

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: STREETWORKS

Report Number: P846663

Luminaire Tested: **GLAN-SB2B-927-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846663
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2B-927-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7189 lumens
Efficiency: N/A
Efficacy: 97.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G2

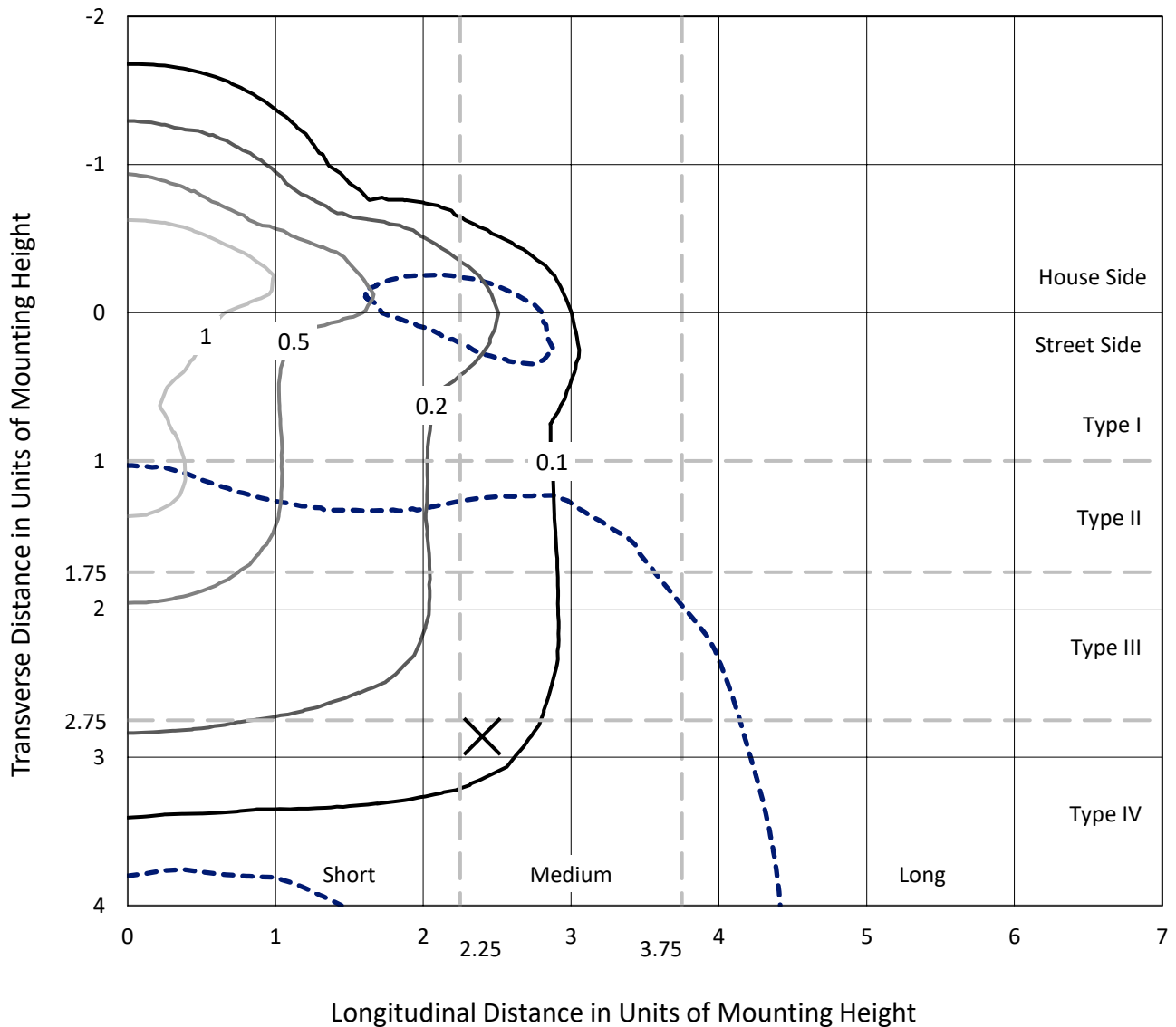
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P846663
 CATALOG NUMBER: GLAN-SB2B-927-U-SL4

