

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: P852922

Luminaire Tested: **GLAN-SB7B-927-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852922
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-SB7B-927-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 2700K, 450mA 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: 19526 lumens
Efficiency: N/A
Efficacy: 76.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

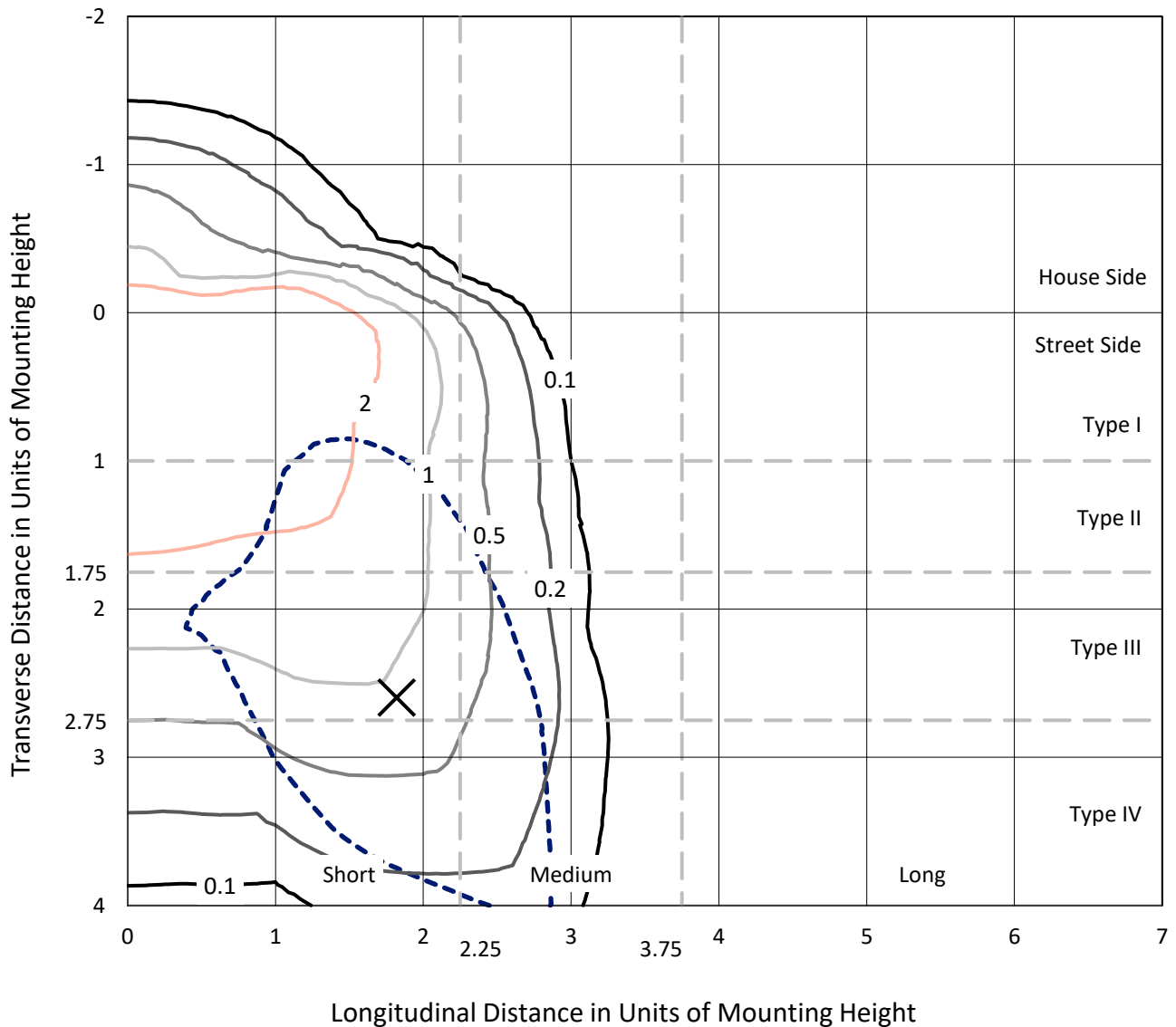
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P852922
 CATALOG NUMBER: GLAN-SB7B-927-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination

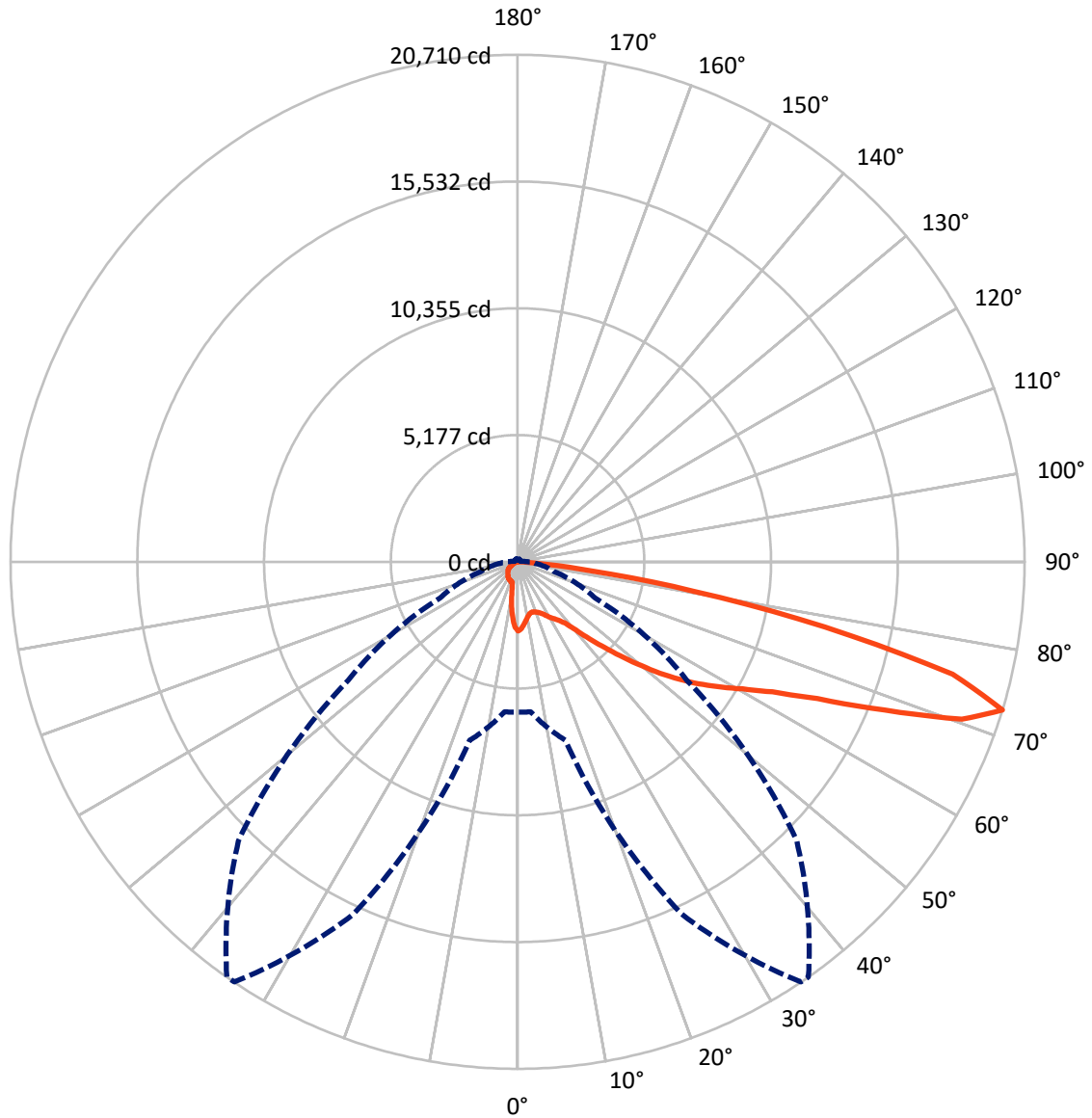
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc
 Type IV - Short - N/A

REPORT NUMBER: P852922
CATALOG NUMBER: GLAN-SB7B-927-U-T4FT-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P852922
 CATALOG NUMBER: GLAN-SB7B-927-U-T4FT-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2197.6	0.0	2197.6
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	17328.4	0.0	17328.4
	% Fixture	88.7	0.0	88.7
Total	Lumens	19526.0	0.0	19526.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.5	1.2
10°-20°	544.0	2.8
20°-30°	883.7	4.5
30°-40°	1474.5	7.6
40°-50°	2789.8	14.3
50°-60°	4433.0	22.7
60°-70°	5484.0	28.1
70°-80°	3408.9	17.5
80°-90°	275.5	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°	19526.0	100.0
0°-180°	19526.0	100.0

Coefficient of Utilization



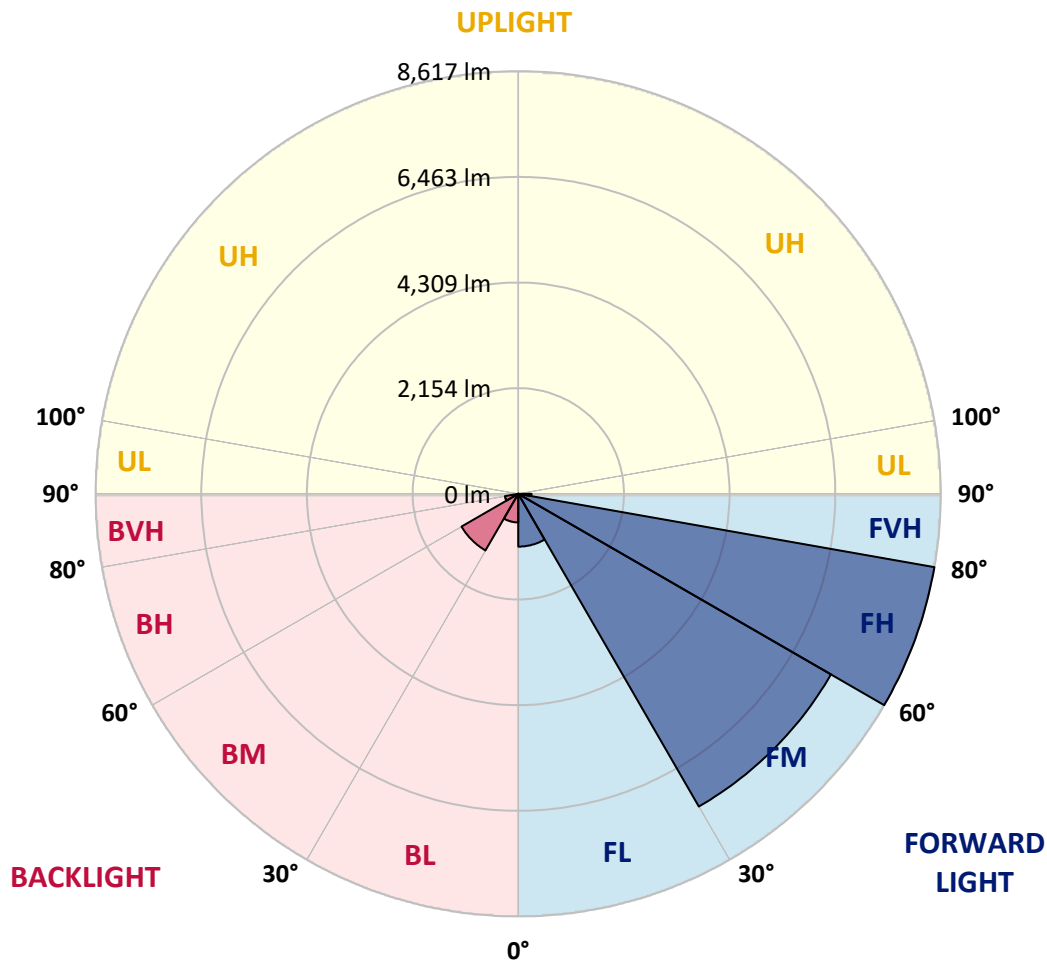
REPORT NUMBER: P852922
