

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: P940117

Luminaire Tested: **GALN-SB3A-740-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940117
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3A-740-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14249 lumens
Efficiency: N/A
Efficacy: 168.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

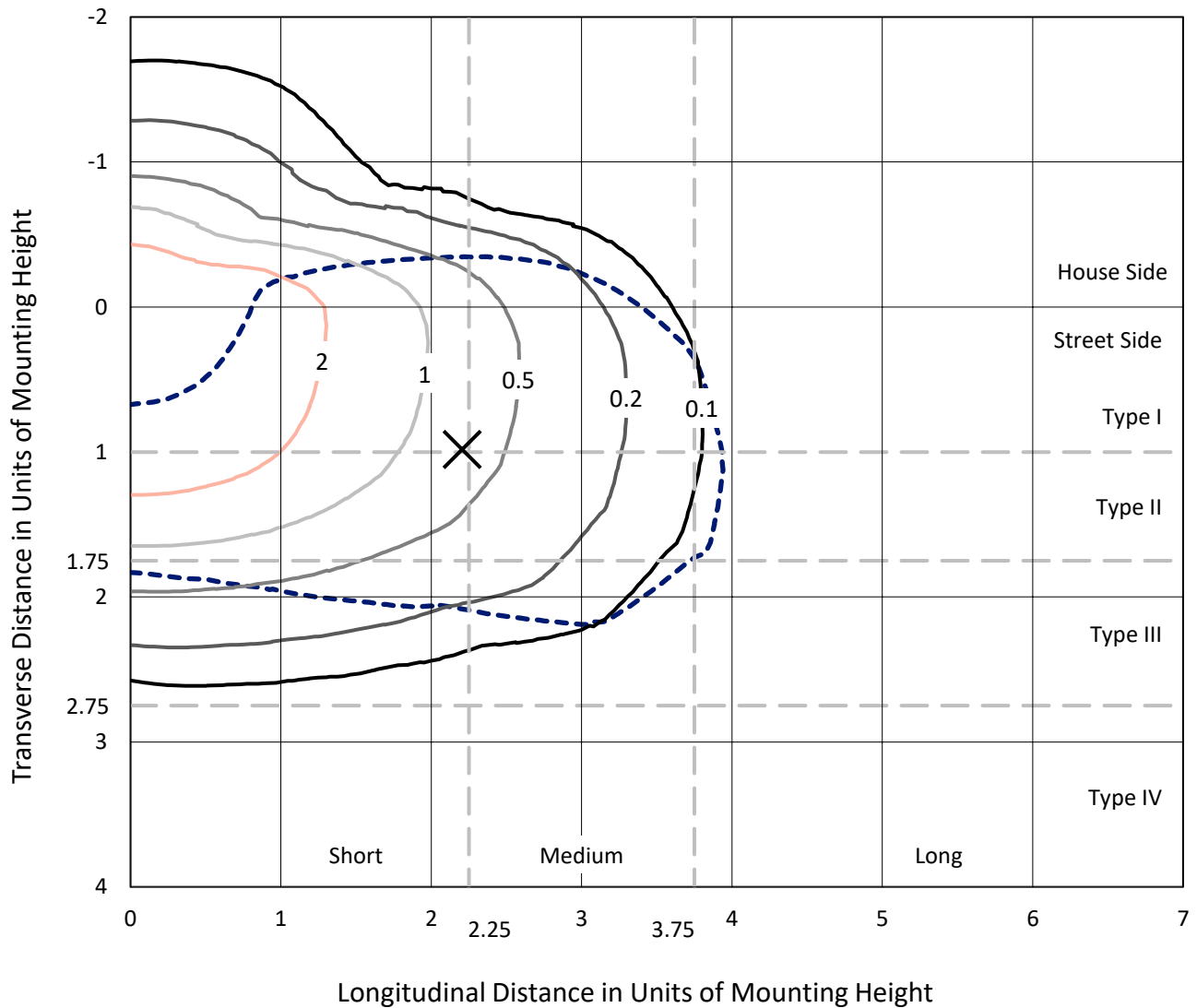
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P940117
 CATALOG NUMBER: GALN-SB3A-740-U-T3

