

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: P849356

Luminaire Tested: **GLAN-SB6B-835-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849356
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-SB6B-835-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28014 lumens
Efficiency: N/A
Efficacy: 127.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

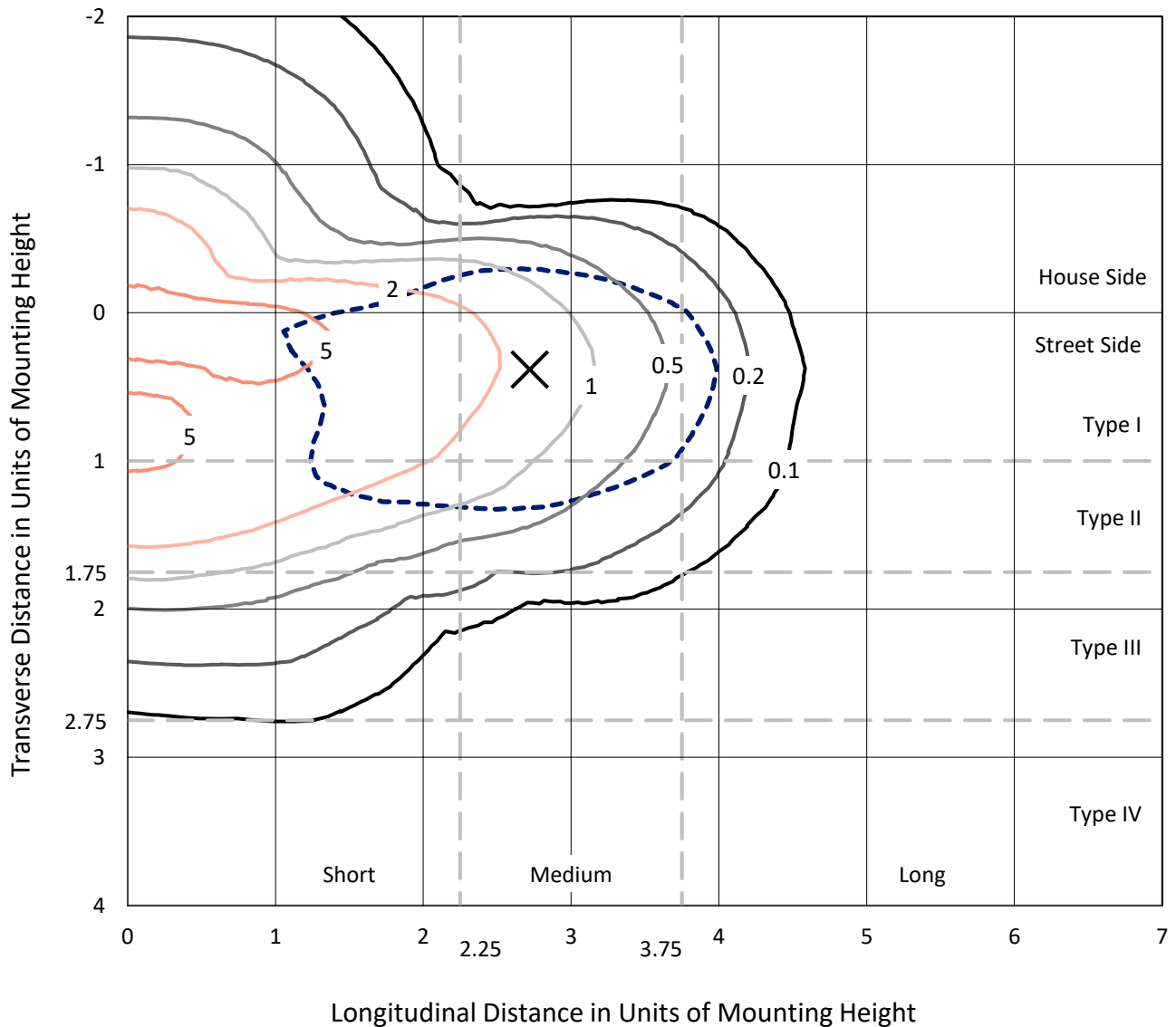
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P849356
 CATALOG NUMBER: GLAN-SB6B-835-U-T2