 CATALOG NUMBER: GLAN-SB7B-927-U-T4FT-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1076.4	5.5			
FM (30°-60°)	7363.2	37.7			
FH (60°-80°)	8617.1	44.1			G4/12000
FVH (80°-90°)	271.7	1.4			G3/500
BL (0°-30°)	583.9	3.0	B2/1000		
BM (30°-60°)	1334.1	6.8	B2/2500		
BH (60°-80°)	275.8	1.4	B1/500		G1/500
BVH (80°-90°)	3.8	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: P852922
 CATALOG NUMBER: GLAN-SB7B-927-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	2830.0	2830.0	2830.0	2830.0	2830.0	2830.0	2830.0	2830.0	2830.0	2830.0
2.5°	2704.1	2727.0	2731.3	2738.4	2738.4	2747.0	2761.3	2781.3	2814.2	2831.4
5°	2492.3	2509.5	2531.0	2548.1	2581.0	2585.3	2641.1	2695.5	2771.3	2828.5
7.5°	2279.1	2299.2	2327.8	2369.3	2412.2	2425.1	2509.5	2601.1	2721.2	2828.5
10°	2128.9	2130.3	2156.1	2197.6	2266.3	2282.0	2385.0	2515.2	2665.4	2811.4
12.5°	2044.5	2054.5	2066.0	2097.4	2163.3	2173.3	2283.4	2436.5	2609.6	2801.4
15°	2044.5	2051.7	2058.8	2074.5	2127.5	2136.1	2233.4	2386.4	2581.0	2805.6
17.5°	2066.0	2077.4	2071.7	2090.3	2146.1	2151.8	2237.7	2372.1	2579.6	2832.8
20°	2117.5	2126.1	2114.6	2126.1	2181.9	2193.3	2282.0	2399.3	2603.9	2880.0
22.5°	2199.0	2203.3	2176.1	2184.7	2241.9	2256.3	2359.3	2476.6	2662.6	2955.9
25°	2302.0	2310.6	2269.1	2279.1	2333.5	2350.7	2469.4	2592.5	2755.6	3060.3
27.5°	2420.8	2425.1	2389.3	2387.9	2458.0	2482.3	2602.5	2735.5	2880.0	3191.9
30°	2556.7	2569.6	2535.2	2529.5	2618.2	2638.3	2757.0	2911.5	3063.2	3389.4
32.5°	2664.0	2674.0	2654.0	2668.3	2758.4	2774.2	2944.4	3160.5	3350.8	3669.8
35°	2818.5	2824.2	2778.5	2804.2	2907.2	2947.3	3200.5	3509.6	3712.7	4021.8
