

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: P849556

Luminaire Tested: **GLAN-SB6C-927-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849556
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-SB6C-927-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28978 lumens
Efficiency: N/A
Efficacy: 96.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

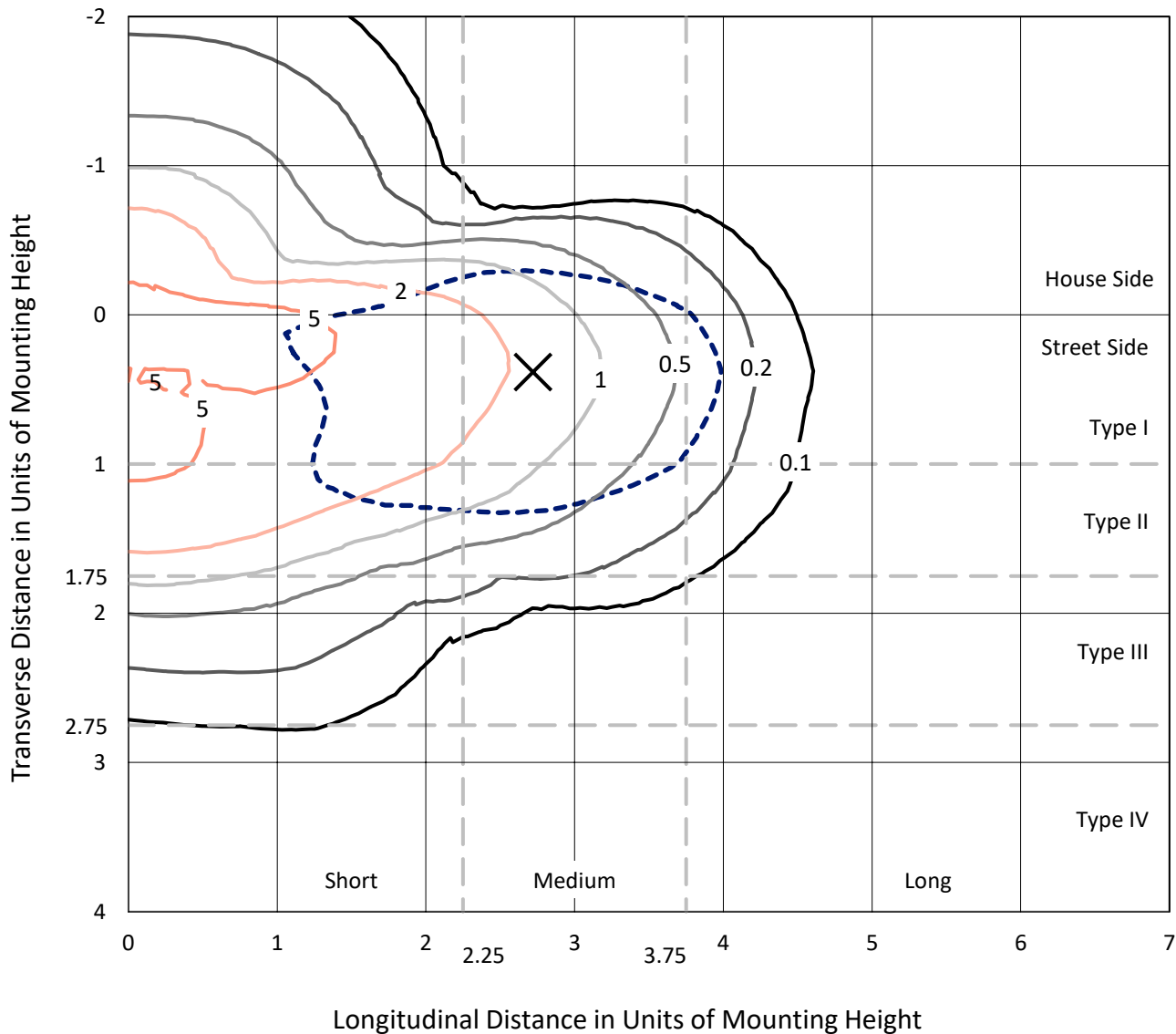
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P849556
 CATALOG NUMBER: GLAN-SB6C-927-U-T2