Iso-Footcandle Lines of Horizontal Illumination

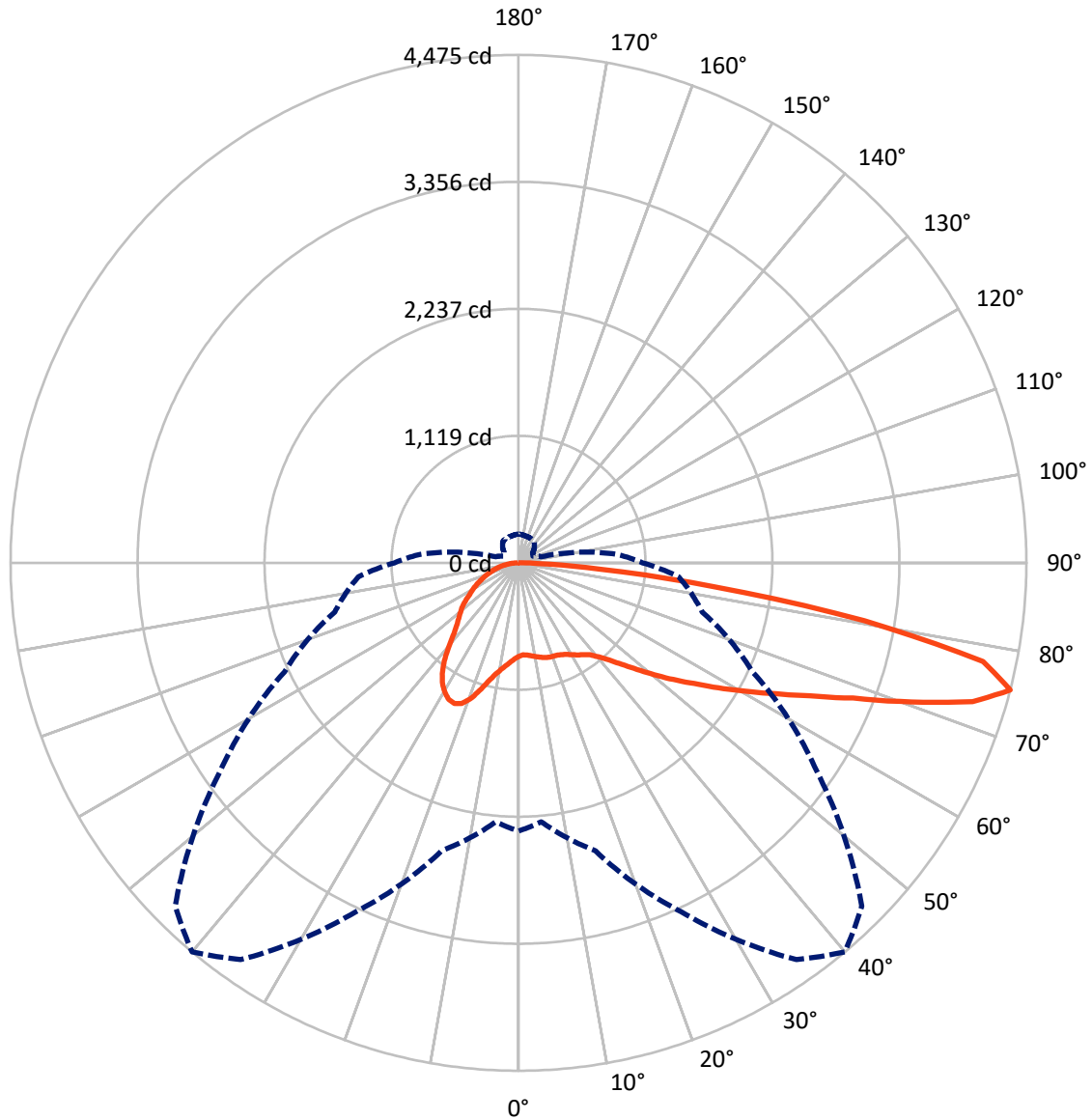
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type IV - Medium - N/A

REPORT NUMBER: P846663
CATALOG NUMBER: GLAN-SB2B-927-U-SL4

Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P846663
 CATALOG NUMBER: GLAN-SB2B-927-U-SL4

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2227.4	0.0	2227.4
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	4961.6	0.0	4961.6
	% Fixture	69.0	0.0	69.0
Total	Lumens	7189.0	0.0	7189.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.1	1.1
10°-20°	275.5	3.8
20°-30°	503.1	7.0
30°-40°	713.5	9.9
40°-50°	963.4	13.4
50°-60°	1296.0	18.0
60°-70°	1645.0	22.9
70°-80°	1492.9	20.8
80°-90°	217.6	3.0
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°	7189.0	100.0
0°-180°	7189.0	100.0

