

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: P850873

Luminaire Tested: **GLAN-SB8C-830-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850873
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8C-830-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 51544 lumens
Efficiency: N/A
Efficacy: 128.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B5 - U0 - G5

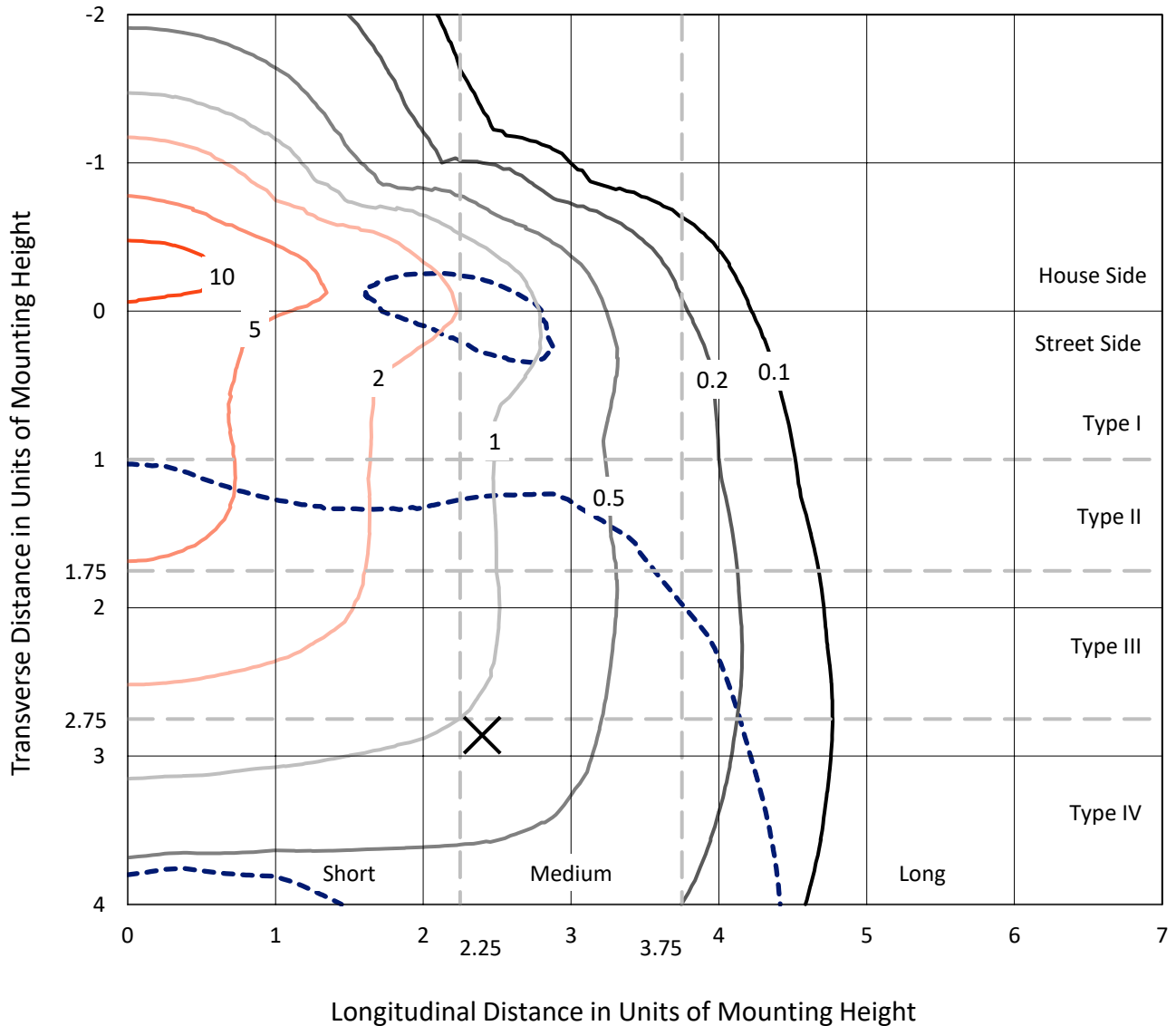
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P850873
 CATALOG NUMBER: GLAN-SB8C-830-U-SL4

