

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: P953670

Luminaire Tested: **GALN-SB7A-927-U-T4W**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953670
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB7A-927-U-T4W
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19380 lumens
Efficiency: N/A
Efficacy: 97.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

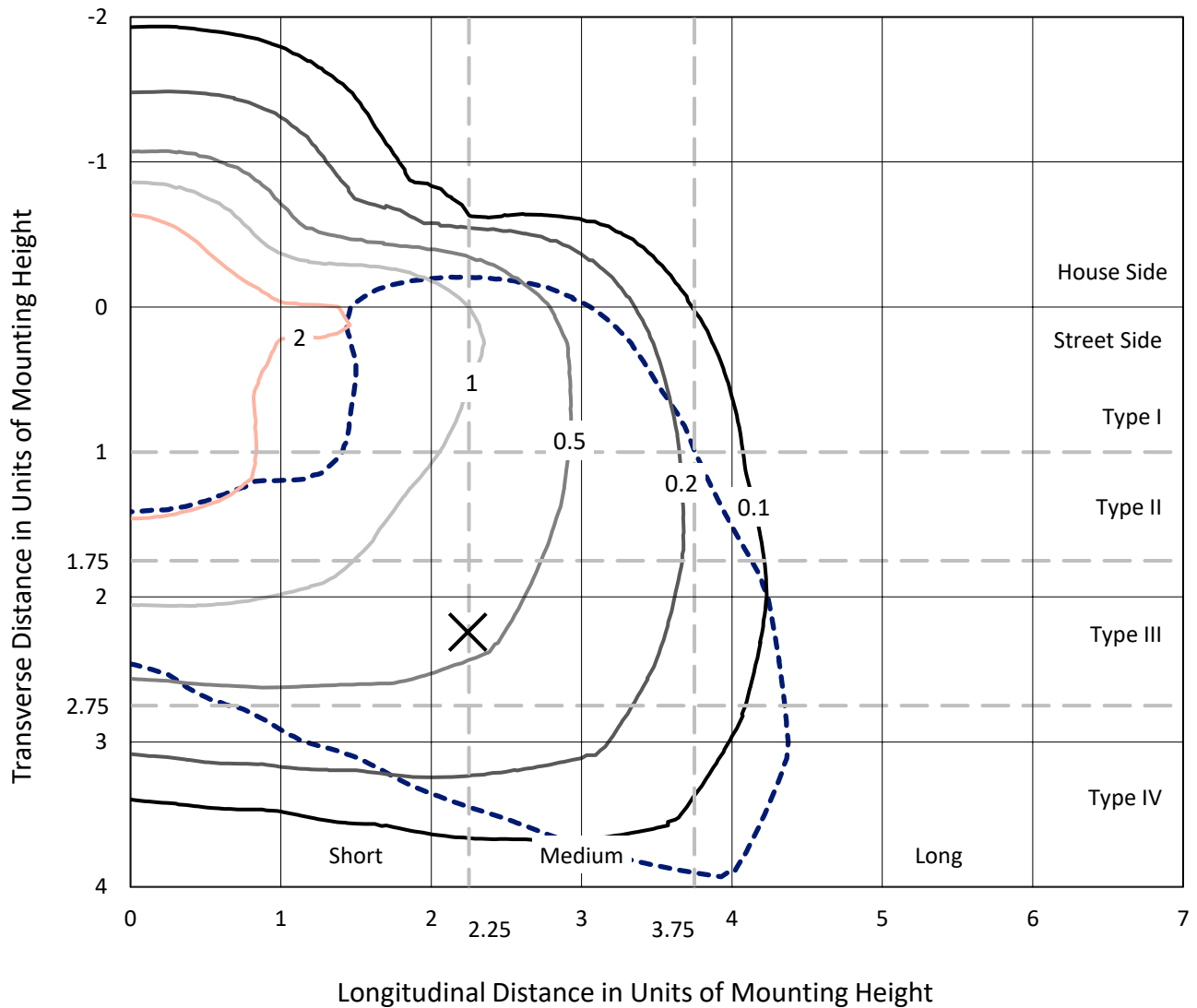
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P953670
 CATALOG NUMBER: GALN-SB7A-927-U-T4W

Iso-Footcandle Lines of Horizontal Illumination

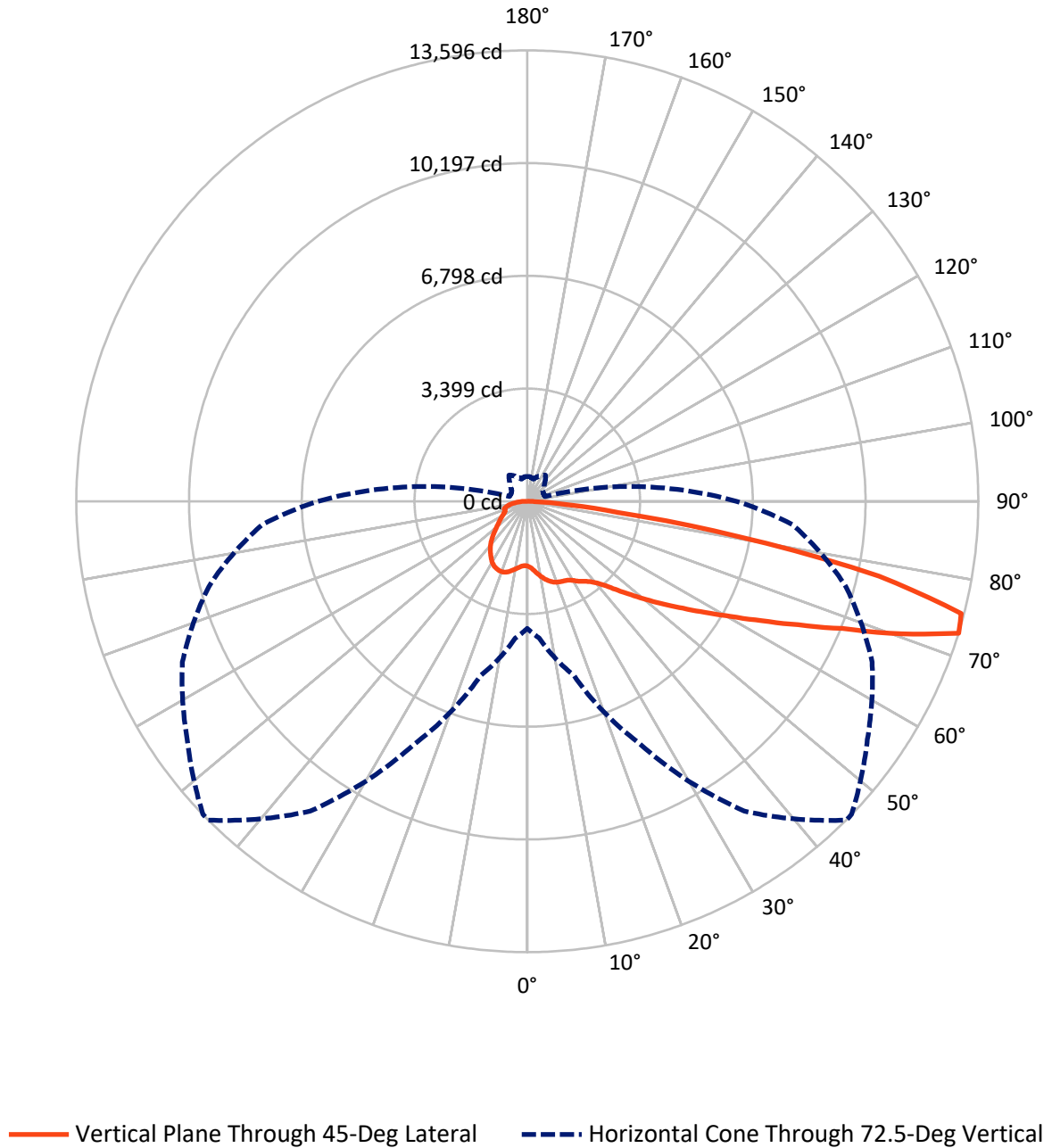
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P953670
CATALOG NUMBER: GALN-SB7A-927-U-T4W

Luminous Intensity Polar Plot



REPORT NUMBER: P953670
 CATALOG NUMBER: GALN-SB7A-927-U-T4W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4381.1	0.0	4381.1
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	14998.9	0.0	14998.9
	% Fixture	77.4	0.0	77.4
Total	Lumens	19380.0	0.0	19380.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.0	1.0
10°-20°	663.4	3.4
20°-30°	1154.1	6.0
30°-40°	1654.5	8.5
40°-50°	2329.6	12.0
50°-60°	3568.3	18.4
60°-70°	5169.1	26.7
70°-80°	4127.9	21.3
80°-90°	514.1	2.7
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°	19380.0	100.0
0°-180°	19380.0	100.0



