

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: P477743

Luminaire Tested: **IFLD-S-SA6B-735-U-T3R**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P477743
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-735-U-T3R
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3R distribution lens
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

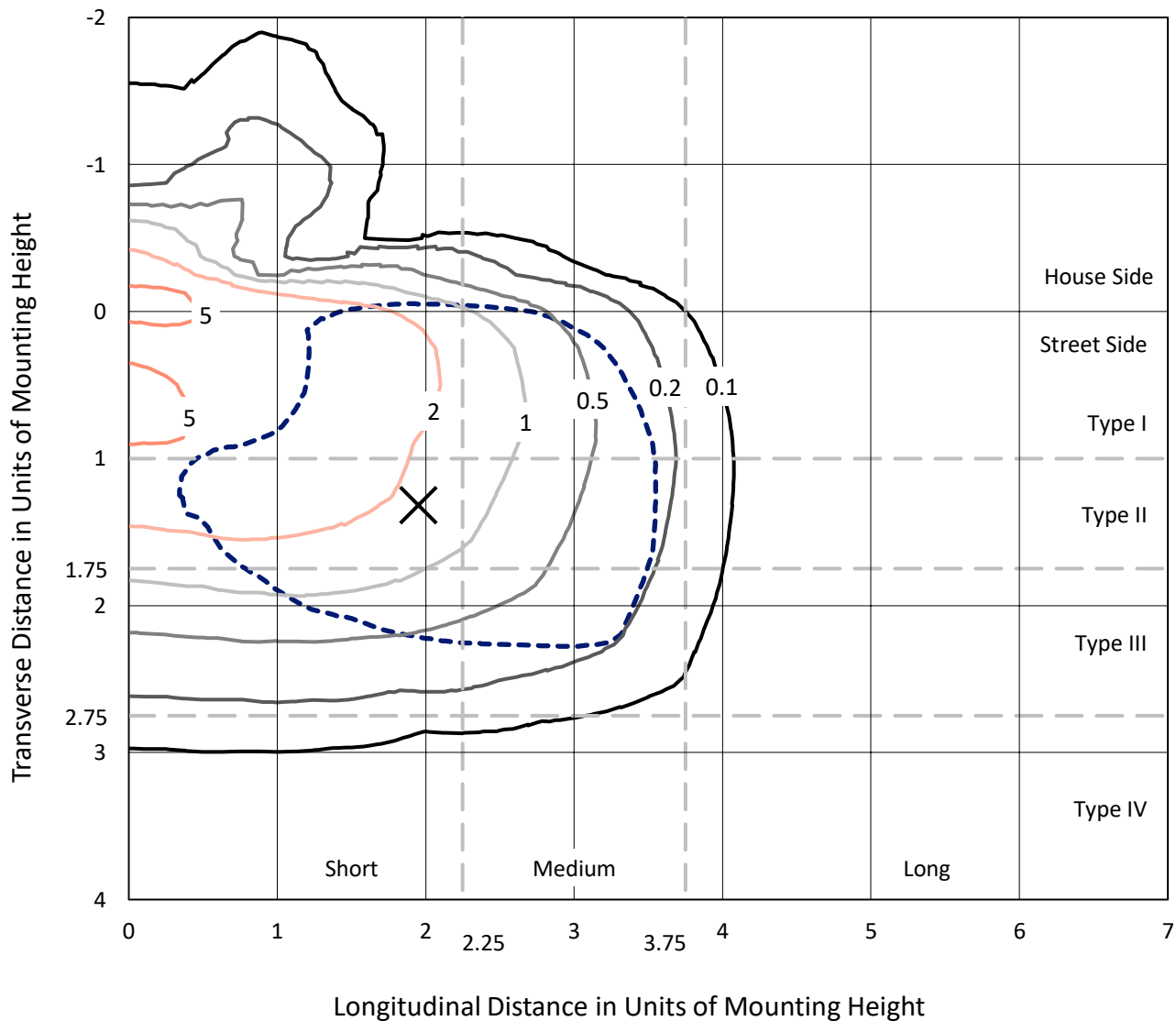
Lumens per Lamp: N/A
Luminaire Lumens: 32339.6 lumens
Efficiency: N/A
Efficacy: 132.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 244.9
Input Voltage (V): 120
Input Current (A_{in}): 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: P477743
 CATALOG NUMBER: IFLD-S-SA6B-735-U-T3R