Iso-Footcandle Lines of Horizontal Illumination

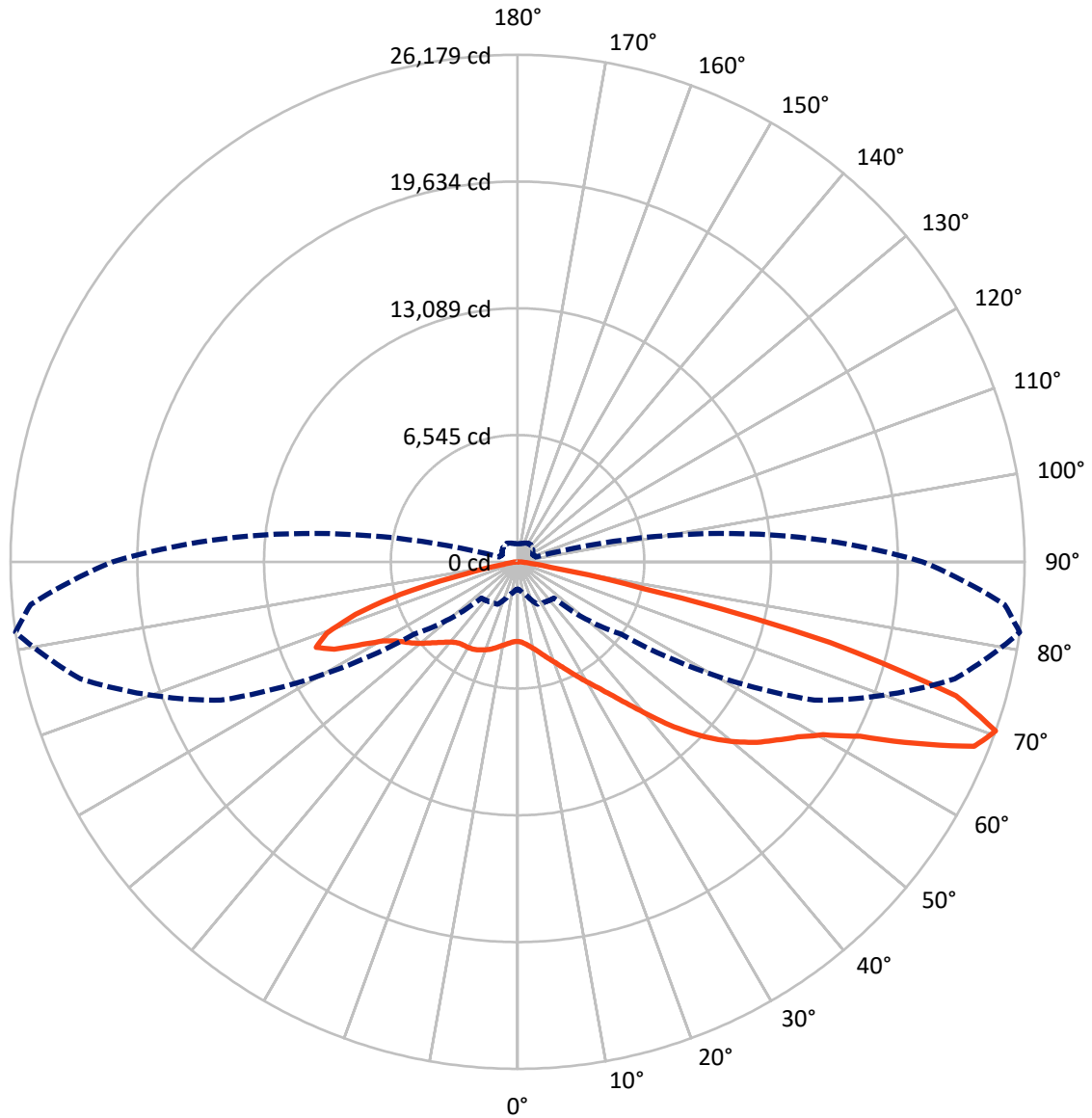
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 fc
 Type II - Medium - N/A

