

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: P948301

Luminaire Tested: **GALN-SB3B-927-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948301
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-SB3B-927-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10222 lumens
Efficiency: N/A
Efficacy: 93.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

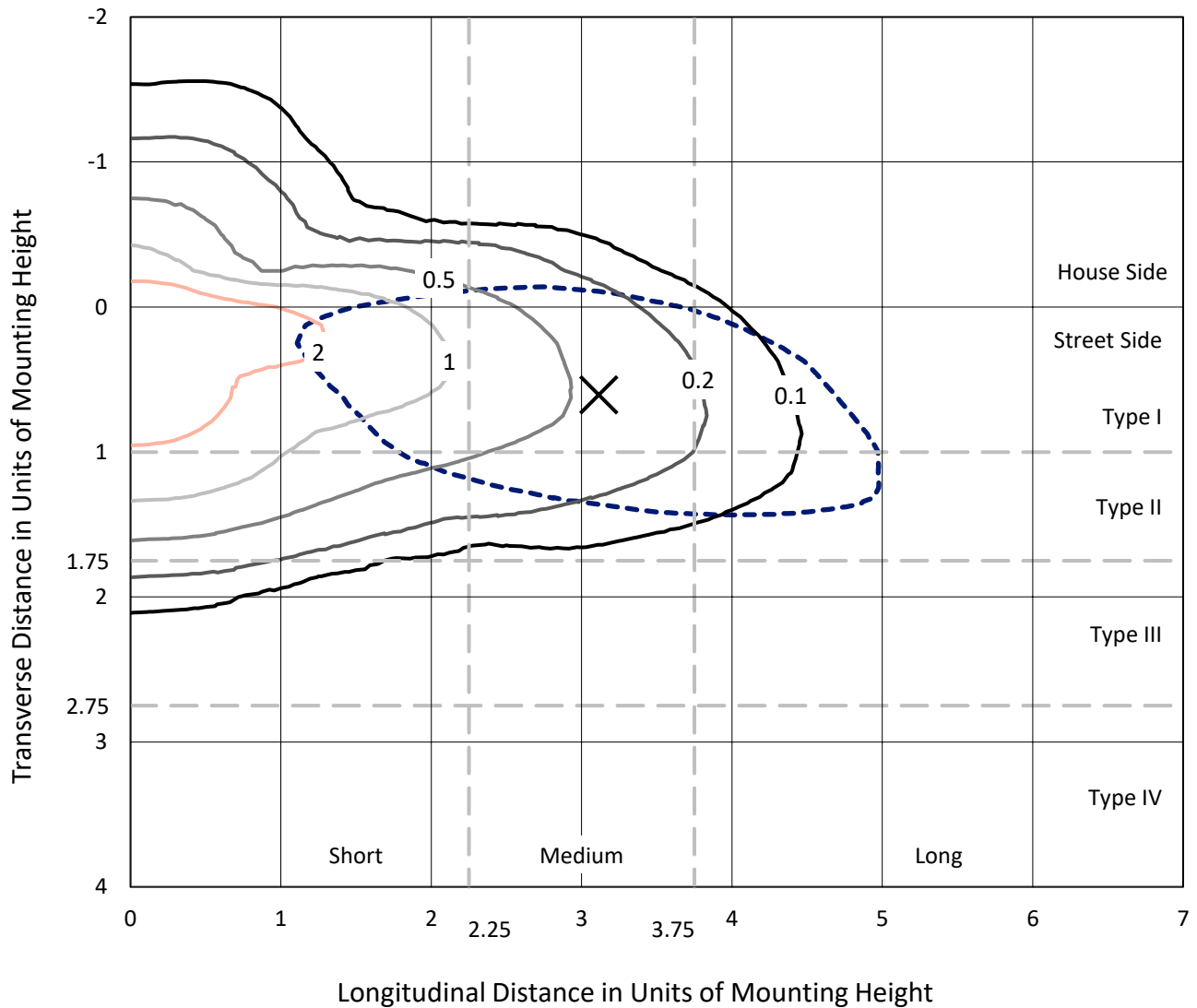
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P948301
 CATALOG NUMBER: GALN-SB3B-927-U-SL2

