

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: P952566

Luminaire Tested: **GALN-SB6B-850-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952566
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB6B-850-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31922 lumens
Efficiency: N/A
Efficacy: 144.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G5

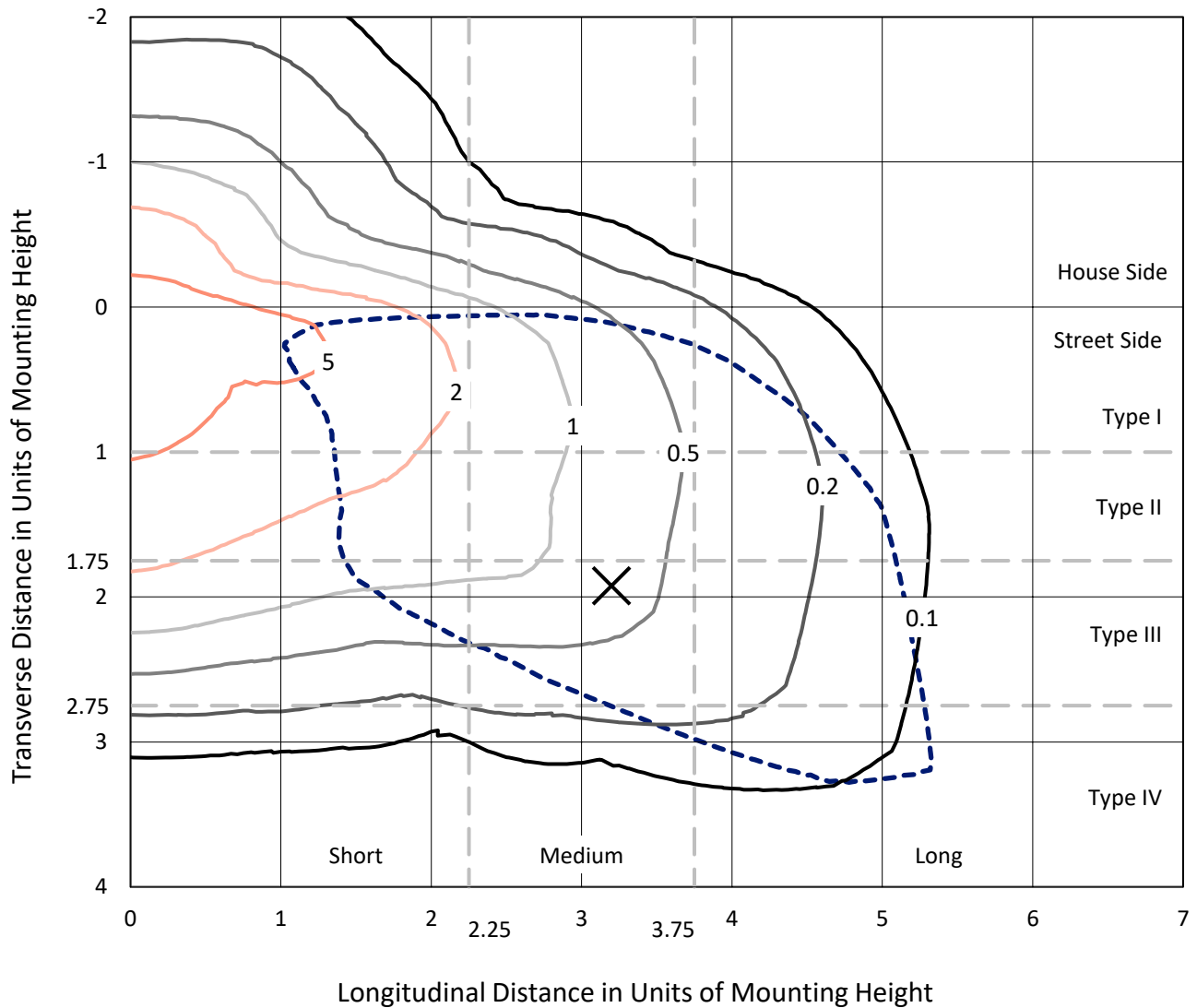
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P952566
 CATALOG NUMBER: GALN-SB6B-850-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