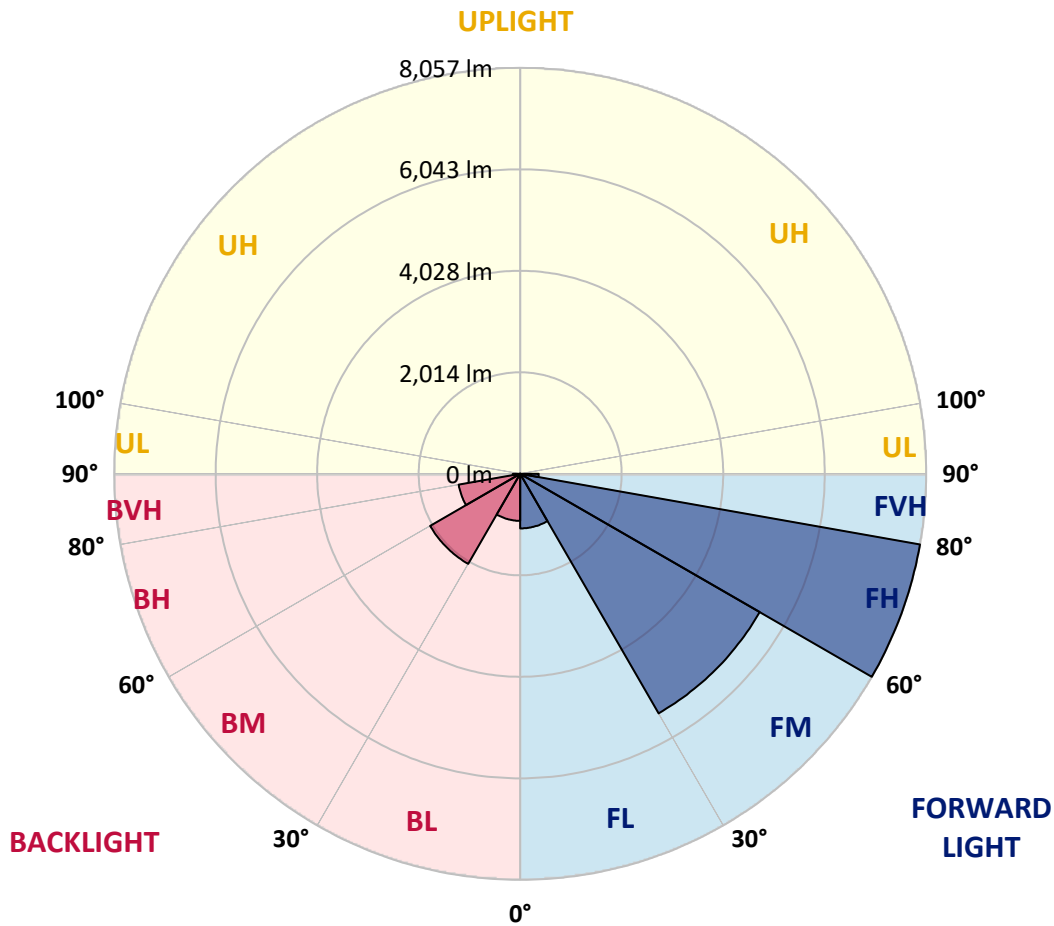
REPORT NUMBER: P953670
 CATALOG NUMBER: GALN-SB7A-927-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1083.8	5.6			
FM (30°-60°)	5489.4	28.3			
FH (60°-80°)	8056.8	41.6			G4/12000
FVH (80°-90°)	368.8	1.9			G3/500
BL (0°-30°)	932.8	4.8	B2/1000		
BM (30°-60°)	2062.9	10.6	B2/2500		
BH (60°-80°)	1240.2	6.4	B3/2500		G3/2500
BVH (80°-90°)	145.3	0.7			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: P953670
 CATALOG NUMBER: GALN-SB7A-927-U-T4W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	1955.1	1955.1	1955.1	1955.1	1955.1	1955.1	1955.1	1955.1	1955.1	1955.1
2.5°	2031.6	2044.9	2032.7	2021.4	2016.3	2003.0	2002.0	1993.9	1988.8	1974.5
5°	2173.5	2190.9	2170.5	2148.0	2127.6	2094.9	2090.8	2067.4	2040.8	2010.2
7.5°	2333.8	2349.1	2325.7	2292.0	2256.2	2202.1	2201.1	2158.2	2116.4	2064.3
10°	2473.7	2494.1	2462.5	2416.5	2371.6	2310.3	2303.2	2254.2	2201.1	2133.7
12.5°	2597.2	2611.5	2580.9	2524.7	2472.7	2411.4	2402.2	2348.1	2288.9	2212.3
15°	2695.2	2713.6	2672.8	2612.5	2557.4	2497.2	2489.0	2440.0	2380.8	2300.1
17.5°	2759.6	2774.9	2733.0	2665.6	2612.5	2562.5	2556.4	2515.6	2463.5	2381.8
20°	2784.1	2800.4	2756.5	2688.1	2639.1	2600.3	2597.2	2567.6	2531.9	2457.4
22.5°	2808.6	2823.9	2766.7	2695.2	2652.4	2627.9	2626.8	2607.4	2593.1	2531.9