Iso-Footcandle Lines of Horizontal Illumination

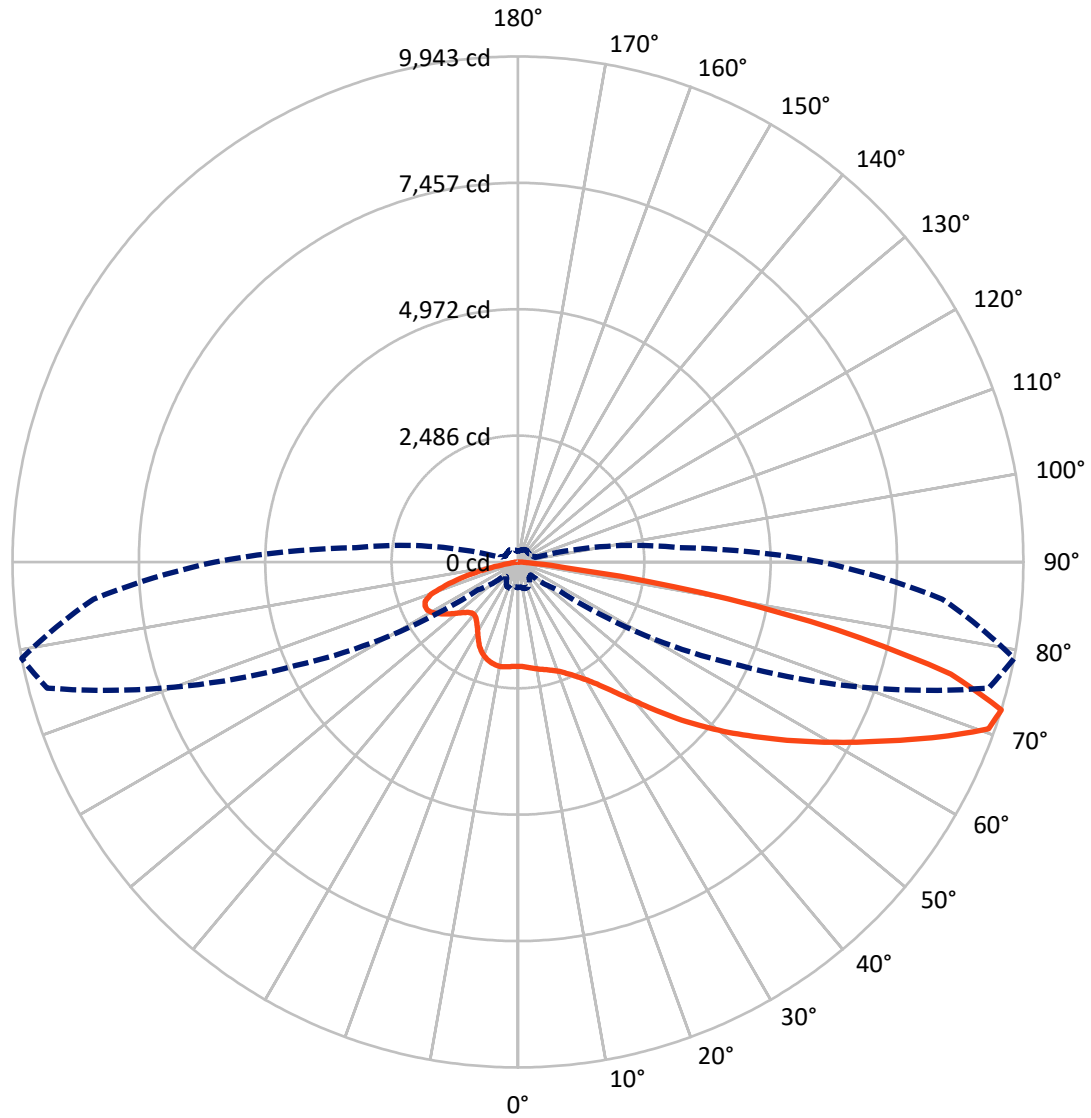
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
 Type II - Medium - N/A

REPORT NUMBER: P948301
CATALOG NUMBER: GALN-SB3B-927-U-SL2

Luminous Intensity Polar Plot



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

REPORT NUMBER: P948301
 CATALOG NUMBER: GALN-SB3B-927-U-SL2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2249.4	0.0	2249.4
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	7972.6	0.0	7972.6
	% Fixture	78.0	0.0	78.0
Total	Lumens	10222.0	0.0	10222.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.3	1.8
10°-20°	487.0	4.8
20°-30°	785.8	7.7
30°-40°	1179.3	11.5
40°-50°	1673.0	16.4
50°-60°	2112.7	20.7
60°-70°	2145.8	21.0
70°-80°	1462.4	14.3
80°-90°	189.7	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°	10222.0	100.0
0°-180°	10222.0	100.0