REPORT NUMBER: P849356
CATALOG NUMBER: GLAN-SB6B-835-U-T2

Luminous Intensity Polar Plot



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

REPORT NUMBER: P849356
 CATALOG NUMBER: GLAN-SB6B-835-U-T2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6906.1	0.0	6906.1
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	21107.9	0.0	21107.9
	% Fixture	75.3	0.0	75.3
Total	Lumens	28014.0	0.0	28014.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	387.8	1.4
10°-20°	1114.1	4.0
20°-30°	1863.9	6.7
30°-40°	2911.8	10.4
40°-50°	4637.4	16.6
50°-60°	6453.6	23.0
60°-70°	6750.7	24.1
70°-80°	3528.3	12.6
80°-90°	366.4	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°	28014.0	100.0
0°-180°	28014.0	100.0

Coefficient of Utilization

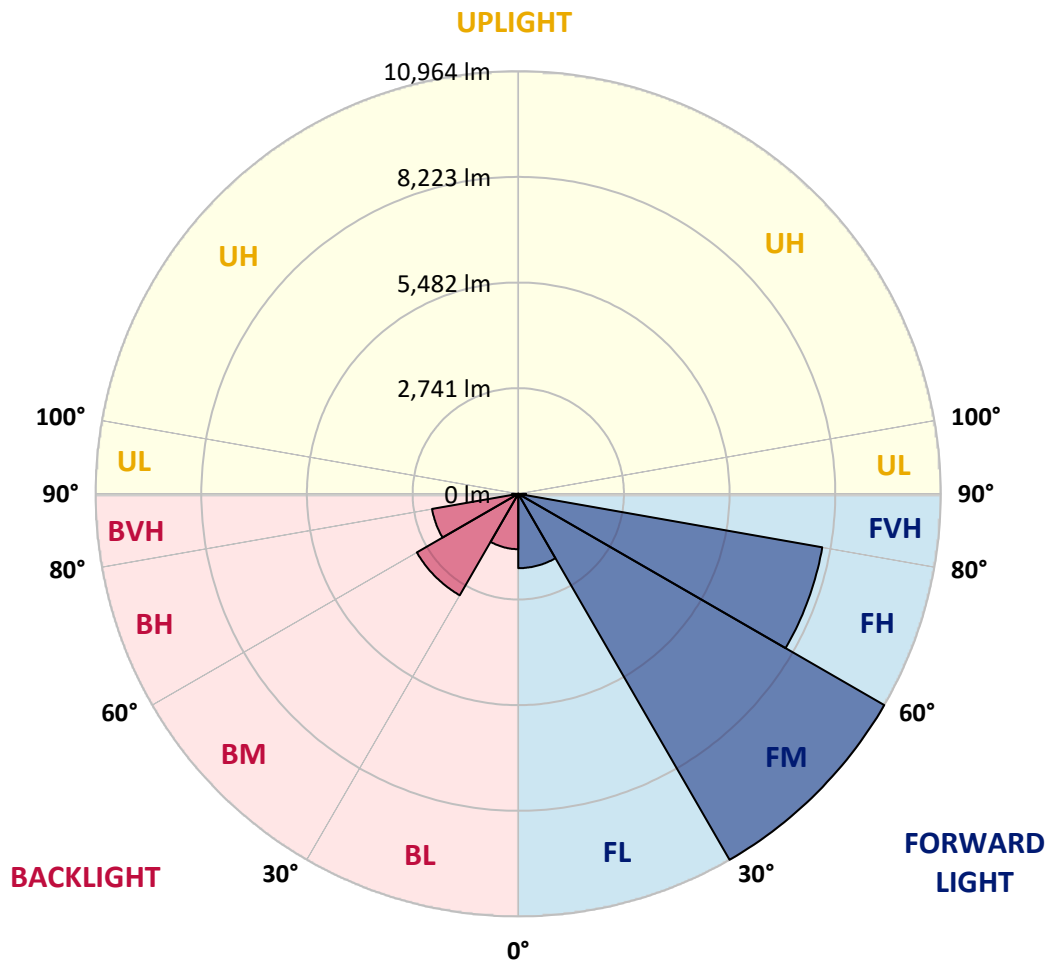


REPORT NUMBER: P849356
 CATALOG NUMBER: GLAN-SB6B-835-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1929.1	6.9			
FM (30°-60°)	10964.4	39.1			
FH (60°-80°)	8009.3	28.6			G4/12000
FVH (80°-90°)	205.1	0.7			G2/225
BL (0°-30°)	1436.7	5.1	B3/2500		
BM (30°-60°)	3038.4	10.8	B3/5000		
BH (60°-80°)	2269.7	8.1	B3/2500		G3/2500
BVH (80°-90°)	161.3	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: P849356
 CATALOG NUMBER: GLAN-SB6B-835-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	4107.2	4107.2	4107.2	4107.2	4107.2	4107.2	4107.2	4107.2	4107.2	4107.2
2.5°	4205.3	4229.1	4221.7	4214.2	4214.2	4203.8	4202.3	4187.5	4175.6	4156.3
5°	4258.8	4284.1	4281.1	4287.1	4306.4	4310.9	4315.3	4306.4	4282.6	4258.8
7.5°	4211.3	4239.5	4248.4	4284.1	4343.6	4397.1	4437.2	4453.6	4431.3	4397.1
10°	4050.7	4081.9	4113.1	4197.9	4303.4	4429.8	4536.8	4600.7	4596.3	4563.6
12.5°	3725.2	3757.9	3824.8	3989.8	4183.0	4406.0	4605.2	4739.0	4785.0	4761.3
15°	3465.0	3493.3	3543.8	3713.3	3964.5	4303.4	4630.5	4890.6	5008.0	4994.6
17.5°	3457.6	3469.5	3500.7	3581.0	3774.2	4142.9	4603.7	5039.2	5263.7	5262.2
