

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: P942544

Luminaire Tested: **GALN-SB6C-835-U-T2-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942544
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6C-835-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30760 lumens
Efficiency: N/A
Efficacy: 102.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

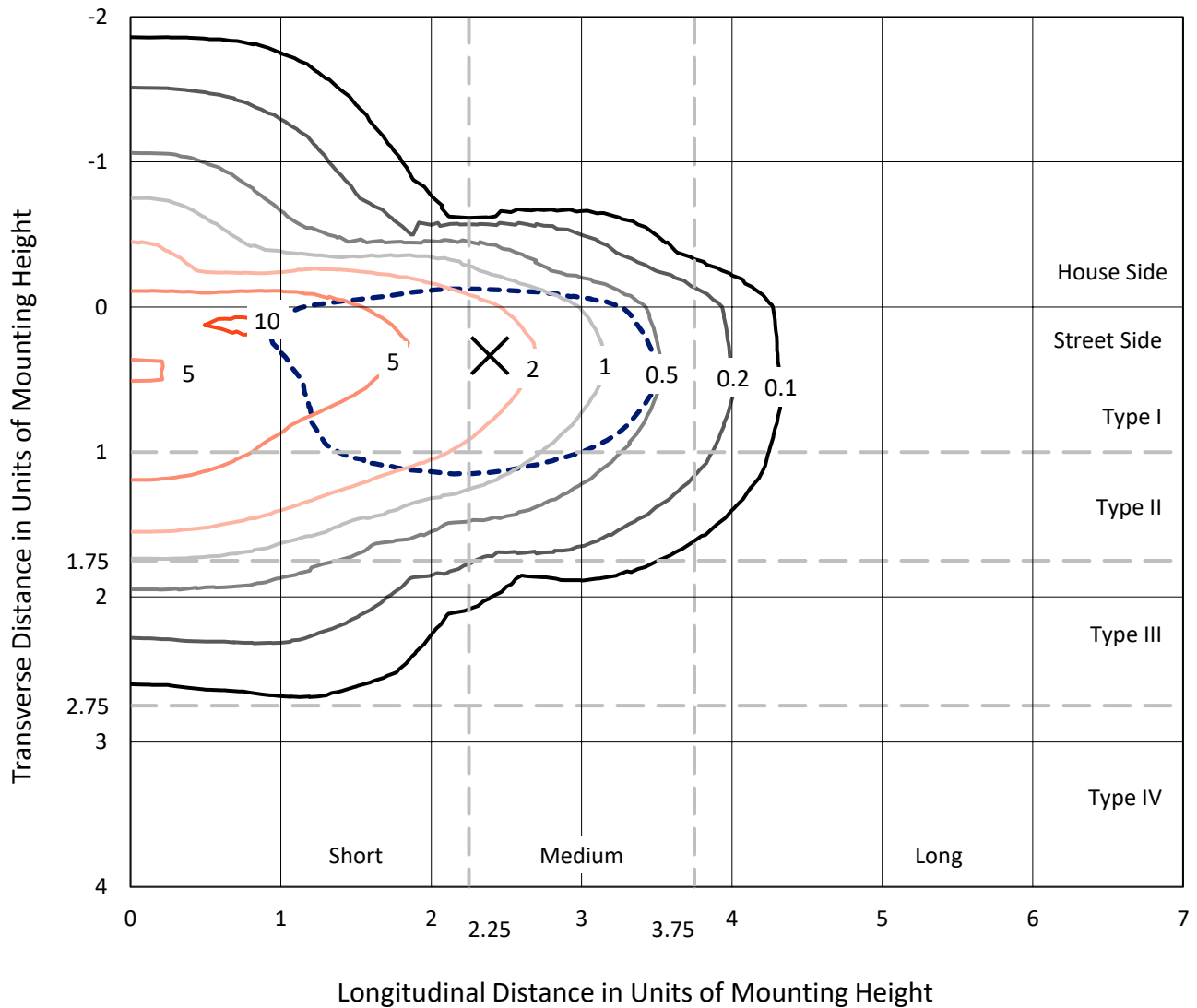
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P942544
 CATALOG NUMBER: GALN-SB6C-835-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination

