

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: P846467

Luminaire Tested: **GLAN-SB2A-835-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846467  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2A-835-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

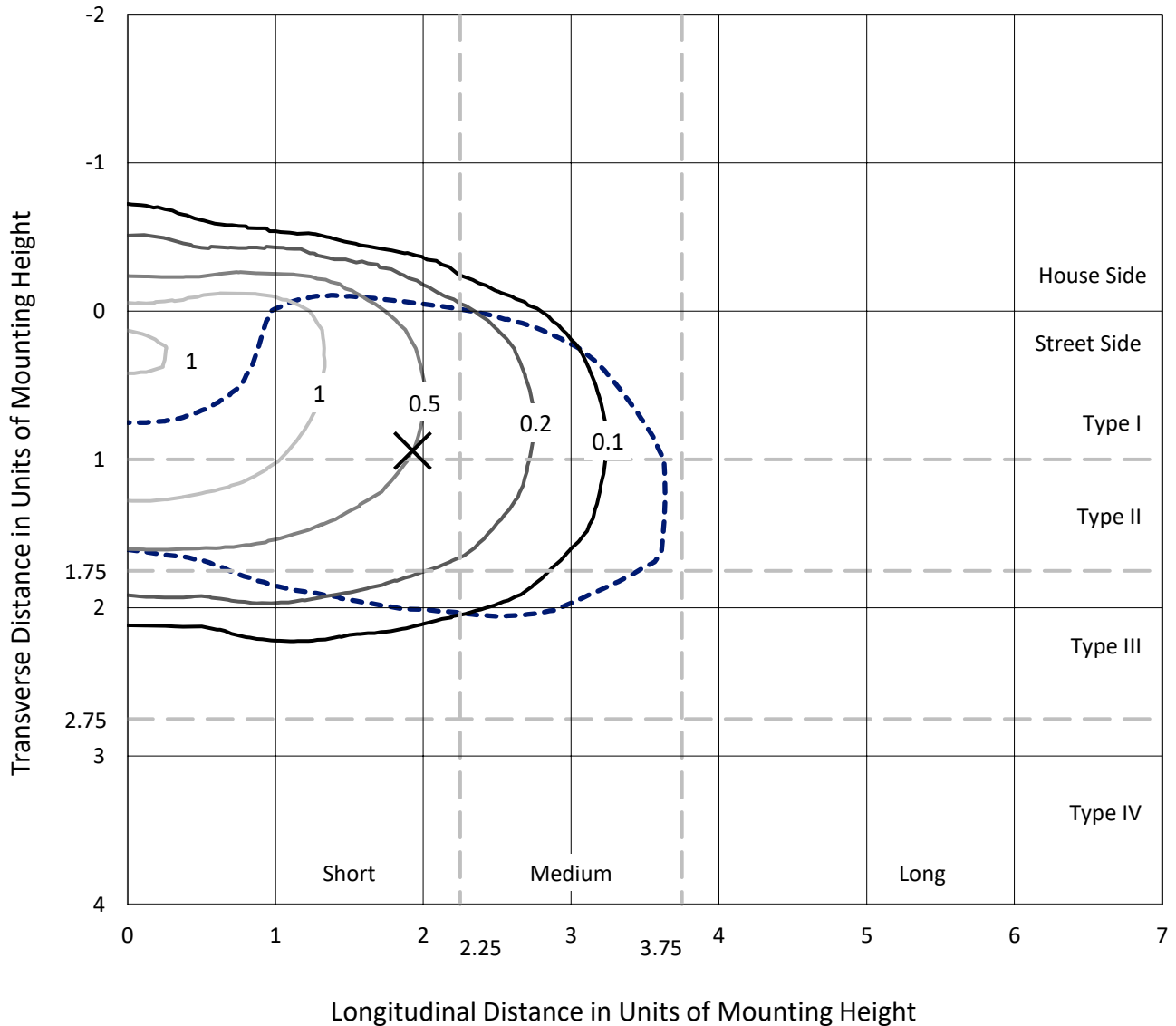
Lumens per Lamp: N/A  
Luminaire Lumens: 5825 lumens  
Efficiency: N/A  
Efficacy: 101.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 57.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
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: P846467  
 CATALOG NUMBER: GLAN-SB2A-835-U-T3-HSS