Coefficient of Utilization

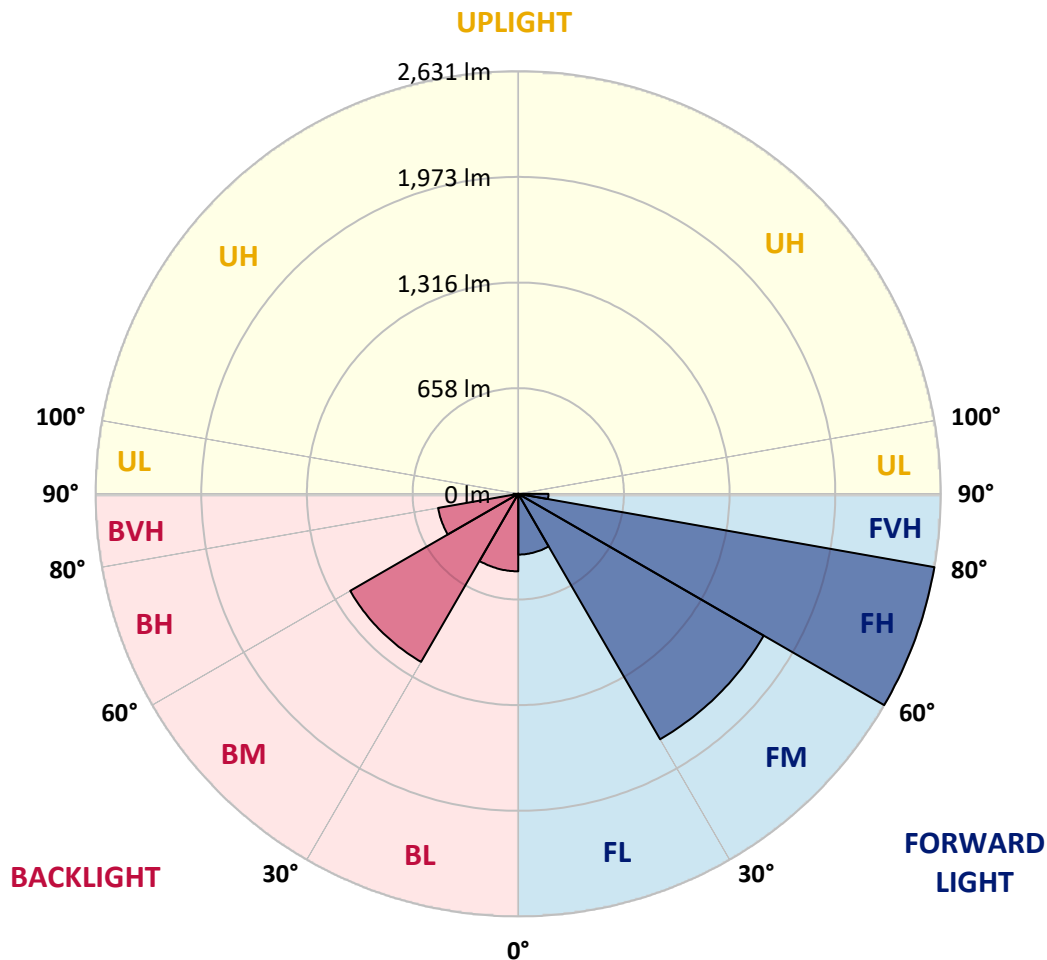


REPORT NUMBER: P846663
 CATALOG NUMBER: GLAN-SB2B-927-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	378.2	5.3			
FM (30°-60°)	1764.7	24.5			
FH (60°-80°)	2631.1	36.6			G2/5000
FVH (80°-90°)	187.7	2.6			G2/225
BL (0°-30°)	482.5	6.7	B1/500		
BM (30°-60°)	1208.2	16.8	B2/2500		
BH (60°-80°)	506.8	7.0	B2/1000		G2/1000
BVH (80°-90°)	30.0	0.4			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 IV Medium



