

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: P849868

Luminaire Tested: **GLAN-SB7A-835-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849868
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-SB7A-835-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26431 lumens
Efficiency: N/A
Efficacy: 132.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

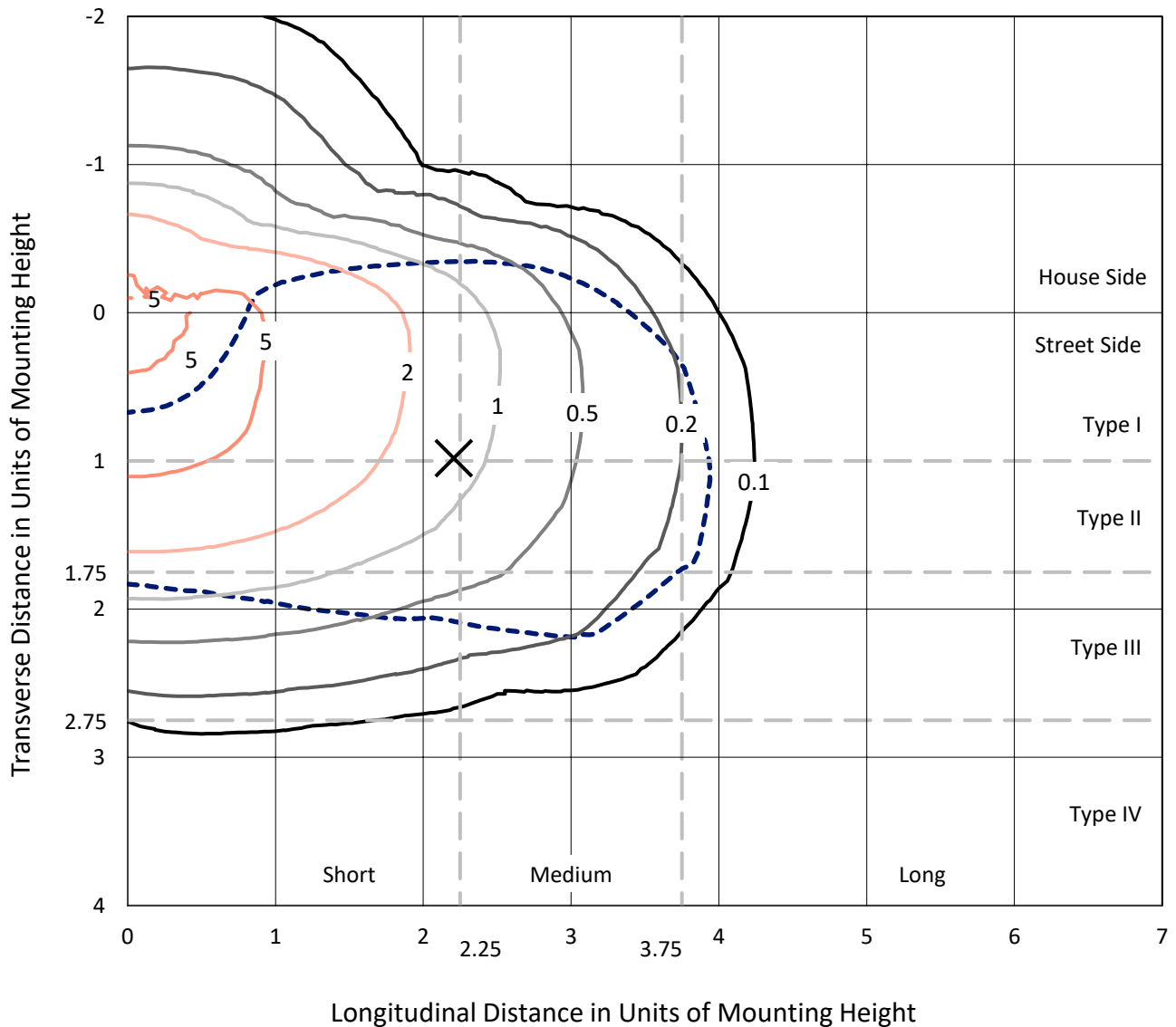
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P849868
 CATALOG NUMBER: GLAN-SB7A-835-U-T3

