

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: P848958

Luminaire Tested: **GLAN-SB5D-735-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848958
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5D-735-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 50477 lumens
Efficiency: N/A
Efficacy: 138.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G5

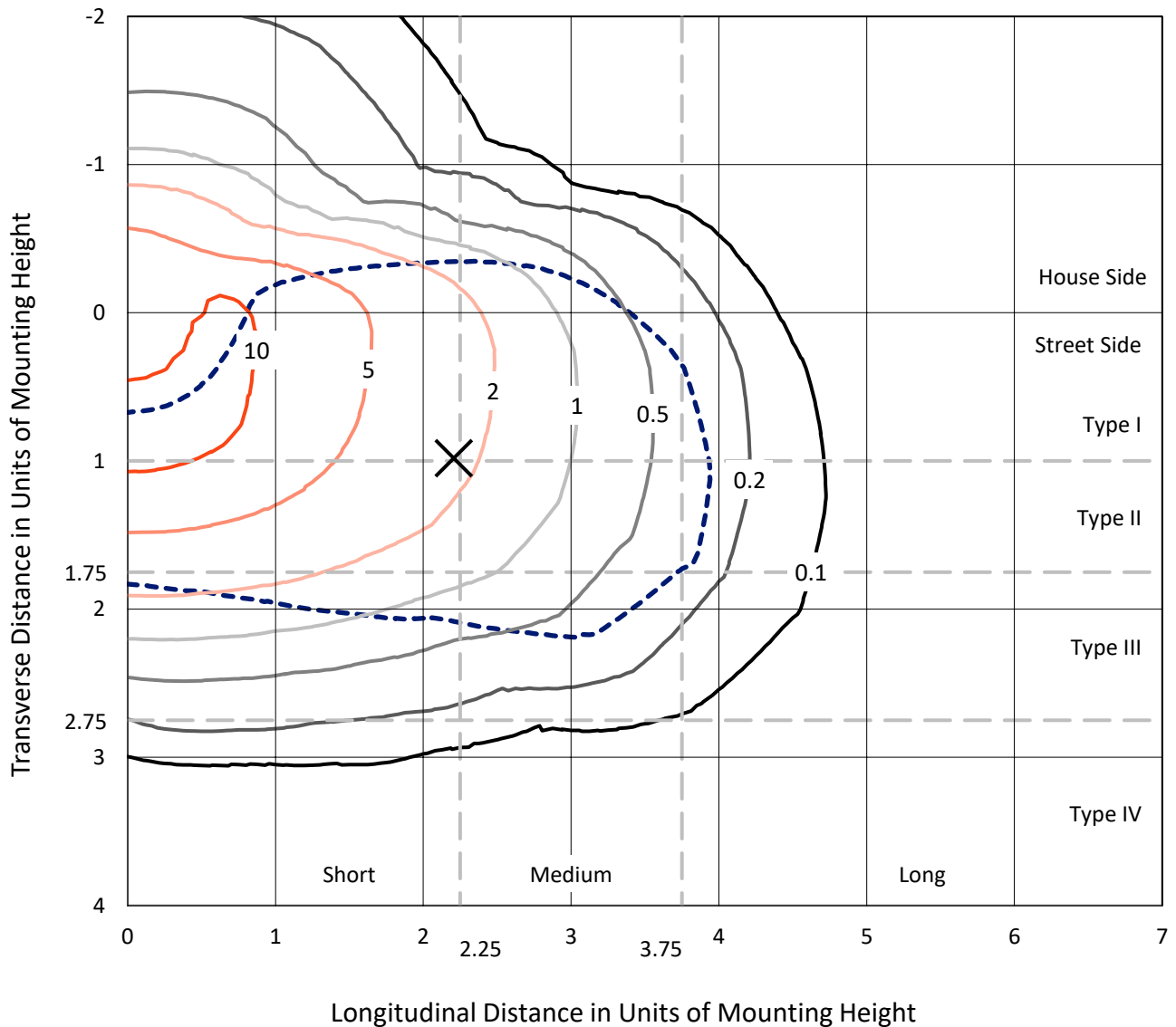
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P848958
 CATALOG NUMBER: GLAN-SB5D-735-U-T3