25°	2907.6	2911.7	2835.1	2732.0	2670.7	2649.3	2648.3	2647.2	2653.4	2605.4
27.5°	2993.3	2992.3	2927.0	2830.0	2735.0	2690.1	2689.1	2699.3	2718.7	2678.9
30°	3118.9	3107.7	3030.1	2929.0	2842.2	2772.8	2766.7	2757.5	2772.8	2741.2
32.5°	3385.4	3349.6	3224.1	3044.4	2931.1	2878.0	2869.8	2812.6	2818.8	2799.4
35°	3767.2	3720.2	3552.8	3262.9	3041.3	2965.8	2961.7	2889.2	2877.0	2859.6
37.5°	4221.5	4163.3	3968.3	3579.4	3231.2	3067.9	3061.7	2996.4	2946.4	2928.0
40°	4677.9	4604.4	4443.1	3965.3	3510.9	3238.4	3219.0	3119.9	3062.8	3032.1
42.5°	5120.9	5059.7	4921.9	4398.1	3856.0	3487.5	3444.6	3275.1	3232.2	3203.7
45°	5513.0	5457.8	5356.8	4860.6	4260.3	3826.4	3784.6	3507.9	3494.6	3494.6
47.5°	5831.5	5819.3	5712.1	5332.3	4737.1	4212.3	4139.8	3831.5	3867.3	3922.4
50°	6184.7	6151.1	6036.7	5796.8	5297.6	4654.4	4595.2	4228.7	4362.4	4513.5
52.5°	6509.4	6527.8	6400.2	6280.7	5930.5	5147.5	5043.4	4697.3	4986.2	5236.3
55°	6843.2	6844.3	6808.5	6792.2	6594.1	5692.7	5578.3	5260.8	5720.2	6030.6
57.5°	7156.7	7158.7	7211.8	7355.7	7363.9	6321.5	6191.9	5953.0	6535.9	6852.4
60°	7436.4	7450.7	7595.7	7932.6	8040.8	7042.3	6919.8	6770.8	7379.2	7697.7
62.5°	7530.3	7582.4	7905.0	8383.8	8709.5	7926.4	7806.0	7717.1	8265.4	8561.4
65°	7371.1	7490.5	8114.3	8756.4	9397.6	8977.0	8857.5	8760.5	9186.3	9465.0
