

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: P956575

Luminaire Tested: **GALN-SB9A-940-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956575
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB9A-940-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29428 lumens
Efficiency: N/A
Efficacy: 115.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

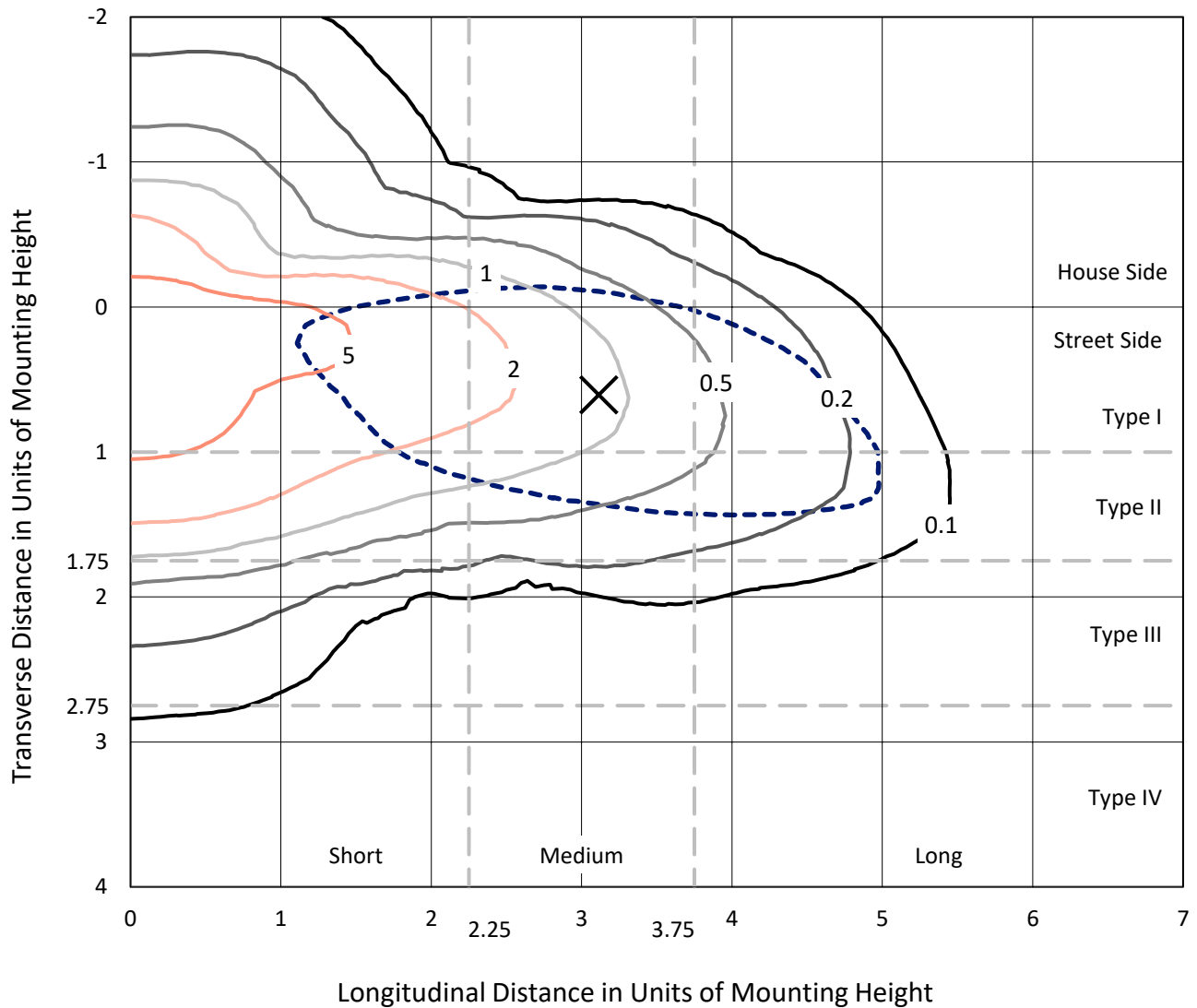
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P956575
 CATALOG NUMBER: GALN-SB9A-940-U-SL2