### Iso-Footcandle Lines of Horizontal Illumination

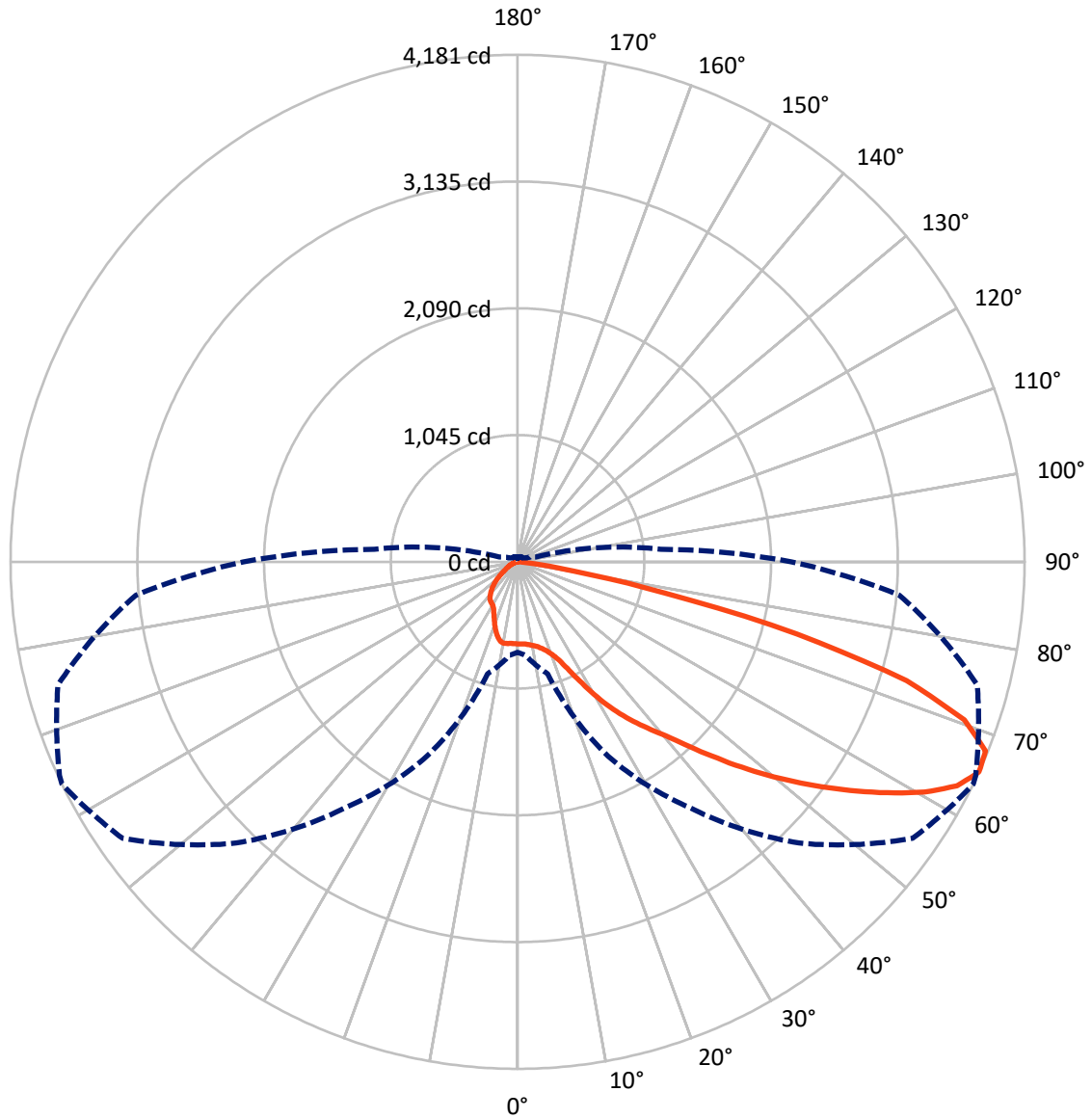
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc  
 Type III - Short - N/A

REPORT NUMBER: P846467  
CATALOG NUMBER: GLAN-SB2A-835-U-T3-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P846467  
 CATALOG NUMBER: GLAN-SB2A-835-U-T3-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	779.0	0.0	779.0
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	5046.0	0.0	5046.0
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	5825.0	0.0	5825.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	62.5	1.1
10°-20°	169.5	2.9
20°-30°	321.3	5.5
30°-40°	650.1	11.2
40°-50°	1107.4	19.0
50°-60°	1506.0	25.9
60°-70°	1414.2	24.3
70°-80°	566.6	9.7
80°-90°	27.4	0.5
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°	5825.0	100.0
0°-180°	5825.0	100.0