Iso-Footcandle Lines of Horizontal Illumination

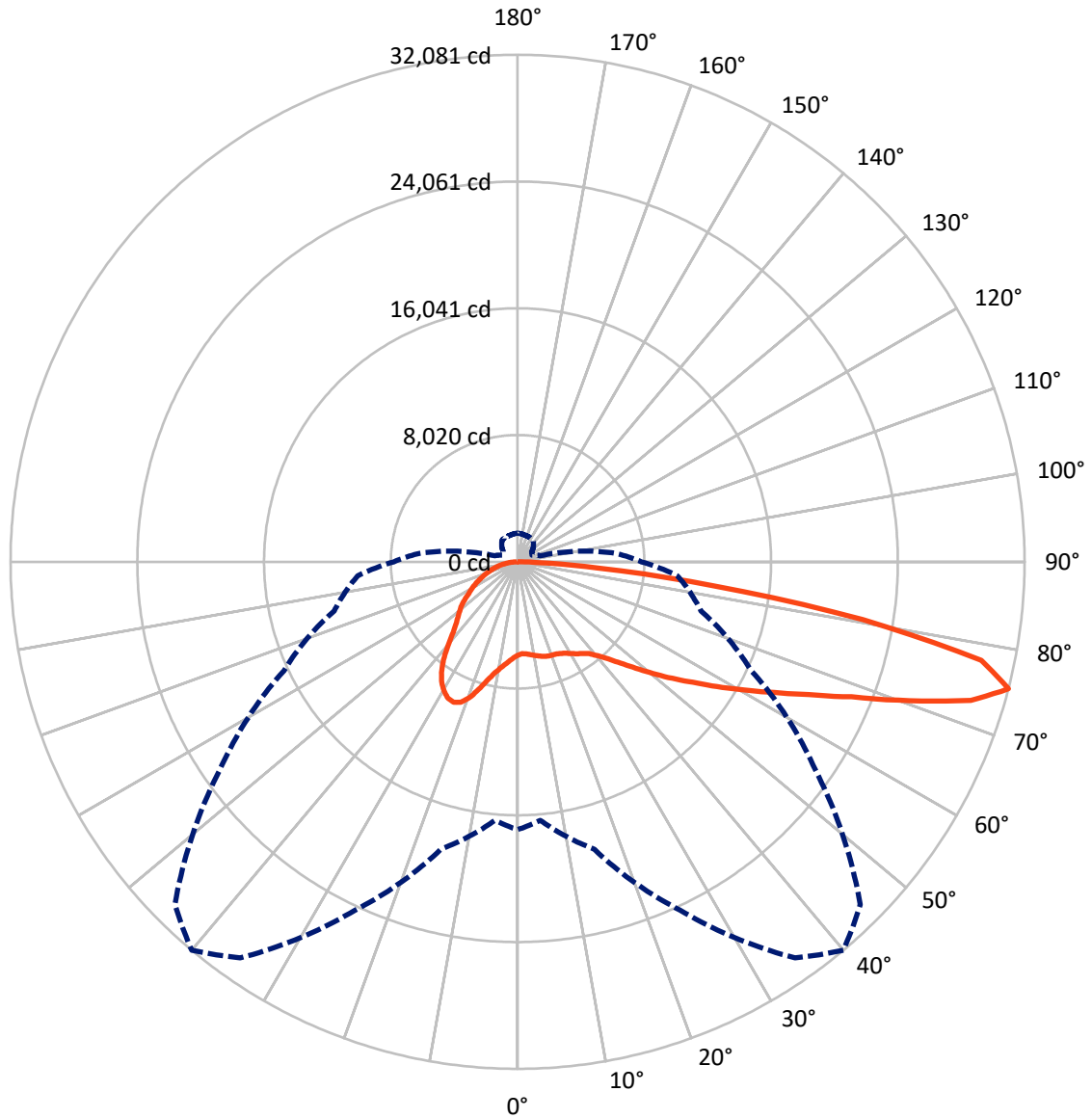
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.2 fc
 Type IV - Medium - N/A

REPORT NUMBER: P850873
CATALOG NUMBER: GLAN-SB8C-830-U-SL4

Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P850873
 CATALOG NUMBER: GLAN-SB8C-830-U-SL4

