

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: P848775

Luminaire Tested: **GLAN-SB5C-730-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848775
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5C-730-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3000K, 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: 26685 lumens
Efficiency: N/A
Efficacy: 107.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

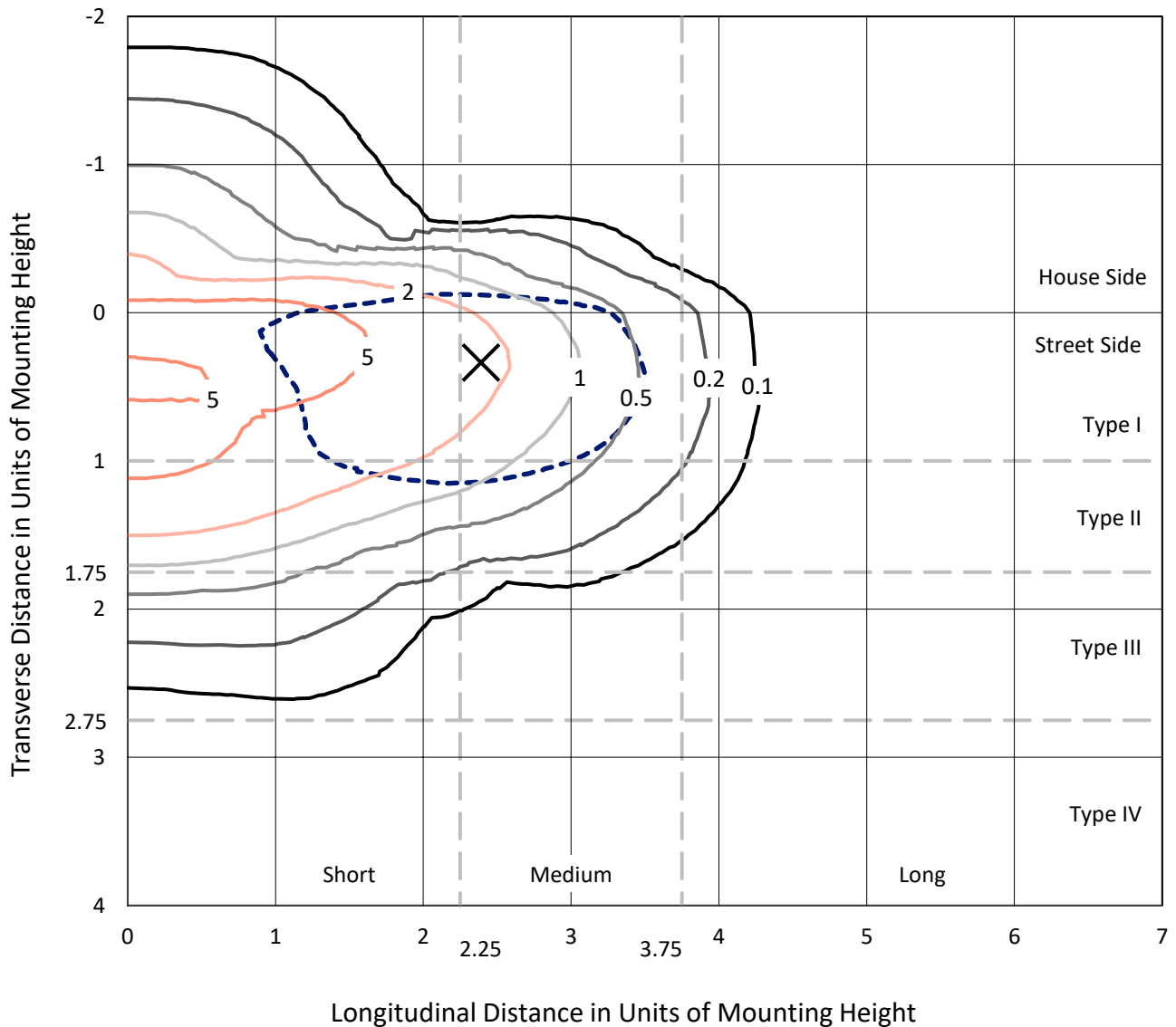
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P848775
 CATALOG NUMBER: GLAN-SB5C-730-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination

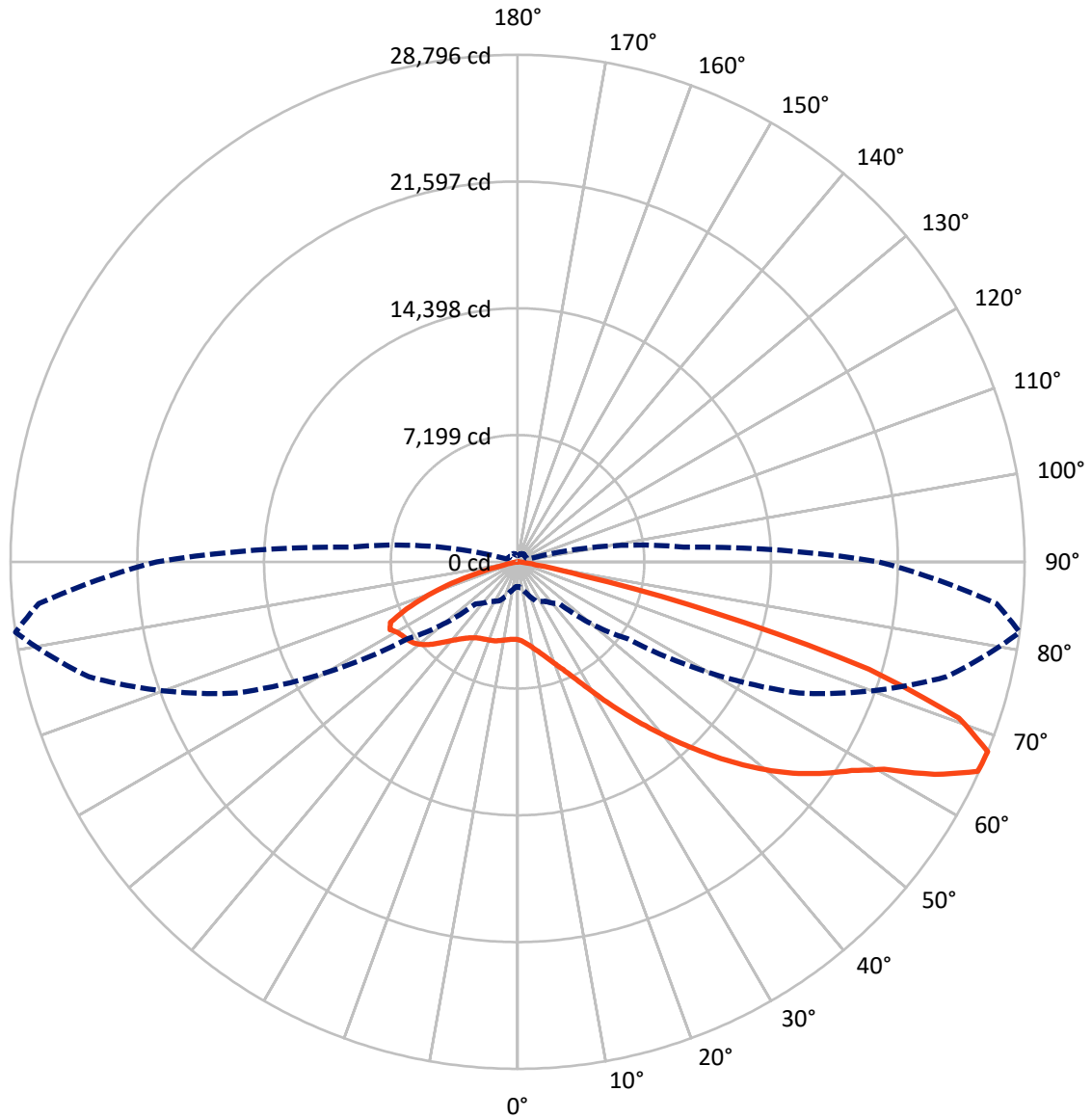
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 fc
 Type II - Medium - N/A