37.5°	3377.9	3377.9	3183.4	3056.0	3154.7	3190.5	3551.1	3948.8	4159.1	4493.9
40°	4152.0	4139.1	3854.4	3594.0	3581.1	3651.2	4050.4	4502.5	4735.7	5060.5
42.5°	4977.5	4957.5	4569.7	4312.2	4269.3	4293.6	4627.0	5184.9	5422.4	5751.5
45°	5710.0	5704.3	5349.5	5003.2	4926.0	5003.2	5346.6	5983.3	6153.5	6499.8
47.5°	6323.8	6323.8	6064.8	5838.8	5798.7	5844.5	6320.9	6868.9	6853.2	7296.7
50°	7030.6	7024.9	6778.8	6681.5	6723.0	6787.4	7442.6	7801.7	7577.1	8079.3
52.5°	7525.6	7559.9	7475.5	7459.8	7671.5	7783.1	8581.5	8714.5	8225.2	8821.8
55°	7917.6	7957.7	8055.0	8165.1	8572.9	8718.8	9684.6	9580.1	8767.5	9465.7
57.5°	8472.7	8415.5	8565.7	8783.2	9442.8	9618.8	10753.3	10397.1	9203.8	9987.9
60°	9146.6	9155.2	9181.0	9455.7	10311.2	10537.3	11806.3	11169.7	9484.3	10308.4
62.5°	9956.4	9969.3	10022.2	10444.3	11477.3	11690.4	12928.0	11802.0	9613.0	10218.2
65°	9900.6	9955.0	10545.9	11989.5	13249.9	13460.3	14237.1	12245.6	9418.5	9394.1
67.5°	9019.3	9108.0	10096.6	13835.1	15922.5	16157.2	15819.5	12332.8	8578.6	7305.3
70°	7863.3	7894.7	9083.7	15494.7	19017.2	19254.7	17235.9	11372.8	6509.8	4074.7
72.5°	6140.7	6147.8	7542.8	15879.6	20696.9	20709.7	16124.3	8442.7	3501.0	1565.2
75°	4386.6	4343.7	5051.9	12877.9	18208.8	18354.8	12088.2	3960.2	1337.7	739.7
77.5°	2352.1	2399.3	2858.6	7637.2	12578.9	12827.9	6595.6	1141.7	681.0	503.6
80°	726.8	766.9	1171.8	3496.7	7125.0	7275.2	2445.1	507.9	475.0	359.1
82.5°	228.9	237.5	546.5	1469.4	2957.3	3026.0	708.2	287.6	324.8	237.5
85°	65.8	67.2	243.2	548.0	731.1	745.4	198.9	111.6	186.0	147.4