Iso-Footcandle Lines of Horizontal Illumination

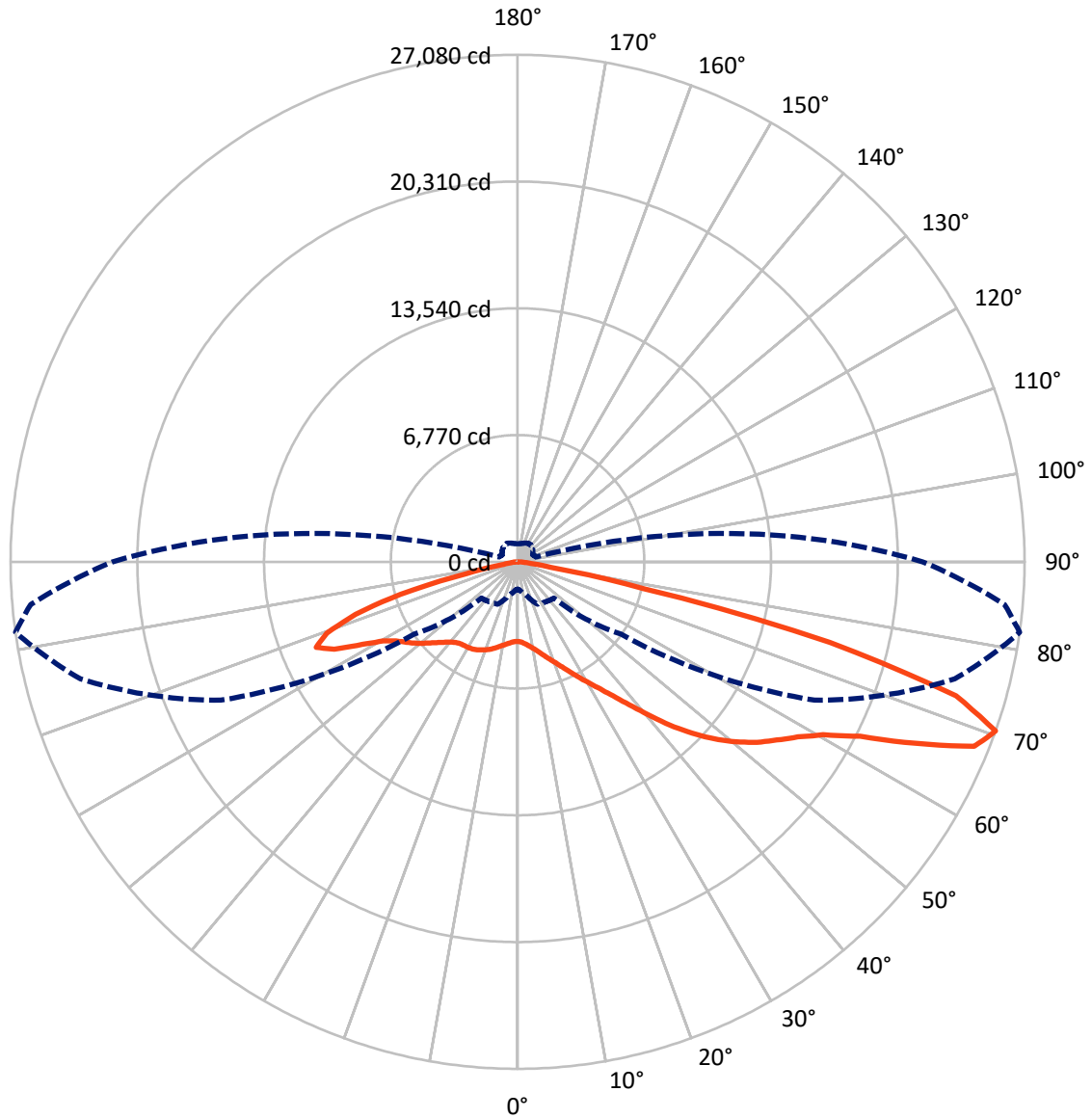
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc
 Type II - Medium - N/A

