

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: P852495

Luminaire Tested: **GLAN-SB4B-730-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852495
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4B-730-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21547 lumens
Efficiency: N/A
Efficacy: 146.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

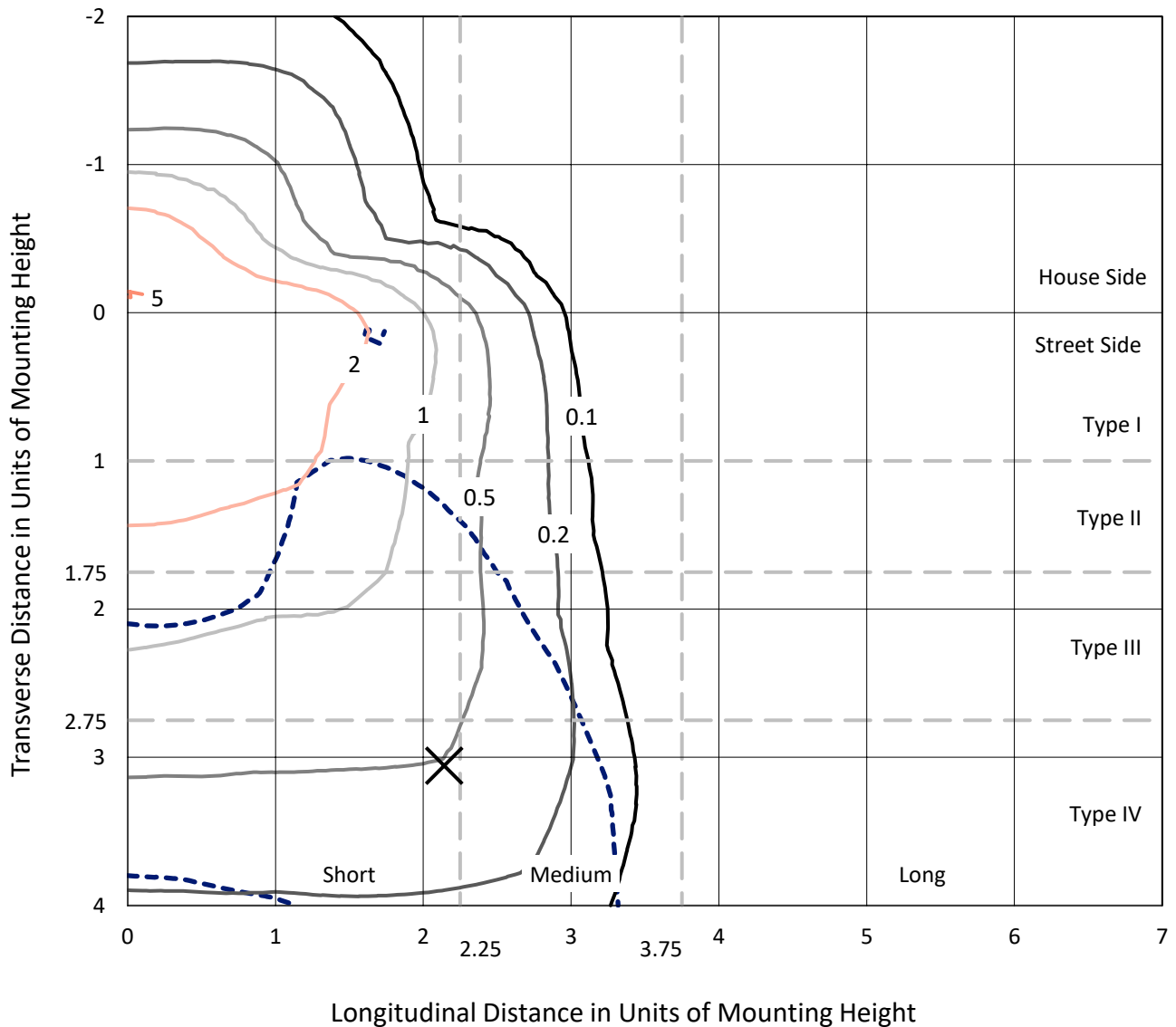
Input Watts (W): 147
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P852495
 CATALOG NUMBER: GLAN-SB4B-730-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination

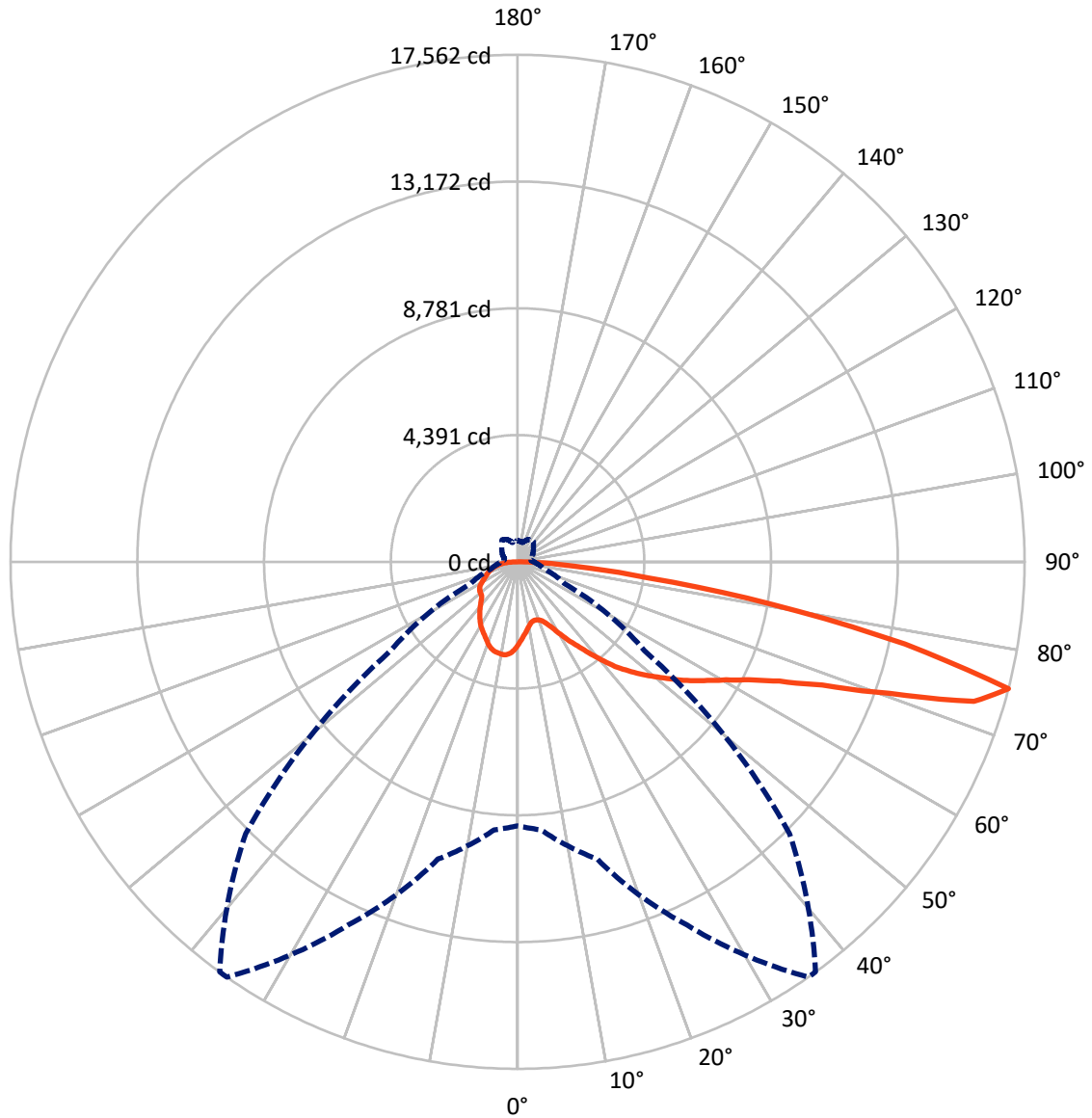
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc
 Type IV - Short - N/A