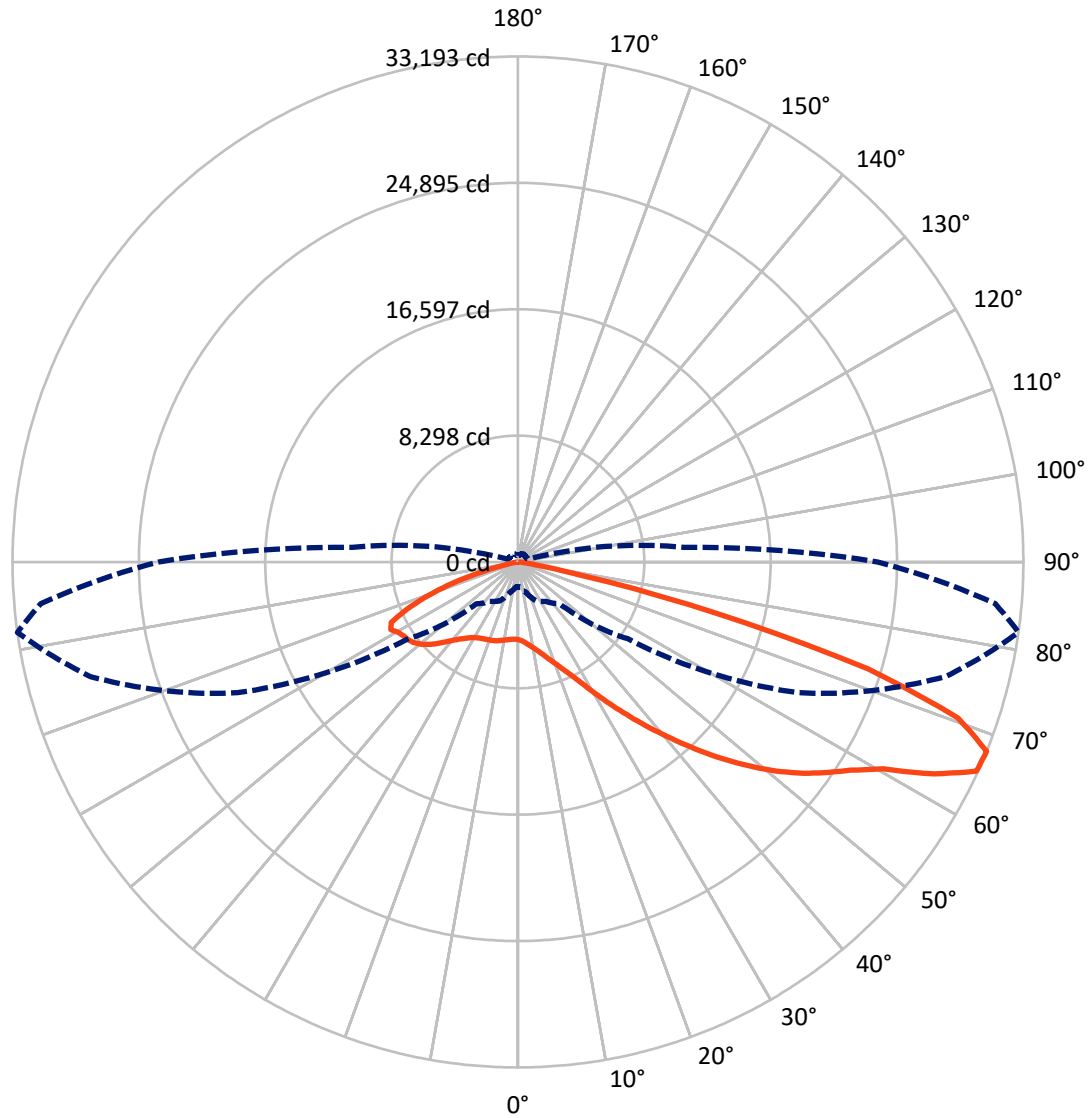
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.8 fc
 Type II - Medium - N/A

REPORT NUMBER: P942544
CATALOG NUMBER: GALN-SB6C-835-U-T2-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P942544

CATALOG NUMBER: GALN-SB6C-835-U-T2-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5571.9	0.0	5571.9
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	25188.1	0.0	25188.1
	% Fixture	81.9	0.0	81.9
Total	Lumens	30760.0	0.0	30760.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	454.0	1.5
10°-20°	1179.8	3.8
20°-30°	1889.6	6.1
30°-40°	3341.4	10.9
40°-50°	5854.5	19.0
50°-60°	7808.3	25.4
60°-70°	7269.1	23.6
70°-80°	2789.9	9.1
80°-90°	173.3	0.6
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°	30760.0	100.0
0°-180°	30760.0	100.0