67.5°	6980.0	7134.2	8102.0	9147.5	10232.7	10240.9	10129.6	9901.9	10173.5	10280.7
70°	5949.9	6180.7	7388.4	9293.4	11191.3	11969.3	11862.1	11276.1	11158.7	10640.0
72.5°	3833.6	4143.9	5440.5	8091.8	11404.7	13595.6	13589.5	12516.5	11470.1	9941.7
75°	1398.7	1588.6	2527.8	5079.1	9573.2	13512.9	13552.7	12304.1	10470.6	7679.4
77.5°	509.4	557.4	824.9	1952.0	5887.7	10842.2	10924.9	9836.6	7452.7	3854.0
80°	267.5	294.0	422.7	757.5	2522.7	6439.0	6568.6	5845.8	3502.8	1160.8
82.5°	148.0	160.3	236.9	411.4	1136.3	2753.4	2831.0	2309.3	1232.3	492.1
85°	79.6	84.7	111.3	224.6	555.4	954.6	976.0	690.1	491.1	288.9
87.5°	23.5	28.6	36.8	71.5	217.5	214.4	219.5	136.8	194.0	146.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P953670
 CATALOG NUMBER: GALN-SB7A-927-U-T4W

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1955.1	0°	1955.1	1955.1	1955.1	1955.1	1955.1	1955.1	1955.1	1955.1	1955.1	1955.1
1970.4	2.5°	1964.3	1961.2	1950.0	1944.9	1938.7	1937.7	1942.8	1943.8	1944.9	1945.9
1992.8	5°	1982.6	1972.4	1962.2	1956.1	1958.1	1959.1	1969.4	1976.5	1981.6	1985.7
2034.7	7.5°	2018.4	2010.2	1992.8	1991.8	1994.9	2004.1	2017.3	2033.7	2042.9	2050.0
2088.8	10°	2071.4	2056.1	2035.7	2038.8	2044.9	2058.2	2085.7	2099.0	2114.3	2127.6
2155.2	12.5°	2125.6	2112.3	2088.8	2090.8	2101.1	2124.5	2151.1	2167.4	2177.6	2187.8