Iso-Footcandle Lines of Horizontal Illumination

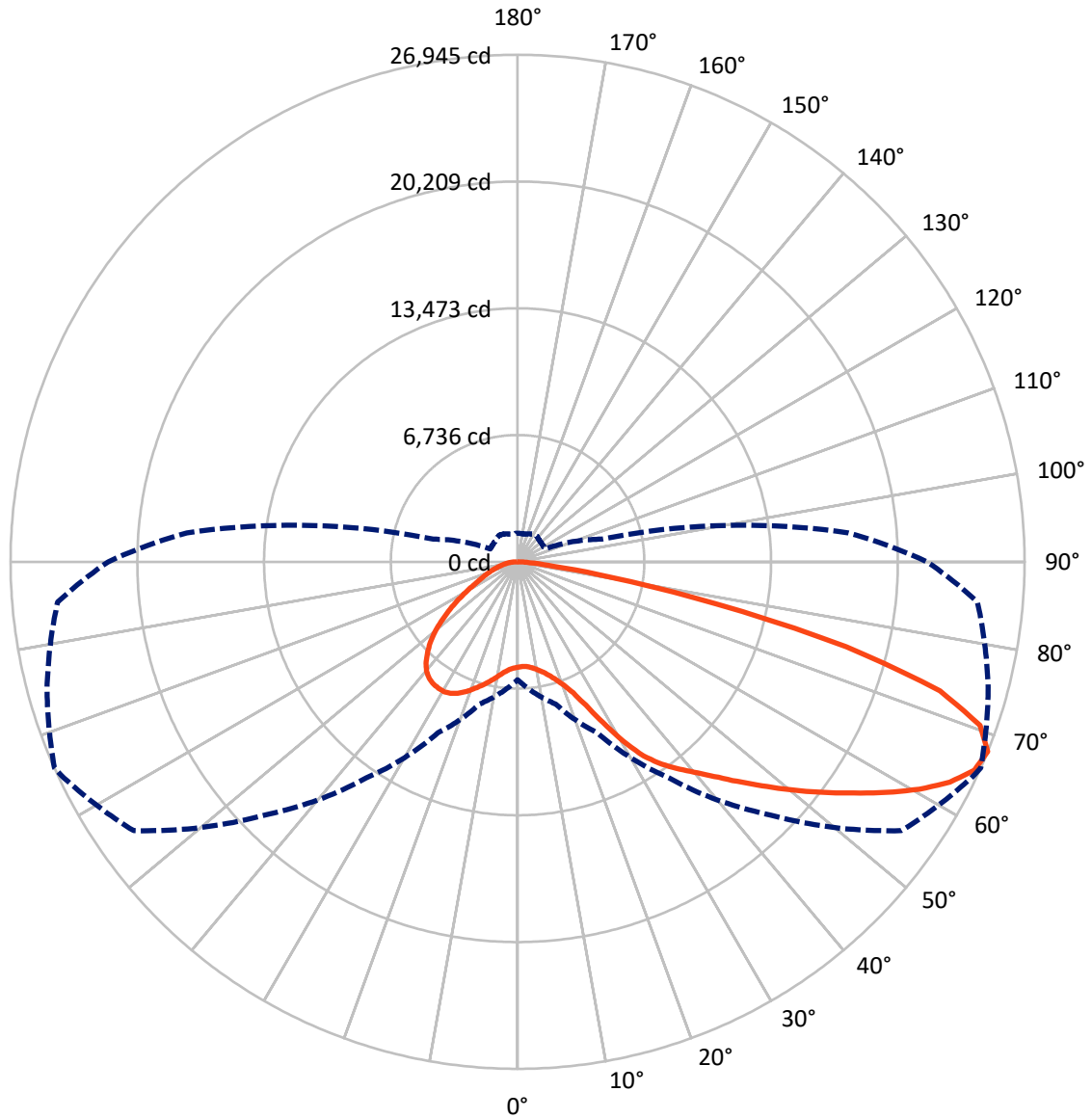
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.7 fc
 Type III - Short - N/A