Iso-Footcandle Lines of Horizontal Illumination

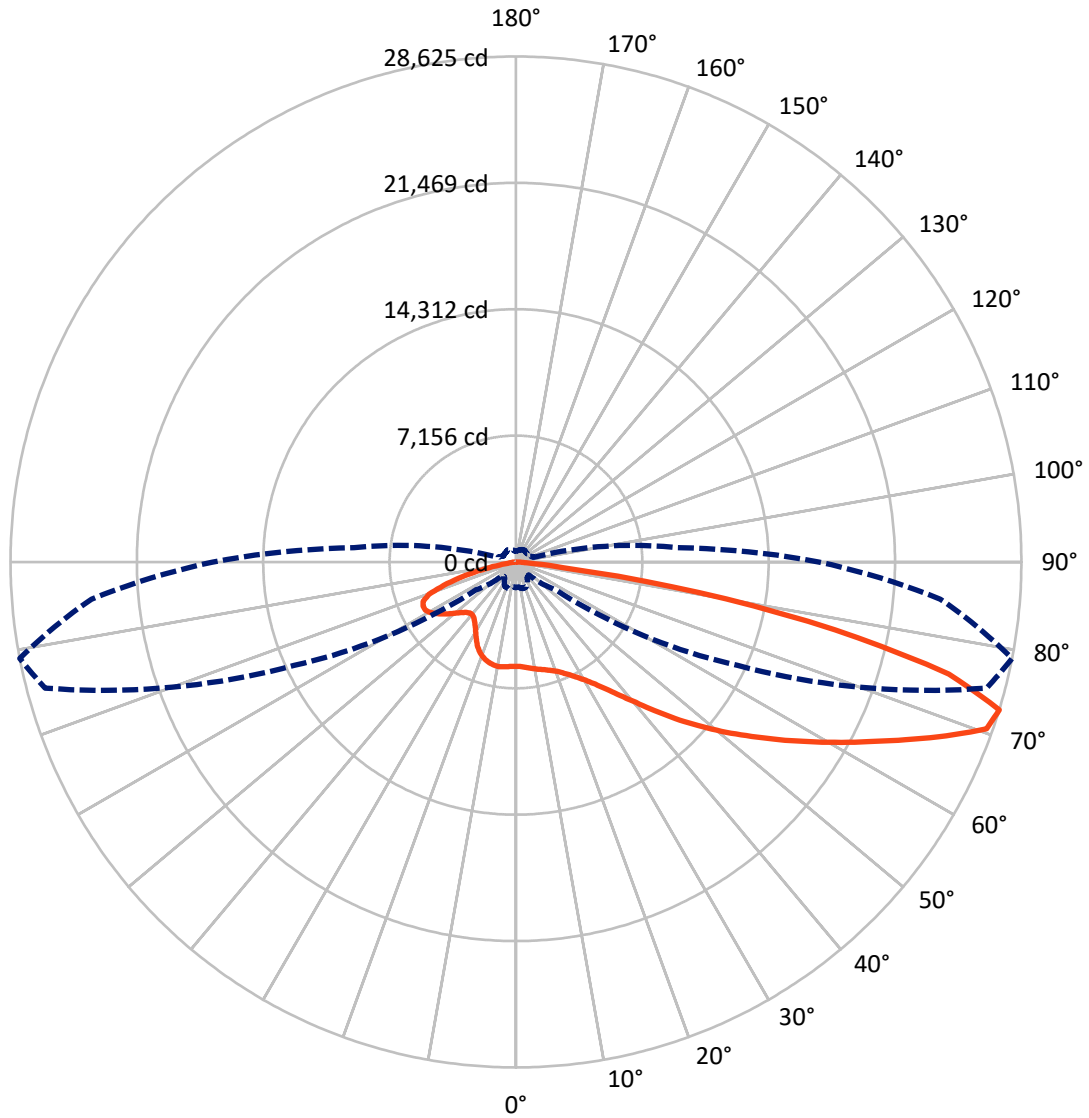
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.5 fc
 Type II - Medium - N/A

