

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: McGRAW-EDISON

Report Number: P940448

Luminaire Tested: **GALN-SB3C-735-U-T4FT-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940448
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3C-735-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3500K, 615mA 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: 17013 lumens
Efficiency: N/A
Efficacy: 114.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

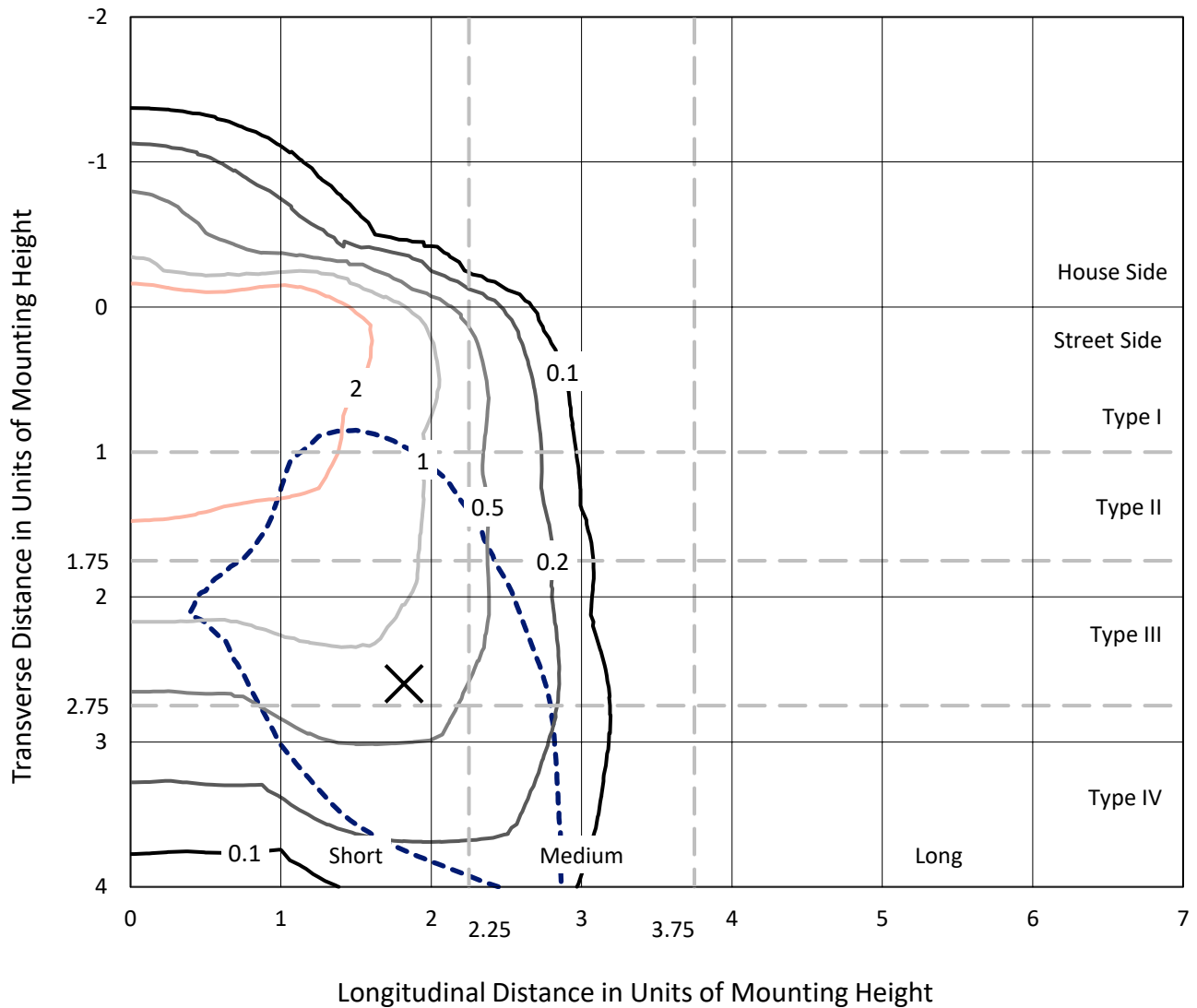
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P940448
 CATALOG NUMBER: GALN-SB3C-735-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination

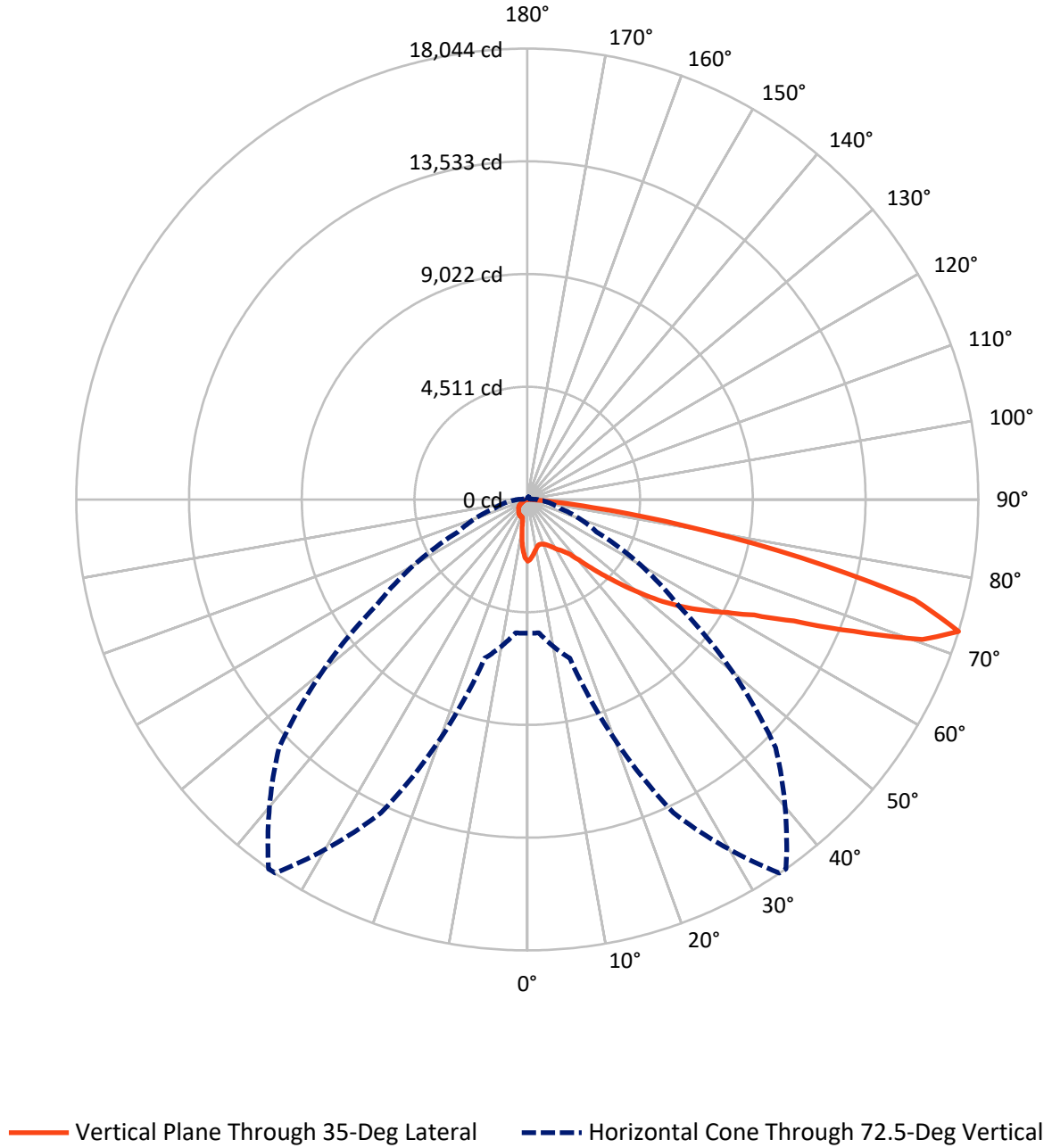
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc
 Type IV - Short - N/A

REPORT NUMBER: P940448
CATALOG NUMBER: GALN-SB3C-735-U-T4FT-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P940448
 CATALOG NUMBER: GALN-SB3C-735-U-T4FT-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1914.7	0.0	1914.7
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	15098.3	0.0	15098.3
	% Fixture	88.7	0.0	88.7
Total	Lumens	17013.0	0.0	17013.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.6	1.2
10°-20°	474.0	2.8
20°-30°	770.0	4.5
30°-40°	1284.7	7.6
40°-50°	2430.8	14.3
50°-60°	3862.5	22.7
60°-70°	4778.2	28.1
70°-80°	2970.1	17.5
80°-90°	240.0	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°	17013.0	100.0
0°-180°	17013.0	100.0