REPORT NUMBER: P848958
CATALOG NUMBER: GLAN-SB5D-735-U-T3

Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P848958
 CATALOG NUMBER: GLAN-SB5D-735-U-T3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12551.0	0.0	12551.0
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	37926.0	0.0	37926.0
	% Fixture	75.1	0.0	75.1
Total	Lumens	50477.0	0.0	50477.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	555.1	1.1
10°-20°	1833.9	3.6
20°-30°	3534.7	7.0
30°-40°	6197.7	12.3
40°-50°	9213.9	18.3
50°-60°	11679.6	23.1
60°-70°	11428.2	22.6
70°-80°	5451.3	10.8
80°-90°	582.6	1.2
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°	50477.0	100.0
0°-180°	50477.0	100.0

Coefficient of Utilization



REPORT NUMBER: P848958

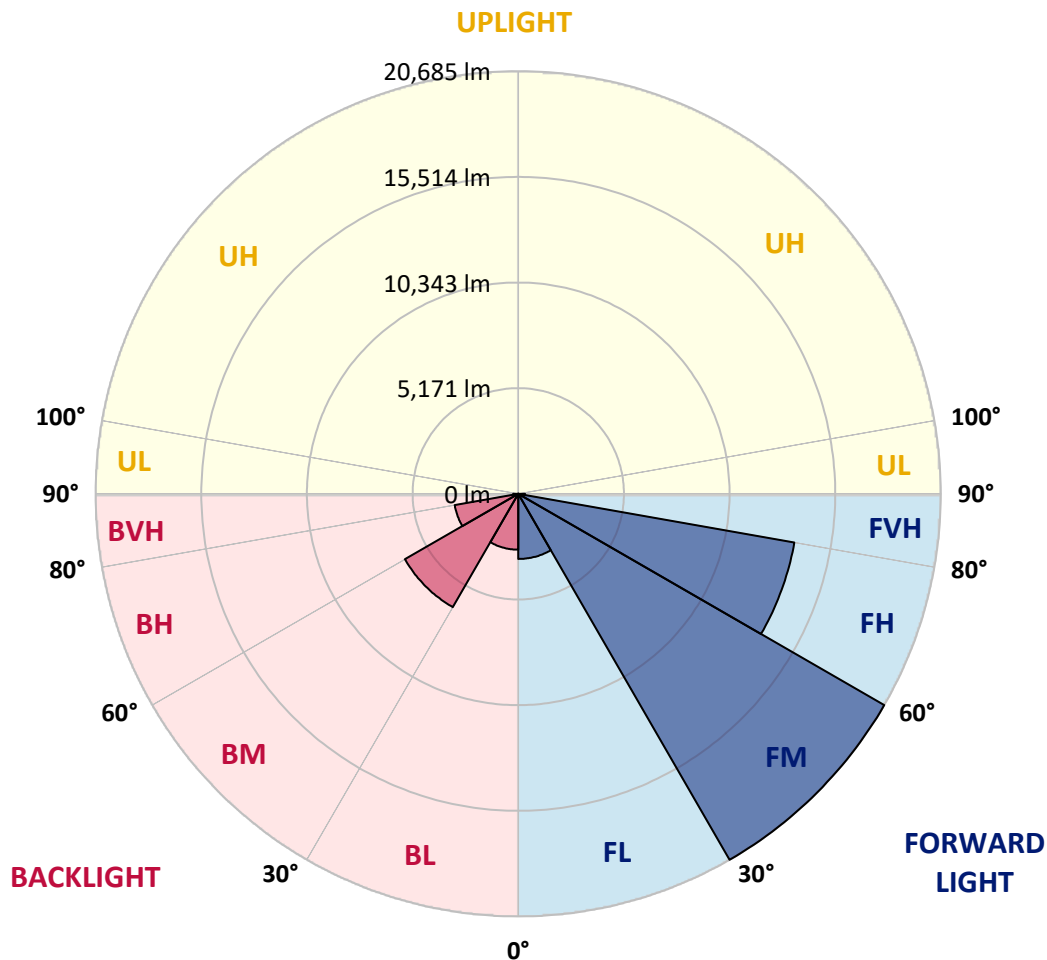
CATALOG NUMBER: GLAN-SB5D-735-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3189.6	6.3			
FM (30°-60°)	20685.0	41.0			
FH (60°-80°)	13721.0	27.2			G5
FVH (80°-90°)	330.3	0.7			G3/500
BL (0°-30°)	2734.1	5.4	B4/5000		
BM (30°-60°)	6406.1	12.7	B4/8500		
BH (60°-80°)	3158.5	6.3	B4/5000		G4/5000
BVH (80°-90°)	252.3	0.5			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 III Short