REPORT NUMBER: P849556
CATALOG NUMBER: GLAN-SB6C-927-U-T2

Luminous Intensity Polar Plot



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

REPORT NUMBER: P849556
 CATALOG NUMBER: GLAN-SB6C-927-U-T2

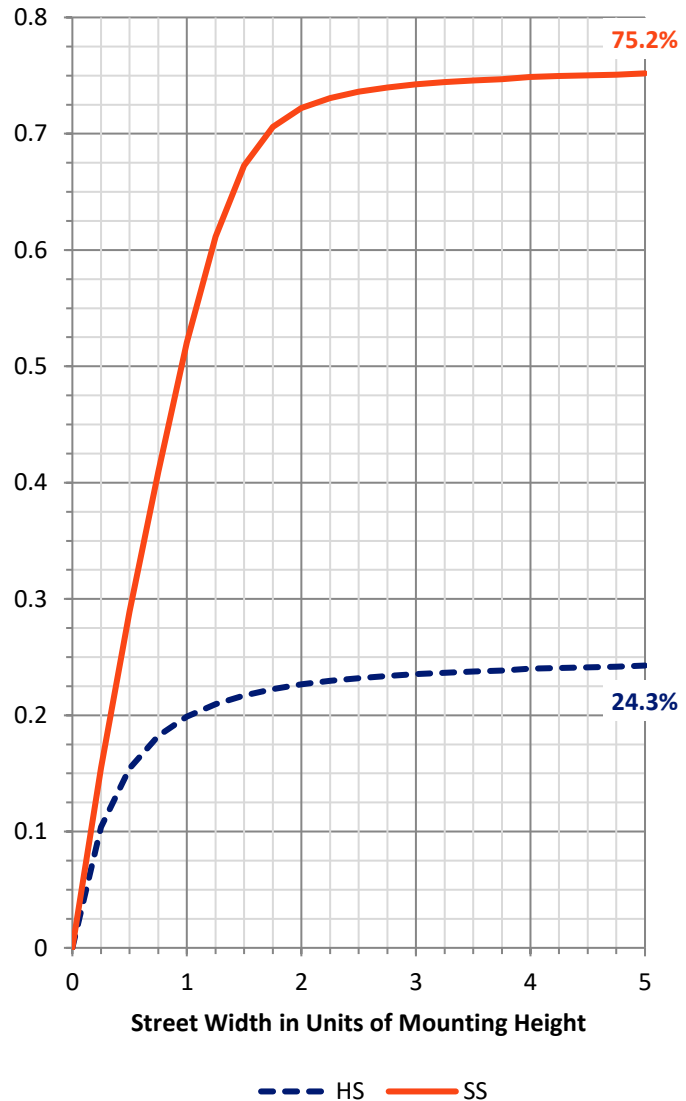
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7143.8	0.0	7143.8
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	21834.2	0.0	21834.2
	% Fixture	75.3	0.0	75.3
Total	Lumens	28978.0	0.0	28978.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	401.1	1.4
10°-20°	1152.5	4.0
20°-30°	1928.0	6.7
30°-40°	3012.0	10.4
40°-50°	4797.0	16.6
50°-60°	6675.6	23.0
60°-70°	6983.0	24.1
70°-80°	3649.7	12.6
80°-90°	379.0	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°	28978.0	100.0
0°-180°	28978.0	100.0