Coefficient of Utilization



REPORT NUMBER: P940448

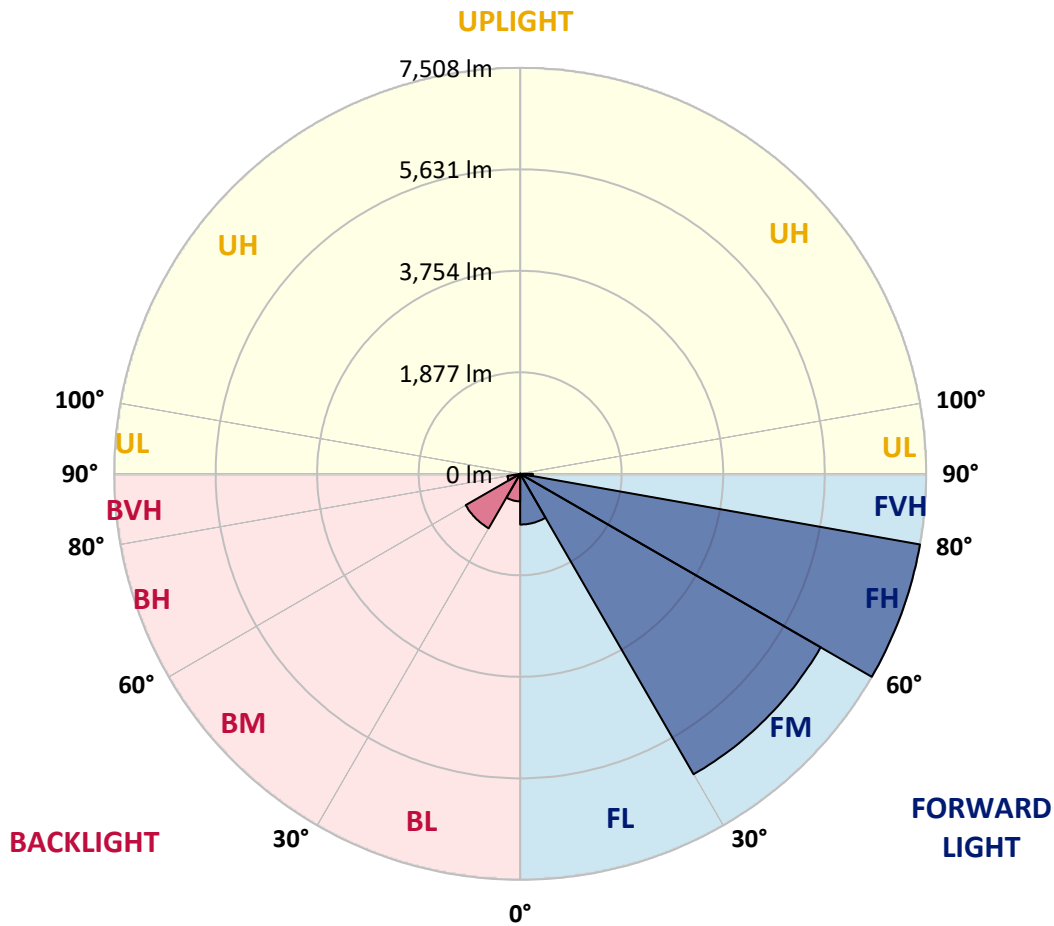
CATALOG NUMBER: GALN-SB3C-735-U-T4FT-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	937.8	5.5			
FM (30°-60°)	6415.6	37.7			
FH (60°-80°)	7508.0	44.1			G4/12000
FVH (80°-90°)	236.8	1.4			G3/500
BL (0°-30°)	508.8	3.0	B2/1000		
BM (30°-60°)	1162.4	6.8	B2/2500		
BH (60°-80°)	240.3	1.4	B1/500		G1/500
BVH (80°-90°)	3.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type IV Short



