

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: P852440

Luminaire Tested: **GLAN-SB3D-835-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852440
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3D-835-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19140 lumens
Efficiency: N/A
Efficacy: 87.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

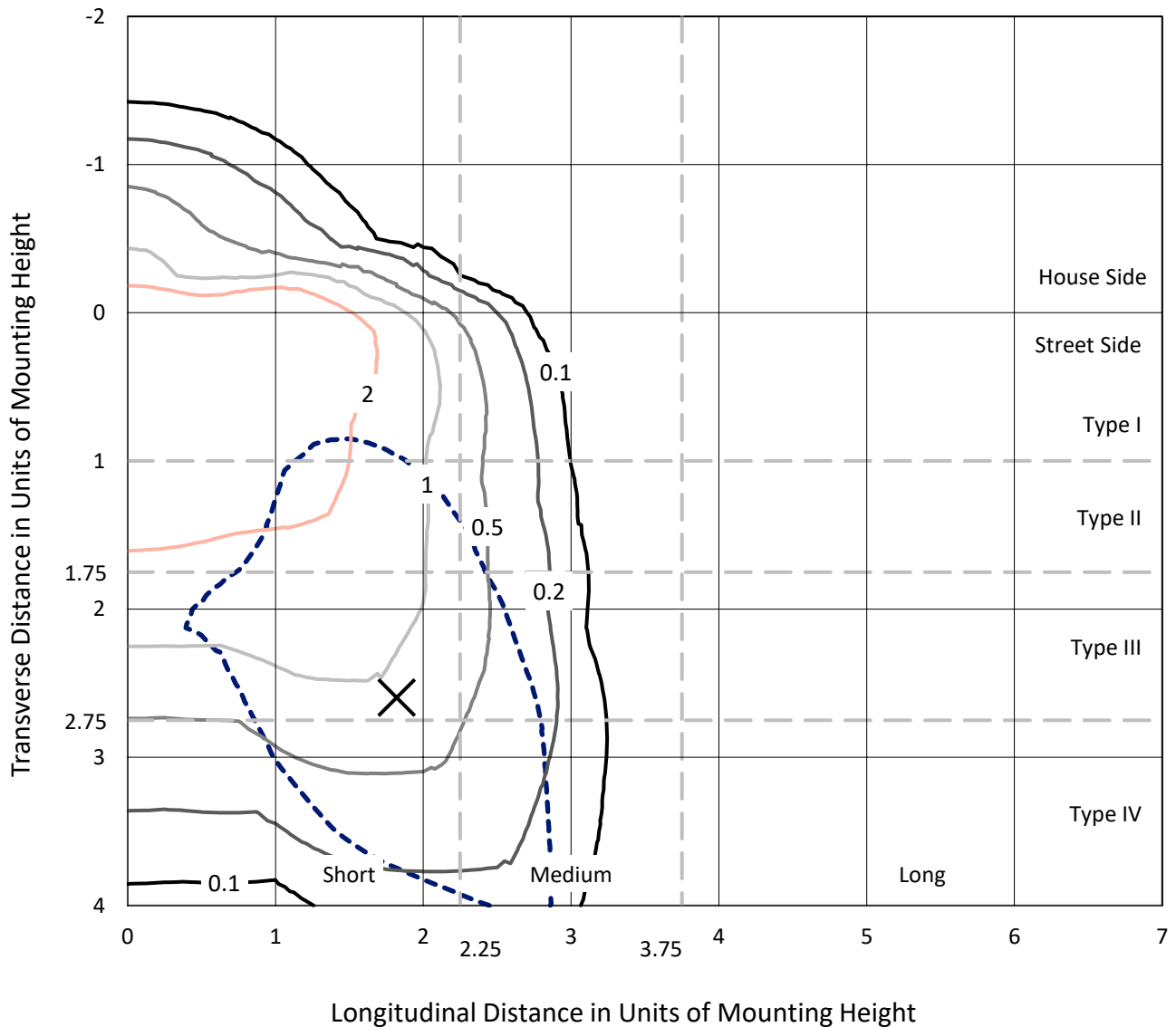
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P852440
 CATALOG NUMBER: GLAN-SB3D-835-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination

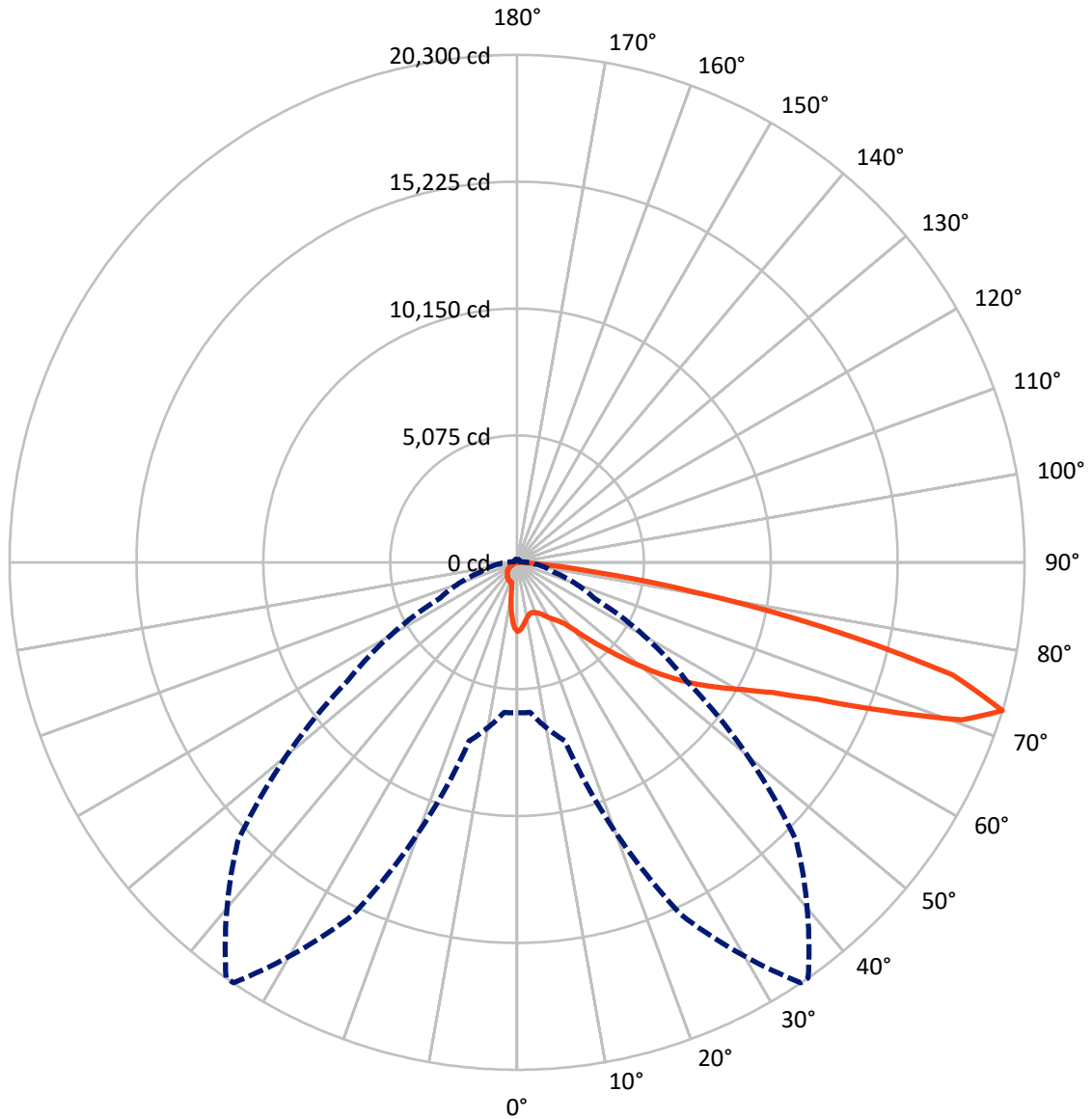
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc
 Type IV - Short - N/A

REPORT NUMBER: P852440
CATALOG NUMBER: GLAN-SB3D-835-U-T4FT-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P852440
 CATALOG NUMBER: GLAN-SB3D-835-U-T4FT-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2154.1	0.0	2154.1
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	16985.9	0.0	16985.9
	% Fixture	88.7	0.0	88.7
Total	Lumens	19140.0	0.0	19140.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.0	1.2
10°-20°	533.3	2.8
20°-30°	866.3	4.5
30°-40°	1445.4	7.6
40°-50°	2734.7	14.3
50°-60°	4345.4	22.7
60°-70°	5375.5	28.1
70°-80°	3341.5	17.5
80°-90°	270.0	1.4
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°	19140.0	100.0
0°-180°	19140.0	100.0