87.5°	7.2	22.9	91.6	91.6	64.4	63.0	21.5	24.3	52.9	18.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P852922
 CATALOG NUMBER: GLAN-SB7B-927-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2830.0	0°	2830.0	2830.0	2830.0	2830.0	2830.0	2830.0	2830.0	2830.0	2830.0	2830.0
2842.8	2.5°	2835.7	2837.1	2818.5	2787.1	2752.7	2724.1	2688.3	2659.7	2639.7	2634.0
2868.6	5°	2855.7	2845.7	2792.8	2696.9	2582.5	2483.7	2373.6	2286.3	2229.1	2204.7
2895.8	7.5°	2885.8	2857.2	2741.3	2552.4	2333.5	2138.9	1941.5	1788.4	1691.1	1642.5
2921.5	10°	2911.5	2854.3	2655.4	2343.5	2008.7	1714.0	1447.9	1263.3	1160.3	1111.7
2951.6	12.5°	2935.8	2852.9	2543.8	2096.0	1642.5	1281.9	1034.4	942.8	914.2	904.2
3000.2	15°	2981.6	2857.2	2403.6	1812.7	1277.6	968.6	878.5	877.0	882.8	879.9
3074.6	17.5°	3044.6	2861.4	2244.8	1512.3	985.8	854.1	849.9	862.7	871.3	867.0
3167.6	20°	3126.1	2878.6	2076.0	1214.7	847.0	825.5	835.5	847.0	854.1	847.0
3292.1	22.5°	3240.6	2908.7	1891.4	975.8	802.6	808.4	816.9	829.8	837.0	827.0
3450.9	25°	3380.8	2955.9	1709.7	848.4	781.2	788.3	801.2	815.5	824.1	814.1
3651.2	27.5°	3562.5	3031.7	1542.3	819.8	759.7	764.0	782.6	804.1	815.5	802.6
3935.9	30°	3825.8	3156.2	1397.8	832.7	746.8	736.8	762.6	792.6	805.5	794.1
4323.6	32.5°	4174.9	3332.2	1309.1	852.7	741.1	705.3	729.7	768.3	789.8	782.6
4830.1	35°	4632.7	3599.7	1274.8	875.6	736.8	672.4	689.6	731.1	768.3	775.5
5468.2	37.5°	5187.8	3971.7	1284.8	885.6	723.9	645.3	653.8	689.6	738.3	761.1
6186.5	40°	5818.8	4405.2	1342.0	875.6	709.6	622.4	623.8	651.0	693.9	728.2