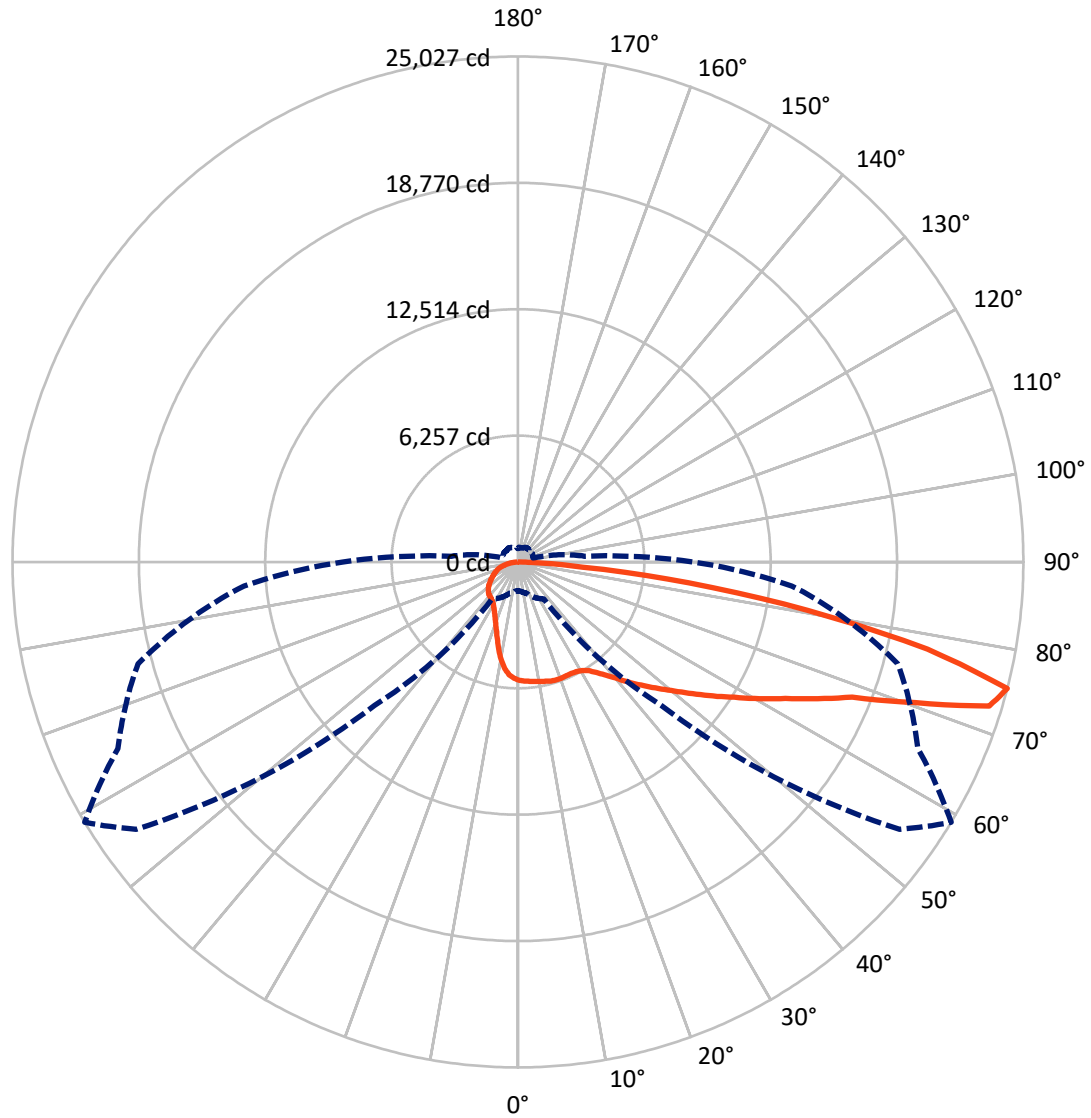
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 fc
 Type IV - Medium - N/A