**Coefficient of Utilization**



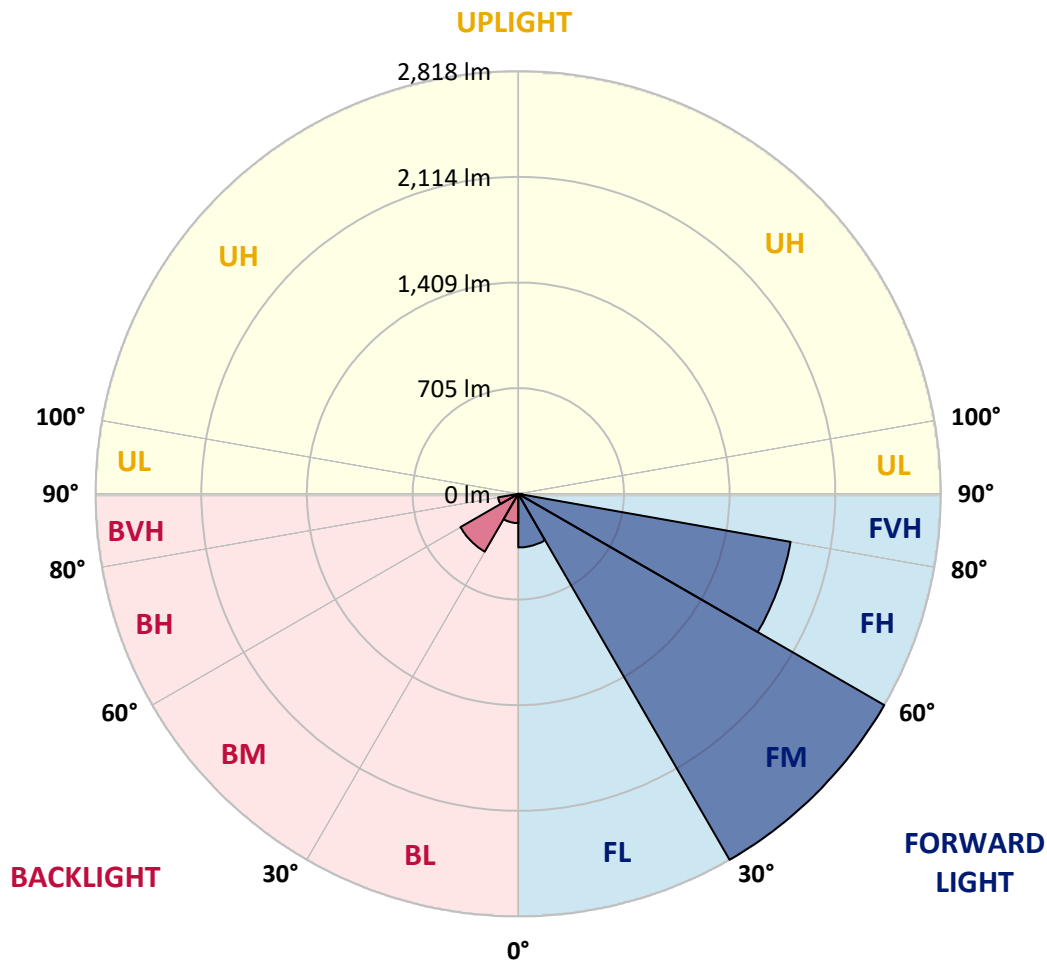
REPORT NUMBER: P846467  
 CATALOG NUMBER: GLAN-SB2A-835-U-T3-HSS

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	357.7	6.1			
FM (30°-60°)	2818.1	48.4			
FH (60°-80°)	1844.1	31.7			G2/5000
FVH (80°-90°)	26.1	0.4			G1/100
BL (0°-30°)	195.6	3.4	B1/500		
BM (30°-60°)	445.3	7.6	B1/1000		
BH (60°-80°)	136.7	2.3	B1/500		G1/500
BVH (80°-90°)	1.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type III Short