REPORT NUMBER: P848775
CATALOG NUMBER: GLAN-SB5C-730-U-T2-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P848775
 CATALOG NUMBER: GLAN-SB5C-730-U-T2-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4833.8	0.0	4833.8
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	21851.2	0.0	21851.2
	% Fixture	81.9	0.0	81.9
Total	Lumens	26685.0	0.0	26685.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	393.9	1.5
10°-20°	1023.5	3.8
20°-30°	1639.3	6.1
30°-40°	2898.8	10.9
40°-50°	5078.9	19.0
50°-60°	6773.9	25.4
60°-70°	6306.1	23.6
70°-80°	2420.3	9.1
80°-90°	150.3	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°	26685.0	100.0
0°-180°	26685.0	100.0

Coefficient of Utilization



REPORT NUMBER: P848775

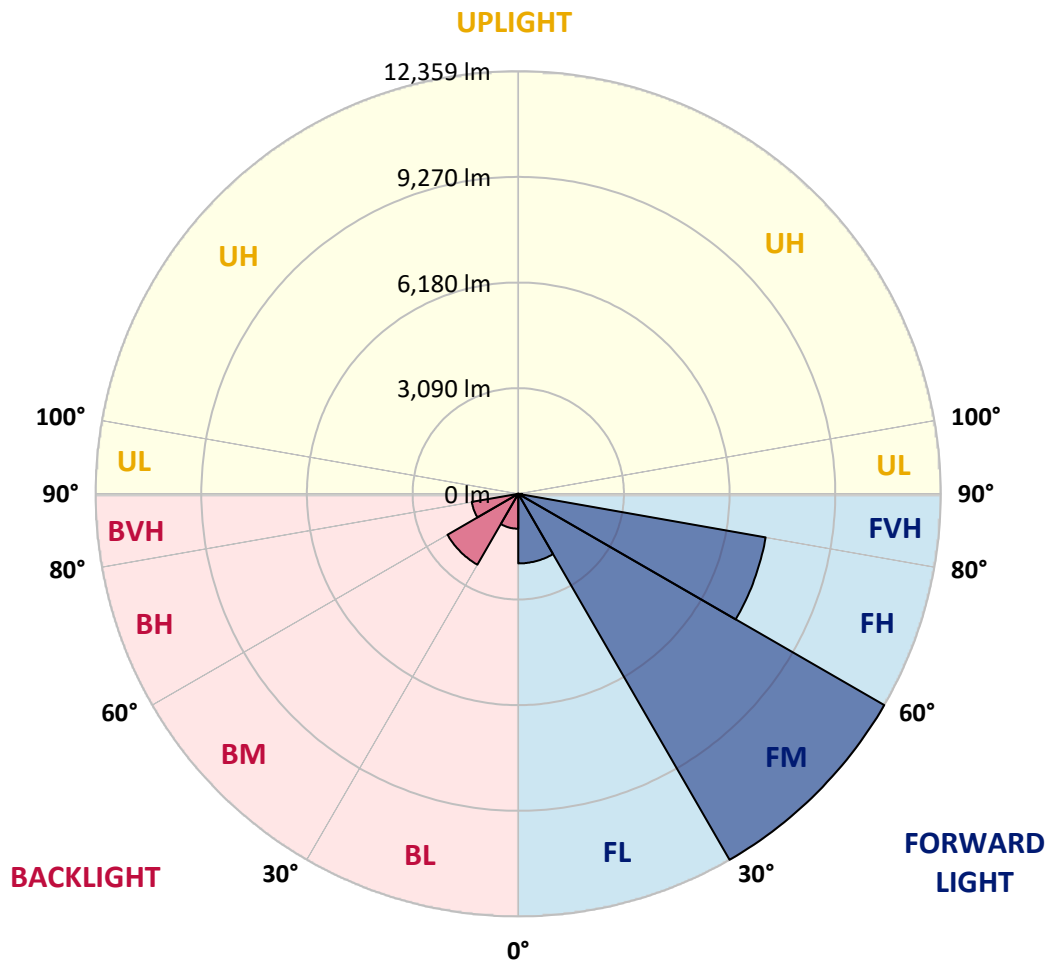
CATALOG NUMBER: GLAN-SB5C-730-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2035.8	7.6			
FM (30°-60°)	12359.4	46.3			
FH (60°-80°)	7346.8	27.5			G3/7500
FVH (80°-90°)	109.3	0.4			G2/225
BL (0°-30°)	1020.9	3.8	B3/2500		
BM (30°-60°)	2392.2	9.0	B2/2500		
BH (60°-80°)	1379.6	5.2	B3/2500		G3/2500
BVH (80°-90°)	41.0	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-G3

