3897.0	3793.0	3769.4	3871.8	4239.0
32.5°	5249.1	5234.9	5022.2	4697.6	4379.2	4332.0	4157.1	4094.0	4174.4	4517.9
35°	5756.5	5743.9	5567.4	5233.3	4844.1	4785.8	4607.7	4536.8	4577.8	4875.6
37.5°	6215.1	6208.8	6057.5	5794.3	5392.5	5321.6	5121.5	5097.8	5089.9	5346.8
40°	6640.6	6624.8	6467.2	6328.6	6030.7	5966.1	5789.6	5769.1	5709.3	5926.7
42.5°	7111.7	7070.8	6842.3	6777.7	6697.3	6643.7	6538.1	6541.3	6408.9	6580.7
45°	7496.2	7472.6	7237.8	7200.0	7286.7	7264.6	7356.0	7379.6	7122.8	7266.2
47.5°	7909.1	7887.1	7688.5	7661.7	7896.5	7902.8	8225.9	8233.7	7819.3	7978.5
50°	8418.1	8386.6	8189.6	8222.7	8485.9	8509.5	9100.5	9046.9	8460.7	8701.8
52.5°	8753.8	8772.7	8730.1	8783.7	9143.0	9165.1	9960.9	9823.8	9095.7	9415.6
55°	9001.2	9039.0	9171.4	9294.3	9836.4	9858.4	10772.4	10562.8	9622.1	10077.5
57.5°	9319.5	9265.9	9513.3	9752.8	10495.1	10553.4	11561.9	11275.1	10088.5	10647.9
60°	9776.5	9738.7	9930.9	10285.5	11232.6	11325.5	12397.1	11916.5	10430.5	11100.2
62.5°	10703.1	10608.5	10638.5	10952.1	12162.3	12285.2	13339.4	12475.9	10600.6	11276.7
65°	12088.2	11925.9	11774.6	11992.1	13471.8	13593.2	14403.1	12915.5	10537.6	10934.7
67.5°	13832.7	13671.9	13486.0	13690.9	15400.6	15496.8	15715.8	13163.0	10041.2	9617.3
70°	15271.4	15211.5	15433.7	16276.8	18481.4	18484.6	17398.8	12958.1	8681.3	6818.6
72.5°	15080.7	15044.5	16215.3	18821.8	22364.3	22280.7	18992.0	11407.5	5847.9	3076.0
75°	12371.9	12606.7	14420.5	18776.1	23758.9	23747.8	18016.5	7252.0	2418.9	1274.9
77.5°	6634.3	7006.2	9362.0	13862.6	18547.6	18826.5	12666.6	2537.1	1038.5	816.3
80°	2163.6	2488.2	3731.6	7058.2	12052.0	12000.0	5428.8	995.9	710.7	578.3
82.5°	918.7	956.5	1667.2	3332.9	6185.2	6089.0	1728.7	572.0	499.5	395.5
85°	359.3	401.8	735.9	1541.2	2678.9	2620.6	624.0	283.7	319.9	258.4
87.5°	118.2	143.4	263.2	527.9	833.6	803.7	152.9	97.7	138.7	118.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P852427
 CATALOG NUMBER: GLAN-SB3D-730-U-T4FT

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3884.4	0°	3884.4	3884.4	3884.4	3884.4	3884.4	3884.4	3884.4	3884.4	3884.4	3884.4
3895.5	2.5°	3917.5	3942.7	3972.7	4016.8	4054.6	4086.1	4119.2	4139.7	4147.6	4171.2
3901.8	5°	3945.9	4001.0	4075.1	4147.6	4218.5	4261.1	4298.9	4317.8	4335.1	4347.7
3919.1	7.5°	3993.2	4064.1	4180.7	4275.2	4335.1	4369.8	4395.0	4388.7	4395.0	4398.2
3938.0	10°	4034.1	4133.4	4272.1	4361.9	4407.6	4409.2	4402.9	4380.8	4369.8	4371.4
3966.4	12.5°	4083.0	4193.3	4343.0	4418.6	4431.2	4396.6	4369.8	4332.0	4317.8	4311.5
4008.9	15°	4149.2	4275.2	4420.2	4448.6	4417.1	4372.9	4327.2	4265.8	4234.3	4209.1
4081.4	17.5°	4229.5	4368.2	4480.1	4459.6	4391.9	4319.4	4245.3	4152.3	4087.7	4060.9