2226.6	15°	2196.0	2172.5	2147.0	2147.0	2165.4	2190.9	2203.1	2216.4	2222.5	2233.8
2303.2	17.5°	2268.5	2237.9	2204.2	2202.1	2224.6	2236.8	2244.0	2246.0	2248.1	2260.3
2377.7	20°	2341.0	2307.3	2259.3	2255.2	2260.3	2258.3	2257.3	2255.2	2258.3	2273.6
2454.3	22.5°	2412.4	2373.6	2307.3	2288.9	2274.6	2255.2	2254.2	2253.2	2255.2	2270.5
2537.0	25°	2496.2	2449.2	2360.4	2305.2	2257.3	2230.7	2233.8	2234.8	2236.8	2249.1
2622.7	27.5°	2587.0	2534.9	2409.4	2300.1	2213.4	2195.0	2189.9	2192.9	2200.1	2219.5
2708.5	30°	2677.9	2616.6	2454.3	2279.7	2158.2	2132.7	2116.4	2123.5	2146.0	2165.4
2783.0	32.5°	2760.6	2699.3	2490.0	2234.8	2087.8	2048.0	2026.5	2035.7	2058.2	2065.3
2865.7	35°	2857.6	2788.1	2505.3	2163.3	2011.2	1950.0	1921.4	1908.1	1919.3	1912.2
2962.7	37.5°	2965.8	2893.3	2503.3	2069.4	1921.4	1850.9	1811.1	1761.1	1737.6	1713.1
3105.6	40°	3126.1	3021.9	2478.8	1956.1	1810.1	1745.8	1674.3	1589.6	1536.5	1488.5
3336.4	42.5°	3344.5	3200.6	2433.9	1831.5	1684.5	1624.3	1527.3	1428.3	1344.6	1264.9
3686.5	45°	3670.2	3434.4	2377.7	1698.8	1548.7	1489.5	1384.4	1273.1	1178.1	1076.1
4183.7	47.5°	4139.8	3748.8	2324.6	1547.7	1405.8	1351.7	1256.8	1153.6	1041.3	942.3
4902.5	50°	4785.1	4200.1	2275.6	1400.7	1264.9	1224.1	1148.5	1043.4	930.1	850.4
5744.7	52.5°	5605.9	4813.6	2255.2	1258.8	1133.2	1117.9	1057.7	959.7	852.5	785.1
