

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: P850993

Luminaire Tested: **GLAN-SB8D-735-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850993
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-SB8D-735-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 80042 lumens
Efficiency: N/A
Efficacy: 136.8 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

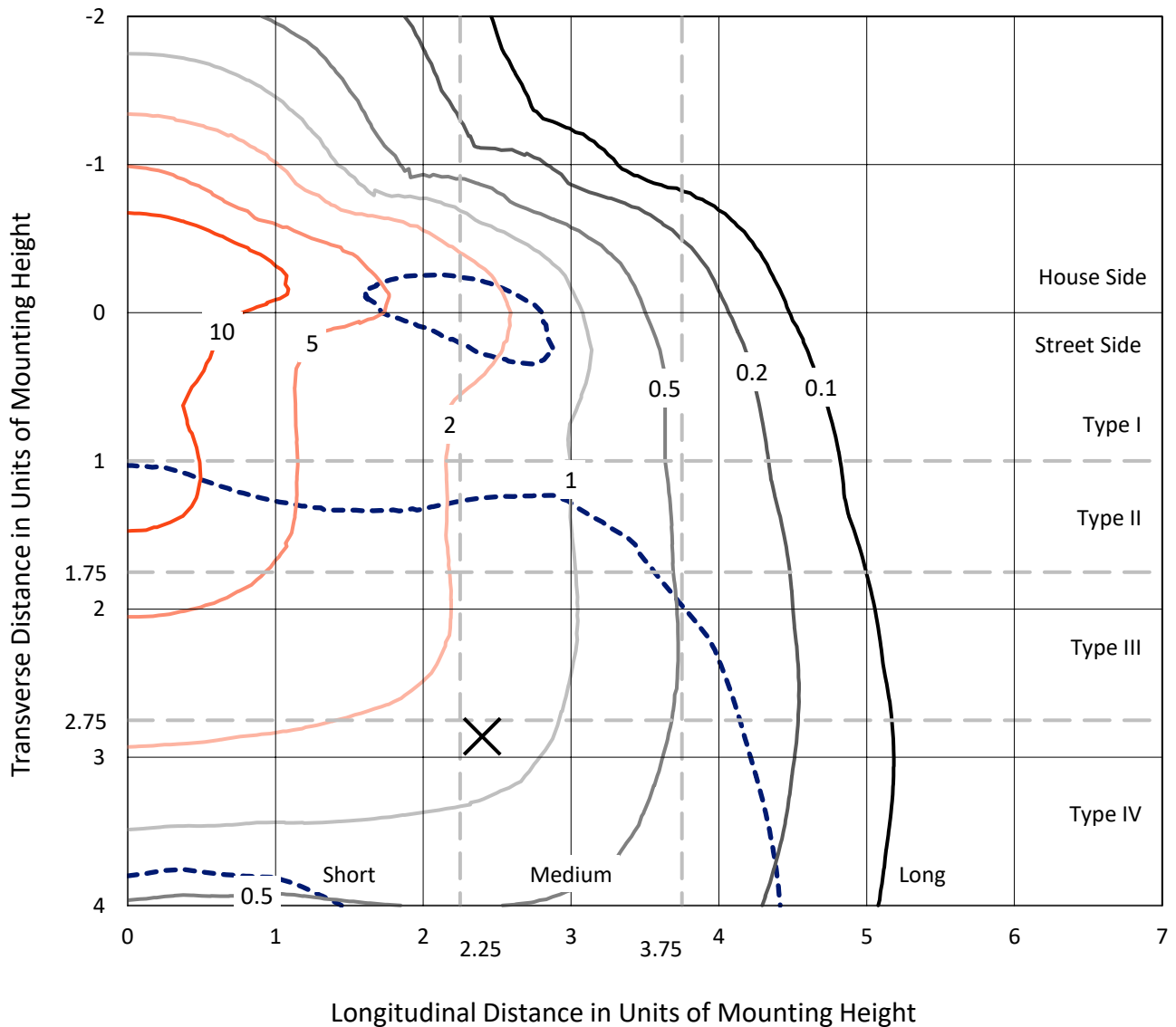
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P850993
 CATALOG NUMBER: GLAN-SB8D-735-U-SL4