REPORT NUMBER: P956575
CATALOG NUMBER: GALN-SB9A-940-U-SL2

Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P956575
 CATALOG NUMBER: GALN-SB9A-940-U-SL2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6475.8	0.0	6475.8
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	22952.2	0.0	22952.2
	% Fixture	78.0	0.0	78.0
Total	Lumens	29428.0	0.0	29428.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	536.2	1.8
10°-20°	1402.0	4.8
20°-30°	2262.2	7.7
30°-40°	3395.2	11.5
40°-50°	4816.3	16.4
50°-60°	6082.3	20.7
60°-70°	6177.4	21.0
70°-80°	4210.2	14.3
80°-90°	546.2	1.9
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°	29428.0	100.0
0°-180°	29428.0	100.0

Coefficient of Utilization

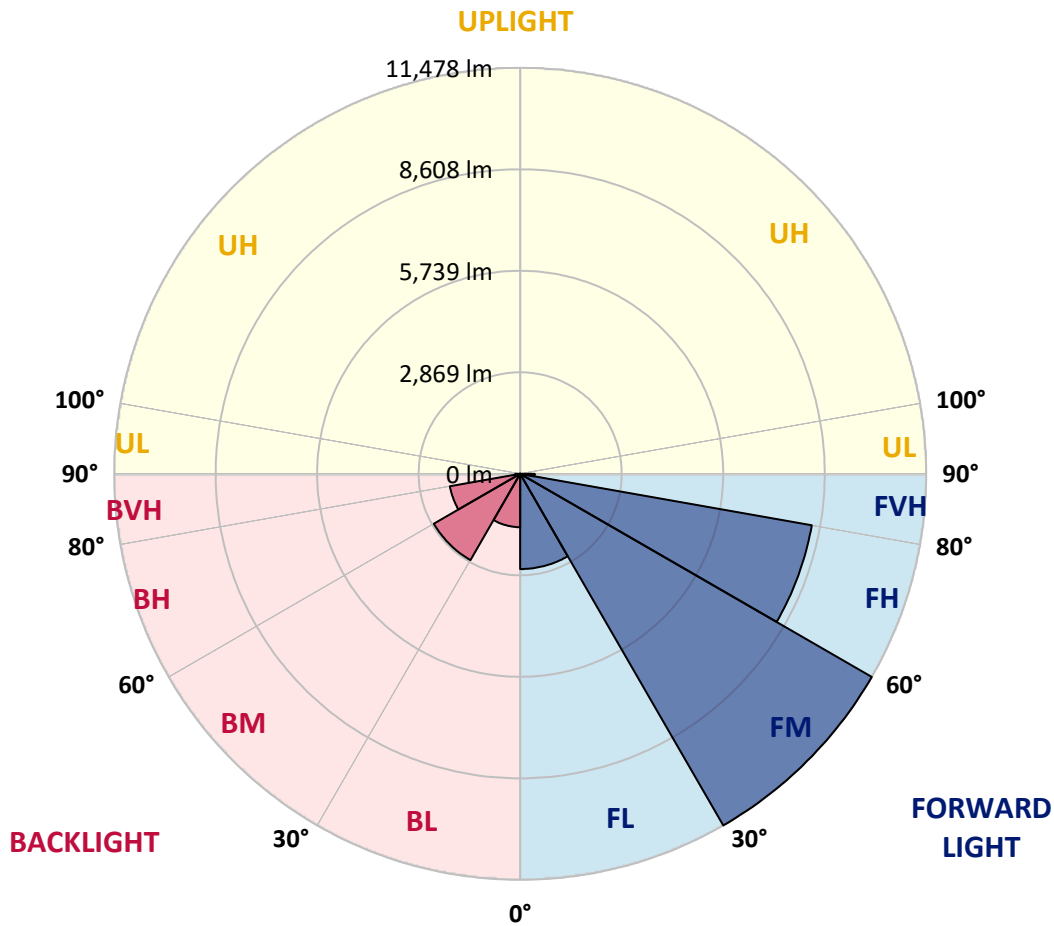


REPORT NUMBER: P956575
 CATALOG NUMBER: GALN-SB9A-940-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2691.9	9.1			
FM (30°-60°)	11477.5	39.0			
FH (60°-80°)	8371.3	28.4			G4/12000
FVH (80°-90°)	411.5	1.4			G3/500
BL (0°-30°)	1508.4	5.1	B3/2500		
BM (30°-60°)	2816.3	9.6	B3/5000		
BH (60°-80°)	2016.3	6.9	B3/2500		G3/2500
BVH (80°-90°)	134.8	0.5			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 II Medium