Iso-Footcandle Lines of Horizontal Illumination

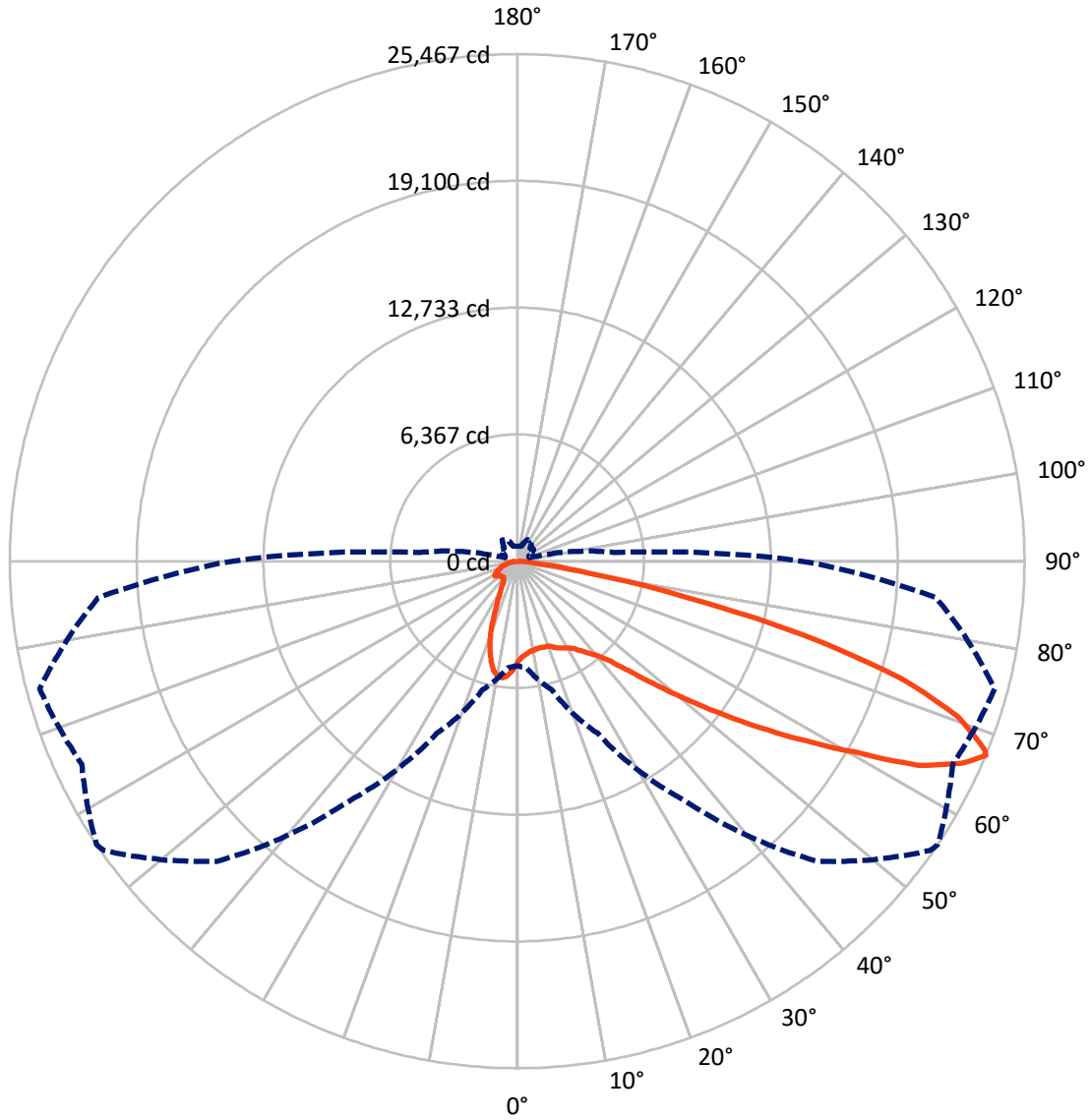
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.2 fc
 Type III - Short - N/A