REPORT NUMBER: P952566
CATALOG NUMBER: GALN-SB6B-850-U-SL3

Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P952566
 CATALOG NUMBER: GALN-SB6B-850-U-SL3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5987.2	0.0	5987.2
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	25934.8	0.0	25934.8
	% Fixture	81.2	0.0	81.2
Total	Lumens	31922.0	0.0	31922.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	525.4	1.6
10°-20°	1342.9	4.2
20°-30°	2039.7	6.4
30°-40°	3032.0	9.5
40°-50°	4509.1	14.1
50°-60°	6120.6	19.2
60°-70°	7472.3	23.4
70°-80°	5864.1	18.4
80°-90°	1015.8	3.2
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°	31922.0	100.0
0°-180°	31922.0	100.0

Coefficient of Utilization

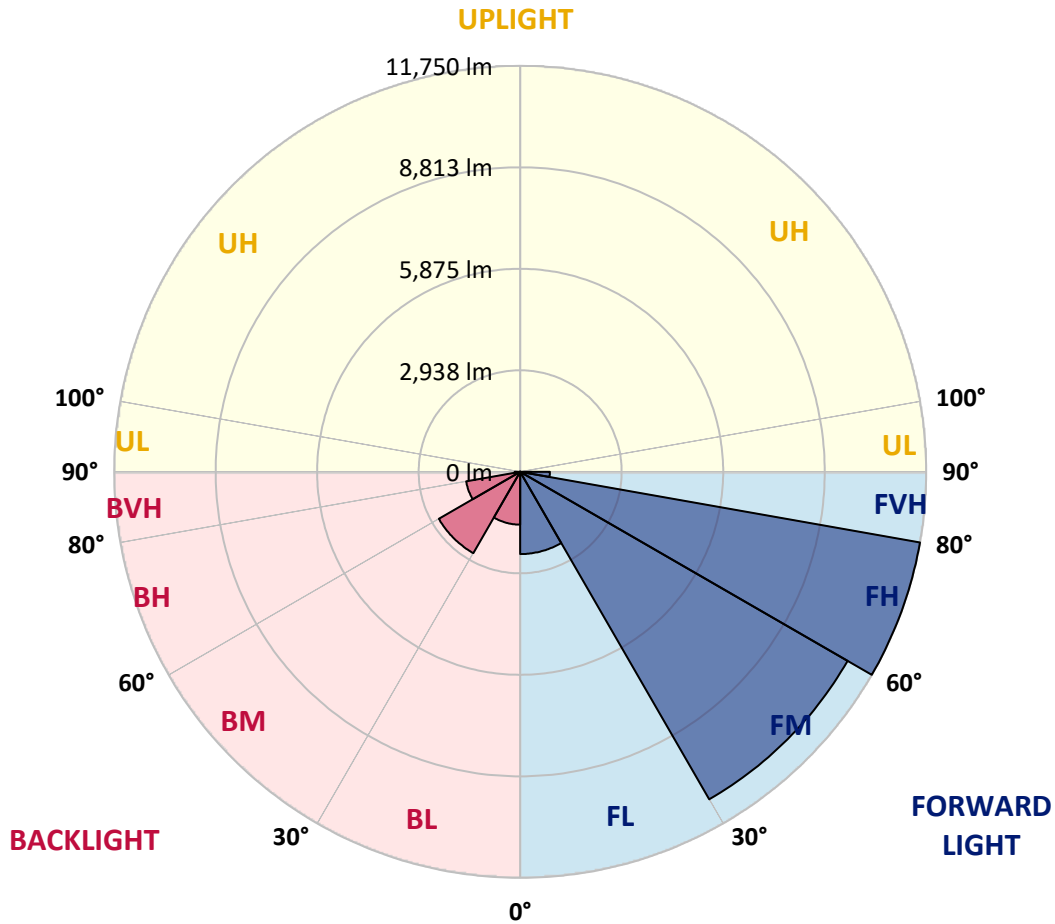


REPORT NUMBER: P952566
 CATALOG NUMBER: GALN-SB6B-850-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2380.1	7.5			
FM (30°-60°)	10944.2	34.3			
FH (60°-80°)	11750.2	36.8			G4/12000
FVH (80°-90°)	860.3	2.7			G5
BL (0°-30°)	1527.9	4.8	B3/2500		
BM (30°-60°)	2717.6	8.5	B3/5000		
BH (60°-80°)	1586.2	5.0	B3/2500		G3/2500
BVH (80°-90°)	155.5	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-G5
 Type IV Medium



REPORT NUMBER: P952566
 CATALOG NUMBER: GALN-SB6B-850-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	5859.2	5859.2	5859.2	5859.2	5859.2	5859.2	5859.2	5859.2	5859.2	5859.2
2.5°	5909.0	5888.4	5909.0	5900.4	5897.0	5890.1	5891.8	5903.9	5897.0	5905.6
5°	5869.5	5857.5	5878.1	5872.9	5895.3	5898.7	5921.0	5934.8	5943.4	5945.1
7.5°	5804.3	5792.2	5821.4	5845.5	5893.6	5907.3	5953.7	5976.0	5988.0	6008.6
10°	5565.6	5560.4	5632.5	5723.6	5836.9	5907.3	5977.7	6015.5	6034.4	6089.3
12.5°	5143.1	5150.0	5244.4	5419.6	5646.3	5872.9	6005.2	6060.1	6089.3	6158.0
15°	4739.6	4737.9	4840.9	5028.1	5345.8	5721.8	6018.9	6113.4	6163.2	6264.5
17.5°	4506.0	4499.2	4571.3	4713.8	5009.2	5490.0	5984.6	6142.6	6249.0	6376.1
20°	4463.1	4449.4	4487.1	4557.5	4767.0	5235.9	5895.3	6142.6	6317.7	6482.6
22.5°	4619.4	4597.0	4581.6	4573.0	4665.7	5026.4	5794.0	6121.9	6419.0	6635.4
25°	4933.6	4899.3	4820.3	4743.0	4715.5	4931.9	5704.7	6116.8	6570.1	6841.5