Iso-Footcandle Lines of Horizontal Illumination

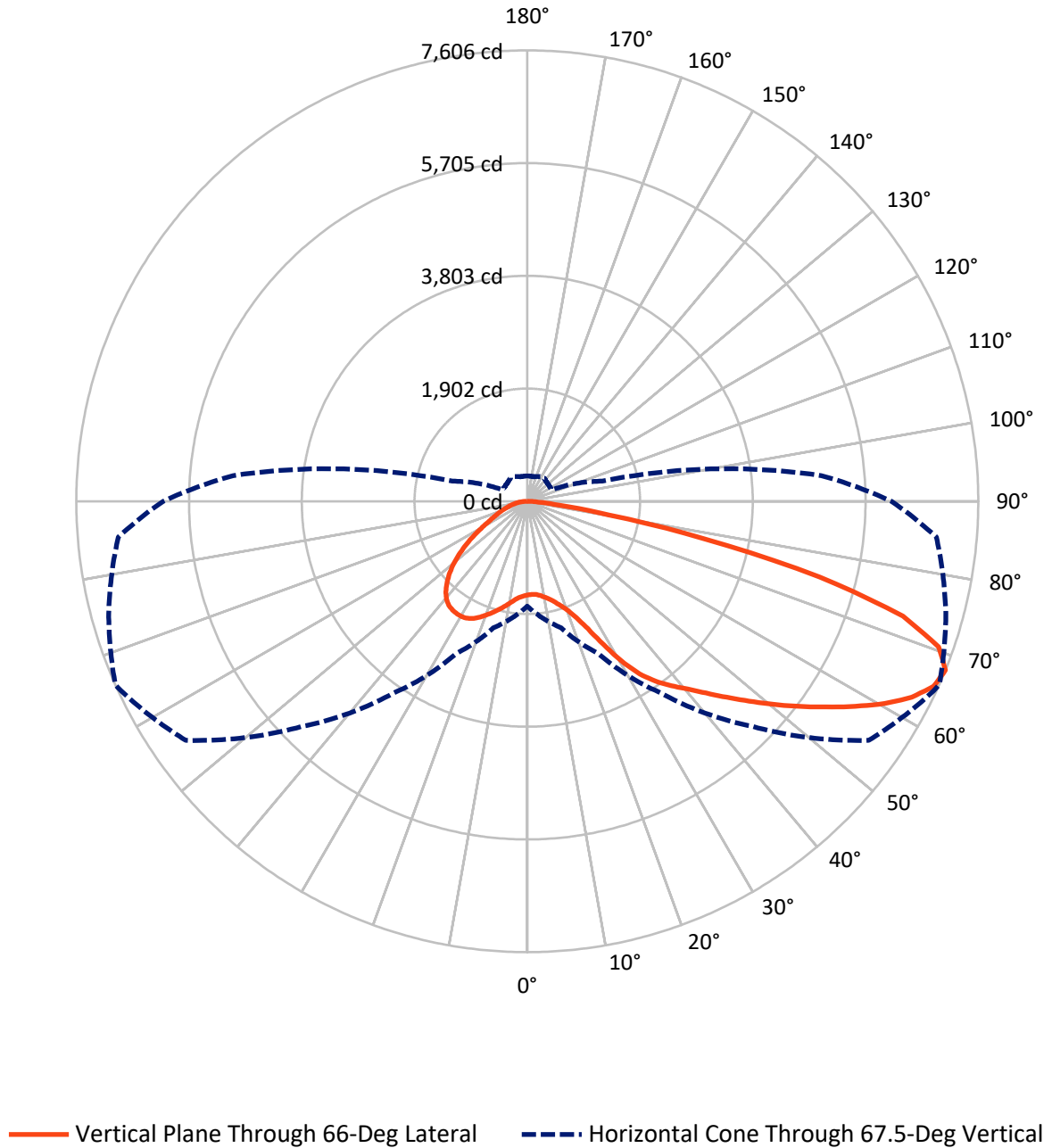
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
 Type III - Short - N/A

REPORT NUMBER: P940117
CATALOG NUMBER: GALN-SB3A-740-U-T3

Luminous Intensity Polar Plot



REPORT NUMBER: P940117
 CATALOG NUMBER: GALN-SB3A-740-U-T3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3543.0	0.0	3543.0
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	10706.0	0.0	10706.0
	% Fixture	75.1	0.0	75.1
Total	Lumens	14249.0	0.0	14249.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.7	1.1
10°-20°	517.7	3.6
20°-30°	997.8	7.0
30°-40°	1749.5	12.3
40°-50°	2601.0	18.3
50°-60°	3297.0	23.1
60°-70°	3226.0	22.6
70°-80°	1538.8	10.8
80°-90°	164.5	1.2
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°	14249.0	100.0
0°-180°	14249.0	100.0