Iso-Footcandle Lines of Horizontal Illumination

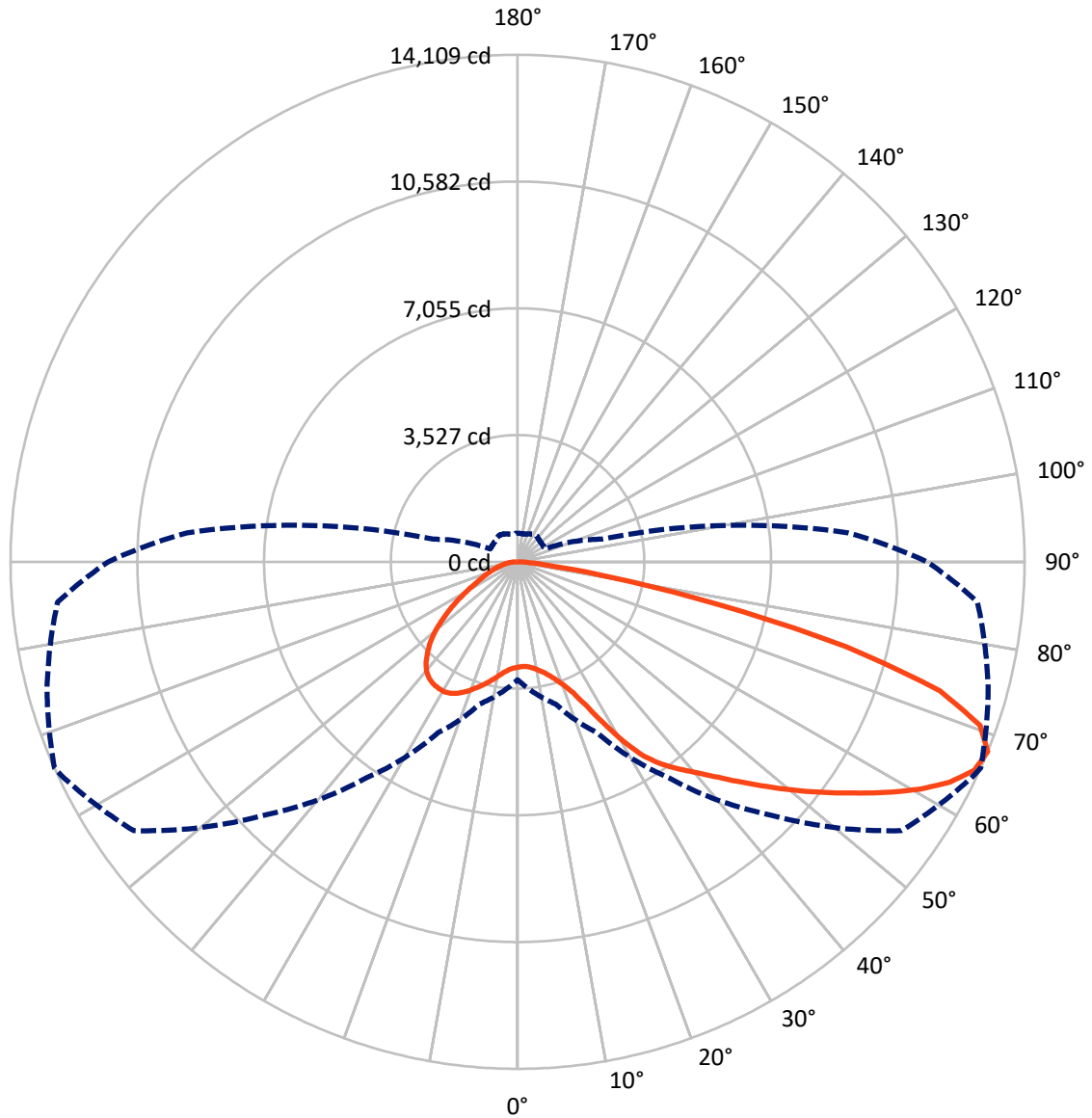
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc
 Type III - Short - N/A