REPORT NUMBER: P956575
 CATALOG NUMBER: GALN-SB9A-940-U-SL2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°
0°	5907.4	5907.4	5907.4	5907.4	5907.4	5907.4	5907.4	5907.4	5907.4	5907.4
2.5°	5910.5	5882.5	5899.6	5893.4	5901.2	5910.5	5913.6	5918.3	5933.9	5932.3
5°	5898.1	5870.0	5893.4	5885.6	5905.8	5927.6	5946.3	5963.4	5988.3	5999.2
7.5°	5871.6	5852.9	5876.3	5899.6	5937.0	5969.7	5996.1	6035.0	6070.8	6077.1
10°	5717.5	5703.5	5758.0	5818.7	5921.4	6010.1	6067.7	6112.9	6151.8	6158.0
12.5°	5557.2	5540.0	5600.7	5683.2	5849.8	6010.1	6131.5	6190.7	6224.9	6245.2
15°	5530.7	5516.7	5550.9	5622.5	5761.1	5968.1	6175.1	6284.1	6313.7	6337.0
17.5°	5658.3	5631.9	5645.9	5670.8	5751.7	5929.2	6209.4	6389.9	6435.1	6460.0
20°	5954.1	5916.7	5894.9	5845.1	5831.1	5935.4	6206.3	6517.6	6576.7	6607.9
22.5°	6347.9	6323.0	6276.3	6150.2	6013.2	6011.7	6265.4	6681.0	6791.6	6821.1
25°	6824.2	6786.9	6727.7	6556.5	6293.4	6162.7	6365.0	6889.6	7074.9	7082.6
27.5°	7372.2	7316.1	7235.2	7009.5	6654.6	6399.3	6517.6	7129.3	7400.2	7397.1
30°	7949.7	7893.6	7808.0	7534.1	7087.3	6718.4	6729.3	7387.7	7786.2	7769.1
32.5°	8371.5	8329.5	8312.4	8100.7	7585.4	7095.1	6972.1	7674.2	8262.6	8247.0
35°	8695.3	8640.8	8661.1	8553.7	8128.7	7516.9	7269.4	8015.1	8841.6	8840.1
37.5°	9016.0	8967.7	8984.8	8913.2	8631.5	8052.4	7632.1	8432.2	9559.2	9593.5
40°	9308.6	9257.2	9325.7	9258.8	9022.2	8622.1	8044.6	8903.9	10390.5	10455.8
42.5°	9484.5	9444.0	9557.7	9559.2	9361.5	9103.1	8497.6	9423.8	11352.5	11498.8
45°	9545.2	9531.2	9702.4	9738.2	9662.0	9381.8	8905.5	9990.4	12389.2	12650.7
47.5°	9479.8	9453.4	9690.0	9822.3	9883.0	9512.5	9243.2	10603.7	13447.7	13830.6
50°	9149.8	9098.5	9450.3	9728.9	9945.3	9598.1	9584.1	11312.0	14651.0	15069.7
52.5°	8556.8	8517.9	8917.9	9402.0	9808.3	9640.2	9967.1	12085.6	15793.5	16335.2
55°	7798.7	7747.3	8187.8	8819.8	9467.4	9626.2	10350.0	12951.1	17141.6	17691.0
57.5°	6597.0	6494.2	7051.5	7798.7	8911.7	9609.0	10748.5	13811.9	18511.4	19169.8
60°	4844.2	4691.7	5375.0	6260.7	7825.2	9442.5	11241.9	14777.0	20155.2	20748.3
62.5°	2820.6	2731.9	3178.6	4005.2	5898.1	8461.8	11519.0	15899.4	21771.0	22393.6