Coefficient of Utilization



REPORT NUMBER: P940117

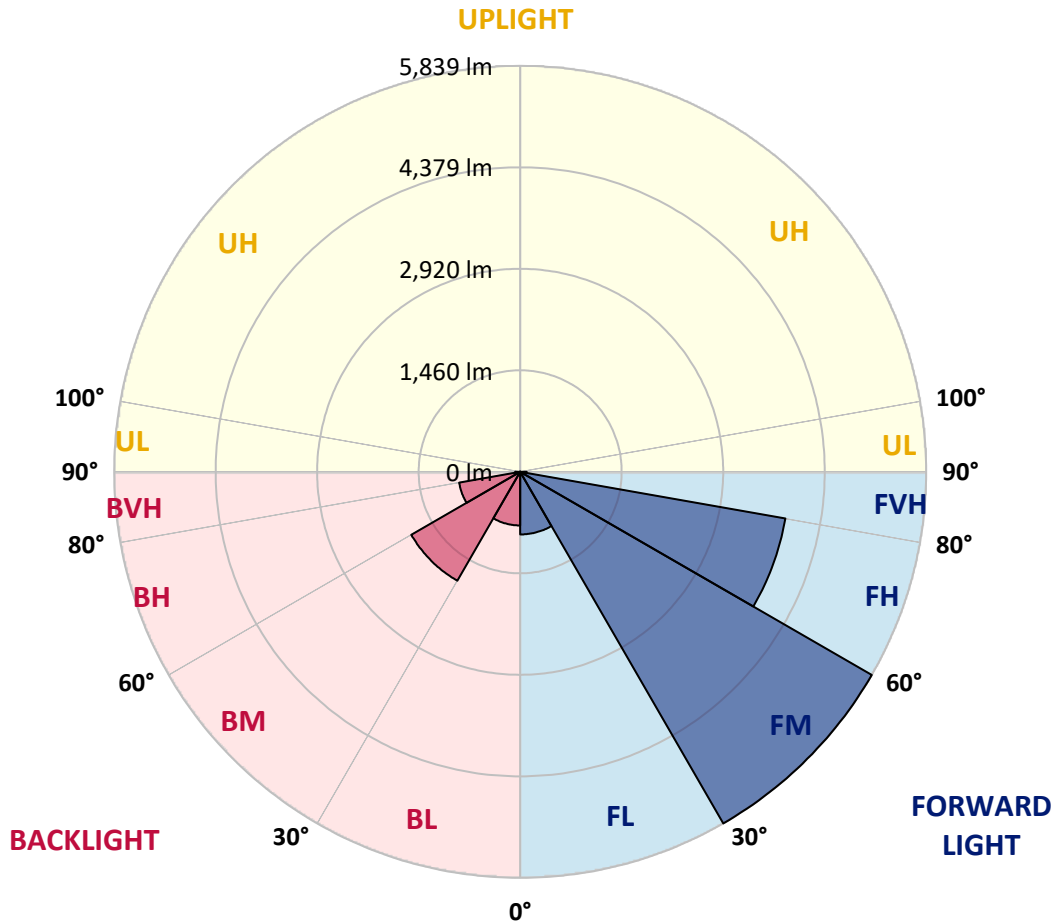
CATALOG NUMBER: GALN-SB3A-740-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	900.4	6.3			
FM (30°-60°)	5839.1	41.0			
FH (60°-80°)	3873.3	27.2			G2/5000
FVH (80°-90°)	93.2	0.7			G1/100
BL (0°-30°)	771.8	5.4	B2/1000		
BM (30°-60°)	1808.4	12.7	B2/2500		
BH (60°-80°)	891.6	6.3	B2/1000		G2/1000
BVH (80°-90°)	71.2	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short