Coefficient of Utilization



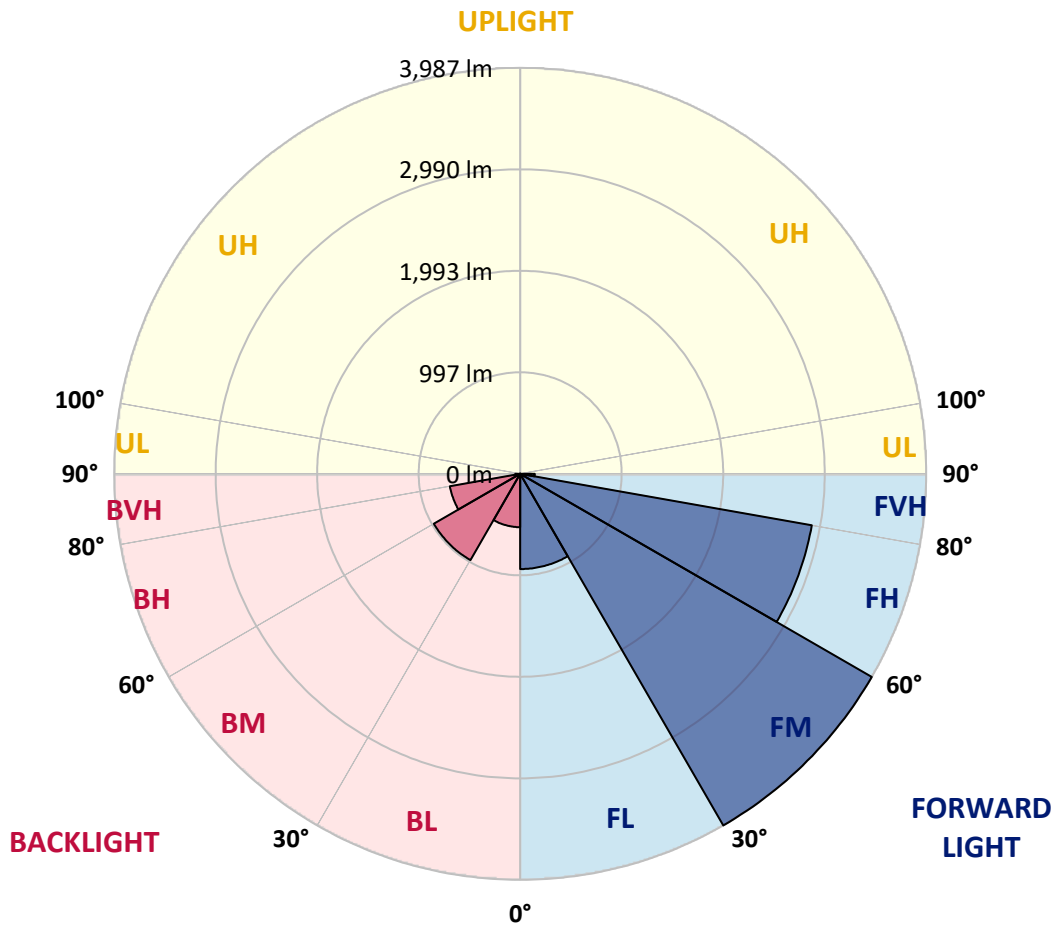
REPORT NUMBER: P948301
 CATALOG NUMBER: GALN-SB3B-927-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	935.1	9.1			
FM (30°-60°)	3986.8	39.0			
FH (60°-80°)	2907.8	28.4			G2/5000
FVH (80°-90°)	142.9	1.4			G2/225
BL (0°-30°)	523.9	5.1	B2/1000		
BM (30°-60°)	978.3	9.6	B1/1000		
BH (60°-80°)	700.4	6.9	B2/1000		G2/1000
BVH (80°-90°)	46.8	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 II Medium