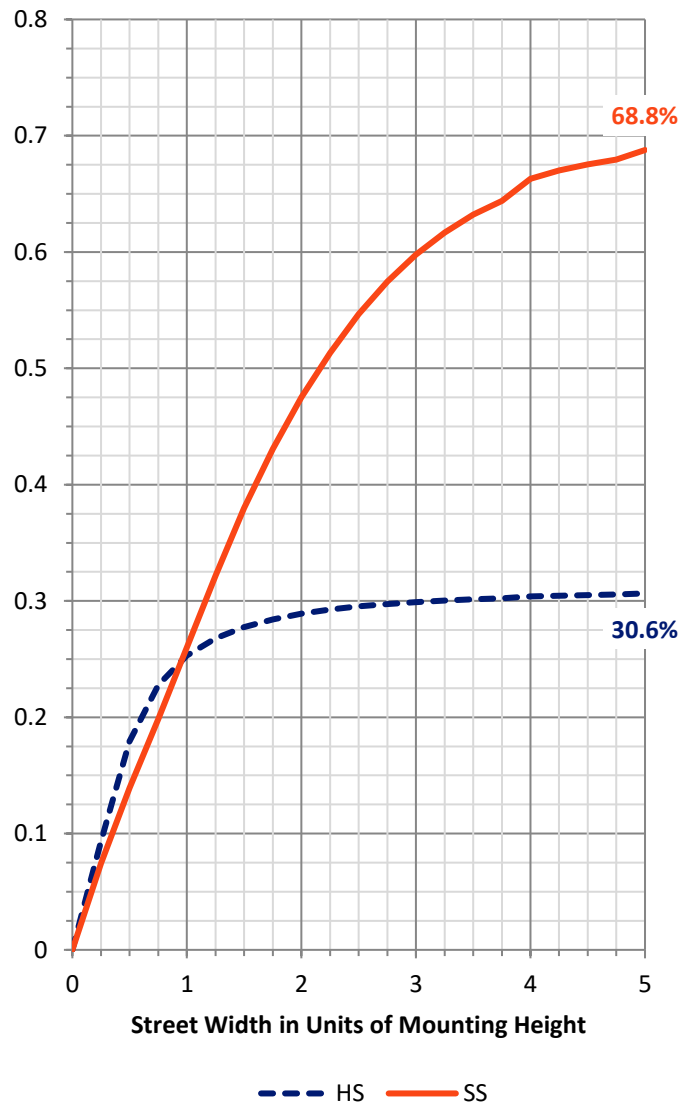
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15970.0	0.0	15970.0
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	35573.9	0.0	35573.9
	% Fixture	69.0	0.0	69.0
Total	Lumens	51544.0	0.0	51544.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	588.4	1.1
10°-20°	1975.3	3.8
20°-30°	3606.8	7.0
30°-40°	5115.5	9.9
40°-50°	6907.4	13.4
50°-60°	9292.3	18.0
60°-70°	11794.1	22.9
70°-80°	10703.9	20.8
80°-90°	1560.3	3.0
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°	51544.0	100.0
0°-180°	51544.0	100.0