REPORT NUMBER: P852495
CATALOG NUMBER: GLAN-SB4B-730-U-T4FT

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P852495
 CATALOG NUMBER: GLAN-SB4B-730-U-T4FT

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5127.6	0.0	5127.6
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	16419.4	0.0	16419.4
	% Fixture	76.2	0.0	76.2
Total	Lumens	21547.0	0.0	21547.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	271.9	1.3
10°-20°	784.1	3.6
20°-30°	1316.8	6.1
30°-40°	2046.5	9.5
40°-50°	3037.5	14.1
50°-60°	4193.4	19.5
60°-70°	5087.6	23.6
70°-80°	4204.5	19.5
80°-90°	604.7	2.8
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°	21547.0	100.0
0°-180°	21547.0	100.0

Coefficient of Utilization



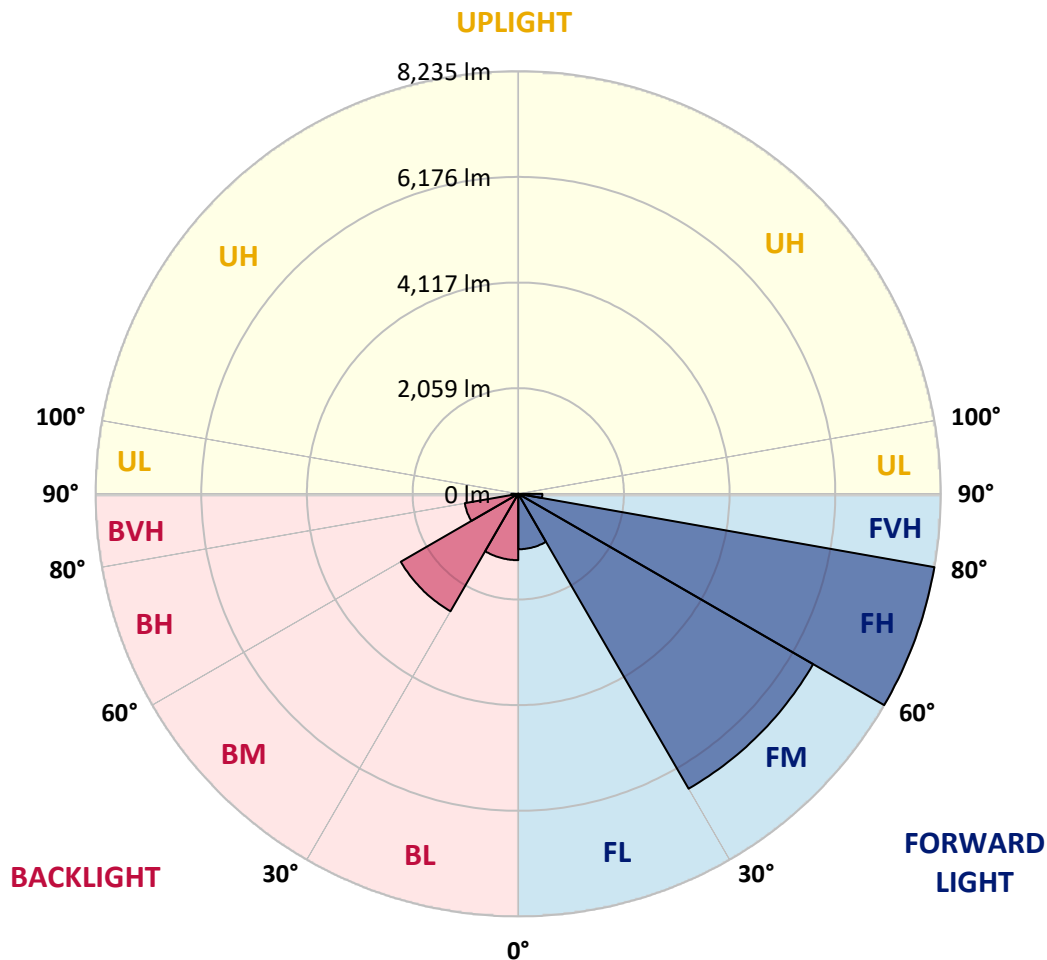
REPORT NUMBER: P852495
 CATALOG NUMBER: GLAN-SB4B-730-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1080.5	5.0			
FM (30°-60°)	6635.3	30.8			
FH (60°-80°)	8234.9	38.2			G4/12000
FVH (80°-90°)	468.6	2.2			G3/500
BL (0°-30°)	1292.2	6.0	B3/2500		
BM (30°-60°)	2642.1	12.3	B3/5000		
BH (60°-80°)	1057.2	4.9	B3/2500		G3/2500
BVH (80°-90°)	136.2	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 IV Short