REPORT NUMBER: P940117

CATALOG NUMBER: GALN-SB3A-740-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	1580.4	1580.4	1580.4	1580.4	1580.4	1580.4	1580.4	1580.4	1580.4	1580.4
2.5°	1563.9	1572.9	1570.7	1566.9	1566.2	1567.7	1569.9	1572.2	1571.4	1575.2
5°	1559.4	1568.4	1567.7	1567.7	1570.7	1576.7	1580.4	1584.1	1580.4	1584.9
7.5°	1562.4	1569.2	1572.2	1575.2	1582.6	1593.9	1602.9	1611.1	1606.6	1611.8
10°	1600.6	1605.9	1608.9	1608.9	1614.1	1626.8	1635.8	1650.8	1647.0	1655.3
12.5°	1670.2	1675.5	1675.5	1672.5	1676.2	1684.5	1687.5	1703.9	1697.2	1710.7
15°	1755.6	1766.1	1757.8	1752.6	1754.1	1762.3	1761.6	1774.3	1767.6	1778.8
17.5°	1849.9	1863.4	1849.9	1849.2	1846.2	1855.2	1855.9	1867.1	1855.2	1863.4
20°	1961.5	1980.2	1969.0	1972.7	1966.0	1969.7	1973.4	1989.9	1971.2	1977.2
22.5°	2118.7	2141.1	2129.2	2143.4	2138.9	2135.9	2135.2	2164.4	2135.2	2137.4
25°	2347.8	2374.7	2353.8	2373.2	2373.2	2383.0	2394.2	2431.6	2383.0	2368.7
27.5°	2686.2	2713.1	2671.9	2683.9	2680.2	2704.1	2692.1	2785.0	2732.6	2709.4
30°	3093.4	3141.3	3063.5	3060.5	3056.7	3094.9	3112.1	3173.5	3120.4	3097.2
32.5°	3533.6	3583.8	3491.0	3464.0	3449.8	3473.0	3458.8	3508.2	3471.5	3435.6
35°	3999.3	4048.7	3960.4	3908.0	3851.1	3802.4	3751.5	3764.2	3729.8	3675.1
37.5°	4439.5	4530.1	4436.5	4380.4	4275.5	4180.5	4038.2	3979.1	3946.9	3896.7
40°	4887.9	4939.6	4868.5	4820.6	4706.8	4557.8	4330.2	4205.2	4161.8	4113.1
42.5°	5218.1	5267.5	5229.3	5196.4	5107.3	4934.4	4640.1	4483.7	4420.8	4366.1
45°	5480.1	5516.8	5492.9	5504.8	5466.7	5299.0	4961.3	4782.4	4717.3	4650.6
47.5°	5585.7	5624.6	5662.8	5733.9	5799.1	5675.5	5306.4	5105.8	5036.9	4968.8
50°	5573.7	5613.4	5724.2	5875.4	6077.5	6036.4	5670.3	5450.2	5386.5	5308.7
52.5°	5477.9	5522.8	5665.0	5916.6	6238.5	6306.6	6040.9	5805.8	5745.9	5653.1
55°	5226.3	5253.3	5466.7	5823.0	6276.7	6495.3	6404.0	6184.6	6124.7	5995.2
57.5°	4759.9	4798.9	5109.5	5570.7	6180.9	6623.3	6722.9	6582.9	6525.2	6338.8
60°	4151.3	4213.4	4569.0	5147.0	5936.8	6622.6	7012.6	6974.4	6926.5	6677.2
62.5°	3462.5	3534.4	3876.5	4548.1	5510.1	6434.7	7193.8	7302.3	7277.6	6989.4
65°	2659.2	2708.6	3049.3	3773.2	4846.0	6031.1	7214.8	7526.2	7530.7	7226.7
67.5°	1770.6	1912.8	2208.5	2831.4	3956.6	5371.6	7030.6	7562.9	7606.3	7308.3
70°	863.9	1051.1	1340.8	1840.2	2831.4	4360.1	6549.2	7261.9	7358.5	7070.3
72.5°	358.6	419.2	577.2	908.1	1625.3	2942.2	5581.9	6445.9	6624.8	6264.7
75°	241.8	262.0	330.2	465.7	740.4	1450.9	4025.5	4806.3	5094.6	4731.5
77.5°	186.4	199.1	240.3	325.7	440.2	548.8	2154.6	2896.5	3045.5	2819.4
80°	146.7	156.5	179.7	237.3	312.2	293.5	734.4	1312.4	1398.5	1173.1
82.5°	127.3	131.0	128.8	161.0	207.4	171.4	241.1	484.4	534.5	387.8
85°	92.1	102.6	107.1	99.6	110.1	86.8	98.8	171.4	188.7	168.4
87.5°	37.4	55.4	68.1	64.4	40.4	24.7	30.7	50.2	57.6	62.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P940117
 CATALOG NUMBER: GALN-SB3A-740-U-T3

