

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: P846985

Luminaire Tested: **GLAN-SB2D-840-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846985
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-SB2D-840-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 4000K, 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: 13215 lumens
Efficiency: N/A
Efficacy: 89.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

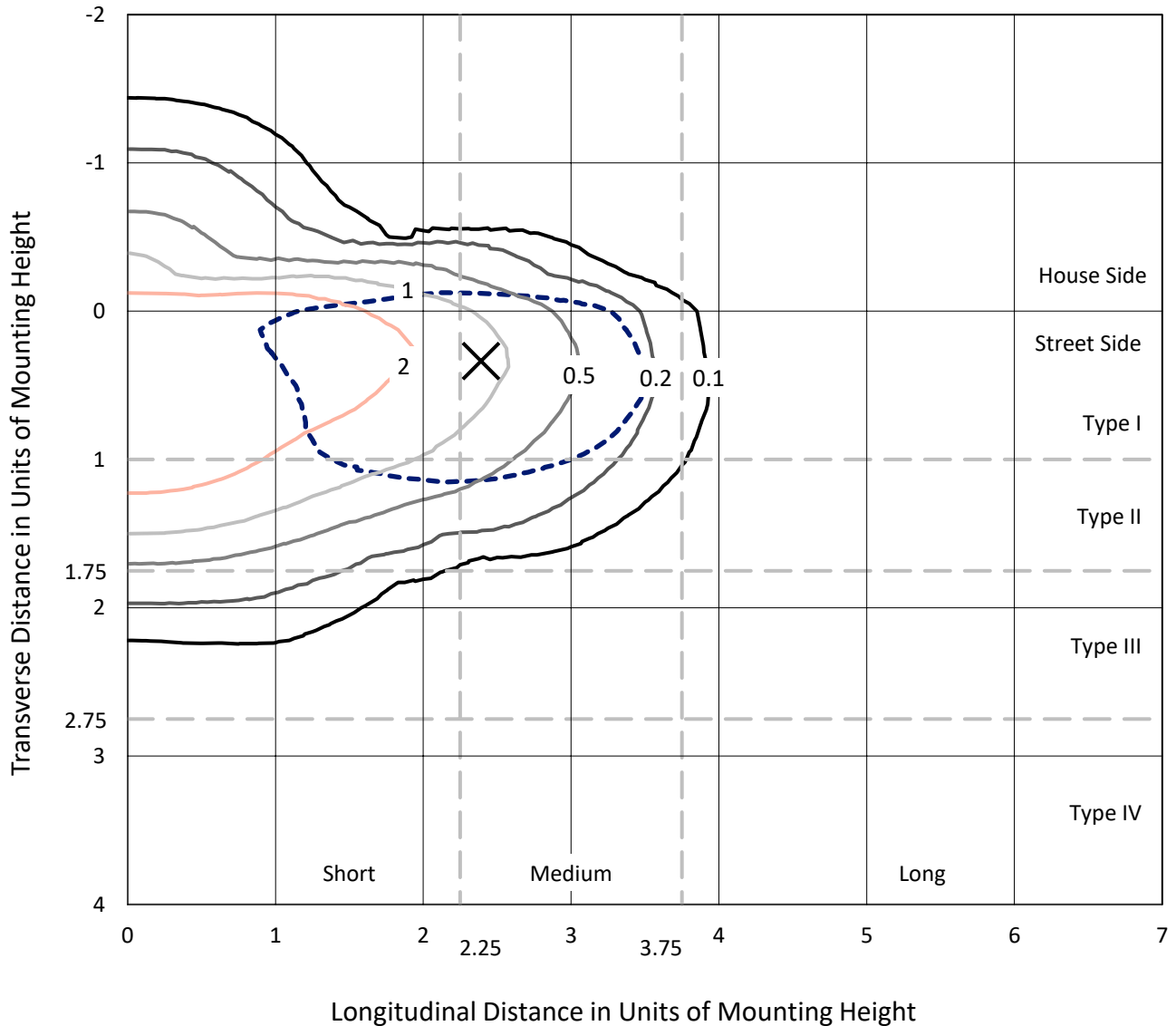
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P846985
 CATALOG NUMBER: GLAN-SB2D-840-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination

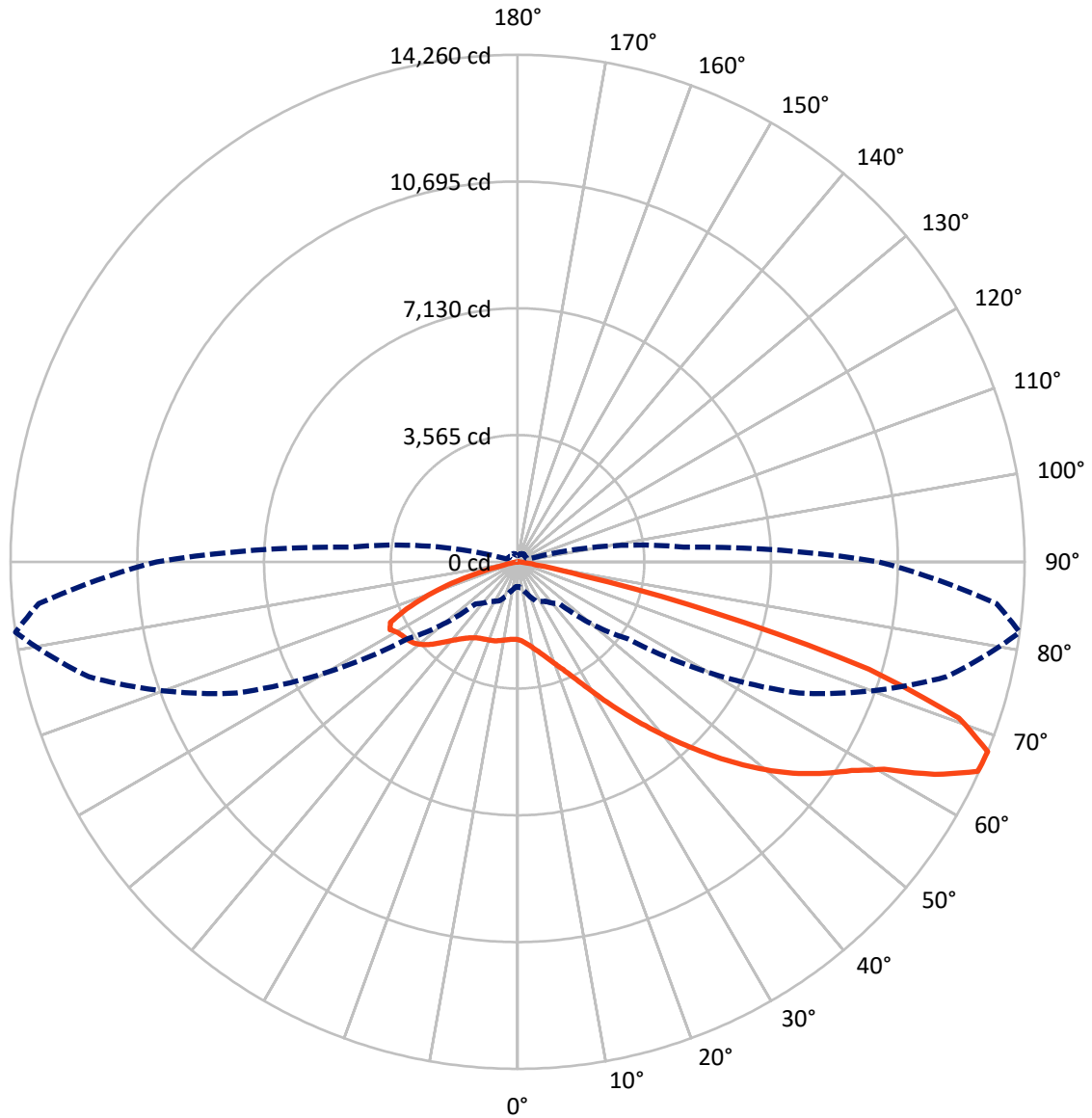
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
 Type II - Medium - N/A

REPORT NUMBER: P846985
CATALOG NUMBER: GLAN-SB2D-840-U-T2-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P846985
 CATALOG NUMBER: GLAN-SB2D-840-U-T2-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2393.8	0.0	2393.8
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	10821.2	0.0	10821.2
	% Fixture	81.9	0.0	81.9
Total	Lumens	13215.0	0.0	13215.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.0	1.5
10°-20°	506.9	3.8
20°-30°	811.8	6.1
30°-40°	1435.5	10.9
40°-50°	2515.2	19.0
50°-60°	3354.6	25.4
60°-70°	3122.9	23.6
70°-80°	1198.6	9.1
80°-90°	74.4	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°	13215.0	100.0
0°-180°	13215.0	100.0