65°	2190.2	2165.3	2204.2	2268.0	3282.9	6335.5	10664.4	16993.7	23825.7	24261.6
67.5°	2003.4	1984.7	2001.8	1882.0	1665.6	3528.9	8436.9	17270.8	26026.8	26291.4
70°	1780.8	1759.0	1815.0	1712.3	1310.7	1604.9	5451.3	16265.2	27778.0	28274.5
72.5°	1450.8	1425.9	1556.6	1509.9	1103.6	1030.5	2738.1	13875.8	27594.3	28624.8
75°	1114.5	1100.5	1256.2	1295.1	899.7	811.0	1313.8	10314.2	24283.3	25321.6
77.5°	865.5	854.6	934.0	1075.6	725.4	628.9	807.9	6542.5	18299.7	18481.8
80°	649.1	618.0	691.1	832.8	565.1	459.2	547.9	3815.3	11567.3	10485.4
82.5°	406.3	390.7	451.4	555.7	398.5	316.0	356.5	2107.7	4635.6	2730.3
85°	231.9	225.7	245.9	317.6	216.4	182.1	203.9	930.9	846.8	582.2
87.5°	93.4	90.3	112.1	141.7	79.4	66.9	71.6	224.2	186.8	172.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P956575
 CATALOG NUMBER: GALN-SB9A-940-U-SL2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
5907.4	0°	5907.4	5907.4	5907.4	5907.4	5907.4	5907.4	5907.4	5907.4	5907.4	5907.4
5930.7	2.5°	5924.5	5924.5	5902.7	5868.5	5829.6	5804.7	5764.2	5753.3	5711.3	5698.8
5983.7	5°	5996.1	5983.7	5916.7	5820.2	5687.9	5566.5	5432.6	5348.6	5230.3	5188.2
6088.0	7.5°	6086.4	6052.2	5937.0	5725.3	5448.2	5175.8	4892.5	4677.7	4472.2	4399.0
6173.6	10°	6168.9	6120.6	5924.5	5554.0	5074.6	4602.9	4151.5	3835.5	3595.8	3497.7
6268.5	12.5°	6251.4	6162.7	5842.0	5269.2	4543.8	3904.0	3423.0	3177.1	3029.2	2910.9
6346.4	15°	6329.2	6204.7	5714.4	4887.8	3961.6	3312.5	2957.6	2761.5	2643.1	2565.3
6460.0	17.5°	6419.5	6240.5	5522.9	4403.7	3407.5	2903.1	2613.6	2495.3	2471.9	2462.6
6615.7	20°	6545.6	6273.2	5270.7	3862.0	2999.6	2576.2	2426.8	2415.9	2414.3	2409.7
6802.5	22.5°	6681.0	6312.1	4937.6	3370.1	2652.5	2372.3	2345.8	2324.0	2310.0	2308.5
7028.2	25°	6841.4	6324.6	4520.4	2966.9	2356.7	2275.8	2244.7	2212.0	2202.6	2202.6
7285.0	27.5°	6997.0	6282.5	4034.8	2616.7	2190.2	2187.1	2146.6	2135.7	2134.1	2138.8
7577.6	30°	7152.7	6203.1	3552.2	2292.9	2093.7	2093.7	2079.7	2087.4	2093.7	2109.2
7979.3	32.5°	7362.8	6119.1	3149.1	2053.2	2009.6	1994.0	2008.0	2023.6	2029.8	2050.1