Coefficient of Utilization



REPORT NUMBER: P942544

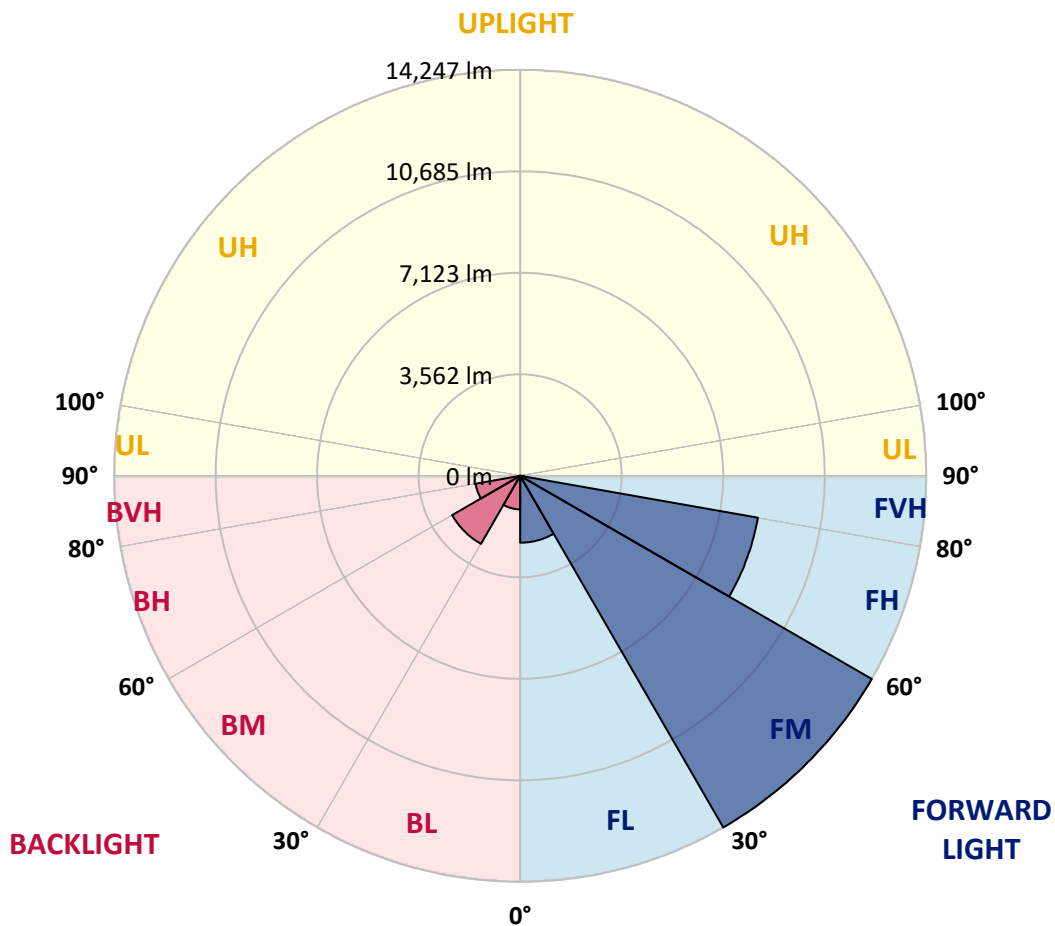
CATALOG NUMBER: GALN-SB6C-835-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2346.6	7.6			
FM (30°-60°)	14246.8	46.3			
FH (60°-80°)	8468.7	27.5			G4/12000
FVH (80°-90°)	126.0	0.4			G2/225
BL (0°-30°)	1176.8	3.8	B3/2500		
BM (30°-60°)	2757.5	9.0	B3/5000		
BH (60°-80°)	1590.3	5.2	B3/2500		G3/2500
BVH (80°-90°)	47.3	0.2			G1/100
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: P942544