Coefficient of Utilization

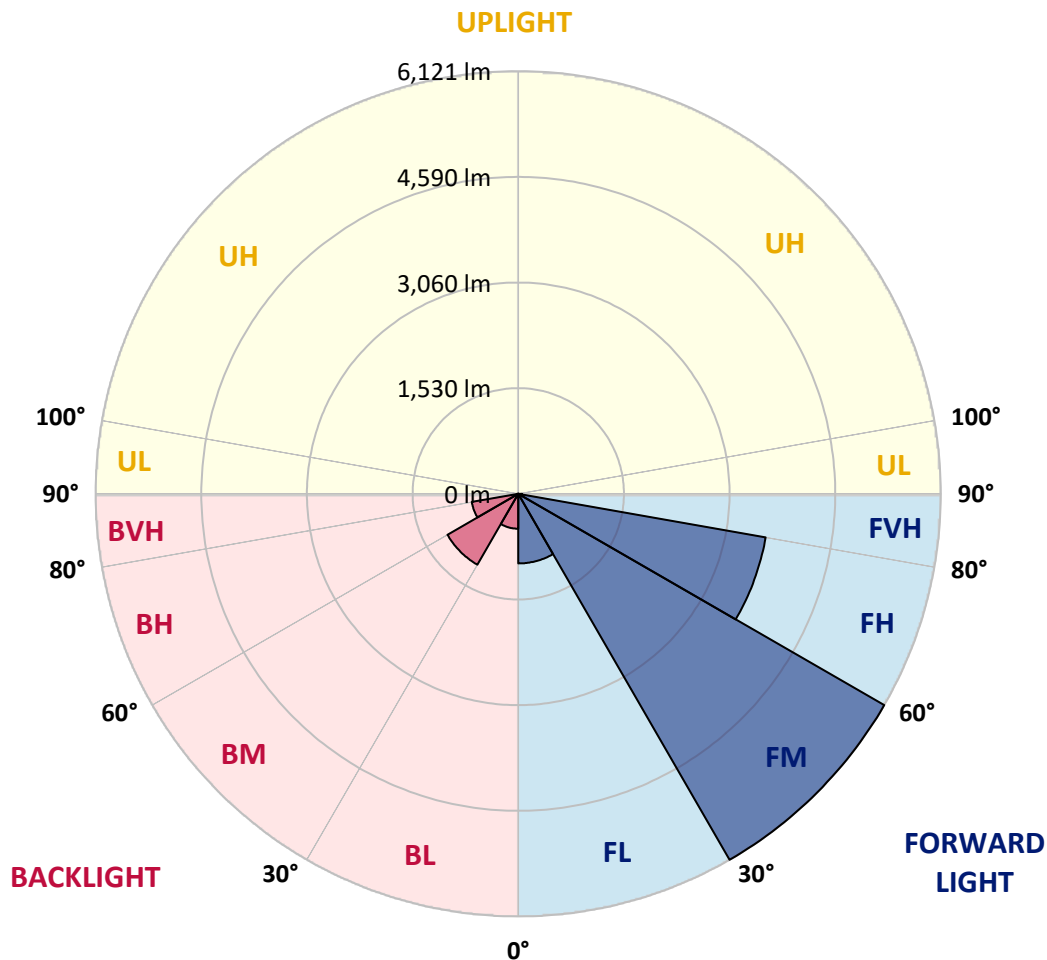


REPORT NUMBER: P846985
 CATALOG NUMBER: GLAN-SB2D-840-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1008.2	7.6			
FM (30°-60°)	6120.6	46.3			
FH (60°-80°)	3638.3	27.5			G2/5000
FVH (80°-90°)	54.1	0.4			G1/100
BL (0°-30°)	505.6	3.8	B2/1000		
BM (30°-60°)	1184.7	9.0	B2/2500		
BH (60°-80°)	683.2	5.2	B2/1000		G2/1000
BVH (80°-90°)	20.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type II Medium