REPORT NUMBER: P849868
CATALOG NUMBER: GLAN-SB7A-835-U-T3

Luminous Intensity Polar Plot



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

REPORT NUMBER: P849868
 CATALOG NUMBER: GLAN-SB7A-835-U-T3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6572.0	0.0	6572.0
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	19859.0	0.0	19859.0
	% Fixture	75.1	0.0	75.1
Total	Lumens	26431.0	0.0	26431.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	290.6	1.1
10°-20°	960.3	3.6
20°-30°	1850.9	7.0
30°-40°	3245.3	12.3
40°-50°	4824.6	18.3
50°-60°	6115.7	23.1
60°-70°	5984.1	22.6
70°-80°	2854.5	10.8
80°-90°	305.1	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°	26431.0	100.0
0°-180°	26431.0	100.0

Coefficient of Utilization

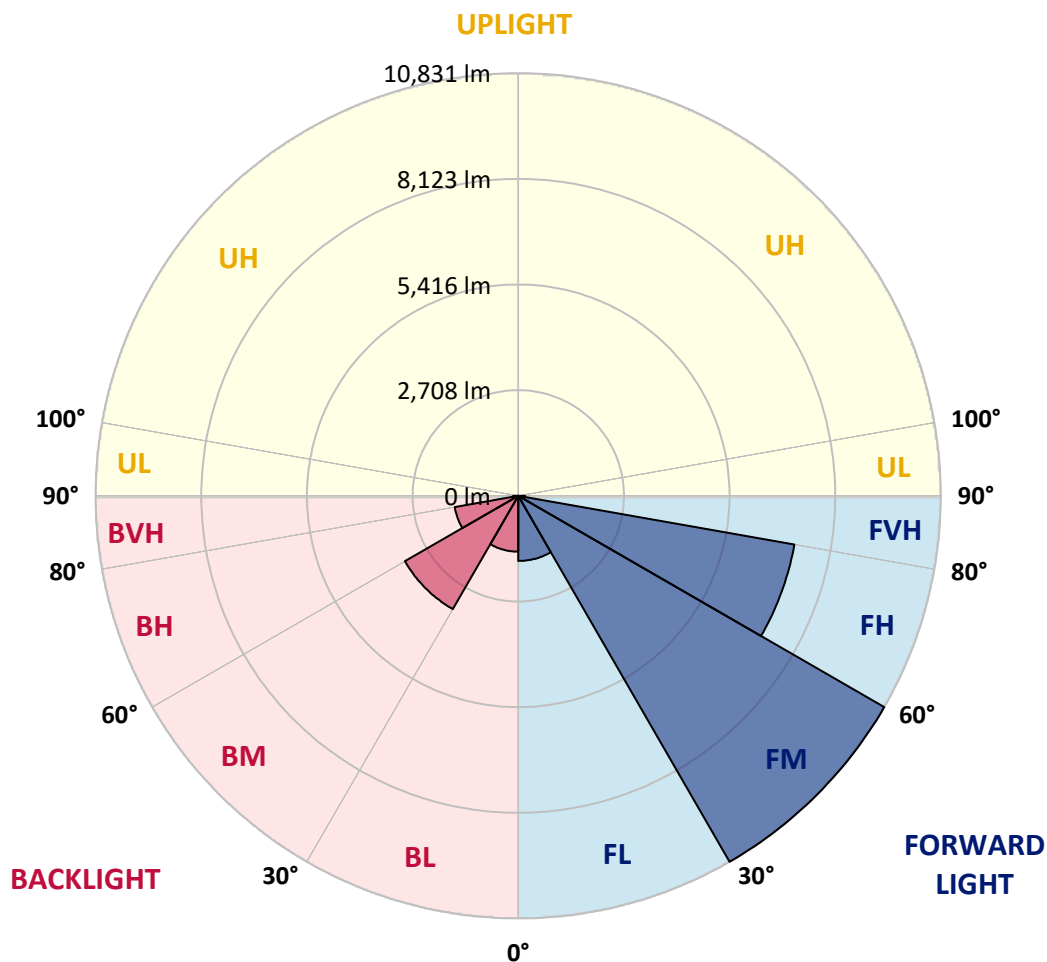


REPORT NUMBER: P849868
 CATALOG NUMBER: GLAN-SB7A-835-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1670.2	6.3			
FM (30°-60°)	10831.2	41.0			
FH (60°-80°)	7184.7	27.2			G3/7500
FVH (80°-90°)	173.0	0.7			G2/225
BL (0°-30°)	1431.6	5.4	B3/2500		
BM (30°-60°)	3354.4	12.7	B3/5000		
BH (60°-80°)	1653.8	6.3	B3/2500		G3/2500
BVH (80°-90°)	132.1	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
 Type III Short



REPORT NUMBER: P849868
 CATALOG NUMBER: GLAN-SB7A-835-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	2931.5	2931.5	2931.5	2931.5	2931.5	2931.5	2931.5	2931.5	2931.5	2931.5