Coefficient of Utilization

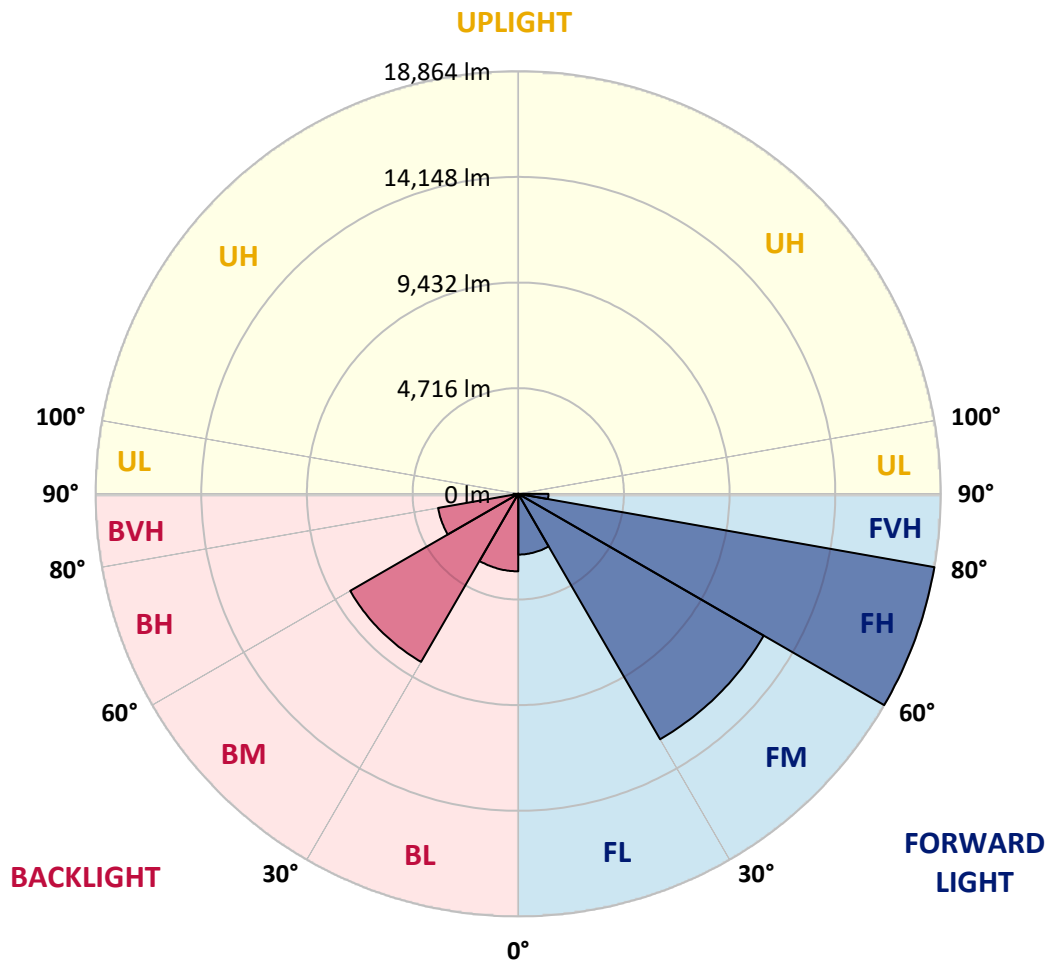


REPORT NUMBER: P850873
 CATALOG NUMBER: GLAN-SB8C-830-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2711.3	5.3			
FM (30°-60°)	12652.9	24.5			
FH (60°-80°)	18864.3	36.6			G5
FVH (80°-90°)	1345.5	2.6			G5
BL (0°-30°)	3459.3	6.7	B4/5000		
BM (30°-60°)	8662.3	16.8	B5		
BH (60°-80°)	3633.7	7.0	B4/5000		G4/5000
BVH (80°-90°)	214.8	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type IV Medium