REPORT NUMBER: P848958
 CATALOG NUMBER: GLAN-SB5D-735-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	5598.6	5598.6	5598.6	5598.6	5598.6	5598.6	5598.6	5598.6	5598.6	5598.6
2.5°	5540.2	5572.0	5564.1	5550.8	5548.2	5553.5	5561.4	5569.4	5566.7	5580.0
5°	5524.3	5556.1	5553.5	5553.5	5564.1	5585.3	5598.6	5611.8	5598.6	5614.5
7.5°	5534.9	5558.8	5569.4	5580.0	5606.5	5646.3	5678.1	5707.3	5691.4	5710.0
10°	5670.2	5688.7	5699.3	5699.3	5717.9	5763.0	5794.8	5847.9	5834.6	5863.8
12.5°	5916.8	5935.4	5935.4	5924.8	5938.0	5967.2	5977.8	6036.2	6012.3	6060.0
15°	6219.2	6256.3	6227.1	6208.5	6213.9	6243.0	6240.4	6285.5	6261.6	6301.4
17.5°	6553.3	6601.1	6553.3	6550.7	6540.1	6571.9	6574.5	6614.3	6571.9	6601.1
20°	6948.5	7014.8	6975.0	6988.3	6964.4	6977.7	6990.9	7049.3	6983.0	7004.2
22.5°	7505.4	7585.0	7542.5	7592.9	7577.0	7566.4	7563.8	7667.2	7563.8	7571.7
25°	8317.0	8412.4	8338.2	8407.1	8407.1	8441.6	8481.4	8614.0	8441.6	8391.2
27.5°	9515.7	9611.2	9465.3	9507.8	9494.5	9579.4	9536.9	9865.8	9680.1	9597.9
30°	10958.4	11128.2	10852.4	10841.8	10828.5	10963.7	11024.7	11242.2	11053.9	10971.7
32.5°	12517.9	12695.6	12366.7	12271.2	12220.8	12303.1	12252.7	12427.7	12297.8	12170.5
35°	14167.5	14342.5	14029.6	13843.9	13642.4	13470.0	13289.6	13334.7	13212.7	13019.1
37.5°	15726.9	16047.8	15716.3	15517.4	15146.1	14809.3	14305.4	14095.9	13981.8	13804.1
40°	17315.5	17498.5	17246.6	17076.8	16673.7	16145.9	15339.7	14896.8	14743.0	14570.6
42.5°	18485.1	18660.1	18524.9	18408.2	18092.6	17479.9	16437.7	15883.4	15660.6	15467.0
45°	19413.3	19543.3	19458.4	19500.8	19365.6	18771.5	17575.4	16941.6	16710.8	16474.8
47.5°	19787.3	19925.2	20060.4	20312.4	20543.1	20105.5	18798.0	18087.3	17843.3	17601.9
50°	19744.8	19885.4	20277.9	20813.6	21529.7	21383.8	20086.9	19307.2	19081.8	18806.0
52.5°	19405.4	19564.5	20068.4	20959.5	22099.9	22341.2	21399.7	20567.0	20354.8	20025.9
55°	18514.3	18609.7	19365.6	20628.0	22235.1	23009.6	22686.0	21908.9	21696.8	21238.0
57.5°	16862.0	16999.9	18100.5	19734.2	21895.7	23463.1	23815.8	23319.8	23115.6	22455.3
60°	14705.9	14926.0	16185.7	18233.1	21031.1	23460.4	24842.1	24706.9	24537.2	23654.0
62.5°	12265.9	12520.5	13732.5	16111.5	19519.4	22794.7	25484.0	25868.5	25781.0	24759.9
65°	9420.2	9595.3	10802.0	13366.5	17167.0	21365.3	25558.2	26661.5	26677.4	25600.6
67.5°	6272.2	6776.1	7823.7	10030.2	14016.3	19028.8	24905.8	26791.4	26945.3	25889.7
70°	3060.5	3723.5	4749.9	6518.8	10030.2	15445.8	23200.5	25725.3	26067.4	25046.4
72.5°	1270.4	1485.2	2044.8	3217.0	5757.7	10422.7	19774.0	22834.5	23468.4	22192.7
75°	856.6	928.2	1169.6	1649.6	2622.9	5139.8	14260.3	17026.4	18047.5	16761.2
77.5°	660.4	705.5	851.3	1153.7	1559.4	1944.0	7632.7	10260.9	10788.7	9987.8
80°	519.8	554.3	636.5	840.7	1105.9	1039.6	2601.7	4649.1	4954.1	4155.8
82.5°	450.9	464.1	456.2	570.2	734.6	607.3	854.0	1715.9	1893.6	1373.8
85°	326.2	363.3	379.2	352.7	389.9	307.6	350.1	607.3	668.3	596.7
87.5°	132.6	196.3	241.3	228.1	143.2	87.5	108.7	177.7	204.2	222.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P848958
 CATALOG NUMBER: GLAN-SB5D-735-U-T3