REPORT NUMBER: P846663
 CATALOG NUMBER: GLAN-SB2B-927-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	822.1	822.1	822.1	822.1	822.1	822.1	822.1	822.1	822.1	822.1
2.5°	809.5	814.1	812.9	811.4	811.4	811.8	811.4	814.1	816.7	819.4
5°	817.9	822.5	820.2	818.3	816.7	816.4	815.2	814.8	816.4	819.8
7.5°	834.3	838.8	835.4	832.0	828.9	827.4	825.9	823.6	822.5	824.4
10°	852.6	857.2	853.0	846.9	841.9	840.0	838.5	836.2	834.7	835.8
12.5°	870.9	875.5	869.7	861.3	854.9	853.7	851.8	851.1	850.7	850.3
15°	888.0	891.8	884.6	874.7	867.8	865.9	864.0	865.2	867.1	869.4
17.5°	901.4	905.2	894.5	881.6	875.1	874.3	873.2	877.0	882.3	888.0
20°	913.6	917.4	903.7	886.1	878.5	878.5	878.9	886.9	894.5	902.9
22.5°	930.7	933.8	917.0	893.0	881.9	882.7	885.7	893.8	903.3	914.7
25°	956.3	958.6	938.0	906.0	893.4	895.7	898.3	902.1	911.3	924.6
27.5°	997.5	999.4	972.3	928.8	909.8	913.6	917.4	914.7	918.9	930.4
30°	1055.4	1056.6	1022.3	964.7	937.6	939.5	940.3	929.2	921.2	930.4
32.5°	1124.1	1123.7	1082.9	1008.1	969.3	967.3	960.9	939.1	920.4	928.5
35°	1230.4	1226.2	1173.6	1069.2	1005.1	993.3	978.0	950.2	924.3	926.5
37.5°	1406.6	1393.6	1320.8	1169.1	1058.5	1028.4	1005.9	968.1	932.6	925.8
40°	1605.3	1588.9	1508.8	1305.9	1138.5	1090.1	1053.9	993.7	946.4	929.2
42.5°	1840.9	1817.6	1731.5	1467.2	1240.0	1169.8	1115.3	1026.1	966.6	940.3
45°	2130.3	2099.4	1977.4	1649.1	1367.7	1274.3	1201.5	1075.3	997.5	961.6
47.5°	2422.7	2430.4	2256.9	1857.3	1521.0	1403.2	1309.4	1149.2	1042.5	995.9
50°	2733.5	2738.8	2534.8	2088.0	1694.9	1548.8	1430.6	1232.0	1105.0	1044.7
52.5°	2976.0	2976.8	2787.3	2329.3	1876.0	1709.0	1561.4	1326.5	1177.4	1109.6
55°	3127.8	3125.9	2964.2	2557.7	2084.2	1877.1	1706.3	1434.0	1265.9	1185.8
57.5°	3238.0	3232.2	3086.2	2754.1	2306.1	2075.8	1870.3	1556.1	1370.4	1276.6
60°	3279.9	3276.5	3168.9	2923.8	2539.4	2295.4	2059.4	1692.6	1489.0	1383.7
62.5°	3295.9	3302.4	3250.2	3088.1	2789.2	2538.7	2267.2	1855.8	1622.4	1505.0
65°	3352.3	3364.2	3353.5	3303.2	3071.3	2823.5	2542.9	2049.8	1768.1	1635.0
67.5°	3464.1	3475.9	3480.5	3560.5	3416.0	3178.5	2886.8	2291.6	1938.5	1770.0
70°	3461.4	3458.0	3538.8	3765.3	3847.6	3670.0	3350.4	2589.0	2141.7	1882.1
72.5°	3150.6	3123.2	3314.2	3763.0	4206.8	4183.2	3916.7	2972.6	2317.1	1895.8
75°	2363.6	2290.4	2627.9	3391.2	4266.7	4474.5	4276.6	3210.5	2275.6	1675.0
77.5°	1010.8	937.2	1334.9	2510.4	3818.7	4182.8	3946.4	2801.0	1816.5	1107.7
80°	264.6	264.2	403.4	1138.2	2597.0	3088.9	2709.9	1808.9	1037.9	395.8
82.5°	109.4	106.8	148.3	442.7	1268.9	1733.4	1414.6	806.8	374.8	107.1
85°	40.8	40.4	72.1	152.9	447.6	714.9	517.4	206.3	93.4	52.2
87.5°	11.4	11.1	15.6	53.0	109.1	165.5	88.5	33.9	26.3	20.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P846663
 CATALOG NUMBER: GLAN-SB2B-927-U-SL4