6959.0	42.5°	6469.7	4911.7	1447.9	838.4	696.8	602.3	598.0	616.6	645.3	669.6
7730.2	45°	7089.2	5432.5	1552.3	786.9	681.0	582.3	572.3	579.4	585.2	595.2
8481.3	47.5°	7630.1	5798.7	1522.3	739.7	659.6	559.4	542.2	539.4	522.2	520.8
9152.3	50°	8003.5	5878.8	1352.0	692.5	628.1	533.7	506.5	489.3	459.3	445.0
9654.5	52.5°	8122.2	5562.7	1104.5	645.3	576.6	499.3	460.7	433.5	396.3	383.4
9943.5	55°	7964.8	4943.2	882.8	588.0	505.0	453.5	410.6	374.8	344.8	329.1
9975.0	57.5°	7580.0	4154.8	698.2	520.8	429.2	402.0	359.1	323.3	297.6	281.9
9625.9	60°	6941.9	3299.2	552.3	440.7	366.3	346.2	301.9	279.0	256.1	237.5
8724.6	62.5°	5973.3	2355.0	433.5	349.1	306.2	283.3	257.5	240.4	213.2	187.4
7103.5	65°	4661.3	1440.7	334.8	256.1	246.1	234.6	218.9	203.2	170.3	144.5
4634.1	67.5°	2940.1	682.5	238.9	193.1	194.6	188.9	181.7	168.8	144.5	121.6
2076.0	70°	1294.8	330.5	157.4	147.4	144.5	144.5	150.2	145.9	123.0	101.6
721.1	72.5°	440.7	177.4	117.3	111.6	104.4	103.0	125.9	121.6	98.7	78.7
359.1	75°	230.3	118.8	85.8	80.1	63.0	75.8	100.2	94.4	70.1	51.5
237.5	77.5°	150.2	84.4	58.7	51.5	35.8	50.1	74.4	65.8	41.5	25.8
155.9	80°	94.4	55.8	34.3	24.3	17.2	27.2	40.1	28.6	15.7	5.7
91.6	82.5°	50.1	28.6	12.9	8.6	7.2	8.6	10.0	7.2	2.9	0.0
47.2	85°	20.0	10.0	4.3	2.9	1.4	0.0	2.9	1.4	0.0	0.0
8.6	87.5°	7.2	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/>
2830.0
2644.0
2213.3
1649.6
1113.1
901.4
878.5
865.6
845.6
825.5
812.7
802.6
792.6
782.6
775.5
766.9
739.7
679.6
600.9
519.4
446.4
382.0
329.1
279.0
233.2
183.1
140.2
118.8
97.3
74.4
47.2
22.9
4.3
0.0
0.0
0.0
0.0

F REPORT)