6726.9	55°	6548.2	5547.7	2255.2	1123.0	1017.9	1023.0	981.1	890.2	797.3	737.1
7739.6	57.5°	7509.9	6290.9	2214.4	997.4	919.9	941.3	914.7	835.1	751.4	689.1
8804.4	60°	8396.1	6913.7	2049.0	883.1	833.1	866.8	849.4	781.0	678.9	626.8
9694.7	62.5°	9077.0	7264.9	1730.5	792.2	761.6	800.4	791.2	709.5	665.6	644.2
10425.7	65°	9418.0	7207.7	1323.1	711.6	701.4	761.6	742.2	739.1	704.4	679.9
10663.5	67.5°	9208.7	6715.6	959.7	652.4	666.7	725.9	800.4	812.7	748.3	700.4
9993.8	70°	8290.9	5825.4	714.6	596.2	622.8	726.9	912.7	850.4	734.0	677.9
8015.3	72.5°	6307.3	4344.0	554.4	537.0	565.6	732.0	962.7	833.1	693.2	749.4
4993.3	75°	3606.9	2384.9	445.1	464.5	494.1	684.0	937.2	788.2	661.6	688.1
1978.5	77.5°	1375.2	916.8	367.5	393.1	397.1	597.2	896.4	785.1	629.9	614.6
593.2	80°	476.8	358.3	304.2	312.4	307.3	530.9	859.6	683.0	515.6	461.5
245.0	82.5°	195.0	178.7	240.9	230.7	218.5	412.5	694.2	558.4	421.6	372.6
118.4	85°	84.7	113.3	159.3	139.9	126.6	285.9	556.4	472.7	356.3	307.3
38.8	87.5°	17.4	42.9	67.4	63.3	65.3	190.9	395.1	335.9	252.2	188.9
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>
1955.1
1950.0
1987.7
2052.1
2124.5
2191.9
2237.9
2264.4
2279.7
2280.7
2265.4
2238.9
2186.8
2090.8
1934.6
1728.4
1491.6
1257.8
1063.8
931.1
845.3
780.0
731.0
678.9
618.7
637.1
671.8
692.2
668.7
743.2
688.1
560.5
446.1
368.6
306.3
148.0
0.0

F REPORT)