Iso-Footcandle Lines of Horizontal Illumination

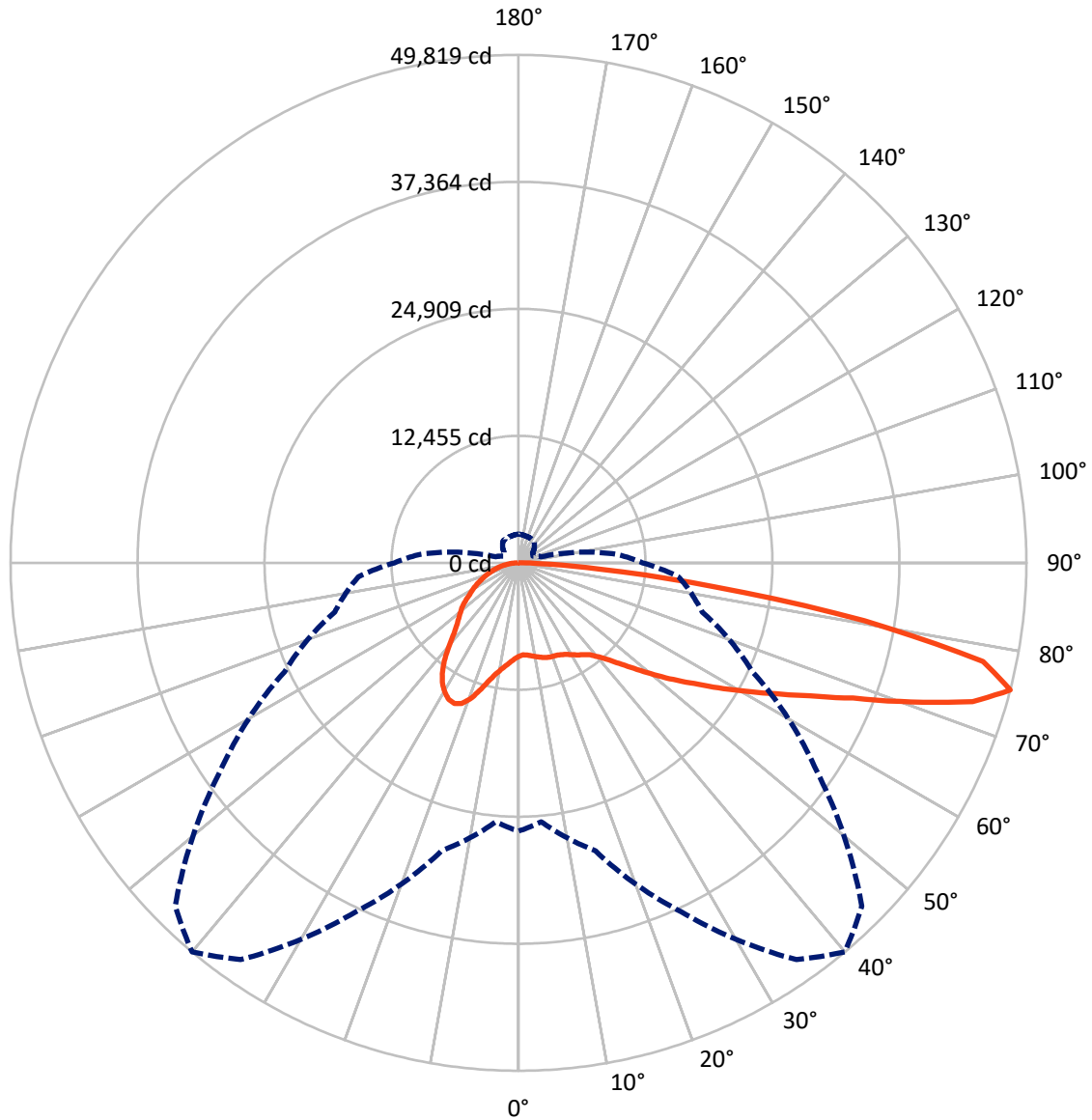
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.9 fc
 Type IV - Medium - N/A