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1580.4	0°	1580.4	1580.4	1580.4	1580.4	1580.4	1580.4	1580.4	1580.4	1580.4	1580.4
1581.2	2.5°	1581.9	1587.1	1590.9	1595.4	1598.4	1602.9	1611.8	1617.1	1617.8	1621.6
1593.1	5°	1596.1	1603.6	1611.8	1623.8	1637.3	1648.5	1665.7	1677.7	1682.2	1686.0
1622.3	7.5°	1626.8	1637.3	1652.3	1673.2	1692.7	1707.7	1728.6	1742.9	1757.1	1762.3
1668.7	10°	1672.5	1687.5	1709.2	1737.6	1758.6	1778.0	1799.8	1811.7	1826.0	1831.9
1724.1	12.5°	1729.4	1745.1	1773.6	1813.2	1832.7	1846.2	1853.7	1850.7	1853.7	1858.9
1790.8	15°	1794.5	1811.7	1843.9	1886.6	1900.1	1888.1	1871.6	1856.7	1854.4	1855.9
1871.6	17.5°	1871.6	1884.4	1921.8	1957.7	1948.0	1898.6	1862.6	1838.7	1826.7	1823.0
1974.9	20°	1979.4	1979.4	2010.1	2032.6	1967.5	1883.6	1827.5	1788.5	1763.8	1753.3
2115.7	22.5°	2110.4	2098.5	2117.9	2102.2	1963.7	1841.7	1763.8	1696.4	1659.0	1644.0
2312.6	25°	2276.6	2262.4	2257.2	2159.9	1936.8	1775.1	1648.5	1566.9	1534.0	1525.8
2596.3	27.5°	2527.4	2491.5	2423.4	2191.3	1887.3	1670.2	1513.8	1438.2	1419.4	1420.2
2960.9	30°	2861.3	2789.5	2622.5	2196.5	1806.5	1522.0	1376.0	1322.1	1313.1	1316.9
3267.1	32.5°	3170.5	3102.4	2826.2	2172.6	1682.2	1376.8	1252.5	1216.6	1203.1	1207.6
3500.7	35°	3413.1	3394.4	3014.8	2138.9	1529.5	1240.5	1141.7	1111.0	1084.8	1078.8
3720.8	37.5°	3642.2	3634.7	3156.3	2091.7	1378.3	1143.9	1052.6	1012.2	974.0	953.0
3964.1	40°	3893.7	3886.2	3249.1	2019.1	1244.3	1060.1	972.5	919.3	872.2	834.0
4239.6	42.5°	4176.7	4132.6	3293.3	1915.0	1130.5	989.0	907.4	835.5	773.4	738.2
4551.0	45°	4485.9	4386.3	3292.6	1782.5	1034.6	923.8	837.7	735.9	678.3	645.3
4870.7	47.5°	4813.8	4628.9	3252.1	1635.8	941.8	852.0	729.9	652.1	613.9	593.7
5218.1	50°	5152.2	4855.8	3183.3	1467.4	846.7	770.4	662.6	609.4	580.2	561.5
5562.5	52.5°	5470.4	5061.6	3100.2	1276.5	750.1	691.0	632.6	591.4	560.7	539.8
5896.4	55°	5766.1	5239.1	2982.6	1081.1	671.5	637.9	618.4	583.9	548.8	524.1
6235.5	57.5°	6028.9	5354.4	2779.7	897.6	615.4	601.2	603.4	571.2	530.8	509.8
6569.4	60°	6247.5	5439.0	2479.5	727.7	569.7	565.2	580.2	547.3	500.1	476.1
6851.7	62.5°	6378.5	5437.5	2111.2	595.9	530.8	532.3	549.5	517.3	469.4	446.9
6999.1	65°	6367.3	5304.2	1706.9	509.8	493.4	494.9	517.3	484.4	444.0	430.5
6925.0	67.5°	6141.9	4979.3	1309.4	453.7	452.2	458.9	485.1	461.9	428.2	426.7
6483.3	70°	5531.8	4304.7	943.3	408.8	409.5	419.2	453.7	447.7	420.0	423.0
5450.9	72.5°	4435.8	3282.1	633.4	361.6	362.3	378.1	423.7	436.5	411.8	451.4
3867.5	75°	2954.2	2046.8	407.3	311.4	312.2	332.4	397.5	414.8	389.3	449.9
2012.4	77.5°	1419.4	920.1	295.0	262.0	262.0	280.7	343.6	371.3	331.7	349.6
646.8	80°	490.4	345.9	232.1	211.1	206.6	219.4	289.7	321.9	286.0	263.5
211.1	82.5°	193.2	179.7	186.4	164.0	149.0	157.2	225.3	265.8	210.4	190.2
119.0	85°	110.8	116.8	131.8	108.6	86.1	96.6	165.5	190.9	158.7	140.0
38.9	87.5°	29.9	41.2	60.6	56.1	38.9	41.2	78.6	105.6	91.3	70.4
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>
1580.4
1620.8
1685.2
1763.1
1834.9
1860.4
1861.1
1828.2
1751.1
1641.8
1527.2
1422.4
1329.6
1213.6
1083.3
953.8
837.7
740.4
643.8
589.2
554.8
530.8
514.3
496.4
465.7
440.2
429.7
429.0
422.2
457.4
453.7
320.4
247.1
189.4
143.0
72.6
0.0

F REPORT)