REPORT NUMBER: P850873
 CATALOG NUMBER: GLAN-SB8C-830-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	5894.1	5894.1	5894.1	5894.1	5894.1	5894.1	5894.1	5894.1	5894.1	5894.1
2.5°	5803.9	5836.7	5828.5	5817.6	5817.6	5820.3	5817.6	5836.7	5855.9	5875.0
5°	5864.1	5896.9	5880.5	5866.8	5855.9	5853.1	5844.9	5842.2	5853.1	5877.7
7.5°	5981.6	6014.4	5989.8	5965.2	5943.3	5932.4	5921.5	5905.1	5896.9	5910.5
10°	6112.8	6145.6	6115.6	6071.8	6036.3	6022.6	6011.7	5995.3	5984.3	5992.5
12.5°	6244.1	6276.9	6235.9	6175.7	6129.2	6121.0	6107.4	6101.9	6099.2	6096.4
15°	6367.1	6394.4	6342.5	6271.4	6222.2	6208.5	6194.8	6203.0	6216.7	6233.1
17.5°	6462.8	6490.1	6413.6	6320.6	6274.1	6268.7	6260.5	6287.8	6326.1	6367.1
20°	6550.2	6577.6	6479.2	6353.4	6298.7	6298.7	6301.5	6358.9	6413.6	6473.7
22.5°	6673.3	6695.1	6574.8	6402.6	6323.3	6328.8	6350.7	6408.1	6476.4	6558.4
25°	6856.4	6872.8	6725.2	6495.6	6405.4	6421.8	6440.9	6468.2	6533.8	6629.5
27.5°	7151.7	7165.4	6971.3	6659.6	6522.9	6550.2	6577.6	6558.4	6588.5	6670.5
30°	7567.2	7575.4	7329.4	6916.6	6722.5	6736.1	6741.6	6662.3	6604.9	6670.5
32.5°	8059.3	8056.6	7764.1	7228.2	6949.4	6935.7	6889.2	6733.4	6599.5	6656.9
35°	8822.1	8792.0	8414.7	7665.6	7206.4	7121.6	7012.3	6812.7	6626.8	6643.2
37.5°	10085.1	9992.1	9470.0	8381.9	7589.1	7373.1	7211.8	6941.2	6686.9	6637.7
40°	11509.4	11391.8	10817.7	9363.3	8163.2	7816.0	7556.3	7124.3	6785.4	6662.3
42.5°	13198.9	13032.1	12414.3	10519.8	8890.4	8387.4	7996.4	7356.7	6930.2	6741.6
45°	15273.9	15052.4	14177.6	11823.8	9806.2	9136.4	8614.3	7709.4	7151.7	6894.7
47.5°	17370.7	17425.4	16181.5	13316.5	10905.2	10060.5	9388.0	8239.7	7474.3	7140.7
50°	19598.8	19637.1	18174.5	14970.4	12151.8	11104.8	10257.3	8833.0	7922.6	7490.7
52.5°	21337.5	21343.0	19984.3	16700.9	13450.4	12253.0	11195.0	9511.0	8442.0	7955.4
55°	22425.6	22411.9	21252.7	18338.5	14943.1	13458.6	12233.9	10281.9	9076.3	8502.2
57.5°	23215.6	23174.6	22127.6	19746.4	16534.2	14882.9	13409.4	11156.7	9825.4	9152.8
60°	23516.4	23491.8	22720.8	20963.0	18207.3	16457.6	14765.4	12135.4	10675.6	9921.0
62.5°	23631.2	23677.7	23303.1	22141.2	19997.9	18201.8	16255.3	13305.5	11632.4	10790.4
65°	24035.8	24120.5	24044.0	23683.1	22021.0	20244.0	18231.9	14697.0	12676.7	11722.6
67.5°	24836.8	24921.5	24954.3	25528.5	24492.3	22789.2	20697.8	16430.3	13898.8	12690.4
70°	24817.7	24793.1	25372.6	26996.5	27587.0	26313.1	24022.1	18562.7	15355.9	13494.2
72.5°	22589.6	22392.8	23762.4	26980.1	30162.3	29992.8	28081.8	21312.9	16613.4	13592.6
75°	16947.0	16422.1	18841.5	24314.6	30591.5	32081.4	30662.6	23018.8	16315.5	12009.7
77.5°	7247.4	6719.7	9571.1	17999.5	27379.2	29990.1	28295.1	20082.7	13023.9	7941.8
80°	1897.3	1894.5	2892.4	8160.5	18620.1	22146.7	19429.3	12969.3	7441.5	2837.7
82.5°	784.6	765.5	1063.5	3174.0	9098.2	12428.0	10142.5	5784.8	2687.3	768.2
85°	292.5	289.8	516.7	1096.3	3209.5	5125.9	3709.8	1479.0	669.8	374.5
87.5°	82.0	79.3	112.1	380.0	781.9	1186.5	634.2	243.3	188.6	147.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P850873
 CATALOG NUMBER: GLAN-SB8C-830-U-SL4