REPORT NUMBER: P477743
CATALOG NUMBER: IFLD-S-SA6B-735-U-T3R

Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

REPORT NUMBER: P477743
 CATALOG NUMBER: IFLD-S-SA6B-735-U-T3R

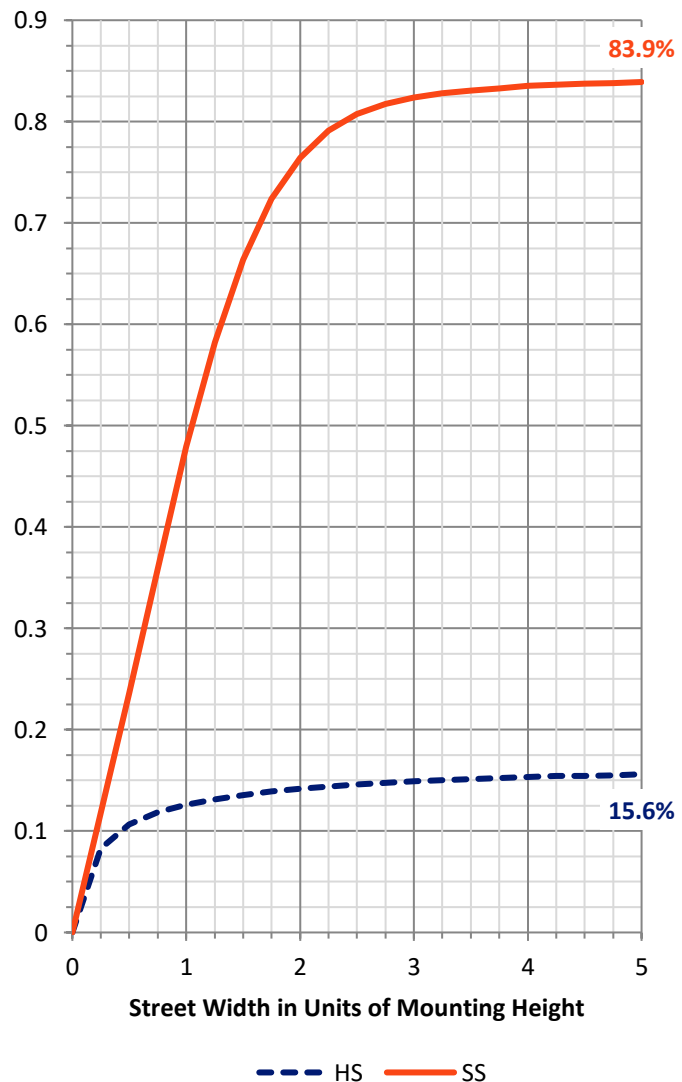
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5119.7	0.0	5119.7
	% Fixture	15.8	0.0	15.8
Street Side	Lumens	27219.9	0.0	27219.9
	% Fixture	84.2	0.0	84.2
Total	Lumens	32339.6	0.0	32339.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	484.8	1.5
10°-20°	1322.5	4.1
20°-30°	2074.1	6.4
30°-40°	2960.8	9.2
40°-50°	4468.6	13.8
50°-60°	7113.3	22.0
60°-70°	9093.8	28.1
70°-80°	4433.8	13.7
80°-90°	387.9	1.2
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°	32339.6	100.0
0°-180°	32339.6	100.0