Coefficient of Utilization



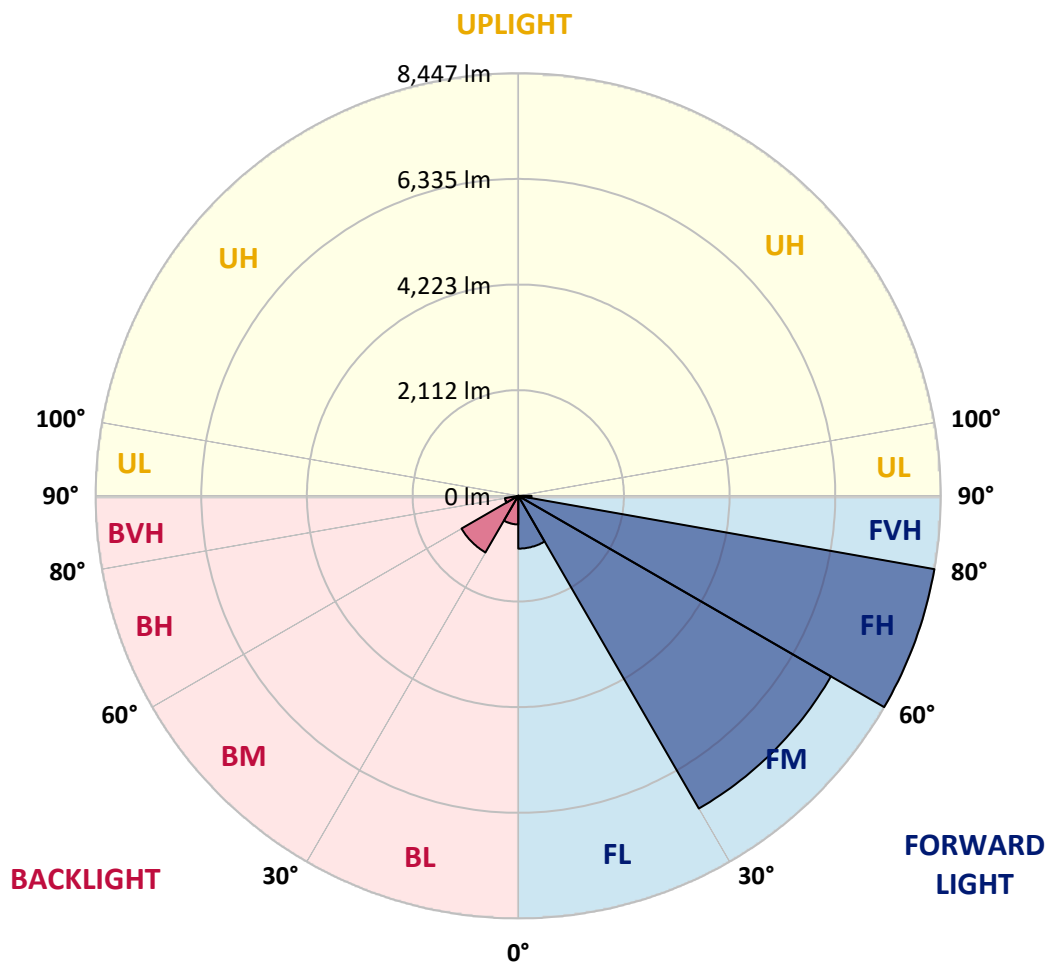
REPORT NUMBER: P852440
 CATALOG NUMBER: GLAN-SB3D-835-U-T4FT-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1055.1	5.5			
FM	(30°-60°)	7217.7	37.7			
FH	(60°-80°)	8446.7	44.1			G4/12000
FVH	(80°-90°)	266.4	1.4			G3/500
BL	(0°-30°)	572.4	3.0	B2/1000		
BM	(30°-60°)	1307.7	6.8	B2/2500		
BH	(60°-80°)	270.3	1.4	B1/500		G1/500
BVH	(80°-90°)	3.7	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type IV Short