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
5894.1	0°	5894.1	5894.1	5894.1	5894.1	5894.1	5894.1	5894.1	5894.1	5894.1	5894.1
5905.1	2.5°	5913.3	5926.9	5951.5	5970.7	5995.3	6022.6	6060.9	6085.5	6110.1	6126.5
5918.7	5°	5937.9	5967.9	6030.8	6093.7	6167.5	6235.9	6315.1	6372.5	6419.0	6432.7
5967.9	7.5°	5992.5	6041.8	6148.4	6255.0	6372.5	6484.6	6599.5	6697.9	6777.2	6807.2
6055.4	10°	6088.2	6153.8	6304.2	6454.6	6610.4	6782.6	6930.2	7072.4	7184.5	7231.0
6159.3	12.5°	6208.5	6290.5	6487.4	6695.1	6911.1	7149.0	7340.3	7515.3	7654.7	7717.6
6304.2	15°	6364.3	6471.0	6722.5	7001.3	7318.4	7649.2	7892.6	8086.7	8242.5	8319.0
6454.6	17.5°	6533.8	6676.0	6993.1	7414.1	7867.9	8302.6	8586.9	8729.1	8890.4	8964.2
6594.0	20°	6697.9	6872.8	7326.6	7939.0	8543.2	9005.2	9234.9	9273.1	9284.1	9292.3
6725.2	22.5°	6867.4	7102.5	7744.9	8600.6	9248.5	9568.4	9601.2	9437.2	9207.5	9100.9
6853.7	25°	7053.3	7364.9	8291.7	9330.5	9855.4	9893.7	9642.2	9243.1	8808.4	8608.8
6957.6	27.5°	7233.7	7668.4	8947.8	10027.7	10292.8	9956.6	9415.3	8849.4	8324.5	8114.0
7031.4	30°	7414.1	8015.6	9672.3	10637.3	10492.4	9800.8	9057.2	8425.6	7898.0	7676.6
7097.0	32.5°	7597.3	8420.2	10506.1	11077.5	10456.9	9470.0	8611.5	7950.0	7485.2	7252.8
7154.4	35°	7805.1	8917.7	11296.2	11318.0	10219.0	8983.3	8023.8	7381.3	6976.7	6790.8
7222.8	37.5°	8075.7	9549.2	11993.3	11378.2	9803.5	8269.8	7293.8	6708.8	6375.3	6290.5
7323.9	40°	8412.0	10309.3	12526.4	11282.5	9188.4	7403.2	6495.6	6028.1	5839.4	5858.6
7460.6	42.5°	8849.4	11159.5	12900.9	11036.4	8332.7	6509.2	5795.7	5587.9	5678.2	5754.7
7665.6	45°	9418.0	12042.5	13133.3	10618.2	7364.9	5752.0	5382.9	5432.1	5500.5	5508.7
7996.4	47.5°	10145.2	12936.5	13286.4	9986.7	6378.0	5218.9	5120.5	5131.4	5117.7	5060.3
8491.3	50°	11052.9	13805.8	13423.1	9150.1	5538.7	4885.3	4754.1	4715.8	4527.2	4341.3
9150.1	52.5°	12086.2	14604.1	13480.5	8111.3	4885.3	4606.5	4393.3	4152.7	3800.0	3742.6
9978.5	55°	13234.4	15342.2	13332.9	6834.6	4335.8	4248.4	3925.8	3636.0	3597.7	3548.5
11069.3	57.5°	14606.8	16137.8	13032.1	5410.2	3772.7	3830.1	3515.7	3548.5	3480.2	3403.6
12471.7	60°	16107.7	16960.6	12504.5	4111.7	3190.4	3307.9	3409.1	3406.3	3387.2	3324.3
13950.7	62.5°	17458.2	17501.9	11465.7	3149.4	2679.1	2903.3	3179.4	3176.7	3160.3	3124.8
15495.3	65°	18261.9	17419.9	9732.4	2479.6	2258.1	2569.8	2867.8	2889.7	2892.4	2889.7
16657.2	67.5°	18119.8	16460.4	7354.0	1973.8	1910.9	2230.8	2558.9	2588.9	2610.8	2616.3
16804.8	70°	16512.3	14352.6	4795.1	1574.7	1602.0	1932.8	2266.3	2296.4	2315.5	2337.4
14582.2	72.5°	12870.8	10552.6	2744.8	1274.0	1331.4	1675.8	1976.6	2012.1	2023.0	2064.0
10148.0	75°	7843.3	6205.8	1481.7	1003.3	1093.5	1432.5	1689.5	1730.5	1749.6	1798.9
4983.8	77.5°	3728.9	2687.3	844.8	781.9	880.3	1170.1	1427.1	1473.5	1421.6	1448.9
1375.1	80°	1260.3	997.8	533.1	596.0	672.5	913.1	1142.7	1189.2	1079.9	1074.4
456.5	82.5°	440.1	404.6	339.0	396.4	434.7	653.4	863.9	924.0	803.7	801.0
205.0	85°	172.2	164.0	188.6	216.0	259.7	401.9	568.6	598.7	494.8	399.1
60.1	87.5°	35.5	38.3	46.5	49.2	79.3	139.4	205.0	251.5	199.6	169.5
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

<u>180°</u>
5894.1
6115.6
6438.2
6810.0
7233.7
7717.6
8313.6
8961.5
9314.1
9131.0
8638.9
8138.6
7701.2
7282.9
6831.8
6350.7
5924.2
5825.8
5563.3
5104.0
4365.9
3761.7
3556.7
3389.9
3302.5
3111.1
2889.7
2621.7
2348.4
2080.4
1804.3
1427.1
1063.5
762.7
393.7
155.8
0.0

F REPORT)