REPORT NUMBER: P852495
 CATALOG NUMBER: GLAN-SB4B-730-U-T4FT

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	2871.3	2871.3	2871.3	2871.3	2871.3	2871.3	2871.3	2871.3	2871.3	2871.3
2.5°	2647.6	2663.9	2670.9	2667.4	2684.9	2682.6	2707.0	2737.3	2779.3	2820.0
5°	2443.8	2461.3	2476.4	2490.4	2524.2	2534.7	2573.1	2631.3	2708.2	2786.3
7.5°	2253.9	2269.1	2292.4	2318.0	2375.1	2385.6	2449.6	2540.5	2647.6	2761.8
10°	2099.0	2114.1	2138.6	2167.7	2238.8	2251.6	2333.1	2454.3	2594.1	2738.5
12.5°	2032.6	2037.3	2051.2	2080.4	2142.1	2150.3	2240.0	2378.6	2541.6	2721.0
15°	2029.1	2038.4	2039.6	2054.7	2106.0	2109.5	2192.2	2329.6	2509.0	2717.5
17.5°	2064.1	2071.1	2060.6	2069.9	2113.0	2118.8	2184.0	2306.3	2498.5	2732.7
20°	2157.2	2163.1	2131.6	2118.8	2150.3	2154.9	2219.0	2321.5	2509.0	2764.1
22.5°	2355.3	2358.8	2281.9	2229.5	2231.8	2234.1	2290.0	2383.2	2549.8	2821.2
25°	2663.9	2661.6	2539.3	2438.0	2379.7	2366.9	2404.2	2483.4	2618.5	2896.9
27.5°	3025.0	3007.6	2885.3	2733.8	2606.9	2588.2	2580.1	2613.9	2716.4	2997.1
30°	3432.7	3416.4	3284.8	3086.8	2910.9	2880.6	2803.7	2786.3	2862.0	3133.4
32.5°	3880.0	3869.5	3712.3	3472.3	3237.0	3202.1	3072.8	3026.2	3085.6	3339.5
35°	4255.1	4245.8	4115.3	3868.4	3580.7	3537.6	3405.9	3353.5	3383.8	3604.0
37.5°	4594.1	4589.4	4477.6	4283.0	3986.0	3933.6	3785.7	3768.2	3762.4	3952.2
40°	4908.6	4896.9	4780.4	4677.9	4457.8	4410.0	4279.6	4264.4	4220.1	4380.9
42.5°	5256.8	5226.6	5057.7	5009.9	4950.5	4910.9	4832.8	4835.2	4737.3	4864.3
45°	5541.1	5523.6	5350.0	5322.1	5386.1	5369.8	5437.4	5454.9	5265.0	5371.0
47.5°	5846.2	5829.9	5683.2	5663.4	5836.9	5841.6	6080.4	6086.2	5779.8	5897.5
50°	6222.5	6199.2	6053.6	6078.0	6272.6	6290.0	6726.8	6687.2	6253.9	6432.1
52.5°	6470.6	6484.6	6453.1	6492.7	6758.3	6774.6	7362.8	7261.5	6723.3	6959.8
55°	6653.5	6681.4	6779.3	6870.1	7270.8	7287.1	7962.7	7807.8	7112.4	7449.0
57.5°	6888.8	6849.1	7032.0	7209.1	7757.7	7800.8	8546.3	8334.3	7457.2	7870.7
60°	7226.5	7198.6	7340.7	7602.8	8302.8	8371.6	9163.6	8808.4	7709.9	8205.0
62.5°	7911.5	7841.6	7863.7	8095.5	8990.1	9080.9	9860.2	9221.9	7835.8	8335.5
65°	8935.3	8815.4	8703.5	8864.3	9958.1	10047.7	10646.5	9546.9	7789.2	8082.7
67.5°	10224.8	10106.0	9968.5	10120.0	11383.8	11454.8	11616.8	9729.7	7422.2	7108.9
70°	11288.3	11244.0	11408.3	12031.4	13661.0	13663.3	12860.8	9578.3	6417.0	5040.2
72.5°	11147.3	11120.5	11986.0	13912.6	16531.1	16469.4	14038.4	8432.1	4322.7	2273.7
75°	9145.0	9318.6	10659.3	13878.8	17562.0	17553.9	13317.4	5360.5	1788.0	942.3
77.5°	4903.9	5178.8	6920.2	10246.9	13709.9	13916.1	9362.8	1875.4	767.6	603.4
80°	1599.3	1839.3	2758.3	5217.2	8908.6	8870.1	4012.8	736.2	525.3	427.5
82.5°	679.1	707.0	1232.4	2463.6	4571.9	4500.9	1277.8	422.8	369.2	292.4
85°	265.6	297.0	544.0	1139.2	1980.2	1937.1	461.3	209.7	236.5	191.0
87.5°	87.4	106.0	194.5	390.2	616.2	594.1	113.0	72.2	102.5	87.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P852495
 CATALOG NUMBER: GLAN-SB4B-730-U-T4FT