27.5°	5441.9	5399.0	5239.3	5053.8	4887.3	4980.0	5665.2	6147.7	6736.7	7059.6
30°	6072.1	6025.8	5824.9	5539.8	5241.0	5158.6	5715.0	6238.7	6949.7	7349.8
32.5°	6637.1	6585.6	6413.9	6123.7	5720.1	5467.7	5872.9	6412.2	7284.5	7753.3
35°	7138.6	7078.5	6923.9	6656.0	6307.4	5902.1	6158.0	6719.5	7760.2	8409.3
37.5°	7629.7	7559.3	7391.0	7107.6	6863.8	6480.9	6551.3	7114.5	8392.1	9206.1
40°	8179.2	8077.9	7873.5	7593.6	7356.6	7159.2	7068.1	7598.8	9034.4	10095.6
42.5°	8711.5	8615.4	8371.5	8132.8	7835.8	7779.1	7667.5	8165.5	9736.7	11072.7
45°	9285.1	9170.0	8874.7	8572.4	8385.3	8191.2	8247.9	8732.1	10425.3	12068.7
47.5°	9822.6	9693.8	9345.2	9008.6	8905.6	8538.1	8780.2	9355.5	11141.4	13078.5
50°	10112.8	9985.7	9695.5	9391.6	9310.9	8965.7	9357.2	10040.7	11891.9	14084.8
52.5°	10354.9	10217.6	9838.0	9669.8	9645.7	9431.1	10068.2	10823.7	12642.3	14974.3
55°	10612.5	10459.7	9975.4	9824.3	9934.2	9953.1	10911.3	11711.6	13435.7	15841.5
57.5°	10909.6	10715.6	10107.7	9954.8	10215.8	10564.4	11879.8	12632.0	14215.3	16645.2
60°	11189.5	10993.8	10361.8	10162.6	10519.8	11273.7	12990.9	13746.5	15097.9	17361.3
62.5°	11244.5	11083.0	10564.4	10562.7	10931.9	12101.4	14306.3	14871.3	15869.0	18068.8
65°	10293.1	10191.8	9884.4	10547.3	11522.7	13293.1	15771.1	16310.3	16849.5	18687.0
67.5°	7834.0	7847.8	7825.4	9104.8	11045.3	15005.2	17891.9	17850.7	18060.2	19380.7
70°	3582.2	3662.9	4188.3	6285.1	8848.9	15202.7	21398.5	20864.4	19579.9	20278.8
72.5°	1935.3	1997.1	2211.8	3044.7	5320.0	13516.4	24019.0	24398.5	21601.1	20883.3
75°	1420.2	1454.5	1603.9	1935.3	2234.1	10045.8	23079.7	25027.0	21853.6	19473.5
77.5°	1063.0	1078.4	1200.3	1533.5	1143.7	5296.0	18441.4	20727.0	18707.6	15999.5
80°	771.0	788.2	879.2	1150.5	801.9	1937.0	12662.9	14548.4	12812.3	10198.7
82.5°	532.3	539.2	578.7	783.1	559.8	752.1	7184.9	8531.2	7152.3	3578.7
85°	321.1	329.7	346.9	456.8	317.7	357.2	3101.3	3207.8	2138.0	855.2
87.5°	132.2	140.8	154.6	192.3	125.4	99.6	511.7	642.2	400.1	250.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P952566
 CATALOG NUMBER: GALN-SB6B-850-U-SL3