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
822.1	0°	822.1	822.1	822.1	822.1	822.1	822.1	822.1	822.1	822.1	822.1
823.6	2.5°	824.7	826.6	830.1	832.7	836.2	840.0	845.3	848.8	852.2	854.5
825.5	5°	828.2	832.4	841.1	849.9	860.2	869.7	880.8	888.8	895.3	897.2
832.4	7.5°	835.8	842.7	857.5	872.4	888.8	904.4	920.4	934.2	945.2	949.4
844.6	10°	849.1	858.3	879.3	900.2	922.0	946.0	966.6	986.4	1002.0	1008.5
859.1	12.5°	865.9	877.4	904.8	933.8	963.9	997.1	1023.8	1048.2	1067.6	1076.4
879.3	15°	887.7	902.5	937.6	976.5	1020.7	1066.9	1100.8	1127.9	1149.6	1160.3
900.2	17.5°	911.3	931.1	975.4	1034.1	1097.4	1158.0	1197.6	1217.5	1240.0	1250.3
919.7	20°	934.2	958.6	1021.9	1107.3	1191.5	1256.0	1288.0	1293.4	1294.9	1296.0
938.0	22.5°	957.8	990.6	1080.2	1199.6	1289.9	1334.5	1339.1	1316.2	1284.2	1269.3
955.9	25°	983.7	1027.2	1156.5	1301.4	1374.6	1379.9	1344.8	1289.2	1228.5	1200.7
970.4	27.5°	1008.9	1069.5	1248.0	1398.6	1435.6	1388.7	1313.2	1234.3	1161.0	1131.7
980.7	30°	1034.1	1118.0	1349.0	1483.6	1463.4	1366.9	1263.2	1175.2	1101.6	1070.7
989.8	32.5°	1059.6	1174.4	1465.3	1545.0	1458.5	1320.8	1201.1	1108.8	1044.0	1011.6
997.8	35°	1088.6	1243.8	1575.5	1578.6	1425.3	1252.9	1119.1	1029.5	973.1	947.1
1007.4	37.5°	1126.3	1331.9	1672.7	1586.9	1367.3	1153.4	1017.3	935.7	889.2	877.4
1021.5	40°	1173.2	1437.9	1747.1	1573.6	1281.5	1032.5	906.0	840.8	814.4	817.1
1040.6	42.5°	1234.3	1556.4	1799.3	1539.3	1162.2	907.9	808.3	779.4	791.9	802.6
1069.2	45°	1313.6	1679.6	1831.7	1480.9	1027.2	802.2	750.8	757.6	767.2	768.3
1115.3	47.5°	1415.0	1804.3	1853.1	1392.9	889.6	727.9	714.2	715.7	713.8	705.8
1184.3	50°	1541.6	1925.5	1872.2	1276.2	772.5	681.4	663.1	657.7	631.4	605.5
1276.2	52.5°	1685.7	2036.9	1880.2	1131.3	681.4	642.5	612.7	579.2	530.0	522.0
1391.7	55°	1845.8	2139.8	1859.6	953.2	604.7	592.5	547.5	507.1	501.8	494.9
1543.9	57.5°	2037.3	2250.8	1817.6	754.6	526.2	534.2	490.3	494.9	485.4	474.7
1739.5	60°	2246.6	2365.6	1744.0	573.5	445.0	461.4	475.5	475.1	472.4	463.7
1945.7	62.5°	2434.9	2441.0	1599.2	439.3	373.7	404.9	443.4	443.1	440.8	435.8
2161.2	65°	2547.0	2429.6	1357.4	345.8	314.9	358.4	400.0	403.0	403.4	403.0
2323.2	67.5°	2527.2	2295.8	1025.7	275.3	266.5	311.1	356.9	361.1	364.1	364.9
2343.8	70°	2303.0	2001.8	668.8	219.6	223.4	269.6	316.1	320.3	323.0	326.0
2033.8	72.5°	1795.1	1471.8	382.8	177.7	185.7	233.7	275.7	280.6	282.2	287.9
1415.4	75°	1093.9	865.5	206.7	139.9	152.5	199.8	235.6	241.4	244.0	250.9
695.1	77.5°	520.1	374.8	117.8	109.1	122.8	163.2	199.0	205.5	198.3	202.1
191.8	80°	175.8	139.2	74.4	83.1	93.8	127.4	159.4	165.9	150.6	149.8
63.7	82.5°	61.4	56.4	47.3	55.3	60.6	91.1	120.5	128.9	112.1	111.7
28.6	85°	24.0	22.9	26.3	30.1	36.2	56.1	79.3	83.5	69.0	55.7
8.4	87.5°	5.0	5.3	6.5	6.9	11.1	19.4	28.6	35.1	27.8	23.6
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°
822.1
853.0
897.9
949.8
1008.9
1076.4
1159.5
1249.9
1299.1
1273.5
1204.9
1135.1
1074.1
1015.8
952.9
885.7
826.3
812.5
775.9
711.9
608.9
524.7
496.1
472.8
460.6
433.9
403.0
365.7
327.5
290.2
251.7
199.0
148.3
106.4
54.9
21.7
0.0

F REPORT)