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
5598.6	0°	5598.6	5598.6	5598.6	5598.6	5598.6	5598.6	5598.6	5598.6	5598.6	5598.6
5601.2	2.5°	5603.9	5622.4	5635.7	5651.6	5662.2	5678.1	5710.0	5728.5	5731.2	5744.4
5643.7	5°	5654.3	5680.8	5710.0	5752.4	5800.1	5839.9	5900.9	5943.3	5959.3	5972.5
5747.1	7.5°	5763.0	5800.1	5853.2	5927.4	5996.4	6049.4	6123.7	6174.1	6224.5	6243.0
5911.5	10°	5924.8	5977.8	6054.7	6155.5	6229.8	6298.7	6375.6	6418.1	6468.5	6489.7
6107.8	12.5°	6126.3	6182.0	6282.8	6423.4	6492.3	6540.1	6566.6	6556.0	6566.6	6585.1
6343.8	15°	6357.1	6418.1	6532.1	6683.3	6731.0	6688.6	6630.2	6577.2	6569.2	6574.5
6630.2	17.5°	6630.2	6675.3	6807.9	6935.2	6900.7	6725.7	6598.4	6513.5	6471.1	6457.8
6996.2	20°	7012.1	7012.1	7120.9	7200.4	6969.7	6672.7	6473.8	6335.8	6248.3	6211.2
7494.8	22.5°	7476.2	7433.8	7502.8	7447.1	6956.4	6524.1	6248.3	6009.6	5877.0	5824.0
8192.3	25°	8065.0	8014.6	7996.1	7651.3	6861.0	6288.1	5839.9	5550.8	5434.1	5405.0
9197.5	27.5°	8953.5	8826.2	8584.8	7762.7	6685.9	5916.8	5362.5	5094.7	5028.4	5031.0
10489.0	30°	10136.3	9881.7	9290.3	7781.2	6399.5	5391.7	4874.5	4683.6	4651.8	4665.0
11573.7	32.5°	11231.6	10990.3	10011.6	7696.4	5959.3	4877.2	4437.0	4309.6	4261.9	4277.8
12401.2	35°	12090.9	12024.6	10680.0	7577.0	5418.2	4394.5	4044.4	3935.7	3842.9	3821.7
13180.9	37.5°	12902.4	12875.9	11181.2	7409.9	4882.5	4052.4	3728.8	3585.6	3450.4	3376.1
14042.8	40°	13793.5	13767.0	11510.1	7152.7	4407.8	3755.4	3445.1	3256.8	3089.7	2954.4
15018.8	42.5°	14796.0	14639.5	11666.6	6784.1	4004.7	3503.4	3214.3	2959.7	2739.6	2615.0
16122.1	45°	15891.3	15538.6	11663.9	6314.6	3665.2	3272.7	2967.7	2607.0	2402.8	2286.1