REPORT NUMBER: P940448

CATALOG NUMBER: GALN-SB3C-735-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	2465.8	2465.8	2465.8	2465.8	2465.8	2465.8	2465.8	2465.8	2465.8	2465.8
2.5°	2356.1	2376.0	2379.7	2386.0	2386.0	2393.5	2405.9	2423.4	2452.0	2467.0
5°	2171.6	2186.5	2205.2	2220.2	2248.8	2252.6	2301.2	2348.6	2414.6	2464.5
7.5°	1985.8	2003.3	2028.2	2064.4	2101.7	2113.0	2186.5	2266.3	2371.0	2464.5
10°	1854.9	1856.2	1878.6	1914.8	1974.6	1988.3	2078.1	2191.5	2322.4	2449.5
12.5°	1781.4	1790.1	1800.1	1827.5	1884.8	1893.6	1989.6	2122.9	2273.8	2440.8
15°	1781.4	1787.6	1793.8	1807.6	1853.7	1861.2	1945.9	2079.3	2248.8	2444.6
17.5°	1800.1	1810.0	1805.1	1821.3	1869.9	1874.9	1949.7	2066.8	2247.6	2468.2
20°	1845.0	1852.4	1842.5	1852.4	1901.0	1911.0	1988.3	2090.5	2268.8	2509.4
22.5°	1916.0	1919.7	1896.1	1903.5	1953.4	1965.9	2055.6	2157.8	2319.9	2575.5
25°	2005.8	2013.2	1977.1	1985.8	2033.2	2048.1	2151.6	2258.8	2400.9	2666.5
27.5°	2109.2	2113.0	2081.8	2080.6	2141.6	2162.8	2267.5	2383.5	2509.4	2781.1
30°	2227.7	2238.9	2209.0	2204.0	2281.3	2298.7	2402.2	2536.8	2668.9	2953.2
32.5°	2321.1	2329.9	2312.4	2324.9	2403.4	2417.1	2565.5	2753.7	2919.5	3197.5
35°	2455.8	2460.8	2420.9	2443.3	2533.1	2568.0	2788.6	3057.9	3234.9	3504.2
37.5°	2943.2	2943.2	2773.7	2662.7	2748.7	2779.9	3094.0	3440.6	3623.8	3915.5
40°	3617.6	3606.4	3358.3	3131.4	3120.2	3181.3	3529.1	3923.0	4126.2	4409.2
42.5°	4336.9	4319.4	3981.6	3757.2	3719.8	3741.0	4031.5	4517.6	4724.6	5011.3
45°	4975.1	4970.2	4661.0	4359.3	4292.0	4359.3	4658.5	5213.2	5361.6	5663.3
47.5°	5509.9	5509.9	5284.3	5087.3	5052.4	5092.3	5507.4	5984.9	5971.2	6357.6
50°	6125.7	6120.8	5906.3	5821.6	5857.7	5913.8	6484.8	6797.7	6601.9	7039.5
52.5°	6557.1	6587.0	6513.4	6499.7	6684.2	6781.4	7477.0	7593.0	7166.6	7686.5
55°	6898.6	6933.5	7018.3	7114.3	7469.6	7596.7	8438.2	8347.2	7639.1	8247.4
57.5°	7382.3	7332.4	7463.3	7652.8	8227.5	8380.8	9369.4	9059.0	8019.3	8702.4
60°	7969.4	7976.9	7999.4	8238.7	8984.2	9181.1	10286.9	9732.1	8263.6	8981.7
62.5°	8675.0	8686.2	8732.4	9100.1	10000.1	10185.9	11264.2	10283.1	8375.8	8903.1
65°	8626.4	8673.8	9188.6	10446.4	11544.7	11727.9	12404.8	10669.6	8206.3	8185.1
67.5°	7858.5	7935.8	8797.2	12054.5	13873.3	14077.7	13783.5	10745.6	7474.6	6365.1
70°	6851.3	6878.7	7914.6	13500.6	16569.7	16776.6	15017.7	9909.1	5672.0	3550.3
72.5°	5350.4	5356.6	6572.0	13835.9	18033.2	18044.4	14049.1	7356.1	3050.4	1363.8
75°	3822.0	3784.6	4401.7	11220.6	15865.3	15992.5	10532.4	3450.6	1165.6	644.5
77.5°	2049.4	2090.5	2490.7	6654.3	10960.0	11176.9	5746.8	994.8	593.4	438.8
80°	633.3	668.2	1021.0	3046.7	6208.0	6338.9	2130.4	442.5	413.9	312.9
82.5°	199.5	206.9	476.2	1280.2	2576.7	2636.5	617.1	250.6	283.0	206.9
85°	57.3	58.6	211.9	477.4	637.0	649.5	173.3	97.2	162.1	128.4
87.5°	6.2	19.9	79.8	79.8	56.1	54.8	18.7	21.2	46.1	16.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P940448