REPORT NUMBER: P948301

CATALOG NUMBER: GALN-SB3B-927-U-SL2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°
0°	2052.0	2052.0	2052.0	2052.0	2052.0	2052.0	2052.0	2052.0	2052.0	2052.0
2.5°	2053.1	2043.3	2049.3	2047.1	2049.8	2053.1	2054.1	2055.8	2061.2	2060.6
5°	2048.7	2039.0	2047.1	2044.4	2051.4	2059.0	2065.5	2071.4	2080.1	2083.9
7.5°	2039.5	2033.0	2041.2	2049.3	2062.2	2073.6	2082.8	2096.3	2108.7	2110.9
10°	1986.0	1981.1	2000.1	2021.1	2056.8	2087.7	2107.7	2123.3	2136.9	2139.0
12.5°	1930.3	1924.4	1945.5	1974.1	2032.0	2087.7	2129.8	2150.4	2162.3	2169.3
15°	1921.1	1916.3	1928.1	1953.0	2001.1	2073.1	2145.0	2182.8	2193.1	2201.2
17.5°	1965.5	1956.3	1961.1	1969.8	1997.9	2059.5	2156.9	2219.6	2235.3	2243.9
20°	2068.2	2055.2	2047.6	2030.3	2025.5	2061.7	2155.8	2263.9	2284.5	2295.3
22.5°	2205.0	2196.3	2180.1	2136.3	2088.7	2088.2	2176.3	2320.7	2359.1	2369.4
25°	2370.4	2357.5	2336.9	2277.4	2186.1	2140.6	2210.9	2393.2	2457.5	2460.2
27.5°	2560.8	2541.3	2513.2	2434.8	2311.5	2222.8	2263.9	2476.4	2570.5	2569.4
30°	2761.4	2741.9	2712.2	2617.0	2461.8	2333.7	2337.5	2566.2	2704.6	2698.7
32.5°	2907.9	2893.3	2887.4	2813.8	2634.8	2464.5	2421.8	2665.7	2870.1	2864.6
35°	3020.4	3001.4	3008.5	2971.2	2823.6	2611.1	2525.1	2784.1	3071.2	3070.7
37.5°	3131.8	3115.0	3120.9	3096.1	2998.2	2797.1	2651.1	2929.0	3320.5	3332.4
40°	3233.4	3215.6	3239.4	3216.1	3133.9	2995.0	2794.4	3092.8	3609.2	3631.9
42.5°	3294.5	3280.4	3319.9	3320.5	3251.8	3162.0	2951.7	3273.4	3943.3	3994.2
45°	3315.6	3310.7	3370.2	3382.6	3356.1	3258.8	3093.4	3470.2	4303.5	4394.3
47.5°	3292.9	3283.7	3365.9	3411.8	3432.9	3304.2	3210.7	3683.3	4671.1	4804.1
50°	3178.3	3160.4	3282.6	3379.4	3454.6	3334.0	3329.1	3929.3	5089.1	5234.5
52.5°	2972.2	2958.7	3097.7	3265.8	3407.0	3348.6	3462.1	4198.0	5486.0	5674.1
55°	2708.9	2691.1	2844.1	3063.6	3288.6	3343.7	3595.1	4498.7	5954.2	6145.1
57.5°	2291.5	2255.8	2449.4	2708.9	3095.5	3337.8	3733.6	4797.7	6430.0	6658.8
60°	1682.7	1629.7	1867.0	2174.7	2718.1	3279.9	3905.0	5132.9	7001.0	7207.0
62.5°	979.8	948.9	1104.1	1391.2	2048.7	2939.3	4001.2	5522.7	7562.3	7778.6
65°	760.8	752.1	765.6	787.8	1140.3	2200.7	3704.4	5902.9	8276.0	8427.4
67.5°	695.9	689.4	695.3	653.7	578.6	1225.8	2930.6	5999.1	9040.6	9132.5
70°	618.6	611.0	630.5	594.8	455.3	557.5	1893.5	5649.8	9648.9	9821.3
72.5°	503.9	495.3	540.7	524.5	383.4	357.9	951.1	4819.8	9585.0	9943.0
75°	387.1	382.3	436.3	449.9	312.5	281.7	456.4	3582.7	8435.0	8795.6
77.5°	300.6	296.8	324.4	373.6	252.0	218.4	280.6	2272.6	6356.5	6419.8
80°	225.5	214.7	240.1	289.3	196.3	159.5	190.3	1325.3	4018.0	3642.2
82.5°	141.1	135.7	156.8	193.0	138.4	109.8	123.8	732.1	1610.2	948.4
85°	80.6	78.4	85.4	110.3	75.2	63.3	70.8	323.3	294.1	202.2
87.5°	32.4	31.4	38.9	49.2	27.6	23.3	24.9	77.9	64.9	60.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P948301
 CATALOG NUMBER: GALN-SB3B-927-U-SL2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2052.0	0°	2052.0	2052.0	2052.0	2052.0	2052.0	2052.0	2052.0	2052.0	2052.0	2052.0