REPORT NUMBER: P846985
 CATALOG NUMBER: GLAN-SB2D-840-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2189.3	2189.3	2189.3	2189.3	2189.3	2189.3	2189.3	2189.3	2189.3	2189.3
2.5°	2313.9	2327.2	2319.6	2315.8	2309.2	2299.6	2292.0	2268.2	2243.5	2227.3
5°	2360.5	2373.9	2372.9	2376.7	2381.5	2384.3	2382.4	2355.8	2320.6	2293.0
7.5°	2320.6	2335.8	2348.2	2367.2	2400.5	2435.7	2452.8	2447.1	2411.0	2372.9
10°	2207.4	2223.5	2253.0	2297.7	2368.2	2444.3	2508.0	2537.5	2514.7	2472.8
12.5°	1999.9	2016.1	2074.2	2171.2	2289.2	2421.4	2543.2	2622.2	2627.9	2586.0
15°	1766.8	1783.0	1844.9	1966.6	2146.5	2358.6	2562.2	2711.6	2762.0	2725.9
17.5°	1622.2	1636.5	1683.1	1781.1	1968.5	2233.0	2555.6	2806.8	2921.9	2893.3
20°	1578.4	1590.8	1612.7	1681.2	1837.2	2102.7	2511.8	2896.2	3094.1	3077.9
22.5°	1625.1	1636.5	1643.1	1673.6	1771.6	2017.1	2456.6	2987.5	3293.9	3295.8
25°	1732.6	1744.0	1736.4	1755.4	1798.2	1990.4	2435.7	3095.1	3545.1	3566.0
27.5°	1909.6	1910.5	1892.4	1891.5	1898.1	2030.4	2457.6	3210.2	3861.9	3900.9
30°	2264.4	2250.2	2180.7	2105.6	2071.3	2150.3	2518.5	3346.2	4235.8	4305.3
32.5°	2811.5	2790.6	2663.1	2483.3	2302.5	2343.4	2627.9	3501.3	4643.1	4768.6
35°	3405.2	3399.5	3266.3	2999.0	2683.1	2618.4	2805.8	3704.9	5087.4	5287.2
37.5°	3957.1	3954.2	3878.1	3563.2	3178.8	3001.8	3091.2	3971.3	5563.1	5852.3
40°	4461.3	4469.9	4393.8	4112.2	3724.9	3493.7	3479.4	4300.5	6092.1	6467.9
42.5°	4897.1	4906.6	4829.5	4621.2	4264.4	4037.9	3956.1	4704.0	6608.7	7129.2
45°	5193.0	5252.0	5240.6	5074.1	4818.1	4583.1	4528.9	5210.1	7197.7	7830.4
47.5°	5276.7	5331.0	5416.6	5439.4	5283.4	5052.2	5116.9	5820.0	7793.3	8532.6
50°	5070.3	5120.7	5298.6	5535.5	5644.0	5572.6	5688.7	6473.6	8403.2	9232.8
52.5°	4663.0	4714.4	4939.0	5313.8	5756.3	5980.8	6262.4	7117.8	8994.0	9896.0
55°	4074.1	4128.3	4416.6	4841.0	5542.2	6149.2	6741.0	7760.9	9535.4	10492.6
57.5°	3273.0	3312.9	3612.6	4206.3	5003.7	5981.7	7094.0	8463.1	10045.4	11078.6
60°	2133.1	2168.3	2516.6	3178.8	4111.2	5422.3	7164.4	9246.2	10722.8	11840.8
62.5°	1418.6	1442.4	1648.9	2135.0	2895.3	4348.1	6752.4	9871.3	11716.1	13167.1
65°	973.3	997.1	1203.6	1542.3	1870.5	2876.2	5567.9	9788.5	12616.2	14220.3
67.5°	694.6	714.5	889.6	1209.3	1353.9	1670.7	3774.4	8730.5	12486.8	14260.3
70°	497.6	509.0	653.6	941.9	1076.1	1003.8	2098.9	6677.3	10933.1	13168.0
72.5°	348.2	352.0	453.8	717.4	866.8	732.6	999.0	4451.8	8269.0	10335.6
75°	236.0	240.7	305.4	526.1	695.5	559.5	529.0	2387.2	4854.3	5721.0
77.5°	144.6	146.5	196.9	359.6	520.4	426.2	340.6	1011.4	1878.2	1843.9
80°	81.8	81.8	125.6	223.6	354.9	275.0	238.8	430.1	594.7	522.3
82.5°	45.7	46.6	91.3	138.9	235.0	162.7	131.3	198.9	256.9	227.4
85°	19.0	20.9	56.1	65.6	112.3	80.9	53.3	83.7	95.1	84.7
87.5°	1.9	2.9	17.1	12.4	13.3	16.2	7.6	16.2	13.3	13.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P846985
 CATALOG NUMBER: GLAN-SB2D-840-U-T2-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2189.3	0°	2189.3	2189.3	2189.3	2189.3	2189.3	2189.3	2189.3	2189.3	2189.3	2189.3