20°	3588.4	3592.9	3610.7	3627.1	3737.1	4021.0	4535.3	5162.6	5550.6	5550.6
22.5°	3769.8	3766.8	3784.6	3769.8	3823.3	4010.6	4492.2	5271.1	5870.2	5894.0
25°	4041.8	4026.9	4022.5	3988.3	3998.7	4107.2	4539.8	5394.5	6249.3	6298.3
27.5°	4404.5	4380.7	4364.4	4285.6	4258.8	4306.4	4685.5	5543.2	6671.4	6756.1
30°	4877.2	4834.1	4810.3	4673.6	4576.9	4584.4	4905.5	5740.9	7112.9	7249.7
32.5°	5522.4	5455.5	5391.5	5167.1	4990.2	4932.2	5189.4	6014.4	7591.6	7810.1
35°	6244.8	6191.3	6122.9	5776.5	5504.5	5370.7	5572.9	6396.4	8152.0	8498.3
37.5°	6940.5	6894.4	6927.1	6460.3	6109.5	5914.8	6075.3	6909.3	8843.2	9354.6
40°	7659.9	7624.3	7628.7	7182.8	6774.0	6555.5	6684.8	7552.9	9635.5	10372.8
42.5°	8441.8	8415.1	8325.9	7930.5	7471.2	7267.5	7386.4	8296.2	10485.8	11532.3
45°	9317.4	9301.0	9217.8	8764.4	8238.2	8009.3	8169.8	9116.7	11340.5	12623.4
47.5°	10074.0	10087.4	10077.0	9695.0	9149.4	8813.5	9005.2	9972.9	12135.8	13649.1
50°	10438.2	10508.1	10610.6	10491.7	10152.8	9810.9	9848.1	10799.4	12893.9	14610.8
52.5°	10247.9	10380.2	10659.7	10850.0	10980.8	10909.4	10809.8	11620.0	13607.4	15478.9
55°	9538.9	9724.7	10188.5	10647.8	11315.2	11834.0	11964.8	12529.7	14303.1	16243.0
57.5°	8247.1	8548.9	8965.1	9894.2	11017.9	12281.5	13311.6	13791.8	15040.4	17059.1
60°	6032.2	6436.6	6953.9	8336.3	9977.4	12042.1	14457.7	15730.2	16088.4	18116.0
62.5°	3860.4	4110.2	4585.9	5888.0	7774.4	10815.8	14808.5	18153.2	17864.8	19849.2
65°	2643.0	2803.5	3239.1	3970.4	5025.9	8050.9	13869.1	19969.7	20686.2	22596.3
67.5°	1920.6	2042.5	2414.1	3054.8	3274.8	4764.2	10762.3	19886.4	23428.7	25426.6
70°	1400.3	1486.5	1798.7	2414.1	2519.6	2650.4	6519.8	16904.5	23369.3	26178.8
72.5°	1037.6	1097.0	1306.6	1873.0	2039.5	1789.7	3227.2	12285.9	20081.1	23678.5
75°	750.7	795.3	949.9	1433.0	1632.2	1363.1	1609.9	7179.8	14007.3	16656.2