REPORT NUMBER: P850993
CATALOG NUMBER: GLAN-SB8D-735-U-SL4

Luminous Intensity Polar Plot



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

REPORT NUMBER: P850993
 CATALOG NUMBER: GLAN-SB8D-735-U-SL4

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	24799.7	0.0	24799.7
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	55242.3	0.0	55242.3
	% Fixture	69.0	0.0	69.0
Total	Lumens	80042.0	0.0	80042.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	913.6	1.1
10°-20°	3067.5	3.8
20°-30°	5601.0	7.0
30°-40°	7943.7	9.9
40°-50°	10726.4	13.4
50°-60°	14429.9	18.0
60°-70°	18314.9	22.9
70°-80°	16621.9	20.8
80°-90°	2422.9	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°	80042.0	100.0
0°-180°	80042.0	100.0

Coefficient of Utilization

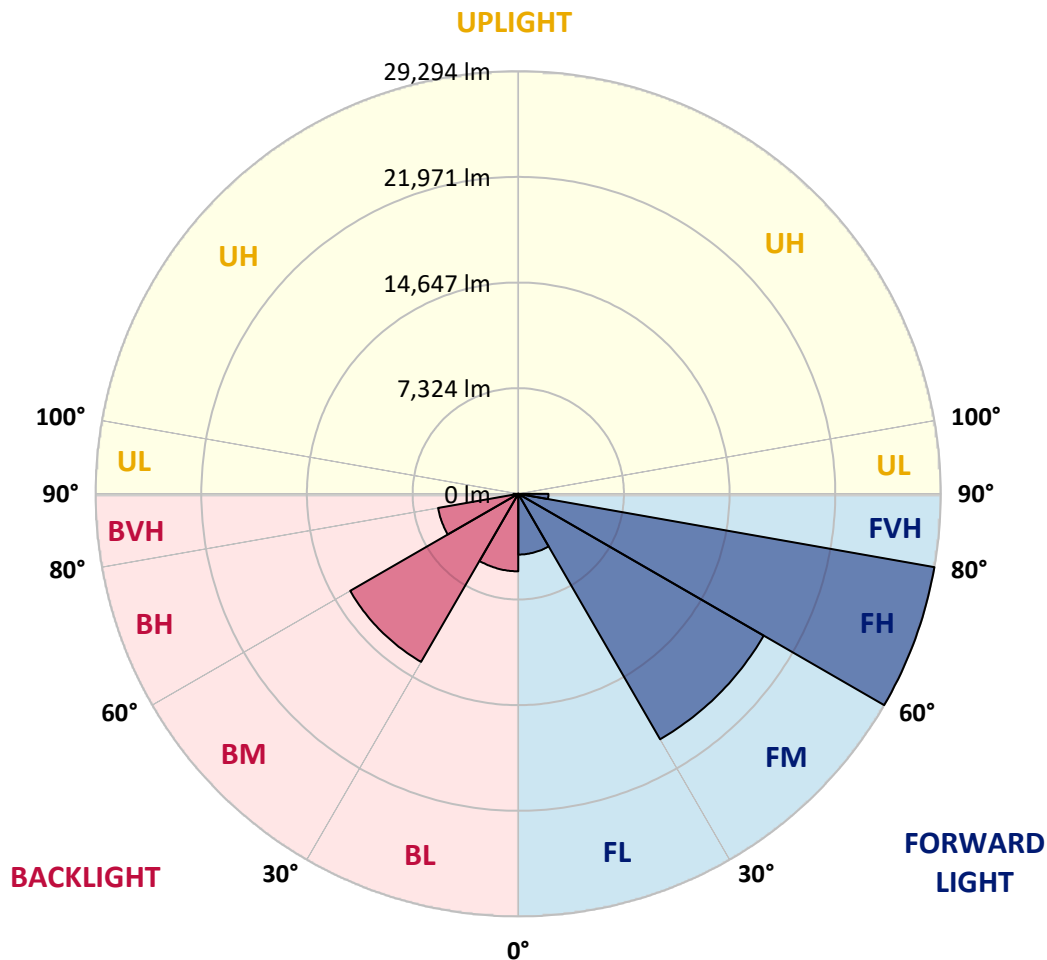


REPORT NUMBER: P850993
 CATALOG NUMBER: GLAN-SB8D-735-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4210.3	5.3			
FM (30°-60°)	19648.5	24.5			
FH (60°-80°)	29294.1	36.6			G5
FVH (80°-90°)	2089.4	2.6			G5
BL (0°-30°)	5371.8	6.7	B5		
BM (30°-60°)	13451.6	16.8	B5		
BH (60°-80°)	5642.7	7.0	B5		G5
BVH (80°-90°)	333.6	0.4			G3/500
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: P850993
 CATALOG NUMBER: GLAN-SB8D-735-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	9152.9	9152.9	9152.9	9152.9	9152.9	9152.9	9152.9	9152.9	9152.9	9152.9
2.5°	9012.8	9063.8	9051.0	9034.0	9034.0	9038.3	9034.0	9063.8	9093.5	9123.2