2.5°	2901.0	2917.7	2913.5	2906.6	2905.2	2907.9	2912.1	2916.3	2914.9	2921.8
5°	2892.7	2909.3	2907.9	2907.9	2913.5	2924.6	2931.5	2938.5	2931.5	2939.9
7.5°	2898.2	2910.7	2916.3	2921.8	2935.7	2956.5	2973.2	2988.5	2980.2	2989.9
10°	2969.0	2978.8	2984.3	2984.3	2994.0	3017.6	3034.3	3062.1	3055.1	3070.4
12.5°	3098.2	3107.9	3107.9	3102.4	3109.3	3124.6	3130.1	3160.7	3148.2	3173.2
15°	3256.5	3275.9	3260.7	3250.9	3253.7	3269.0	3267.6	3291.2	3278.7	3299.6
17.5°	3431.5	3456.5	3431.5	3430.1	3424.5	3441.2	3442.6	3463.4	3441.2	3456.5
20°	3638.4	3673.1	3652.3	3659.2	3646.7	3653.7	3660.6	3691.2	3656.4	3667.6
22.5°	3930.0	3971.7	3949.5	3975.9	3967.5	3962.0	3960.6	4014.7	3960.6	3964.7
25°	4355.0	4405.0	4366.1	4402.2	4402.2	4420.2	4441.1	4510.5	4420.2	4393.8
27.5°	4982.7	5032.7	4956.3	4978.5	4971.5	5016.0	4993.8	5166.0	5068.8	5025.7
30°	5738.1	5827.0	5682.6	5677.0	5670.1	5740.9	5772.8	5886.7	5788.1	5745.1
32.5°	6554.7	6647.7	6475.5	6425.5	6399.1	6442.2	6415.8	6507.5	6439.4	6372.7
35°	7418.4	7510.1	7346.2	7249.0	7143.5	7053.2	6958.8	6982.4	6918.5	6817.1
37.5°	8235.0	8403.0	8229.4	8125.3	7930.9	7754.5	7490.7	7380.9	7321.2	7228.2
40°	9066.8	9162.6	9030.7	8941.8	8730.8	8454.4	8032.2	7800.3	7719.8	7629.5
42.5°	9679.2	9770.9	9700.1	9639.0	9473.7	9152.9	8607.2	8316.9	8200.3	8098.9
45°	10165.3	10233.3	10188.9	10211.1	10140.3	9829.2	9202.9	8871.0	8750.2	8626.6