REPORT NUMBER: P852440
 CATALOG NUMBER: GLAN-SB3D-835-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	2774.0	2774.0	2774.0	2774.0	2774.0	2774.0	2774.0	2774.0	2774.0	2774.0
2.5°	2650.6	2673.1	2677.3	2684.3	2684.3	2692.7	2706.7	2726.3	2758.6	2775.4
5°	2443.1	2459.9	2480.9	2497.7	2530.0	2534.2	2588.9	2642.2	2716.5	2772.6
7.5°	2234.1	2253.7	2281.8	2322.4	2364.5	2377.1	2459.9	2549.6	2667.4	2772.6
10°	2086.8	2088.2	2113.5	2154.1	2221.5	2236.9	2337.9	2465.5	2612.7	2755.8
12.5°	2004.1	2013.9	2025.1	2056.0	2120.5	2130.3	2238.3	2388.4	2558.1	2746.0
15°	2004.1	2011.1	2018.1	2033.5	2085.4	2093.8	2189.2	2339.3	2530.0	2750.2
17.5°	2025.1	2036.3	2030.7	2049.0	2103.7	2109.3	2193.4	2325.2	2528.6	2776.8
20°	2075.6	2084.0	2072.8	2084.0	2138.7	2149.9	2236.9	2351.9	2552.4	2823.1
22.5°	2155.6	2159.8	2133.1	2141.5	2197.6	2211.6	2312.6	2427.6	2609.9	2897.4
25°	2256.5	2264.9	2224.3	2234.1	2287.4	2304.2	2420.6	2541.2	2701.1	2999.8
27.5°	2372.9	2377.1	2342.1	2340.7	2409.4	2433.2	2551.0	2681.5	2823.1	3128.8
30°	2506.2	2518.8	2485.1	2479.5	2566.5	2586.1	2702.5	2854.0	3002.6	3322.4
32.5°	2611.3	2621.2	2601.5	2615.6	2703.9	2719.3	2886.2	3098.0	3284.5	3597.3
35°	2762.8	2768.4	2723.5	2748.8	2849.8	2889.0	3137.3	3440.2	3639.3	3942.3
37.5°	3311.2	3311.2	3120.4	2995.6	3092.4	3127.4	3480.9	3870.7	4076.9	4405.1
40°	4069.9	4057.3	3778.2	3522.9	3510.3	3579.0	3970.3	4413.5	4642.1	4960.4
42.5°	4879.1	4859.5	4479.4	4227.0	4184.9	4208.7	4535.5	5082.4	5315.3	5637.8
45°	5597.1	5591.5	5243.7	4904.3	4828.6	4904.3	5240.9	5865.0	6031.9	6371.3
47.5°	6198.8	6198.8	5944.9	5723.4	5684.1	5729.0	6196.0	6733.1	6717.7	7152.4
50°	6891.6	6886.0	6644.8	6549.4	6590.1	6653.2	7295.5	7647.5	7427.3	7919.6
52.5°	7376.8	7410.5	7327.8	7312.3	7519.9	7629.3	8411.8	8542.3	8062.6	8647.4
55°	7761.1	7800.4	7895.7	8003.7	8403.4	8546.5	9493.1	9390.7	8594.2	9278.5
57.5°	8305.3	8249.2	8396.4	8609.6	9256.1	9428.6	10540.7	10191.5	9021.9	9790.4
60°	8965.8	8974.2	8999.5	9268.7	10107.4	10329.0	11572.9	10948.9	9296.8	10104.6
62.5°	9759.6	9772.2	9824.1	10237.8	11250.4	11459.3	12672.5	11568.7	9423.0	10016.2
65°	9704.9	9758.2	10337.4	11752.5	12988.0	13194.2	13955.7	12003.5	9232.3	9208.4
67.5°	8841.0	8927.9	9897.0	13561.6	15607.8	15837.8	15506.8	12089.0	8409.0	7160.9
70°	7707.8	7738.7	8904.1	15188.4	18641.2	18874.0	16895.2	11148.0	6381.1	3994.2
72.5°	6019.3	6026.3	7393.7	15565.7	20287.7	20300.3	15805.5	8275.8	3431.8	1534.3
75°	4299.9	4257.8	4952.0	12623.4	17848.9	17991.9	11849.2	3882.0	1311.3	725.1
77.5°	2305.6	2351.9	2802.1	7486.2	12330.3	12574.3	6465.3	1119.1	667.6	493.7
80°	712.4	751.7	1148.6	3427.6	6984.2	7131.4	2396.8	497.9	465.6	352.0
82.5°	224.4	232.8	535.7	1440.3	2898.8	2966.2	694.2	281.9	318.4	232.8
85°	64.5	65.9	238.4	537.1	716.6	730.7	194.9	109.4	182.3	144.5
87.5°	7.0	22.4	89.8	89.8	63.1	61.7	21.0	23.8	51.9	18.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P852440