Coefficient of Utilization

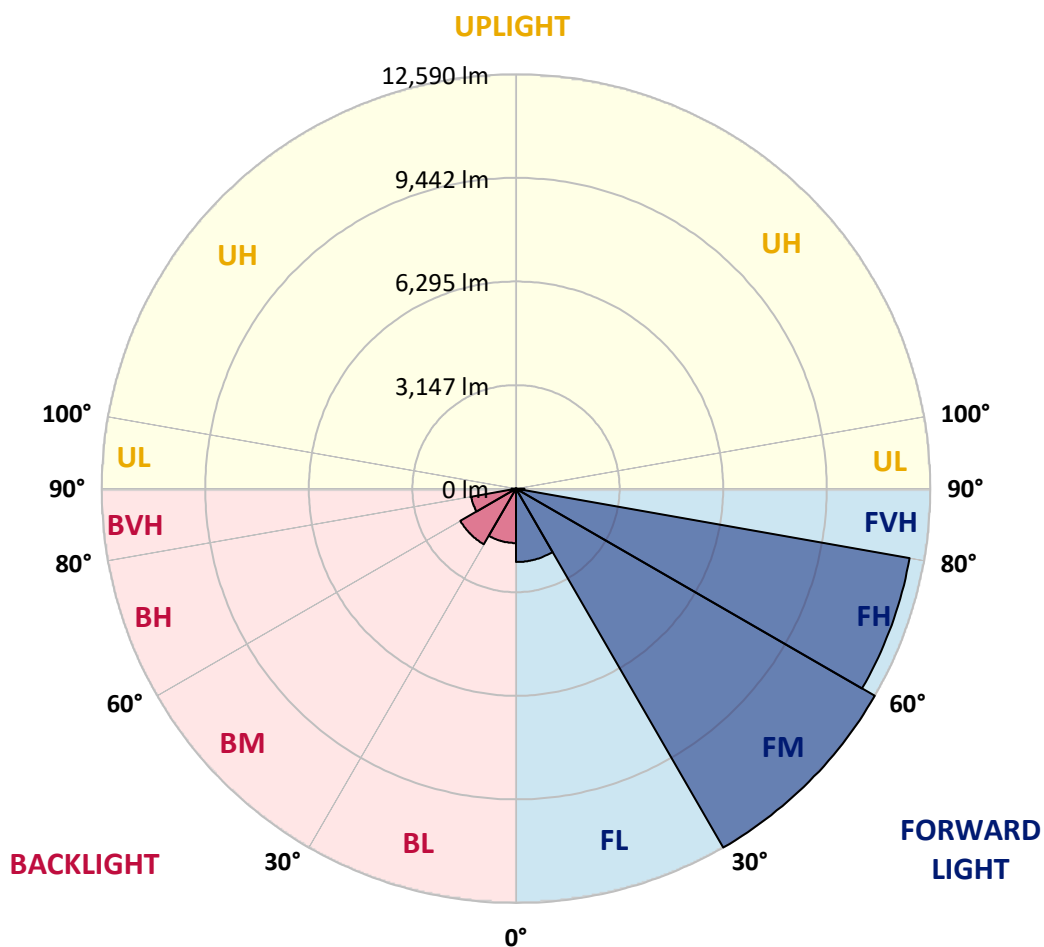


REPORT NUMBER: P477743
 CATALOG NUMBER: IFLD-S-SA6B-735-U-T3R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2228.6	6.9			
FM (30°-60°)	12589.5	38.9			
FH (60°-80°)	12144.2	37.6			G5
FVH (80°-90°)	257.6	0.8			G3/500
BL (0°-30°)	1652.8	5.1	B3/2500		
BM (30°-60°)	1953.2	6.0	B2/2500		
BH (60°-80°)	1383.4	4.3	B3/2500		G3/2500
BVH (80°-90°)	130.3	0.4			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 III Short