47.5°	10361.1	10433.3	10504.1	10636.1	10756.9	10527.7	9843.1	9470.9	9343.2	9216.8
50°	10338.9	10412.5	10618.0	10898.5	11273.5	11197.1	10518.0	10109.7	9991.7	9847.3
52.5°	10161.1	10244.4	10508.3	10974.9	11572.0	11698.4	11205.4	10769.4	10658.3	10486.1
55°	9694.5	9744.5	10140.3	10801.3	11642.9	12048.4	11878.9	11472.1	11361.0	11120.7
57.5°	8829.4	8901.6	9477.9	10333.3	11465.1	12285.8	12470.5	12210.8	12103.9	11758.1
60°	7700.3	7815.6	8475.2	9547.3	11012.4	12284.4	13008.0	12937.1	12848.3	12385.8
62.5°	6422.7	6556.1	7190.7	8436.4	10220.8	11935.9	13344.0	13545.4	13499.6	12964.9
65°	4932.7	5024.3	5656.2	6999.1	8989.1	11187.4	13382.9	13960.6	13968.9	13405.1
67.5°	3284.3	3548.1	4096.7	5252.1	7339.3	9963.9	13041.3	14028.7	14109.2	13556.5
70°	1602.6	1949.7	2487.2	3413.4	5252.1	8087.8	12148.4	13470.4	13649.5	13114.9
72.5°	665.2	777.7	1070.7	1684.5	3014.9	5457.6	10354.2	11956.7	12288.6	11620.6
75°	448.6	486.0	612.4	863.8	1373.4	2691.3	7467.0	8915.5	9450.1	8776.6
77.5°	345.8	369.4	445.8	604.1	816.6	1017.9	3996.7	5372.9	5649.2	5229.8
80°	272.2	290.2	333.3	440.2	579.1	544.4	1362.3	2434.4	2594.1	2176.1
82.5°	236.1	243.0	238.9	298.6	384.7	318.0	447.2	898.5	991.5	719.3
85°	170.8	190.3	198.6	184.7	204.1	161.1	183.3	318.0	350.0	312.5
87.5°	69.4	102.8	126.4	119.4	75.0	45.8	56.9	93.0	106.9	116.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P849868
 CATALOG NUMBER: GLAN-SB7A-835-U-T3