Coefficient of Utilization

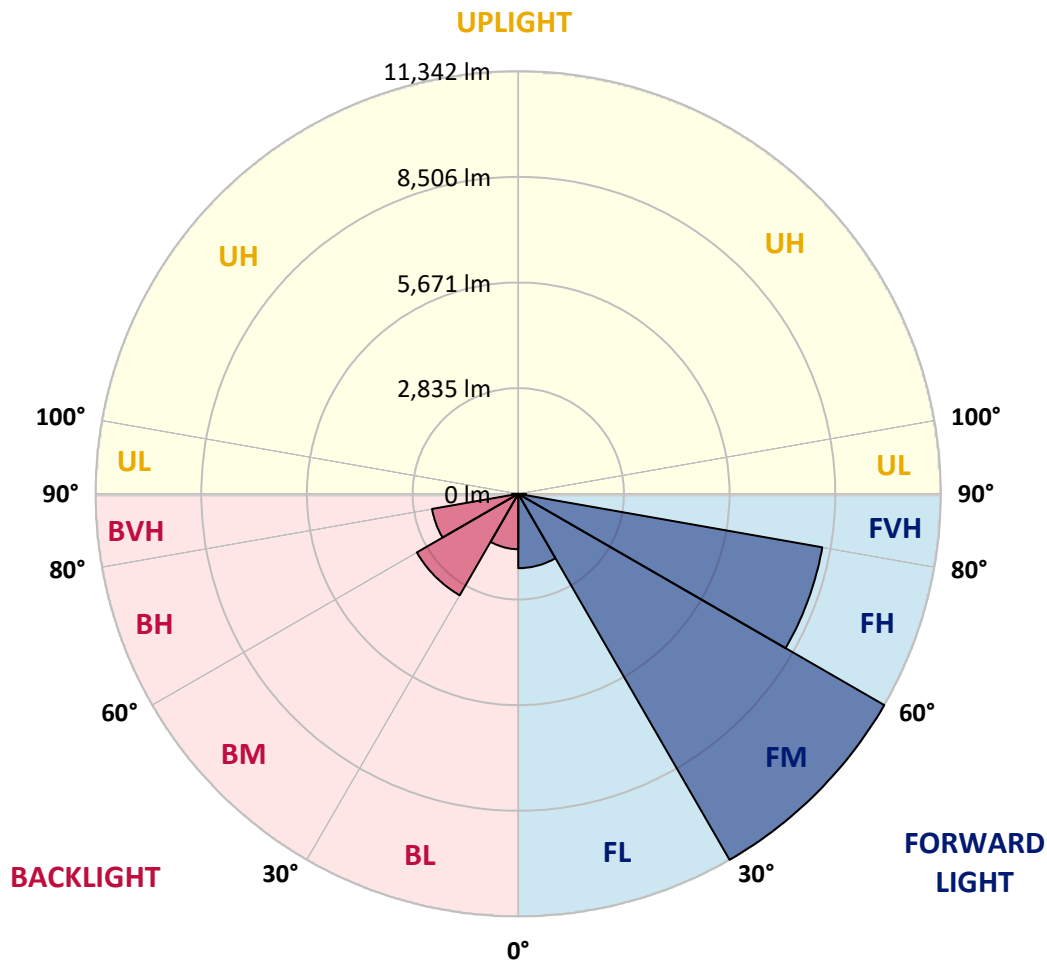


REPORT NUMBER: P849556
 CATALOG NUMBER: GLAN-SB6C-927-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1995.5	6.9			
FM (30°-60°)	11341.7	39.1			
FH (60°-80°)	8284.9	28.6			G4/12000
FVH (80°-90°)	212.2	0.7			G2/225
BL (0°-30°)	1486.2	5.1	B3/2500		
BM (30°-60°)	3143.0	10.8	B3/5000		
BH (60°-80°)	2347.8	8.1	B3/2500		G3/2500
BVH (80°-90°)	166.8	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 II Medium