77.5°	573.8	608.0	709.1	1049.5	1306.6	1022.7	998.9	3303.0	6641.7	6674.4
80°	460.8	483.1	538.1	738.8	1001.9	765.5	651.1	1333.4	2098.9	1776.4
82.5°	338.9	376.1	454.9	518.8	716.5	527.7	396.9	673.4	798.3	686.8
85°	193.2	218.5	275.0	371.6	457.8	322.6	227.4	298.8	371.6	304.7
87.5°	68.4	89.2	96.6	145.7	199.2	133.8	87.7	86.2	121.9	90.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P849356
 CATALOG NUMBER: GLAN-SB6B-835-U-T2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4107.2	0°	4107.2	4107.2	4107.2	4107.2	4107.2	4107.2	4107.2	4107.2	4107.2	4107.2
4151.8	2.5°	4136.9	4129.5	4099.8	4059.6	4018.0	3977.9	3964.5	3936.3	3916.9	3906.5
4248.4	5°	4220.2	4196.4	4126.5	4037.3	3943.7	3842.6	3771.3	3705.8	3658.3	3613.7
4380.7	7.5°	4339.1	4297.5	4177.1	4021.0	3854.5	3686.5	3561.7	3466.5	3402.6	3361.0
4535.3	10°	4477.3	4413.4	4229.1	3995.7	3738.6	3497.7	3350.6	3268.8	3228.7	3206.4
4712.2	12.5°	4636.4	4545.7	4282.6	3937.7	3561.7	3286.7	3185.6	3161.8	3163.3	3164.8
4935.2	15°	4832.6	4706.3	4325.7	3811.4	3331.2	3124.6	3106.8	3145.4	3185.6	3204.9
5187.9	17.5°	5054.1	4875.7	4333.2	3603.3	3105.3	3020.6	3077.1	3160.3	3221.2	3248.0
5470.3	20°	5291.9	5048.2	4279.6	3309.0	2919.5	2935.8	3036.9	3143.9	3210.8	3245.0
5792.9	22.5°	5564.0	5232.5	4151.8	2999.8	2767.9	2843.7	2962.6	3066.7	3136.5	3170.7
6172.0	25°	5874.7	5439.1	3951.1	2739.6	2637.1	2739.6	2858.5	2944.8	3001.2	3032.5
6595.6	27.5°	6219.5	5654.7	3683.5	2533.0	2522.6	2632.6	2730.7	2797.6	2827.3	2851.1
7046.0	30°	6565.9	5850.9	3359.5	2376.9	2423.0	2527.1	2596.9	2626.6	2635.6	2640.0
7548.5	32.5°	6940.5	6020.3	3019.1	2247.6	2327.9	2424.5	2466.1	2479.5	2437.9	2409.6
8157.9	35°	7393.9	6201.7	2686.1	2145.0	2234.2	2317.5	2330.8	2318.9	2269.9	2211.9
8922.0	37.5°	7954.3	6427.6	2420.0	2072.2	2146.5	2201.5	2185.2	2182.2	2186.6	2118.3
9840.6	40°	8641.0	6722.0	2225.3	2015.7	2075.2	2087.0	2041.0	2066.2	2088.5	1984.5