REPORT NUMBER: P477743
 CATALOG NUMBER: IFLD-S-SA6B-735-U-T3R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°
0°	5031.9	5031.9	5031.9	5031.9	5031.9	5031.9	5031.9	5031.9	5031.9	5031.9
2.5°	4622.4	4603.5	4626.2	4603.5	4705.8	4766.5	4785.5	4812.0	4906.8	4997.8
5°	4429.0	4345.6	4436.6	4466.9	4474.5	4576.9	4683.1	4702.0	4751.3	4899.2
7.5°	4106.7	4201.5	4167.4	4258.4	4353.2	4455.6	4630.0	4580.7	4762.7	4903.0
10°	4038.5	4046.0	4084.0	4118.1	4201.5	4334.2	4576.9	4546.6	4732.4	5031.9
12.5°	4106.7	4106.7	4095.3	4068.8	4163.6	4292.5	4485.9	4501.1	4793.1	5069.9
15°	4345.6	4391.1	4269.8	4288.7	4250.8	4292.5	4463.2	4497.3	4815.8	5100.2
17.5°	4929.6	4914.4	4770.3	4569.3	4402.5	4375.9	4493.5	4531.4	4793.1	5187.4
20°	5498.4	5468.0	5217.8	5009.2	4679.3	4523.8	4542.8	4546.6	4831.0	5244.3
22.5°	6131.6	6211.3	5938.2	5513.5	5104.0	4717.2	4641.4	4702.0	4918.2	5274.6
25°	7125.1	6954.5	6719.4	6162.0	5502.2	5016.8	4804.4	4834.8	5001.6	5350.5
27.5°	7841.8	7773.5	7405.7	6954.5	6059.6	5251.9	4891.6	4948.5	5153.3	5346.7
30°	8531.9	8531.9	8308.2	7633.2	6647.3	5646.2	5077.5	5050.9	5081.2	5339.1
32.5°	9339.6	9229.7	8907.3	8459.9	7386.8	6006.5	5225.3	5232.9	5232.9	5479.4
35°	9764.3	9942.6	9726.4	8998.4	7951.8	6605.6	5581.8	5524.9	5483.2	5634.9
37.5°	10386.2	10492.4	10264.9	9836.4	8653.3	7091.0	5896.5	5851.0	5608.3	5756.2
40°	10761.6	10742.7	10735.1	10537.9	9582.3	7663.6	6359.1	6241.6	5915.5	6184.7
42.5°	10974.0	10936.0	11402.5	11281.1	10458.3	8505.4	6939.3	6874.8	6514.6	6946.9
45°	11212.9	11493.5	11876.5	12217.7	11478.3	9688.5	7921.4	7830.4	7508.1	8057.9
47.5°	11421.4	11766.5	12255.7	12619.7	12399.7	10974.0	9134.9	9157.6	8945.3	9510.3
50°	11770.3	11804.4	12468.0	13203.6	13374.3	12160.9	10765.4	10727.5	10632.7	11425.2
52.5°	11664.1	11766.5	12604.5	13544.9	13825.5	13416.0	12517.3	12631.1	12505.9	13503.2
55°	9935.0	10242.1	12521.1	13905.2	14894.9	14834.2	14769.7	14693.9	14686.3	15839.1
57.5°	9150.0	9400.3	11030.8	14303.3	16040.0	16487.5	16904.6	16988.0	16984.2	18375.9
60°	8634.3	8892.2	10427.9	14087.2	17014.6	18652.7	19452.8	19464.2	19441.4	21087.2
62.5°	7625.7	7875.9	9385.1	12904.1	17283.8	20651.1	22433.3	22581.2	21538.4	23423.0
65°	6412.2	6617.0	7948.0	11095.3	16567.1	21921.4	24674.4	24499.9	23305.5	24757.8
67°	5244.3	5380.8	6677.7	9525.4	14693.9	21310.9	25322.8	25466.9	24120.7	24814.7
67.5°	4910.6	5035.7	6260.5	8990.8	13981.0	20848.3	25345.5	25322.8	24135.9	24826.0
70°	3409.0	3462.1	4266.0	6184.7	10299.0	17613.7	23495.1	23548.1	23123.4	23479.9
72.5°	2260.0	2339.6	2851.6	3898.1	6070.9	12816.9	19638.6	20207.4	19938.2	19251.8
75°	1456.1	1501.6	1865.7	2320.7	2988.1	7299.5	14508.1	14887.3	14269.2	11906.8
77.5°	815.3	864.6	1126.2	1410.6	1456.1	3037.4	8148.9	8619.2	7303.3	5058.5
80°	508.1	572.6	849.4	838.0	693.9	1114.8	3359.7	3598.6	2919.8	1740.5
82.5°	383.0	432.3	656.0	587.8	390.6	496.7	1258.9	1349.9	1069.3	671.2
85°	261.6	329.9	474.0	364.0	204.8	238.9	500.5	538.5	489.2	326.1
87.5°	94.8	140.3	246.5	182.0	91.0	72.0	163.1	182.0	174.4	147.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P477743
 CATALOG NUMBER: IFLD-S-SA6B-735-U-T3R