17254.5	47.5°	17053.0	16397.9	11520.7	5794.8	3336.3	3018.1	2585.8	2310.0	2174.7	2103.1
18485.1	50°	18251.7	17201.5	11276.7	5198.1	2999.5	2729.0	2347.1	2158.8	2055.4	1989.1
19705.0	52.5°	19378.8	17930.8	10982.3	4521.8	2657.4	2447.9	2241.0	2095.2	1986.4	1912.2
20887.9	55°	20426.4	18559.3	10565.9	3829.6	2378.9	2259.6	2190.6	2068.6	1944.0	1856.5
22089.3	57.5°	21357.3	18967.8	9847.2	3179.9	2180.0	2129.6	2137.6	2023.5	1880.3	1806.1
23272.1	60°	22131.7	19267.4	8783.7	2577.8	2018.2	2002.3	2055.4	1938.7	1771.6	1686.7
24271.9	62.5°	22595.8	19262.1	7478.9	2111.1	1880.3	1885.6	1946.6	1832.6	1662.9	1583.3
24794.4	65°	22556.0	18790.1	6046.8	1806.1	1747.7	1753.0	1832.6	1715.9	1572.7	1525.0
24531.9	67.5°	21757.8	17639.1	4638.5	1607.2	1601.9	1625.7	1718.6	1636.3	1517.0	1511.7
22967.1	70°	19596.3	15249.5	3341.6	1448.0	1450.7	1485.2	1607.2	1586.0	1487.8	1498.4
19309.9	72.5°	15713.6	11626.8	2243.7	1281.0	1283.6	1339.3	1501.1	1546.2	1458.7	1599.2
13700.7	75°	10465.2	7250.8	1442.7	1103.3	1105.9	1177.5	1408.3	1469.3	1379.1	1593.9
7128.8	77.5°	5028.4	3259.4	1044.9	928.2	928.2	994.5	1217.3	1315.4	1174.9	1238.5
2291.4	80°	1737.1	1225.3	822.1	747.9	732.0	777.1	1026.4	1140.4	1013.1	933.5
747.9	82.5°	684.2	636.5	660.4	580.8	527.8	556.9	798.3	941.5	745.2	673.6
421.7	85°	392.5	413.7	466.8	384.6	305.0	342.1	586.1	676.3	562.2	495.9
137.9	87.5°	106.1	145.9	214.8	198.9	137.9	145.9	278.5	373.9	323.6	249.3
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>
5598.6
5741.8
5969.9
6245.7
6500.3
6590.4
6593.1
6476.4
6203.2
5816.0
5410.3
5039.0
4710.1
4299.0
3837.6
3378.8
2967.7
2622.9
2280.8
2087.2
1965.2
1880.3
1822.0
1758.3
1649.6
1559.4
1522.3
1519.6
1495.8
1620.4
1607.2
1135.1
875.2
671.0
506.5
257.3
0.0

F REPORT)