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
5859.2	0°	5859.2	5859.2	5859.2	5859.2	5859.2	5859.2	5859.2	5859.2	5859.2	5859.2
5876.4	2.5°	5867.8	5855.8	5823.1	5778.5	5737.3	5685.8	5663.4	5644.6	5627.4	5594.8
5922.7	5°	5903.9	5871.2	5783.7	5670.3	5541.5	5400.7	5263.3	5168.9	5088.2	5028.1
5976.0	7.5°	5958.8	5897.0	5737.3	5505.5	5210.1	4907.9	4634.8	4440.8	4294.8	4241.6
6051.5	10°	6015.5	5941.6	5663.4	5254.7	4744.7	4279.4	3917.0	3717.8	3601.0	3563.3
6140.8	12.5°	6082.5	5974.3	5548.4	4906.1	4224.4	3714.4	3398.4	3281.6	3221.5	3200.9
6250.7	15°	6180.3	6001.7	5375.0	4470.0	3728.1	3302.2	3097.9	3017.2	2986.3	2984.6
6364.1	17.5°	6254.2	6006.9	5105.3	4002.9	3346.9	3053.2	2885.0	2854.0	2874.7	2905.6
6475.7	20°	6336.6	5960.5	4751.6	3577.0	3079.0	2835.2	2764.8	2785.4	2835.2	2879.8
6623.4	22.5°	6395.0	5876.4	4324.0	3245.6	2847.2	2709.8	2706.4	2749.3	2776.8	2799.1
6796.8	25°	6446.5	5733.9	3870.7	2967.4	2656.6	2634.2	2672.0	2658.3	2639.4	2658.3
6970.3	27.5°	6484.3	5508.9	3465.4	2723.5	2522.6	2582.7	2560.4	2529.5	2527.8	2538.1
7174.6	30°	6472.3	5208.4	3132.2	2491.7	2428.2	2486.6	2433.3	2428.2	2423.0	2428.2
7482.0	32.5°	6472.3	4866.6	2876.4	2332.0	2368.1	2345.7	2340.6	2328.6	2308.0	2306.2
7899.3	35°	6508.3	4524.9	2656.6	2246.1	2318.3	2265.0	2268.5	2239.3	2196.3	2175.7
8452.2	37.5°	6582.2	4250.2	2438.5	2204.9	2230.7	2229.0	2215.2	2165.4	2089.9	2024.6
9142.6	40°	6760.8	4169.5	2289.1	2186.0	2189.5	2210.1	2174.0	2077.9	1906.1	1799.7
9843.2	42.5°	7040.7	4305.1	2256.4	2139.7	2162.0	2182.6	2112.2	1889.0	1767.0	1703.5
10578.2	45°	7396.1	4542.1	2326.9	2072.7	2096.7	2132.8	1923.3	1816.8	1761.9	1763.6