REPORT NUMBER: P849556
 CATALOG NUMBER: GLAN-SB6C-927-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	4248.5	4248.5	4248.5	4248.5	4248.5	4248.5	4248.5	4248.5	4248.5	4248.5
2.5°	4350.0	4374.6	4366.9	4359.2	4359.2	4348.5	4346.9	4331.6	4319.3	4299.3
5°	4405.4	4431.5	4428.4	4434.6	4454.6	4459.2	4463.8	4454.6	4430.0	4405.4
7.5°	4356.2	4385.4	4394.6	4431.5	4493.0	4548.4	4589.9	4606.8	4583.7	4548.4
10°	4190.1	4222.4	4254.7	4342.3	4451.5	4582.2	4692.9	4759.0	4754.4	4720.6
12.5°	3853.4	3887.2	3956.4	4127.1	4327.0	4557.6	4763.7	4902.0	4949.7	4925.1
15°	3584.3	3613.5	3665.8	3841.1	4100.9	4451.5	4789.8	5058.9	5180.4	5166.5
17.5°	3576.6	3588.9	3621.2	3704.2	3904.1	4285.4	4762.1	5212.6	5444.8	5443.3
20°	3711.9	3716.5	3735.0	3751.9	3865.7	4159.4	4691.4	5340.3	5741.6	5741.6
22.5°	3899.5	3896.4	3914.9	3899.5	3954.8	4148.6	4646.8	5452.5	6072.2	6096.8
25°	4180.9	4165.5	4160.9	4125.5	4136.3	4248.5	4696.0	5580.1	6464.3	6515.0
27.5°	4556.1	4531.5	4514.6	4433.1	4405.4	4454.6	4846.7	5733.9	6901.0	6988.6
30°	5045.0	5000.4	4975.8	4834.4	4734.4	4742.1	5074.3	5938.4	7357.7	7499.1
32.5°	5712.4	5643.2	5577.1	5344.9	5161.9	5101.9	5367.9	6221.3	7852.8	8078.8
35°	6459.7	6404.3	6333.6	5975.3	5693.9	5555.5	5764.7	6616.5	8432.5	8790.8
37.5°	7179.3	7131.6	7165.5	6682.6	6319.8	6118.3	6284.4	7147.0	9147.5	9676.5
40°	7923.5	7886.6	7891.2	7429.9	7007.1	6781.1	6914.8	7812.8	9967.1	10729.7
42.5°	8732.3	8704.7	8612.4	8203.4	7728.2	7517.6	7640.6	8581.6	10846.6	11929.1
45°	9638.0	9621.1	9535.0	9066.0	8521.7	8284.9	8450.9	9430.4	11730.8	13057.8
47.5°	10420.7	10434.5	10423.8	10028.6	9464.3	9116.7	9315.1	10316.1	12553.4	14118.7
50°	10797.4	10869.7	10975.8	10852.8	10502.2	10148.5	10187.0	11171.1	13337.6	15113.6
52.5°	10600.6	10737.4	11026.5	11223.3	11358.6	11284.8	11181.8	12019.8	14075.7	16011.6
55°	9867.1	10059.3	10539.1	11014.2	11704.6	12241.3	12376.6	12960.9	14795.3	16801.9
57.5°	8530.9	8843.0	9273.6	10234.6	11397.1	12704.1	13769.7	14266.4	15558.0	17646.1
60°	6239.8	6658.0	7193.1	8623.2	10320.7	12456.5	14955.2	16271.5	16642.0	18739.4
62.5°	3993.3	4251.6	4743.7	6090.6	8041.9	11188.0	15318.1	18777.8	18479.5	20532.3
65°	2733.9	2900.0	3350.5	4107.1	5198.8	8327.9	14346.3	20656.8	21398.0	23373.9
67.5°	1986.6	2112.7	2497.1	3159.9	3387.5	4928.2	11132.6	20570.7	24235.0	26301.6
70°	1448.5	1537.7	1860.6	2497.1	2606.3	2741.6	6744.1	17486.2	24173.5	27079.6
72.5°	1073.3	1134.8	1351.6	1937.4	2109.7	1851.3	3338.2	12708.7	20772.2	24493.3
75°	776.5	822.6	982.6	1482.3	1688.3	1410.0	1665.3	7426.9	14489.3	17229.4
77.5°	593.5	628.9	733.5	1085.6	1351.6	1057.9	1033.3	3416.7	6870.2	6904.1
80°	476.7	499.7	556.6	764.2	1036.4	791.9	673.5	1379.3	2171.2	1837.5
82.5°	350.6	389.0	470.5	536.6	741.1	545.9	410.6	696.6	825.7	710.4
85°	199.9	226.0	284.5	384.4	473.6	333.7	235.3	309.1	384.4	315.2
87.5°	70.7	92.3	99.9	150.7	206.0	138.4	90.7	89.2	126.1	93.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P849556
 CATALOG NUMBER: GLAN-SB6C-927-U-T2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4248.5	0°	4248.5	4248.5	4248.5	4248.5	4248.5	4248.5	4248.5	4248.5	4248.5	4248.5
4294.7	2.5°	4279.3	4271.6	4240.8	4199.3	4156.3	4114.8	4100.9	4071.7	4051.7	4041.0