Type II Medium



REPORT NUMBER: P848775
 CATALOG NUMBER: GLAN-SB5C-730-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	4420.8	4420.8	4420.8	4420.8	4420.8	4420.8	4420.8	4420.8	4420.8	4420.8
2.5°	4672.5	4699.4	4684.0	4676.3	4662.9	4643.7	4628.3	4580.3	4530.3	4497.7
5°	4766.6	4793.5	4791.6	4799.3	4808.9	4814.7	4810.8	4757.0	4685.9	4630.2
7.5°	4685.9	4716.7	4741.7	4780.1	4847.3	4918.4	4953.0	4941.5	4868.5	4791.6
10°	4457.3	4490.0	4549.5	4639.8	4782.0	4935.7	5064.4	5124.0	5077.9	4993.3
12.5°	4038.5	4071.1	4188.3	4384.3	4622.5	4889.6	5135.5	5295.0	5306.5	5222.0
15°	3567.8	3600.4	3725.3	3971.2	4334.3	4762.8	5173.9	5475.6	5577.4	5504.4
17.5°	3275.7	3304.6	3398.7	3596.6	3975.1	4509.2	5160.5	5667.7	5900.2	5842.5
20°	3187.4	3212.3	3256.5	3394.9	3709.9	4246.0	5072.1	5848.3	6247.9	6215.3
22.5°	3281.5	3304.6	3318.0	3379.5	3577.4	4073.1	4960.7	6032.7	6651.4	6655.2
25°	3498.6	3521.7	3506.3	3544.7	3631.2	4019.3	4918.4	6249.8	7158.6	7200.9
27.5°	3856.0	3857.9	3821.4	3819.4	3832.9	4100.0	4962.6	6482.3	7798.4	7877.1
30°	4572.6	4543.8	4403.5	4251.7	4182.6	4342.0	5085.6	6757.0	8553.4	8693.7
32.5°	5677.3	5635.0	5377.6	5014.5	4649.4	4732.0	5306.5	7070.2	9375.7	9629.3
35°	6876.2	6864.6	6595.7	6055.8	5417.9	5287.3	5665.8	7481.4	10272.9	10676.4
37.5°	7990.5	7984.7	7831.0	7195.1	6418.9	6061.6	6242.1	8019.3	11233.6	11817.6
40°	9008.8	9026.0	8872.3	8303.7	7521.7	7054.8	7026.0	8684.1	12301.8	13060.7
42.5°	9888.7	9907.9	9752.3	9331.5	8611.1	8153.8	7988.6	9498.7	13345.0	14395.9
45°	10486.2	10605.3	10582.3	10246.0	9729.2	9254.7	9145.2	10520.8	14534.3	15811.9
47.5°	10655.3	10764.8	10937.7	10983.8	10668.7	10201.8	10332.5	11752.3	15737.0	17229.8
50°	10238.4	10340.2	10699.5	11177.8	11396.9	11252.8	11487.2	13072.2	16968.5	18643.8
52.5°	9416.1	9519.8	9973.2	10730.2	11623.6	12077.0	12645.7	14372.9	18161.6	19982.9
55°	8226.8	8336.3	8918.5	9775.3	11191.3	12417.1	13612.1	15671.7	19254.8	21187.6
57.5°	6609.1	6689.8	7295.0	8493.9	10103.9	12078.9	14324.9	17089.5	20284.6	22371.1
60°	4307.4	4378.5	5081.7	6418.9	8301.7	10949.2	14467.0	18670.7	21652.5	23910.0