10848.5	42.5°	9403.6	7077.2	2101.9	1977.0	2015.7	1987.5	1916.1	1944.3	1941.4	1804.6
11860.8	45°	10181.0	7463.7	2058.8	1948.8	1960.7	1904.2	1825.4	1832.9	1770.4	1647.0
12831.5	47.5°	10954.0	7878.5	2085.6	1925.0	1892.3	1828.4	1767.4	1734.7	1642.6	1550.4
13762.0	50°	11712.1	8314.0	2183.7	1877.5	1798.7	1761.5	1716.9	1658.9	1560.8	1482.0
14642.0	52.5°	12415.3	8752.5	2293.7	1798.7	1681.2	1703.5	1675.3	1608.4	1511.8	1431.5
15474.5	55°	13081.2	9191.0	2336.8	1690.2	1571.2	1653.0	1636.6	1513.3	1397.3	1331.9
16345.6	57.5°	13806.6	9718.7	2289.2	1551.9	1482.0	1595.0	1532.6	1395.8	1328.9	1279.9
17479.8	60°	14811.5	10546.7	2186.6	1381.0	1397.3	1508.8	1401.8	1345.3	1272.4	1217.4
19180.3	62.5°	16480.8	12091.2	2021.6	1211.5	1297.7	1381.0	1339.3	1282.9	1208.5	1155.0
22087.9	65°	18948.4	14237.7	1711.0	1079.2	1186.2	1256.1	1272.4	1216.0	1138.7	1082.2
24635.8	67.5°	21029.5	15584.5	1294.7	969.2	1071.8	1155.0	1201.1	1146.1	1064.3	1009.3
25231.9	70°	20915.1	14606.4	988.5	860.7	970.7	1055.4	1114.9	1071.8	984.1	932.0
22918.9	72.5°	18576.8	12219.0	799.7	750.7	868.1	951.4	1022.7	990.0	900.8	850.3
16790.0	75°	13647.6	8673.7	639.2	639.2	740.3	842.8	921.6	900.8	819.1	783.4
7049.0	77.5°	5752.8	3639.0	501.0	530.7	615.4	723.9	822.0	829.5	758.1	802.7
1864.1	80°	1529.6	1003.4	382.0	417.7	483.1	597.6	715.0	712.0	634.7	593.1
692.7	82.5°	582.7	395.4	272.0	294.3	349.3	457.8	566.4	584.2	506.9	438.5
272.0	85°	224.5	169.5	168.0	176.9	203.7	303.2	428.1	443.0	382.0	324.1
75.8	87.5°	58.0	50.5	62.4	59.5	93.6	162.0	245.3	254.2	233.4	135.3
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

180°
4107.2
3918.4
3631.5
3369.9
3212.3
3167.7
3203.4
3254.0
3254.0
3179.6
3041.4
2860.0
2650.4
2418.5
2214.9
2122.7
1987.5
1803.1
1651.5
1550.4
1476.1
1433.0
1326.0
1275.4
1214.5
1155.0
1085.1
1010.8
936.5
850.3
773.0
728.4
551.5
438.5
334.5
193.2
0.0

F REPORT)