 CATALOG NUMBER: GALN-SB3C-735-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2465.8	0°	2465.8	2465.8	2465.8	2465.8	2465.8	2465.8	2465.8	2465.8	2465.8	2465.8
2477.0	2.5°	2470.7	2472.0	2455.8	2428.4	2398.4	2373.5	2342.3	2317.4	2300.0	2295.0
2499.4	5°	2488.2	2479.5	2433.3	2349.8	2250.1	2164.1	2068.1	1992.1	1942.2	1921.0
2523.1	7.5°	2514.4	2489.4	2388.5	2223.9	2033.2	1863.7	1691.6	1558.2	1473.5	1431.1
2545.5	10°	2536.8	2486.9	2313.7	2041.9	1750.2	1493.4	1261.5	1100.7	1011.0	968.6
2571.7	12.5°	2558.0	2485.7	2216.4	1826.3	1431.1	1116.9	901.3	821.5	796.6	787.8
2614.1	15°	2597.9	2489.4	2094.3	1579.4	1113.2	843.9	765.4	764.2	769.1	766.7
2678.9	17.5°	2652.7	2493.2	1955.9	1317.6	858.9	744.2	740.5	751.7	759.2	755.4
2759.9	20°	2723.8	2508.1	1808.8	1058.4	738.0	719.3	728.0	738.0	744.2	738.0
2868.4	22.5°	2823.5	2534.3	1648.0	850.2	699.3	704.3	711.8	723.0	729.3	720.5
3006.8	25°	2945.7	2575.5	1489.7	739.2	680.6	686.9	698.1	710.6	718.0	709.3
3181.3	27.5°	3104.0	2641.5	1343.8	714.3	661.9	665.7	681.9	700.6	710.6	699.3
3429.4	30°	3333.4	2750.0	1217.9	725.5	650.7	642.0	664.4	690.6	701.8	691.9
3767.2	32.5°	3637.5	2903.3	1140.6	743.0	645.7	614.6	635.8	669.4	688.1	681.9
4208.5	35°	4036.5	3136.4	1110.7	762.9	642.0	585.9	600.9	637.0	669.4	675.7
4764.5	37.5°	4520.1	3460.5	1119.4	771.6	630.8	562.2	569.7	600.9	643.2	663.2
5390.3	40°	5069.9	3838.2	1169.3	762.9	618.3	542.3	543.5	567.2	604.6	634.5
6063.4	42.5°	5637.1	4279.5	1261.5	730.5	607.1	524.8	521.1	537.3	562.2	583.4
6735.3	45°	6176.9	4733.3	1352.5	685.6	593.4	507.4	498.6	504.9	509.9	518.6
7389.8	47.5°	6648.1	5052.4	1326.4	644.5	574.7	487.4	472.5	470.0	455.0	453.8
7974.4	50°	6973.4	5122.2	1178.0	603.3	547.3	465.0	441.3	426.3	400.2	387.7
8412.0	52.5°	7076.9	4846.7	962.4	562.2	502.4	435.1	401.4	377.7	345.3	334.1
8663.8	55°	6939.8	4307.0	769.1	512.3	440.0	395.2	357.8	326.6	300.4	286.7
8691.2	57.5°	6604.4	3620.1	608.3	453.8	374.0	350.3	312.9	281.7	259.3	245.6
8387.1	60°	6048.5	2874.6	481.2	383.9	319.1	301.7	263.0	243.1	223.1	206.9
7601.7	62.5°	5204.5	2051.9	377.7	304.2	266.8	246.8	224.4	209.4	185.7	163.3
6189.3	65°	4061.4	1255.3	291.7	223.1	214.4	204.4	190.7	177.0	148.3	125.9
4037.7	67.5°	2561.7	594.6	208.2	168.3	169.5	164.5	158.3	147.1	125.9	106.0
1808.8	70°	1128.2	288.0	137.1	128.4	125.9	125.9	130.9	127.2	107.2	88.5
628.3	72.5°	383.9	154.6	102.2	97.2	91.0	89.8	109.7	106.0	86.0	68.6
312.9	75°	200.7	103.5	74.8	69.8	54.8	66.1	87.3	82.3	61.1	44.9
206.9	77.5°	130.9	73.5	51.1	44.9	31.2	43.6	64.8	57.3	36.2	22.4
135.9	80°	82.3	48.6	29.9	21.2	15.0	23.7	34.9	24.9	13.7	5.0
79.8	82.5°	43.6	24.9	11.2	7.5	6.2	7.5	8.7	6.2	2.5	0.0
41.1	85°	17.5	8.7	3.7	2.5	1.2	0.0	2.5	1.2	0.0	0.0
7.5	87.5°	6.2	1.2	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

<u>180°</u>
2465.8
2303.7
1928.5
1437.3
969.8
785.4
765.4
754.2
736.7
719.3
708.1
699.3
690.6
681.9
675.7
668.2
644.5
592.1
523.6
452.5
388.9
332.8
286.7
243.1
203.2
159.6
122.2
103.5
84.8
64.8
41.1
19.9
3.7
0.0
0.0
0.0
0.0

F REPORT)