CATALOG NUMBER: GALN-SB6C-835-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	5095.9	5095.9	5095.9	5095.9	5095.9	5095.9	5095.9	5095.9	5095.9	5095.9
2.5°	5386.0	5417.0	5399.3	5390.4	5374.9	5352.8	5335.1	5279.7	5222.1	5184.5
5°	5494.5	5525.5	5523.3	5532.2	5543.2	5549.9	5545.5	5483.5	5401.5	5337.3
7.5°	5401.5	5436.9	5465.7	5510.0	5587.5	5669.5	5709.3	5696.1	5611.9	5523.3
10°	5138.0	5175.6	5244.3	5348.4	5512.2	5689.4	5837.8	5906.4	5853.3	5755.9
12.5°	4655.2	4692.8	4827.9	5053.8	5328.4	5636.3	5919.7	6103.6	6116.8	6019.4
15°	4112.6	4150.2	4294.2	4577.7	4996.2	5490.1	5964.0	6311.7	6429.1	6344.9
17.5°	3776.0	3809.2	3917.7	4145.8	4582.1	5197.8	5948.5	6533.2	6801.2	6734.7
20°	3674.1	3702.9	3753.8	3913.3	4276.5	4894.4	5846.7	6741.4	7202.0	7164.4
22.5°	3782.6	3809.2	3824.7	3895.6	4123.7	4695.0	5718.2	6954.0	7667.1	7671.5
25°	4032.9	4059.4	4041.7	4086.0	4185.7	4633.0	5669.5	7204.2	8251.8	8300.5
27.5°	4444.8	4447.0	4404.9	4402.7	4418.2	4726.0	5720.4	7472.2	8989.2	9080.0
30°	5270.8	5237.6	5076.0	4901.0	4821.3	5005.1	5862.2	7788.9	9859.6	10021.3
32.5°	6544.3	6495.5	6198.8	5780.2	5359.4	5454.7	6116.8	8149.9	10807.5	11099.8
35°	7926.2	7912.9	7602.9	6980.6	6245.3	6094.7	6531.0	8623.8	11841.7	12306.8
37.5°	9210.7	9204.1	9026.9	8293.8	7399.1	6987.2	7195.4	9243.9	12949.0	13622.3
40°	10384.5	10404.4	10227.2	9571.7	8670.3	8132.2	8098.9	10010.2	14180.4	15055.1
42.5°	11398.8	11420.9	11241.5	10756.5	9926.0	9398.9	9208.5	10949.2	15382.9	16594.3
45°	12087.5	12224.8	12198.2	11810.7	11214.9	10667.9	10541.7	12127.4	16753.8	18226.5
47.5°	12282.4	12408.6	12608.0	12661.1	12297.9	11759.7	11910.3	13547.0	18140.1	19860.9
50°	11801.8	11919.2	12333.3	12884.8	13137.3	12971.2	13241.3	15068.4	19559.7	21490.9
52.5°	10854.0	10973.6	11496.2	12368.8	13398.6	13921.2	14576.8	16567.7	20935.0	23034.5
55°	9483.1	9609.3	10280.4	11268.1	12900.3	14313.2	15690.7	18064.8	22195.1	24423.1
57.5°	7618.4	7711.4	8409.0	9790.9	11646.8	13923.5	16512.4	19699.2	23382.2	25787.3
60°	4965.2	5047.2	5857.7	7399.1	9569.5	12621.2	16676.3	21521.9	24959.0	27561.2
62.5°	3302.0	3357.4	3838.0	4969.7	6739.2	10120.9	15717.3	22976.9	27271.1	30648.4
65°	2265.6	2320.9	2801.5	3589.9	4354.0	6694.9	12960.1	22784.2	29366.2	33100.0
67.5°	1616.7	1663.2	2070.7	2814.8	3151.4	3888.9	8785.5	20321.6	29065.0	33193.1
70°	1158.3	1184.8	1521.5	2192.5	2504.8	2336.4	4885.5	15542.4	25448.5	30650.6
72.5°	810.6	819.4	1056.4	1669.8	2017.5	1705.3	2325.4	10362.3	19247.5	24057.7
75°	549.2	560.3	710.9	1224.7	1618.9	1302.2	1231.3	5556.5	11299.1	13316.6
77.5°	336.6	341.1	458.4	837.1	1211.4	992.2	792.8	2354.2	4371.7	4292.0
80°	190.5	190.5	292.3	520.4	826.1	640.0	555.9	1001.0	1384.2	1215.8
82.5°	106.3	108.5	212.6	323.3	547.0	378.7	305.6	462.9	598.0	529.3
85°	44.3	48.7	130.7	152.8	261.3	188.2	124.0	194.9	221.5	197.1
87.5°	4.4	6.6	39.9	28.8	31.0	37.6	17.7	37.6	31.0	31.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P942544
 CATALOG NUMBER: GALN-SB6C-835-U-T2-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
5095.9	0°	5095.9	5095.9	5095.9	5095.9	5095.9	5095.9	5095.9	5095.9	5095.9	5095.9