2221.6	2.5°	2203.5	2189.3	2153.1	2111.3	2056.1	2029.4	1993.3	1968.5	1947.6	1949.5
2276.8	5°	2246.4	2210.2	2129.3	2028.5	1902.9	1813.5	1718.3	1652.7	1599.4	1588.0
2352.9	7.5°	2305.4	2248.3	2106.5	1924.8	1712.6	1551.8	1408.1	1315.9	1250.2	1229.3
2445.2	10°	2381.5	2298.7	2077.0	1794.4	1489.0	1284.5	1130.3	1058.0	1013.3	998.1
2553.7	12.5°	2470.0	2356.7	2038.0	1635.5	1258.8	1061.8	963.8	927.7	913.4	908.6
2686.9	15°	2581.3	2429.0	1979.0	1447.2	1063.7	925.8	883.9	879.1	881.0	879.1
2846.7	17.5°	2713.5	2508.0	1882.9	1253.1	932.4	856.3	841.1	844.9	849.6	848.7
3025.6	20°	2858.1	2586.0	1760.2	1080.8	843.0	806.8	798.3	802.1	805.9	804.0
3232.1	22.5°	3022.7	2669.8	1624.1	946.7	783.0	761.2	751.6	752.6	752.6	748.8
3493.7	25°	3219.7	2762.0	1481.4	851.5	737.4	720.2	708.8	705.0	699.3	687.9
3811.5	27.5°	3454.7	2860.0	1344.4	784.9	701.2	685.0	671.7	662.2	647.9	628.9
4193.0	30°	3719.2	2979.0	1228.3	743.1	672.7	656.5	641.3	627.0	606.1	582.3
4631.6	32.5°	4030.3	3106.5	1143.6	715.5	647.0	629.9	611.8	594.7	571.8	548.0
5124.5	35°	4401.4	3260.6	1094.2	696.5	627.0	604.2	584.2	565.2	548.0	527.1
5660.2	37.5°	4803.9	3424.3	1078.9	686.9	613.7	578.5	555.6	542.3	540.4	528.1
6239.6	40°	5244.4	3618.4	1090.4	681.2	599.4	553.7	529.0	526.1	530.9	509.0
6859.0	42.5°	5710.6	3848.6	1109.4	674.6	579.4	529.0	505.2	505.2	501.4	471.0
7513.6	45°	6214.8	4114.1	1128.4	658.4	555.6	504.3	486.2	479.5	463.4	433.9
8172.0	47.5°	6722.9	4384.3	1142.7	628.9	527.1	483.3	467.2	451.9	428.2	401.5
8818.0	50°	7205.3	4626.9	1127.5	585.1	494.8	463.4	446.2	425.3	399.6	381.5
9429.8	52.5°	7636.3	4837.2	1062.8	533.8	460.5	442.4	427.2	405.3	384.4	365.4
9981.6	55°	8011.2	5007.5	948.6	485.2	430.1	424.3	409.1	381.5	353.0	336.8
10528.7	57.5°	8370.8	5136.9	805.9	445.3	402.5	404.4	381.5	356.8	330.2	313.0
11266.1	60°	8849.4	5310.0	661.3	408.2	373.0	378.7	353.9	335.9	302.6	280.7
12530.5	62.5°	9614.4	5579.3	525.2	362.5	338.7	340.6	330.2	308.3	268.3	242.6
13467.7	65°	10221.4	5480.3	413.9	313.0	299.7	302.6	302.6	278.8	236.0	206.5
13518.2	67.5°	10152.9	4692.5	330.2	264.5	262.6	264.5	271.2	251.2	209.3	185.5
12488.7	70°	9352.7	3732.5	264.5	219.8	228.3	223.6	242.6	229.3	188.4	164.6
9681.9	72.5°	7631.6	2688.8	201.7	181.7	175.1	182.7	218.8	206.5	157.0	130.3
5128.3	75°	4459.4	1434.8	150.3	143.7	126.5	152.2	194.1	176.0	119.9	96.1
1571.8	77.5°	1451.9	500.5	110.4	105.6	94.2	122.7	165.6	148.4	98.0	76.1
460.5	80°	389.1	151.3	75.2	69.5	60.9	91.3	131.3	118.0	70.4	49.5
197.9	82.5°	156.0	63.7	43.8	39.0	33.3	62.8	103.7	95.1	52.3	31.4
61.8	85°	50.4	20.9	16.2	12.4	15.2	39.0	61.8	64.7	37.1	16.2
9.5	87.5°	6.7	2.9	2.9	3.8	2.9	6.7	19.0	18.1	10.5	1.9
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°
2189.3
1930.5
1562.3
1208.3
986.6
905.8
878.2
846.8
803.0
746.9
686.0
627.0
580.4
549.0
525.2
527.1
510.0
471.0
432.9
400.6
378.7
363.5
334.9
311.1
277.8
240.7
203.6
181.7
161.7
127.5
93.2
73.3
48.5
31.4
12.4
0.0
0.0

F REPORT)