8507.0	35°	7671.0	6059.9	2828.4	1922.4	1922.4	1902.2	1910.0	1906.9	1892.9	1883.5
9145.2	37.5°	8078.9	6056.8	2563.8	1861.7	1849.3	1846.2	1847.7	1827.5	1773.0	1707.6
9917.3	40°	8569.2	6140.9	2359.8	1819.7	1810.4	1829.0	1819.7	1765.2	1615.8	1502.1
10866.8	42.5°	9227.7	6380.6	2229.1	1768.3	1796.3	1819.7	1782.3	1594.0	1492.8	1416.5
11948.7	45°	10002.9	6769.8	2162.2	1713.8	1769.9	1797.9	1617.3	1534.8	1453.9	1362.0
13128.6	47.5°	10880.8	7260.1	2146.6	1662.5	1710.7	1727.9	1547.3	1509.9	1418.1	1318.5
14314.7	50°	11836.6	7840.7	2188.6	1601.8	1625.1	1566.0	1523.9	1489.7	1394.7	1296.7
15530.4	52.5°	12825.0	8480.5	2272.7	1519.3	1539.5	1474.1	1514.6	1485.0	1380.7	1248.4
16786.6	55°	13796.4	9124.9	2353.6	1422.8	1452.3	1391.6	1488.1	1466.3	1316.9	1167.5
18126.9	57.5°	14783.3	9766.3	2433.0	1337.1	1368.3	1312.2	1446.1	1416.5	1245.3	1092.8
19590.1	60°	15809.1	10388.9	2470.4	1254.6	1276.4	1239.1	1382.3	1330.9	1164.4	1016.5
21028.4	62.5°	16769.5	10907.3	2409.7	1172.1	1186.1	1170.6	1298.2	1229.7	1083.4	930.9
22527.5	65°	17733.1	11215.5	2222.9	1091.2	1094.3	1086.5	1179.9	1120.8	988.5	856.1
23839.7	67.5°	18606.3	11388.3	1925.5	1004.0	996.2	993.1	1069.4	1002.5	896.6	781.4
24837.5	70°	18791.6	10949.3	1471.0	901.3	901.3	893.5	948.0	879.5	795.4	702.0
24123.0	72.5°	17163.3	9210.5	1044.5	784.5	797.0	781.4	826.6	769.0	692.7	630.4
20790.3	75°	13840.0	6754.2	759.6	664.7	686.5	660.0	702.0	661.6	596.2	594.6
14327.2	77.5°	9509.4	4176.4	551.0	547.9	563.5	529.3	577.5	555.7	496.6	470.1
6235.8	80°	4058.1	1665.6	401.6	423.4	423.4	392.3	448.3	454.5	403.2	390.7
1203.3	82.5°	807.9	473.2	281.7	291.1	274.0	264.6	317.6	351.8	485.7	540.1
362.7	85°	242.8	174.3	169.7	158.8	140.1	141.7	186.8	353.4	435.9	249.1
119.9	87.5°	66.9	43.6	45.1	35.8	29.6	38.9	63.8	267.7	146.3	62.3
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>
5907.4
5719.0
5219.4
4408.4
3519.5
2949.8
2579.3
2468.8
2425.2
2325.6
2212.0
2151.3
2120.1
2067.2
1905.3
1709.2
1499.0
1413.4
1355.8
1310.7
1285.8
1239.1
1159.7
1089.6
1011.8
929.3
846.8
772.1
698.9
<i>611.8</i>
535.5
440.5
390.7
541.7
214.8
52.9
0.0

F REPORT)