2060.1	2.5°	2057.9	2057.9	2050.3	2038.5	2024.9	2016.3	2002.2	1998.4	1983.8	1979.5
2078.5	5°	2082.8	2078.5	2055.2	2021.7	1975.7	1933.6	1887.1	1857.9	1816.8	1802.2
2114.7	7.5°	2114.2	2102.3	2062.2	1988.7	1892.5	1797.8	1699.4	1624.8	1553.4	1528.0
2144.4	10°	2142.8	2126.0	2057.9	1929.2	1762.7	1598.9	1442.1	1332.3	1249.0	1215.0
2177.4	12.5°	2171.5	2140.6	2029.3	1830.3	1578.3	1356.1	1189.0	1103.6	1052.2	1011.1
2204.4	15°	2198.5	2155.2	1984.9	1697.8	1376.1	1150.6	1027.3	959.2	918.1	891.1
2243.9	17.5°	2229.9	2167.7	1918.4	1529.6	1183.6	1008.4	907.8	866.7	858.6	855.4
2298.0	20°	2273.7	2179.0	1830.8	1341.5	1041.9	894.9	843.0	839.2	838.6	837.0
2362.9	22.5°	2320.7	2192.6	1715.1	1170.6	921.4	824.0	814.8	807.3	802.4	801.9
2441.3	25°	2376.4	2196.9	1570.2	1030.6	818.6	790.5	779.7	768.3	765.1	765.1
2530.5	27.5°	2430.5	2182.3	1401.5	908.9	760.8	759.7	745.6	741.8	741.3	742.9
2632.1	30°	2484.5	2154.7	1233.9	796.5	727.2	727.2	722.4	725.1	727.2	732.7
2771.6	32.5°	2557.5	2125.5	1093.8	713.2	698.0	692.6	697.5	702.9	705.1	712.1
2954.9	35°	2664.6	2105.0	982.5	667.8	667.8	660.7	663.4	662.4	657.5	654.3
3176.6	37.5°	2806.3	2103.9	890.5	646.7	642.4	641.3	641.8	634.8	615.9	593.2
3444.8	40°	2976.6	2133.1	819.7	632.1	628.8	635.3	632.1	613.2	561.3	521.8
3774.7	42.5°	3205.3	2216.3	774.3	614.2	624.0	632.1	619.1	553.7	518.5	492.0
4150.4	45°	3474.6	2351.5	751.0	595.3	614.8	624.5	561.8	533.1	505.0	473.1
4560.3	47.5°	3779.5	2521.8	745.6	577.5	594.2	600.2	537.5	524.5	492.6	458.0
4972.3	50°	4111.5	2723.5	760.2	556.4	564.5	543.9	529.3	517.5	484.5	450.4
5394.6	52.5°	4454.9	2945.8	789.4	527.7	534.8	512.0	526.1	515.8	479.6	433.6
5830.9	55°	4792.3	3169.6	817.5	494.2	504.5	483.4	516.9	509.3	457.4	405.5
6296.5	57.5°	5135.1	3392.4	845.1	464.5	475.3	455.8	502.3	492.0	432.6	379.6
6804.8	60°	5491.4	3608.7	858.1	435.8	443.4	430.4	480.1	462.3	404.4	353.1
7304.4	62.5°	5825.0	3788.7	837.0	407.1	412.0	406.6	450.9	427.2	376.3	323.3
7825.1	65°	6159.7	3895.8	772.1	379.0	380.1	377.4	409.9	389.3	343.3	297.4
8280.9	67.5°	6463.0	3955.8	668.9	348.8	346.1	345.0	371.5	348.2	311.4	271.4
8627.5	70°	6527.4	3803.3	511.0	313.1	313.1	310.4	329.3	305.5	276.3	243.9
8379.3	72.5°	5961.8	3199.3	362.8	272.5	276.8	271.4	287.1	267.1	240.6	219.0
7221.6	75°	4807.4	2346.1	263.9	230.9	238.5	229.3	243.9	229.8	207.1	206.5
4976.6	77.5°	3303.2	1450.7	191.4	190.3	195.7	183.8	200.6	193.0	172.5	163.3
2166.1	80°	1409.6	578.6	139.5	147.1	147.1	136.3	155.7	157.9	140.0	135.7
418.0	82.5°	280.6	164.4	97.9	101.1	95.2	91.9	110.3	122.2	168.7	187.6
126.0	85°	84.3	60.6	58.9	55.2	48.7	49.2	64.9	122.7	151.4	86.5
41.6	87.5°	23.3	15.1	15.7	12.4	10.3	13.5	22.2	93.0	50.8	21.6
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°
2052.0
1986.5
1813.0
1531.3
1222.5
1024.6
895.9
857.6
842.4
807.8
768.3
747.3
736.4
718.1
661.8
593.7
520.7
491.0
471.0
455.3
446.6
430.4
402.8
378.5
351.5
322.8
294.1
268.2
242.8
212.5
186.0
153.0
135.7
188.2
74.6
18.4
0.0

F REPORT)