REPORT NUMBER: P846467  
 CATALOG NUMBER: GLAN-SB2A-835-U-T3-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	677.5	677.5	677.5	677.5	677.5	677.5	677.5	677.5	677.5	677.5
2.5°	675.2	679.9	678.7	677.5	677.1	677.9	678.3	677.9	677.9	677.9
5°	662.3	666.2	666.2	668.9	672.8	677.5	681.0	681.8	682.6	683.8
7.5°	637.7	640.8	643.1	652.1	661.9	674.4	684.9	690.4	691.2	695.5
10°	620.9	624.8	628.7	638.1	652.1	670.9	688.8	702.1	704.1	714.2
12.5°	620.1	624.0	629.1	639.2	655.6	675.6	697.4	716.6	720.1	734.9
15°	628.3	633.0	637.7	650.2	667.7	692.0	715.4	739.2	742.7	763.8
17.5°	645.1	651.3	654.9	667.4	686.1	713.0	743.9	771.2	774.4	799.0
20°	678.3	685.7	686.9	697.0	715.4	744.3	781.0	815.0	818.9	847.0
22.5°	747.0	757.6	748.2	753.3	769.7	798.6	838.4	881.3	886.8	918.8
25°	868.1	882.9	858.7	850.1	857.1	887.2	937.2	991.5	997.7	1023.5
27.5°	1105.9	1086.7	1050.0	1014.1	993.0	1010.2	1066.4	1133.6	1141.4	1166.4
30°	1367.1	1350.3	1300.7	1221.1	1171.1	1168.4	1220.3	1295.3	1304.3	1328.1
32.5°	1628.8	1612.7	1558.9	1460.8	1374.2	1331.2	1367.1	1450.3	1455.0	1470.2
35°	1886.1	1869.7	1815.8	1715.4	1608.8	1511.2	1504.2	1597.9	1599.5	1615.5
37.5°	2145.0	2131.3	2073.9	1975.5	1870.5	1735.7	1670.5	1737.7	1739.7	1755.3
40°	2329.7	2335.5	2296.1	2220.0	2129.8	1982.5	1857.2	1886.5	1874.8	1900.9
42.5°	2488.2	2499.9	2465.6	2427.3	2375.0	2245.3	2088.4	2083.3	2064.5	2078.6
45°	2625.3	2635.1	2604.2	2595.2	2594.1	2503.1	2341.0	2310.6	2284.4	2281.7
47.5°	2675.7	2694.4	2707.7	2737.8	2796.3	2758.1	2602.3	2555.0	2525.7	2504.2
50°	2694.8	2714.7	2760.0	2847.5	2986.1	3002.5	2862.3	2809.2	2773.3	2734.2
52.5°	2669.0	2704.6	2765.5	2912.7	3113.8	3198.5	3111.9	3065.4	3024.4	2960.7
55°	2517.1	2552.7	2677.2	2911.9	3177.5	3336.0	3347.7	3327.0	3280.9	3180.6
57.5°	2196.9	2249.6	2446.8	2812.7	3176.3	3454.3	3578.9	3593.7	3542.2	3398.5
60°	1753.3	1824.8	2065.3	2592.9	3078.3	3518.4	3781.5	3855.7	3801.1	3613.2
62.5°	1223.4	1306.2	1533.9	2248.5	2854.1	3472.3	3929.5	4066.6	4025.2	3805.4
65°	746.2	772.8	956.3	1769.3	2473.0	3279.4	3975.2	4180.6	4167.0	3922.9
67.5°	497.1	519.4	572.1	1213.3	1919.7	2894.0	3865.9	4160.7	4164.6	3903.8
70°	299.5	318.6	353.0	705.6	1244.1	2290.6	3527.3	3906.9	3929.5	3648.0
72.5°	123.4	136.3	167.5	319.8	644.3	1453.8	2808.8	3354.3	3407.1	3067.3
75°	69.9	76.5	98.4	160.5	279.6	677.5	1701.4	2381.2	2458.9	2114.1
77.5°	46.5	49.6	63.7	103.9	157.4	231.2	727.1	1240.6	1389.0	1154.7
80°	31.2	34.0	43.7	69.5	102.3	99.2	231.6	459.6	565.4	396.7
82.5°	21.1	21.5	31.2	45.7	64.8	48.0	68.3	142.9	179.6	114.8
85°	12.1	11.7	23.0	26.6	28.9	19.9	20.7	43.0	56.2	48.4
87.5°	1.6	2.3	9.0	7.0	3.9	4.3	4.3	7.4	10.9	11.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P846467  
 CATALOG NUMBER: GLAN-SB2A-835-U-T3-HSS