5171.2	2.5°	5129.1	5095.9	5011.7	4914.3	4785.8	4723.8	4639.7	4582.1	4533.4	4537.8
5299.6	5°	5228.8	5144.6	4956.4	4721.6	4429.3	4221.1	3999.6	3846.8	3722.8	3696.2
5476.8	7.5°	5366.1	5233.2	4903.2	4480.2	3986.4	3612.1	3277.7	3062.8	2910.0	2861.3
5691.6	10°	5543.2	5350.6	4834.6	4176.8	3465.9	2989.8	2631.0	2462.7	2358.6	2323.2
5944.1	12.5°	5749.2	5485.7	4743.8	3807.0	2930.0	2471.5	2243.4	2159.3	2126.1	2115.0
6254.1	15°	6008.3	5654.0	4606.5	3368.5	2476.0	2154.8	2057.4	2046.3	2050.8	2046.3
6626.2	17.5°	6316.2	5837.8	4382.8	2916.7	2170.3	1993.2	1957.7	1966.6	1977.7	1975.5
7042.6	20°	6652.8	6019.4	4097.1	2515.8	1962.2	1878.0	1858.1	1866.9	1875.8	1871.4
7523.1	22.5°	7035.9	6214.3	3780.4	2203.6	1822.7	1771.7	1749.6	1751.8	1751.8	1742.9
8132.2	25°	7494.3	6429.1	3448.2	1982.1	1716.3	1676.5	1649.9	1641.0	1627.8	1601.2
8871.9	27.5°	8041.4	6657.2	3129.3	1827.1	1632.2	1594.5	1563.5	1541.4	1508.2	1463.9
9759.9	30°	8657.0	6934.0	2859.1	1729.6	1565.8	1528.1	1492.7	1459.4	1410.7	1355.4
10780.9	32.5°	9381.2	7230.8	2662.0	1665.4	1506.0	1466.1	1424.0	1384.2	1331.0	1275.6
11928.1	35°	10244.9	7589.6	2546.8	1621.1	1459.4	1406.3	1359.8	1315.5	1275.6	1226.9
13174.9	37.5°	11181.7	7970.5	2511.4	1599.0	1428.4	1346.5	1293.4	1262.3	1257.9	1229.1
14523.6	40°	12207.1	8422.3	2538.0	1585.7	1395.2	1288.9	1231.3	1224.7	1235.8	1184.8
15965.4	42.5°	13292.3	8958.2	2582.3	1570.2	1348.7	1231.3	1176.0	1176.0	1167.1	1096.2
17489.0	45°	14466.0	9576.1	2626.6	1532.5	1293.4	1173.8	1131.7	1116.2	1078.5	1009.9
19021.6	47.5°	15648.7	10205.1	2659.8	1463.9	1226.9	1125.0	1087.4	1052.0	996.6	934.6
20525.3	50°	16771.5	10769.8	2624.4	1362.0	1151.6	1078.5	1038.7	989.9	930.1	888.1
21949.3	52.5°	17774.7	11259.2	2473.8	1242.4	1071.9	1029.8	994.4	943.4	894.7	850.4
23233.8	55°	18647.3	11655.7	2208.0	1129.5	1001.0	987.7	952.3	888.1	821.6	784.0
24507.2	57.5°	19484.4	11956.9	1875.8	1036.5	936.8	941.2	888.1	830.5	768.5	728.6
26223.6	60°	20598.4	12359.9	1539.2	950.1	868.1	881.4	823.8	781.8	704.3	653.3
29166.8	62.5°	22379.0	12986.7	1222.5	843.8	788.4	792.8	768.5	717.5	624.5	564.7
31348.3	65°	23791.9	12756.3	963.4	728.6	697.6	704.3	704.3	648.9	549.2	480.6
31465.6	67.5°	23632.4	10922.6	768.5	615.7	611.2	615.7	631.2	584.7	487.2	431.9
29069.4	70°	21769.9	8688.0	615.7	511.6	531.5	520.4	564.7	533.7	438.5	383.1
22536.2	72.5°	17763.6	6258.6	469.5	423.0	407.5	425.2	509.4	480.6	365.4	303.4
11936.9	75°	10380.0	3339.7	349.9	334.4	294.5	354.3	451.8	409.7	279.0	223.7
3658.6	77.5°	3379.5	1164.9	256.9	245.8	219.2	285.7	385.3	345.5	228.1	177.2
1071.9	80°	905.8	352.1	175.0	161.7	141.7	212.6	305.6	274.6	163.9	115.2
460.6	82.5°	363.2	148.4	101.9	90.8	77.5	146.2	241.4	221.5	121.8	73.1
144.0	85°	117.4	48.7	37.6	28.8	35.4	90.8	144.0	150.6	86.4	37.6
22.1	87.5°	15.5	6.6	6.6	8.9	6.6	15.5	44.3	42.1	24.4	4.4
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>
5095.9
4493.5
3636.4
2812.6
2296.6
2108.3
2044.1
1971.0
1869.2
1738.5
1596.8
1459.4
1350.9
1277.8
1222.5
1226.9
1187.0
1096.2
1007.7
932.4
881.4
846.0
779.6
724.2
646.7
560.3
473.9
423.0
376.5
296.8
217.0
170.5
112.9
73.1
28.8
0.0
0.0

F REPORT)