4180.7	20°	4341.4	4465.9	4525.8	4436.0	4333.5	4223.2	4097.2	3983.7	3923.8	3897.0
4306.8	22.5°	4476.9	4596.7	4569.9	4395.0	4250.0	4073.5	3916.0	3832.4	3802.5	3783.6
4469.1	25°	4639.3	4741.7	4601.4	4335.1	4112.9	3875.0	3753.6	3726.9	3712.7	3698.5
4667.6	27.5°	4850.4	4905.6	4625.1	4246.9	3898.6	3663.8	3619.7	3624.4	3619.7	3596.1
4943.4	30°	5129.3	5118.3	4647.1	4103.5	3652.8	3473.1	3476.3	3496.8	3499.9	3484.2
5327.9	32.5°	5496.5	5384.6	4658.2	3917.5	3418.0	3306.1	3309.3	3331.3	3347.1	3320.3
5830.6	35°	5940.9	5695.1	4640.8	3684.3	3236.8	3146.9	3123.3	3129.6	3134.3	3109.1
6440.4	37.5°	6459.4	6043.3	4563.6	3425.9	3087.1	2990.9	2940.5	2898.0	2872.7	2849.1
7130.7	40°	7028.2	6423.1	4421.8	3173.7	2920.0	2825.5	2749.8	2669.5	2584.4	2552.9
7861.8	42.5°	7623.9	6813.9	4250.0	2932.6	2727.8	2650.6	2570.2	2453.6	2325.9	2261.3
8621.4	45°	8241.6	7214.2	4081.4	2694.7	2530.8	2497.7	2404.7	2264.5	2125.8	2043.9
9382.5	47.5°	8846.7	7592.4	3834.0	2455.2	2346.4	2382.7	2310.2	2181.0	2026.5	1897.3
10137.4	50°	9425.1	7946.9	3429.0	2212.5	2196.7	2348.0	2278.7	2092.7	1916.2	1750.8
10878.0	52.5°	9998.7	8233.7	2910.6	1991.9	2116.3	2338.5	2237.7	2032.8	1816.9	1643.6
11574.5	55°	10485.6	8381.9	2411.0	1802.8	1999.7	2258.2	2188.8	1961.9	1676.7	1492.3
12052.0	57.5°	10763.0	8262.1	1995.0	1616.8	1839.0	2125.8	2105.3	1810.6	1509.7	1367.8
12145.0	60°	10643.2	7776.7	1654.6	1454.5	1686.1	1982.4	1960.3	1660.9	1382.0	1248.1
11647.0	62.5°	9982.9	6851.7	1385.2	1312.7	1547.5	1835.8	1815.4	1545.9	1284.3	1155.1
10324.9	65°	8652.9	5573.7	1175.6	1194.5	1407.2	1659.4	1689.3	1449.8	1207.1	1081.0
7987.9	67.5°	6599.6	4037.3	1011.7	1092.1	1270.1	1486.0	1572.7	1380.4	1142.5	1022.7
4621.9	70°	3761.5	2292.8	873.0	992.8	1148.8	1325.3	1482.9	1325.3	1073.1	973.9
1731.8	72.5°	1426.1	1052.7	754.8	893.5	1032.2	1189.8	1383.6	1238.6	992.8	918.7
895.1	75°	761.1	641.4	635.1	776.9	898.2	1057.4	1259.1	1153.5	932.9	970.7
619.3	77.5°	518.4	453.8	531.1	665.0	751.7	910.8	1126.7	1024.3	808.4	805.3
428.6	80°	359.3	321.5	431.8	535.8	581.5	765.9	983.3	879.3	658.7	614.6
264.7	82.5°	215.9	209.6	323.0	400.3	411.3	590.9	814.7	737.5	538.9	469.6
157.6	85°	118.2	124.5	206.4	234.8	239.5	412.9	638.2	570.5	414.4	348.3
56.7	87.5°	33.1	42.5	75.6	93.0	115.0	214.3	379.8	338.8	208.0	145.0
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>
3884.4
4169.7
4350.9
4402.9
4374.5
4308.3
4216.9
4062.5
3893.9
3786.7
3698.5
3600.8
3492.1
3332.9
3126.5
2864.9
2567.0
2269.2
2037.6
1883.1
1736.6
1624.7
1476.6
1348.9
1229.2
1134.6
1060.5
1003.8
961.3
906.1
1002.2
742.2
587.8
472.8
351.4
145.0
0.0

F REPORT)