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2871.3	0°	2871.3	2871.3	2871.3	2871.3	2871.3	2871.3	2871.3	2871.3	2871.3	2871.3
2879.4	2.5°	2895.7	2914.4	2936.5	2969.1	2997.1	3020.4	3044.8	3060.0	3065.8	3083.3
2884.1	5°	2916.7	2957.5	3012.2	3065.8	3118.2	3149.7	3177.6	3191.6	3204.4	3213.7
2896.9	7.5°	2951.7	3004.1	3090.3	3160.2	3204.4	3230.0	3248.7	3244.0	3248.7	3251.0
2910.9	10°	2981.9	3055.3	3157.8	3224.2	3258.0	3259.2	3254.5	3238.2	3230.0	3231.2
2931.9	12.5°	3018.1	3099.6	3210.2	3266.2	3275.5	3249.9	3230.0	3202.1	3191.6	3186.9
2963.3	15°	3067.0	3160.2	3267.3	3288.3	3265.0	3232.4	3198.6	3153.2	3129.9	3111.2
3016.9	17.5°	3126.4	3228.9	3311.6	3296.4	3246.4	3192.8	3138.0	3069.3	3021.5	3001.7
3090.3	20°	3209.1	3301.1	3345.4	3279.0	3203.3	3121.7	3028.5	2944.7	2900.4	2880.6
3183.5	22.5°	3309.3	3397.8	3378.0	3248.7	3141.5	3011.1	2894.6	2832.8	2810.7	2796.7
3303.4	25°	3429.2	3504.9	3401.3	3204.4	3040.2	2864.3	2774.6	2754.8	2744.3	2733.8
3450.2	27.5°	3585.3	3626.1	3418.7	3139.2	2881.8	2708.2	2675.6	2679.1	2675.6	2658.1
3654.0	30°	3791.5	3783.3	3435.1	3033.2	2700.1	2567.3	2569.6	2584.7	2587.1	2575.4
3938.3	32.5°	4062.9	3980.2	3443.2	2895.7	2526.5	2443.8	2446.1	2462.4	2474.1	2454.3
4309.8	35°	4391.4	4209.7	3430.4	2723.4	2392.5	2326.1	2308.7	2313.3	2316.8	2298.2
4760.6	37.5°	4774.6	4467.1	3373.3	2532.3	2281.9	2210.8	2173.6	2142.1	2123.5	2106.0
5270.8	40°	5195.1	4747.8	3268.5	2345.9	2158.4	2088.5	2032.6	1973.2	1910.3	1887.0
5811.3	42.5°	5635.4	5036.7	3141.5	2167.7	2016.3	1959.2	1899.8	1813.6	1719.3	1671.5
6372.7	45°	6092.0	5332.6	3016.9	1991.8	1870.7	1846.2	1777.5	1673.8	1571.3	1510.8