5°	9106.2	9157.2	9131.7	9110.5	9093.5	9089.2	9076.5	9072.2	9089.2	9127.4
7.5°	9288.8	9339.7	9301.5	9263.3	9229.3	9212.3	9195.4	9169.9	9157.2	9178.4
10°	9492.5	9543.5	9496.8	9428.9	9373.7	9352.4	9335.5	9310.0	9293.0	9305.7
12.5°	9696.3	9747.3	9683.6	9590.2	9518.0	9505.3	9484.0	9475.6	9471.3	9467.1
15°	9887.3	9929.8	9849.1	9738.8	9662.3	9641.1	9619.9	9632.6	9653.9	9679.3
17.5°	10035.9	10078.4	9959.5	9815.2	9743.0	9734.5	9721.8	9764.2	9823.7	9887.3
20°	10171.8	10214.2	10061.4	9866.1	9781.2	9781.2	9785.5	9874.6	9959.5	10052.9
22.5°	10362.8	10396.8	10210.0	9942.5	9819.4	9827.9	9861.9	9951.0	10057.2	10184.5
25°	10647.3	10672.7	10443.5	10086.9	9946.8	9972.3	10002.0	10044.4	10146.3	10294.9
27.5°	11105.8	11127.0	10825.6	10341.6	10129.3	10171.8	10214.2	10184.5	10231.2	10358.6
30°	11751.0	11763.8	11381.7	10740.7	10439.2	10460.5	10469.0	10345.8	10256.7	10358.6
32.5°	12515.2	12511.0	12056.7	11224.6	10791.6	10770.4	10698.2	10456.2	10248.2	10337.4
35°	13699.6	13652.9	13067.1	11903.9	11190.7	11059.1	10889.2	10579.3	10290.7	10316.1
37.5°	15661.0	15516.6	14705.8	13016.2	11785.0	11449.6	11199.2	10778.9	10384.1	10307.6
40°	17872.8	17690.2	16798.7	14540.2	12676.5	12137.4	11734.1	11063.3	10536.9	10345.8
42.5°	20496.4	20237.4	19278.0	16336.0	13805.8	13024.6	12417.6	11424.2	10761.9	10469.0
45°	23718.6	23374.7	22016.2	18361.0	15228.0	14187.9	13377.0	11971.8	11105.8	10706.7
47.5°	26974.8	27059.7	25128.0	20679.0	16934.6	15622.8	14578.4	12795.4	11606.7	11088.8