11306.3	47.5°	7846.1	4791.1	2457.4	2014.3	2002.3	2022.9	1797.9	1732.7	1657.1	1676.0
12005.2	50°	8366.4	5043.5	2581.0	1935.3	1897.5	1830.6	1717.2	1655.4	1559.3	1514.6
12680.1	52.5°	8929.6	5287.4	2630.8	1839.2	1784.2	1706.9	1662.3	1586.7	1470.0	1396.1
13317.2	55°	9463.7	5508.9	2575.9	1724.1	1670.9	1610.8	1603.9	1557.5	1432.2	1329.1
13883.9	57.5°	9968.6	5694.4	2438.5	1607.3	1555.8	1519.8	1566.1	1543.8	1385.8	1253.6
14419.6	60°	10396.2	5821.4	2239.3	1488.8	1452.8	1433.9	1504.3	1497.4	1320.6	1172.9
14900.5	62.5°	10736.2	5871.2	2019.5	1375.5	1366.9	1332.6	1418.4	1418.4	1238.1	1093.9
15322.9	65°	11002.3	5823.1	1796.2	1263.9	1281.1	1229.5	1313.7	1303.4	1150.5	1023.5
15808.9	67.5°	11237.6	5665.2	1548.9	1154.0	1193.5	1128.2	1203.8	1179.7	1054.4	953.1
16229.6	70°	11342.3	5297.7	1267.3	1044.1	1092.2	1028.6	1093.9	1049.2	946.2	877.5
15767.7	72.5°	10500.9	4403.0	997.7	929.0	970.2	918.7	975.4	923.9	829.4	798.5
13616.0	75°	8687.5	3304.0	767.6	803.7	834.6	795.1	832.9	795.1	709.2	731.5
10057.9	77.5°	6309.1	2230.7	587.3	671.4	685.2	664.6	697.2	654.3	577.0	571.8
5012.6	80°	3137.4	1306.8	460.2	530.6	525.5	511.7	549.5	528.9	463.7	491.1
1353.2	82.5°	908.4	559.8	334.9	372.6	362.3	365.8	393.2	403.6	604.5	599.3
420.7	85°	285.1	219.8	200.9	207.8	197.5	202.6	231.8	460.2	425.9	249.0
130.5	87.5°	73.8	75.6	49.8	53.2	55.0	65.3	73.8	279.9	133.9	87.6
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

<u>180°</u>
5859.2
5579.3
4978.3
4148.8
3504.9
3206.1
2991.4
2917.6
2895.3
2811.1
2670.3
2555.2
2447.1
2328.6
2196.3
2046.9
1813.4
1703.5
1772.2
1724.1
1526.6
1394.4
1329.1
1246.7
1167.7
1088.7
1016.6
946.2
863.8
772.8
668.0
546.1
486.0
613.1
269.6
92.7
0.0

F REPORT)