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
677.5	0°	677.5	677.5	677.5	677.5	677.5	677.5	677.5	677.5	677.5	677.5
678.3	2.5°	678.3	677.9	676.7	675.6	672.8	671.3	672.0	671.3	670.9	671.3
683.4	5°	683.4	682.2	679.1	675.2	669.7	663.1	658.8	652.5	646.7	643.1
697.0	7.5°	697.0	695.9	691.6	680.6	663.1	635.3	610.0	587.7	570.9	561.1
718.9	10°	718.9	716.9	710.3	686.1	640.0	579.5	529.1	487.3	460.0	447.1
744.7	12.5°	744.7	742.3	730.6	681.0	596.3	501.8	432.3	385.8	360.4	349.1
774.4	15°	775.1	772.0	749.0	656.8	532.6	415.9	352.2	317.5	301.1	290.9
812.2	17.5°	813.0	807.5	762.6	620.5	463.5	350.3	303.0	276.9	262.4	252.6
861.8	20°	862.2	853.2	773.6	577.2	399.9	308.9	269.8	248.0	237.0	228.4
932.1	22.5°	930.9	918.1	786.8	530.3	355.0	280.4	245.2	229.2	220.2	210.5
1030.1	25°	1016.1	1000.8	803.2	486.9	324.1	255.8	227.3	214.0	203.4	192.1
1158.6	27.5°	1135.2	1107.8	822.8	451.4	297.6	234.7	210.9	196.0	183.9	174.6
1304.3	30°	1267.9	1223.0	840.0	429.9	273.3	215.2	189.4	174.6	163.2	156.6
1435.1	32.5°	1393.7	1332.8	851.3	420.6	251.5	192.9	166.0	149.9	141.4	139.4
1563.1	35°	1512.4	1431.9	850.1	411.6	232.0	170.6	142.9	126.5	119.9	121.1
1701.0	37.5°	1649.1	1537.8	841.9	397.5	215.9	150.3	123.0	108.6	102.7	103.1
1868.5	40°	1808.0	1660.0	836.8	371.0	198.4	131.6	106.6	94.9	90.6	89.0
2045.0	42.5°	1977.5	1778.3	837.6	340.9	176.5	114.8	95.3	85.5	81.6	80.4
2241.4	45°	2147.7	1891.2	838.8	309.7	153.5	101.9	87.1	78.9	76.5	75.0
2440.6	47.5°	2307.8	1987.2	816.9	276.1	130.8	92.2	80.4	75.0	73.0	71.1
2640.5	50°	2457.0	2051.3	764.2	237.0	112.9	84.3	75.4	71.5	69.5	67.6
2821.7	52.5°	2573.0	2061.4	677.1	196.8	100.4	78.5	72.2	68.7	66.4	64.4
2968.1	55°	2624.5	1997.8	553.3	159.3	90.6	73.4	69.1	65.6	62.9	60.9
3083.3	57.5°	2611.2	1863.8	431.5	128.1	81.2	68.3	65.2	62.9	59.7	56.6
3176.7	60°	2546.0	1684.6	325.3	106.6	72.6	62.9	60.9	59.0	54.7	50.0
3212.6	62.5°	2433.2	1459.3	232.0	88.3	63.3	56.6	55.8	54.3	48.0	39.4
3159.5	65°	2260.6	1185.5	156.2	73.4	54.3	49.6	50.0	47.2	39.0	29.3
2965.0	67.5°	2008.3	866.9	100.0	60.1	45.3	41.4	41.8	40.2	33.2	25.0
2596.4	70°	1686.9	574.0	65.2	45.7	36.3	32.0	34.4	34.8	28.1	20.3
1992.7	72.5°	1236.7	338.9	45.7	34.0	26.6	22.3	28.1	28.9	22.6	15.2
1198.8	75°	704.8	160.9	34.4	24.6	16.4	15.6	21.9	21.9	15.6	10.2
519.0	77.5°	296.0	67.2	24.2	16.0	9.4	9.0	14.8	13.7	7.8	4.7
126.5	80°	85.5	30.1	12.9	7.8	3.9	3.5	5.9	4.3	2.0	0.8
48.0	82.5°	33.6	13.3	5.1	3.1	1.6	1.6	0.8	0.0	0.0	0.0
27.3	85°	19.9	5.5	2.3	1.2	0.4	0.0	0.0	0.0	0.0	0.0
5.9	87.5°	5.1	1.2	0.8	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/>
677.5
672.8
643.9
561.5
445.9
347.9
291.3
251.9
226.9
208.9
191.0
172.6
155.4
140.6
121.1
104.7
88.6
80.1
75.0
71.1
67.6
64.0
60.5
56.2
49.2
38.7
28.5
23.8
19.5
14.4
9.4
4.7
0.8
0.0
0.0
0.0
0.0

F REPORT)