50°	30434.7	30494.1	28222.9	23247.4	18870.4	17244.5	15928.4	13716.6	12302.9	11632.2
52.5°	33134.7	33143.2	31033.3	25934.7	20887.0	19027.5	17384.6	14769.5	13109.5	12353.9
55°	34824.4	34803.1	33003.1	28477.6	23204.9	20899.7	18997.8	15966.6	14094.5	13202.9
57.5°	36051.3	35987.6	34361.6	30663.9	25675.7	23111.5	20823.3	17325.1	15257.7	14213.3
60°	36518.2	36480.0	35282.9	32553.1	28273.8	25556.8	22929.0	18845.0	16578.0	15406.3
62.5°	36696.5	36768.7	36187.1	34382.8	31054.5	28265.3	25242.7	20662.0	18063.8	16756.3
65°	37324.9	37456.5	37337.6	36777.2	34196.1	31436.6	28312.0	22822.8	19685.5	18203.9
67.5°	38568.7	38700.3	38751.3	39642.8	38033.8	35389.0	32141.3	25514.4	21583.2	19706.8
70°	38539.0	38500.8	39400.8	41922.5	42839.5	40861.2	37303.6	28825.7	23846.0	20954.9
72.5°	35079.1	34773.4	36900.3	41897.1	46838.6	46575.4	43607.9	33096.5	25798.8	21107.7
75°	26316.7	25501.6	29258.7	37757.9	47505.1	49818.8	47615.5	35745.6	25336.1	18649.7
77.5°	11254.3	10435.0	14862.9	27951.2	42516.9	46571.2	43939.1	31186.1	20224.7	12332.7
80°	2946.3	2942.0	4491.5	12672.3	28914.9	34391.3	30171.5	20139.8	11555.8	4406.6
82.5°	1218.4	1188.7	1651.4	4928.8	14128.4	19299.2	15750.1	8983.1	4173.1	1192.9
85°	454.2	450.0	802.4	1702.4	4984.0	7960.0	5760.9	2296.7	1040.1	581.6
87.5°	127.4	123.1	174.1	590.1	1214.2	1842.5	984.9	377.8	292.9	229.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P850993
 CATALOG NUMBER: GLAN-SB8D-735-U-SL4