 CATALOG NUMBER: GLAN-SB3D-835-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2774.0	0°	2774.0	2774.0	2774.0	2774.0	2774.0	2774.0	2774.0	2774.0	2774.0	2774.0
2786.6	2.5°	2779.6	2781.0	2762.8	2732.0	2698.3	2670.2	2635.2	2607.1	2587.5	2581.9
2811.9	5°	2799.3	2789.5	2737.6	2643.6	2531.4	2434.6	2326.6	2241.1	2185.0	2161.2
2838.5	7.5°	2828.7	2800.7	2687.1	2502.0	2287.4	2096.6	1903.1	1753.1	1657.7	1610.0
2863.8	10°	2854.0	2797.9	2602.9	2297.2	1969.0	1680.1	1419.3	1238.4	1137.4	1089.7
2893.2	12.5°	2877.8	2796.5	2493.5	2054.6	1610.0	1256.6	1014.0	924.2	896.2	886.3
2940.9	15°	2922.7	2800.7	2356.1	1776.9	1252.4	949.5	861.1	859.7	865.3	862.5
3013.8	17.5°	2984.4	2804.9	2200.4	1482.4	966.3	837.3	833.0	845.7	854.1	849.9
3105.0	20°	3064.3	2821.7	2034.9	1190.7	830.2	809.2	819.0	830.2	837.3	830.2
3227.0	22.5°	3176.5	2851.2	1854.0	956.5	786.8	792.4	800.8	813.4	820.4	810.6
3382.7	25°	3314.0	2897.4	1675.9	831.6	765.7	772.7	785.4	799.4	807.8	798.0
3579.0	27.5°	3492.1	2971.8	1511.8	803.6	744.7	748.9	767.1	788.2	799.4	786.8
3858.1	30°	3750.1	3093.8	1370.2	816.2	732.1	722.3	747.5	777.0	789.6	778.4
4238.2	32.5°	4092.3	3266.3	1283.2	835.9	726.5	691.4	715.2	753.1	774.1	767.1
4734.6	35°	4541.1	3528.5	1249.6	858.3	722.3	659.1	676.0	716.6	753.1	760.1
5360.1	37.5°	5085.3	3893.2	1259.4	868.1	709.6	632.5	640.9	676.0	723.7	746.1
6064.2	40°	5703.7	4318.1	1315.5	858.3	695.6	610.1	611.5	638.1	680.2	713.8
6821.5	42.5°	6341.8	4814.6	1419.3	821.8	683.0	590.4	586.2	604.5	632.5	656.3
7577.4	45°	6949.1	5325.1	1521.6	771.3	667.6	570.8	561.0	568.0	573.6	583.4
8313.7	47.5°	7479.2	5684.1	1492.2	725.1	646.5	548.4	531.5	528.7	511.9	510.5
8971.4	50°	7845.3	5762.6	1325.3	678.8	615.7	523.1	496.5	479.6	450.2	436.2
9463.7	52.5°	7961.7	5452.7	1082.7	632.5	565.2	489.5	451.6	424.9	388.5	375.9
9747.0	55°	7807.4	4845.4	865.3	576.4	495.1	444.6	402.5	367.4	338.0	322.6
9777.8	57.5°	7430.1	4072.7	684.4	510.5	420.7	394.1	352.0	317.0	291.7	276.3
9435.6	60°	6804.6	3234.0	541.3	432.0	359.0	339.4	295.9	273.5	251.0	232.8
8552.1	62.5°	5855.2	2308.4	424.9	342.2	300.1	277.7	252.4	235.6	209.0	183.7
6963.1	65°	4569.2	1412.3	328.2	251.0	241.2	230.0	214.6	199.1	166.9	141.6
4542.5	67.5°	2882.0	669.0	234.2	189.3	190.7	185.1	178.1	165.5	141.6	119.2
2034.9	70°	1269.2	324.0	154.3	144.5	141.6	141.6	147.3	143.0	120.6	99.6
706.8	72.5°	432.0	173.9	115.0	109.4	102.4	101.0	123.4	119.2	96.8	77.1
352.0	75°	225.8	116.4	84.1	78.5	61.7	74.3	98.2	92.6	68.7	50.5
232.8	77.5°	147.3	82.7	57.5	50.5	35.1	49.1	72.9	64.5	40.7	25.2
152.9	80°	92.6	54.7	33.7	23.8	16.8	26.6	39.3	28.0	15.4	5.6
89.8	82.5°	49.1	28.0	12.6	8.4	7.0	8.4	9.8	7.0	2.8	0.0
46.3	85°	19.6	9.8	4.2	2.8	1.4	0.0	2.8	1.4	0.0	0.0
8.4	87.5°	7.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
<hr/>
2774.0
2591.7
2169.6
1617.0
1091.1
883.5
861.1
848.5
828.8
809.2
796.6
786.8
777.0
767.1
760.1
751.7
725.1
666.2
589.0
509.1
437.6
374.5
322.6
273.5
228.6
179.5
137.4
116.4
95.4
72.9
46.3
22.4
4.2
0.0
0.0
0.0
0.0

F REPORT)