62.5°	2864.6	2912.6	3329.5	4311.3	5846.4	8780.1	13635.1	19933.0	23658.3	26588.2
65°	1965.4	2013.5	2430.4	3114.3	3777.2	5807.9	11243.2	19765.8	25475.8	28715.0
67.5°	1402.5	1442.9	1796.4	2441.9	2733.9	3373.7	7621.6	17629.4	25214.5	28795.7
70°	1004.8	1027.9	1319.9	1902.0	2172.9	2026.9	4238.3	13483.3	22077.1	26590.1
72.5°	703.2	710.9	916.4	1448.6	1750.3	1479.4	2017.3	8989.5	16697.6	20870.6
75°	476.5	486.1	616.7	1062.5	1404.4	1129.7	1068.2	4820.4	9802.2	11552.5
77.5°	292.0	295.9	397.7	726.2	1050.9	860.7	687.8	2042.3	3792.6	3723.4
80°	165.2	165.2	253.6	451.5	716.6	555.2	482.2	868.4	1200.8	1054.8
82.5°	92.2	94.1	184.4	280.5	474.5	328.5	265.1	401.5	518.7	459.2
85°	38.4	42.3	113.4	132.6	226.7	163.3	107.6	169.1	192.1	171.0
87.5°	3.8	5.8	34.6	25.0	26.9	32.7	15.4	32.7	26.9	26.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P848775
 CATALOG NUMBER: GLAN-SB5C-730-U-T2-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4420.8	0°	4420.8	4420.8	4420.8	4420.8	4420.8	4420.8	4420.8	4420.8	4420.8	4420.8
4486.1	2.5°	4449.6	4420.8	4347.8	4263.3	4151.8	4098.0	4025.0	3975.1	3932.8	3936.6
4597.6	5°	4536.1	4463.1	4299.8	4096.1	3842.5	3661.9	3469.8	3337.2	3229.6	3206.6
4751.3	7.5°	4655.2	4539.9	4253.7	3886.7	3458.3	3133.6	2843.5	2657.1	2524.5	2482.3
4937.6	10°	4808.9	4641.7	4194.1	3623.5	3006.8	2593.7	2282.4	2136.4	2046.1	2015.4
5156.6	12.5°	4987.6	4758.9	4115.3	3302.6	2541.8	2144.1	1946.2	1873.2	1844.4	1834.8
5425.6	15°	5212.4	4905.0	3996.2	2922.2	2148.0	1869.4	1784.8	1775.2	1779.1	1775.2
5748.4	17.5°	5479.4	5064.4	3802.2	2530.3	1882.8	1729.1	1698.4	1706.1	1715.7	1713.8
6109.6	20°	5771.4	5222.0	3554.3	2182.5	1702.2	1629.2	1611.9	1619.6	1627.3	1623.5
6526.5	22.5°	6103.8	5391.0	3279.6	1911.6	1581.2	1537.0	1517.8	1519.7	1519.7	1512.0
7054.8	25°	6501.5	5577.4	2991.4	1719.5	1489.0	1454.4	1431.3	1423.6	1412.1	1389.1
7696.5	27.5°	6976.1	5775.3	2714.7	1585.0	1416.0	1383.3	1356.4	1337.2	1308.4	1269.9
8467.0	30°	7510.2	6015.4	2480.3	1500.5	1358.3	1325.7	1294.9	1266.1	1223.8	1175.8