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
9152.9	0°	9152.9	9152.9	9152.9	9152.9	9152.9	9152.9	9152.9	9152.9	9152.9	9152.9
9169.9	2.5°	9182.6	9203.9	9242.1	9271.8	9310.0	9352.4	9411.9	9450.1	9488.3	9513.8
9191.1	5°	9220.8	9267.5	9365.2	9462.8	9577.4	9683.6	9806.7	9895.8	9968.0	9989.2
9267.5	7.5°	9305.7	9382.2	9547.7	9713.3	9895.8	10069.9	10248.2	10401.0	10524.1	10570.8
9403.4	10°	9454.3	9556.2	9789.7	10023.2	10265.2	10532.6	10761.9	10982.6	11156.7	11228.9
9564.7	12.5°	9641.1	9768.5	10074.1	10396.8	10732.2	11101.5	11398.7	11670.4	11886.9	11984.5
9789.7	15°	9883.1	10048.7	10439.2	10872.3	11364.7	11878.4	12256.2	12557.7	12799.6	12918.5
10023.2	17.5°	10146.3	10367.1	10859.5	11513.3	12218.0	12893.0	13334.5	13555.3	13805.8	13920.4
10239.7	20°	10401.0	10672.7	11377.5	12328.4	13266.6	13984.1	14340.7	14400.1	14417.1	14429.8
10443.5	22.5°	10664.2	11029.3	12027.0	13355.8	14361.9	14858.6	14909.6	14654.8	14298.2	14132.7
10643.0	25°	10952.9	11436.9	12876.1	14489.3	15304.4	15363.8	14973.2	14353.4	13678.4	13368.5
10804.3	27.5°	11233.1	11908.1	13894.9	15571.8	15983.6	15461.5	14620.9	13742.1	12927.0	12600.1
10919.0	30°	11513.3	12447.3	15019.9	16518.5	16293.5	15219.5	14064.7	13084.1	12264.7	11920.9
11020.9	32.5°	11797.7	13075.6	16314.8	17202.0	16238.3	14705.8	13372.8	12345.4	11623.7	11262.8
11110.0	35°	12120.4	13848.2	17541.7	17575.6	15869.0	13950.1	12460.0	11462.4	10834.1	10545.4
11216.1	37.5°	12540.7	14828.9	18624.2	17669.0	15223.7	12842.1	11326.5	10418.0	9900.1	9768.5
11373.2	40°	13062.8	16009.1	19452.1	17520.4	14268.5	11496.3	10086.9	9360.9	9068.0	9097.7
11585.5	42.5°	13742.1	17329.4	20033.7	17138.4	12939.7	10108.1	9000.1	8677.4	8817.5	8936.4
11903.9	45°	14625.1	18700.6	20394.5	16488.8	11436.9	8932.2	8359.0	8435.5	8541.6	8554.3
12417.6	47.5°	15754.4	20088.9	20632.3	15508.2	9904.3	8104.3	7951.5	7968.5	7947.2	7858.1
13186.0	50°	17163.8	21438.9	20844.5	14209.1	8601.0	7586.4	7382.6	7323.2	7030.2	6741.6
14209.1	52.5°	18768.6	22678.5	20933.7	12595.9	7586.4	7153.4	6822.2	6448.6	5901.0	5811.8
15495.4	55°	20551.6	23824.7	20704.4	10613.3	6733.1	6597.2	6096.3	5646.3	5586.8	5510.4
17189.3	57.5°	22682.7	25060.1	20237.4	8401.5	5858.5	5947.7	5459.5	5510.4	5404.3	5285.4
19367.1	60°	25013.4	26338.0	19418.1	6385.0	4954.3	5136.8	5293.9	5289.7	5260.0	5162.3
21663.9	62.5°	27110.6	27178.5	17804.9	4890.6	4160.4	4508.5	4937.3	4933.1	4907.6	4852.4
24062.5	65°	28358.7	27051.2	15113.3	3850.5	3506.6	3990.6	4453.3	4487.3	4491.5	4487.3
25866.7	67.5°	28138.0	25561.1	11419.9	3065.1	2967.5	3464.2	3973.6	4020.3	4054.3	4062.8
26096.0	70°	25641.7	22287.9	7446.3	2445.3	2487.8	3001.4	3519.4	3566.1	3595.8	3629.7
22644.5	72.5°	19987.0	16386.9	4262.3	1978.3	2067.5	2602.4	3069.4	3124.6	3141.5	3205.2
15758.6	75°	12179.8	9636.9	2301.0	1558.0	1698.1	2224.5	2623.6	2687.3	2717.0	2793.4
7739.2	77.5°	5790.6	4173.1	1311.8	1214.2	1367.0	1817.0	2216.1	2288.2	2207.6	2250.0
2135.4	80°	1957.1	1549.5	827.8	925.5	1044.3	1417.9	1774.5	1846.7	1676.9	1668.4
709.0	82.5°	683.5	628.3	526.4	615.6	675.0	1014.6	1341.5	1434.9	1248.1	1243.9
318.4	85°	267.5	254.7	292.9	335.4	403.3	624.1	883.0	929.7	768.4	619.8
93.4	87.5°	55.2	59.4	72.2	76.4	123.1	216.5	318.4	390.6	309.9	263.2
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°
9152.9
9496.8
9997.7
10575.1
11233.1
11984.5
12910.0
13916.2
14463.8
14179.4
13415.2
12638.3
11959.1
11309.5
10609.1
9861.9
9199.6
9046.8
8639.2
7926.0
6779.8
5841.6
5523.2
5264.2
5128.3
4831.2
4487.3
4071.3
3646.7
3230.7
2801.9
2216.1
1651.4
1184.4
611.3
242.0
0.0

F REPORT)