6935.3	47.5°	6539.3	5612.1	2834.0	1814.8	1734.4	1761.2	1707.6	1612.1	1498.0	1402.4
7493.3	50°	6966.8	5874.2	2534.7	1635.4	1623.8	1735.6	1684.3	1546.9	1416.4	1294.1
8040.8	52.5°	7390.8	6086.2	2151.4	1472.3	1564.4	1728.6	1654.0	1502.6	1343.0	1214.9
8555.6	55°	7750.7	6195.7	1782.2	1332.6	1478.2	1669.2	1617.9	1450.2	1239.4	1103.1
8908.6	57.5°	7955.7	6107.2	1474.7	1195.1	1359.3	1571.3	1556.2	1338.4	1115.9	1011.1
8977.3	60°	7867.2	5748.4	1223.1	1075.1	1246.4	1465.3	1449.0	1227.7	1021.5	922.5
8609.2	62.5°	7379.1	5064.6	1023.9	970.3	1143.9	1357.0	1341.9	1142.7	949.3	853.8
7631.9	65°	6396.0	4120.0	869.0	882.9	1040.2	1226.6	1248.7	1071.6	892.3	799.1
5904.5	67.5°	4878.3	2984.3	747.8	807.2	938.8	1098.4	1162.5	1020.4	844.5	756.0
3416.4	70°	2780.4	1694.8	645.3	733.8	849.2	979.6	1096.1	979.6	793.2	719.9
1280.1	72.5°	1054.2	778.1	557.9	660.5	763.0	879.4	1022.7	915.5	733.8	679.1
661.6	75°	562.6	474.1	469.4	574.3	663.9	781.6	930.7	852.6	689.6	717.5
457.8	77.5°	383.2	335.5	392.5	491.6	555.6	673.3	832.8	757.1	597.6	595.2
316.8	80°	265.6	237.6	319.2	396.0	429.8	566.1	726.8	650.0	486.9	454.3
195.7	82.5°	159.6	154.9	238.8	295.9	304.0	436.8	602.2	545.1	398.4	347.1
116.5	85°	87.4	92.0	152.6	173.6	177.1	305.2	471.8	421.7	306.3	257.4
41.9	87.5°	24.5	31.5	55.9	68.7	85.0	158.4	280.7	250.4	153.8	107.2
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°
2871.3
3082.1
3216.1
3254.5
3233.5
3184.6
3117.1
3002.9
2878.3
2799.1
2733.8
2661.6
2581.2
2463.6
2311.0
2117.6
1897.5
1677.3
1506.1
1392.0
1283.6
1200.9
1091.4
997.1
908.6
838.7
783.9
742.0
710.5
669.8
740.8
548.6
434.5
349.4
259.8
107.2
0.0

F REPORT)