9352.7	32.5°	8138.4	6272.9	2309.3	1444.8	1306.5	1271.9	1235.4	1200.8	1154.7	1106.6
10347.9	35°	8887.7	6584.1	2209.4	1406.4	1266.1	1220.0	1179.6	1141.2	1106.6	1064.4
11429.5	37.5°	9700.4	6914.6	2178.7	1387.1	1239.2	1168.1	1122.0	1095.1	1091.3	1066.3
12599.6	40°	10589.9	7306.5	2201.8	1375.6	1210.4	1118.2	1068.2	1062.5	1072.1	1027.9
13850.3	42.5°	11531.4	7771.5	2240.2	1362.2	1170.0	1068.2	1020.2	1020.2	1012.5	951.0
15172.1	45°	12549.6	8307.5	2278.6	1329.5	1122.0	1018.3	981.8	968.3	935.6	876.1
16501.6	47.5°	13575.6	8853.1	2307.4	1269.9	1064.4	976.0	943.3	912.6	864.6	810.8
17806.2	50°	14549.6	9343.0	2276.7	1181.6	999.1	935.6	901.1	858.8	806.9	770.4
19041.5	52.5°	15420.0	9767.6	2146.0	1077.8	929.9	893.4	862.6	818.5	776.2	737.8
20155.9	55°	16176.9	10111.6	1915.5	979.8	868.4	856.9	826.1	770.4	712.8	680.1
21260.6	57.5°	16903.2	10372.8	1627.3	899.1	812.7	816.5	770.4	720.5	666.7	632.1
22749.5	60°	17869.6	10722.5	1335.3	824.2	753.1	764.7	714.7	678.2	611.0	566.8
25302.9	62.5°	19414.3	11266.2	1060.5	732.0	684.0	687.8	666.7	622.5	541.8	489.9
27195.3	65°	20640.0	11066.4	835.7	632.1	605.2	611.0	611.0	562.9	476.5	416.9
27297.2	67.5°	20501.7	9475.6	666.7	534.1	530.3	534.1	547.6	507.2	422.7	374.6
25218.4	70°	18885.9	7537.1	534.1	443.8	461.1	451.5	489.9	463.0	380.4	332.4
19550.7	72.5°	15410.4	5429.5	407.3	367.0	353.5	368.9	441.9	416.9	317.0	263.2
10355.5	75°	9004.9	2897.2	303.6	290.1	255.5	307.4	391.9	355.4	242.1	194.0
3173.9	77.5°	2931.8	1010.6	222.9	213.3	190.2	247.8	334.3	299.7	197.9	153.7
929.9	80°	785.8	305.5	151.8	140.3	123.0	184.4	265.1	238.2	142.2	99.9
399.6	82.5°	315.1	128.7	88.4	78.8	67.2	126.8	209.4	192.1	105.7	63.4
124.9	85°	101.8	42.3	32.7	25.0	30.7	78.8	124.9	130.6	74.9	32.7
19.2	87.5°	13.4	5.8	5.8	7.7	5.8	13.4	38.4	36.5	21.1	3.8
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°
4420.8
3898.2
3154.7
2440.0
1992.3
1829.0
1773.3
1709.9
1621.5
1508.2
1385.2
1266.1
1172.0
1108.6
1060.5
1064.4
1029.8
951.0
874.2
808.8
764.7
733.9
676.3
628.2
561.0
486.1
411.1
367.0
326.6
257.4
188.3
147.9
98.0
63.4
25.0
0.0
0.0

F REPORT)