4394.6	5°	4365.4	4340.8	4268.5	4176.3	4079.4	3974.8	3901.0	3833.4	3784.2	3738.0
4531.5	7.5°	4488.4	4445.4	4320.8	4159.4	3987.1	3813.4	3684.2	3585.8	3519.7	3476.6
4691.4	10°	4631.4	4565.3	4374.6	4133.2	3867.2	3618.1	3465.9	3381.3	3339.8	3316.7
4874.4	12.5°	4795.9	4702.1	4430.0	4073.2	3684.2	3399.8	3295.2	3270.6	3272.1	3273.7
5105.0	15°	4998.9	4868.2	4474.6	3942.5	3445.9	3232.1	3213.7	3253.7	3295.2	3315.2
5366.4	17.5°	5228.0	5043.5	4482.3	3727.3	3212.2	3124.5	3182.9	3269.1	3332.1	3359.8
5658.6	20°	5474.0	5221.9	4426.9	3422.8	3020.0	3036.9	3141.4	3252.1	3321.3	3356.7
5992.2	22.5°	5755.4	5412.5	4294.7	3103.0	2863.1	2941.5	3064.5	3172.2	3244.4	3279.8
6384.3	25°	6076.8	5626.3	4087.1	2833.9	2727.8	2833.9	2956.9	3046.1	3104.5	3136.8
6822.6	27.5°	6433.5	5849.2	3810.3	2620.2	2609.4	2723.2	2824.7	2893.9	2924.6	2949.2
7288.5	30°	6791.8	6052.2	3475.1	2458.7	2506.4	2614.0	2686.3	2717.0	2726.3	2730.9
7808.2	32.5°	7179.3	6227.5	3123.0	2324.9	2408.0	2507.9	2551.0	2564.8	2521.8	2492.5
8438.6	35°	7648.3	6415.1	2778.5	2218.8	2311.1	2397.2	2411.0	2398.7	2348.0	2288.0
9229.0	37.5°	8228.0	6648.8	2503.3	2143.5	2220.4	2277.3	2260.4	2257.3	2261.9	2191.2
10179.3	40°	8938.4	6953.3	2301.9	2085.1	2146.6	2158.9	2111.2	2137.3	2160.4	2052.8
11221.8	42.5°	9727.2	7320.8	2174.2	2045.1	2085.1	2055.8	1982.0	2011.3	2008.2	1866.7
12268.9	45°	10531.4	7720.6	2129.7	2015.9	2028.2	1969.7	1888.2	1895.9	1831.3	1703.7
13273.0	47.5°	11331.0	8149.6	2157.3	1991.3	1957.4	1891.3	1828.3	1794.4	1699.1	1603.8
14235.6	50°	12115.2	8600.1	2258.8	1942.1	1860.6	1822.1	1776.0	1716.0	1614.5	1533.0
15145.9	52.5°	12842.5	9053.7	2372.6	1860.6	1739.1	1762.2	1732.9	1663.7	1563.8	1480.8
16007.0	55°	13531.4	9507.3	2417.2	1748.3	1625.3	1709.9	1693.0	1565.3	1445.4	1377.7
16908.0	57.5°	14281.7	10053.2	2368.0	1605.3	1533.0	1649.9	1585.3	1443.9	1374.7	1323.9
18081.3	60°	15321.2	10909.7	2261.9	1428.5	1445.4	1560.7	1450.0	1391.6	1316.2	1259.3
19840.3	62.5°	17048.0	12507.3	2091.2	1253.2	1342.4	1428.5	1385.4	1327.0	1250.1	1194.8
22848.0	65°	19600.5	14727.6	1769.8	1116.3	1227.0	1299.3	1316.2	1257.8	1177.8	1119.4
25483.5	67.5°	21753.2	16120.8	1339.3	1002.6	1108.6	1194.8	1242.4	1185.5	1101.0	1044.1
26100.1	70°	21634.8	15109.0	1022.5	890.3	1004.1	1091.7	1153.2	1108.6	1017.9	964.1
23707.5	72.5°	19216.1	12639.5	827.3	776.5	898.0	984.1	1057.9	1024.1	931.8	879.5
17367.8	75°	14117.2	8972.2	661.2	661.2	765.8	871.8	953.3	931.8	847.2	810.3
7291.6	77.5°	5950.7	3764.2	518.2	548.9	636.6	748.8	850.3	858.0	784.2	830.3
1928.2	80°	1582.2	1037.9	395.2	432.1	499.7	618.1	739.6	736.5	656.6	613.5
716.5	82.5°	602.8	409.0	281.4	304.5	361.3	473.6	585.8	604.3	524.3	453.6
281.4	85°	232.2	175.3	173.8	183.0	210.7	313.7	442.8	458.2	395.2	335.2
78.4	87.5°	60.0	52.3	64.6	61.5	96.9	167.6	253.7	262.9	241.4	139.9
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

<u>180°</u>
4248.5
4053.3
3756.5
3485.9
3322.9
3276.7
3313.6
3365.9
3365.9
3289.0
3146.0
2958.4
2741.6
2501.8
2291.1
2195.8
2055.8
1865.2
1708.3
1603.8
1526.9
1482.3
1371.6
1319.3
1256.3
1194.8
1122.5
1045.6
968.7
879.5
799.6
753.5
570.5
453.6
346.0
199.9
0.0

F REPORT)