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2931.5	0°	2931.5	2931.5	2931.5	2931.5	2931.5	2931.5	2931.5	2931.5	2931.5	2931.5
2932.9	2.5°	2934.3	2944.0	2951.0	2959.3	2964.9	2973.2	2989.9	2999.6	3001.0	3007.9
2955.2	5°	2960.7	2974.6	2989.9	3012.1	3037.1	3057.9	3089.9	3112.1	3120.4	3127.4
3009.3	7.5°	3017.6	3037.1	3064.9	3103.7	3139.9	3167.6	3206.5	3232.9	3259.3	3269.0
3095.4	10°	3102.4	3130.1	3170.4	3223.2	3262.1	3298.2	3338.4	3360.7	3387.0	3398.2
3198.2	12.5°	3207.9	3237.1	3289.8	3363.4	3399.5	3424.5	3438.4	3432.9	3438.4	3448.1
3321.8	15°	3328.7	3360.7	3420.4	3499.5	3524.5	3502.3	3471.8	3444.0	3439.8	3442.6
3471.8	17.5°	3471.8	3495.4	3564.8	3631.5	3613.4	3521.7	3455.1	3410.6	3388.4	3381.5
3663.4	20°	3671.7	3671.7	3728.7	3770.3	3649.5	3494.0	3389.8	3317.6	3271.8	3252.3
3924.5	22.5°	3914.7	3892.5	3928.6	3899.5	3642.6	3416.2	3271.8	3146.8	3077.4	3049.6
4289.7	25°	4223.0	4196.7	4186.9	4006.4	3592.6	3292.6	3057.9	2906.6	2845.4	2830.2
4816.0	27.5°	4688.3	4621.6	4495.2	4064.7	3500.9	3098.2	2808.0	2667.7	2633.0	2634.4
5492.3	30°	5307.6	5174.3	4864.6	4074.4	3350.9	2823.2	2552.4	2452.4	2435.8	2442.7
6060.3	32.5°	5881.1	5754.8	5242.3	4030.0	3120.4	2553.8	2323.3	2256.6	2231.6	2240.0
6493.6	35°	6331.1	6296.4	5592.3	3967.5	2837.1	2301.1	2117.8	2060.8	2012.2	2001.1
6901.8	37.5°	6756.0	6742.1	5854.8	3880.0	2556.6	2121.9	1952.5	1877.5	1806.7	1767.8
7353.2	40°	7222.6	7208.7	6027.0	3745.3	2308.0	1966.4	1803.9	1705.3	1617.8	1547.0
7864.2	42.5°	7747.6	7665.6	6108.9	3552.3	2096.9	1834.5	1683.1	1549.8	1434.5	1369.3
8441.9	45°	8321.1	8136.4	6107.5	3306.5	1919.2	1713.7	1554.0	1365.1	1258.2	1197.1
9034.9	47.5°	8929.3	8586.3	6032.5	3034.3	1747.0	1580.3	1354.0	1209.6	1138.7	1101.2
9679.2	50°	9557.0	9007.1	5904.8	2721.9	1570.6	1429.0	1229.0	1130.4	1076.2	1041.5
10318.0	52.5°	10147.2	9389.0	5750.6	2367.7	1391.5	1281.8	1173.5	1097.1	1040.1	1001.3
10937.4	55°	10695.8	9718.1	5532.6	2005.3	1245.7	1183.2	1147.1	1083.2	1017.9	972.1
11566.5	57.5°	11183.2	9932.0	5156.2	1665.1	1141.5	1115.1	1119.3	1059.6	984.6	945.7
12185.8	60°	11588.7	10088.9	4599.4	1349.8	1056.8	1048.5	1076.2	1015.1	927.7	883.2
12709.4	62.5°	11831.7	10086.1	3916.1	1105.4	984.6	987.4	1019.3	959.6	870.7	829.1
12983.0	65°	11810.9	9838.9	3166.2	945.7	915.2	917.9	959.6	898.5	823.5	798.5
12845.5	67.5°	11392.9	9236.2	2428.8	841.6	838.8	851.3	899.9	856.8	794.3	791.6
12026.1	70°	10261.1	7985.0	1749.8	758.2	759.6	777.7	841.6	830.4	779.1	784.6
10111.1	72.5°	8228.1	6088.1	1174.8	670.7	672.1	701.3	786.0	809.6	763.8	837.4
7174.0	75°	5479.8	3796.7	755.5	577.7	579.1	616.6	737.4	769.3	722.1	834.6
3732.8	77.5°	2633.0	1706.7	547.1	486.0	486.0	520.8	637.4	688.8	615.2	648.5
1199.8	80°	909.6	641.6	430.5	391.6	383.3	406.9	537.4	597.1	530.5	488.8
391.6	82.5°	358.3	333.3	345.8	304.1	276.4	291.6	418.0	493.0	390.2	352.7
220.8	85°	205.5	216.6	244.4	201.4	159.7	179.1	306.9	354.1	294.4	259.7
72.2	87.5°	55.5	76.4	112.5	104.2	72.2	76.4	145.8	195.8	169.4	130.5
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

180°
2931.5
3006.5
3126.0
3270.4
3403.7
3450.9
3452.3
3391.2
3248.2
3045.4
2832.9
2638.5
2466.3
2251.1
2009.4
1769.2
1554.0
1373.4
1194.3
1092.9
1029.0
984.6
954.0
920.7
863.8
816.6
797.1
795.7
783.2
848.5
841.6
594.4
458.3
351.3
265.2
134.7
0.0

F REPORT)