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
5031.9	0°	5031.9	5031.9	5031.9	5031.9	5031.9	5031.9	5031.9	5031.9	5031.9	5031.9
5077.5	2.5°	5149.5	5202.6	5229.1	5384.6	5449.1	5437.7	5452.9	5475.6	5498.4	5528.7
5141.9	5°	5191.2	5354.3	5441.5	5623.5	5744.8	5691.8	5760.0	5741.0	5714.5	5710.7
5259.5	7.5°	5327.7	5536.3	5797.9	5847.2	5900.3	5767.6	5653.8	5498.4	5460.4	5327.7
5358.1	10°	5570.4	5741.0	6059.6	6078.5	5843.4	5502.2	5248.1	4925.8	4922.0	4728.6
5509.7	12.5°	5801.7	5995.1	6253.0	6143.0	5581.8	5115.4	4702.0	4349.4	4201.5	4102.9
5600.7	15°	5945.8	6264.3	6400.8	5926.9	5123.0	4493.5	3958.8	3579.6	3427.9	3355.9
5714.5	17.5°	6078.5	6522.2	6461.5	5547.7	4558.0	3852.6	3215.6	2885.7	2844.0	2790.9
5896.5	20°	6260.5	6617.0	6245.4	5054.7	3917.1	3026.0	2620.3	2461.0	2498.9	2521.7
5915.5	22.5°	6431.2	6666.3	5972.4	4516.2	3094.2	2396.5	2195.6	2229.7	2286.6	2362.4
5961.0	25°	6507.0	6745.9	5604.5	3773.0	2354.8	2017.3	1971.8	2028.7	2123.5	2127.3
6025.4	27.5°	6556.3	6689.0	5160.9	3048.7	1861.9	1763.3	1831.5	1873.2	1884.6	1930.1
6162.0	30°	6643.5	6571.5	4599.7	2180.4	1562.3	1566.1	1653.3	1653.3	1653.3	1687.4
6298.5	32.5°	6795.2	6491.9	3943.7	1592.6	1346.2	1467.5	1444.7	1437.2	1422.0	1380.3
6472.9	35°	6890.0	6275.7	3113.2	1179.3	1209.6	1346.2	1338.6	1221.0	1023.8	925.2
6916.6	37.5°	7087.2	6165.7	2290.4	910.1	1130.0	1285.5	1243.8	959.4	743.2	648.4
7466.4	40°	7511.9	6093.7	1585.0	796.3	1076.9	1255.1	1111.0	819.1	568.8	401.9
8315.8	42.5°	8031.4	6097.5	1076.9	750.8	1080.7	1319.6	1069.3	701.5	401.9	322.3
9449.6	45°	8729.1	6040.6	739.4	750.8	1149.0	1425.8	1095.9	637.1	390.6	409.5
10871.6	47.5°	9479.9	6089.9	549.8	682.6	1160.3	1429.6	1001.1	625.7	375.4	474.0
12418.7	50°	10355.9	6139.2	455.0	629.5	1164.1	1384.1	921.4	610.5	390.6	500.5
14193.4	52.5°	11258.4	6294.7	386.8	595.3	1209.6	1365.1	921.4	633.3	390.6	436.1
16453.4	55°	12604.5	6692.8	557.4	743.2	1376.5	1490.2	1133.8	887.3	546.0	561.2
18618.6	57.5°	14091.0	7102.4	621.9	781.1	1414.4	1342.4	1221.0	978.3	576.4	580.2
20302.2	60°	15069.3	7117.5	618.1	762.2	1323.4	1160.3	1194.5	1031.4	587.8	496.7
21345.0	62.5°	15459.9	6654.9	644.6	762.2	1232.4	1084.5	1224.8	1111.0	606.7	621.9
21640.8	65°	15016.2	5699.3	621.9	682.6	1084.5	970.7	1232.4	1126.2	663.6	625.7
21109.9	67°	14322.3	4910.6	633.3	648.4	1008.7	921.4	1296.9	1183.1	769.8	750.8
20833.1	67.5°	14125.1	4702.0	629.5	629.5	982.1	906.3	1312.0	1183.1	784.9	777.4
18387.3	70°	12449.0	3810.9	644.6	621.9	868.4	860.8	1395.4	1247.6	902.5	910.1
13507.0	72.5°	9476.1	2889.5	640.8	621.9	754.6	822.9	1406.8	1289.3	982.1	910.1
7565.0	75°	5384.6	1729.1	565.0	542.3	595.3	716.7	1315.8	1228.6	955.6	815.3
3022.2	77.5°	2225.9	891.1	519.5	489.2	493.0	584.0	1095.9	1145.2	910.1	693.9
1008.7	80°	830.4	534.7	417.1	390.6	379.2	428.5	781.1	913.9	777.4	568.8
443.7	82.5°	432.3	333.7	284.4	284.4	257.9	273.0	420.9	606.7	587.8	390.6
178.2	85°	219.9	189.6	163.1	159.3	144.1	128.9	212.4	360.2	337.5	216.1
79.6	87.5°	117.6	106.2	68.3	64.5	53.1	34.1	37.9	72.0	117.6	94.8
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



<u>180°</u>
5031.9
5559.0
5744.8
5373.2
4721.0
4080.2
3340.7
2817.4
2495.1
2320.7
2165.2
1971.8
1725.3
1357.5
970.7
644.6
390.6
314.7
417.1
527.1
580.2
447.5
591.5
561.2
511.9
629.5
614.3
739.4
762.2
841.8
807.7
728.1
656.0
519.5
307.1
178.2
68.3
0.0

F REPORT)