

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: P477247

Luminaire Tested: **IFLD-L-SA7C-722-U-T3**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P477247
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-722-U-T3
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3
distribution lens
Light Source: (112) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

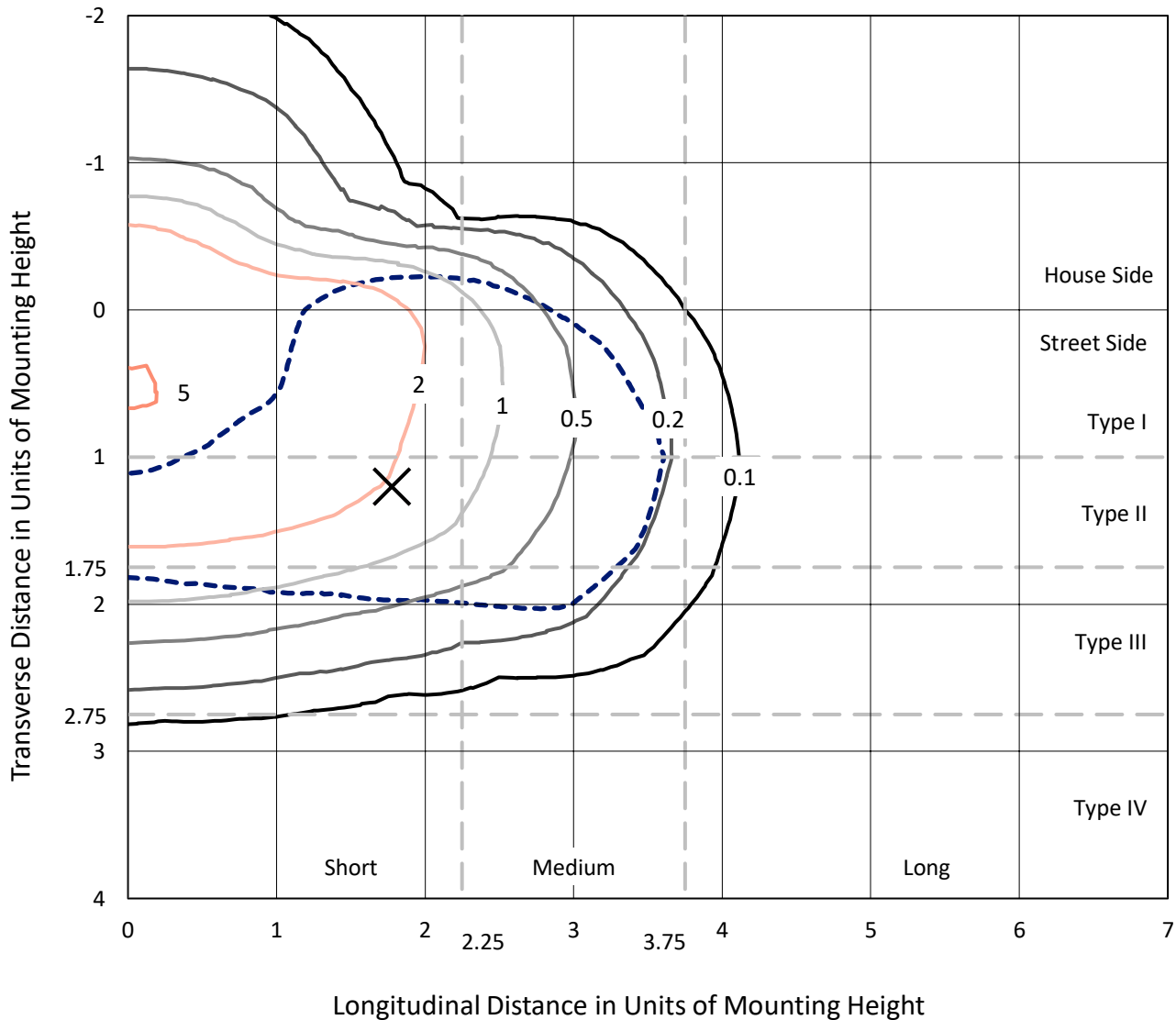
Lumens per Lamp: N/A
Luminaire Lumens: 33258.9 lumens
Efficiency: N/A
Efficacy: 90.1 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.5')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 369
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: P477247
 CATALOG NUMBER: IFLD-L-SA7C-722-U-T3

Iso-Footcandle Lines of Horizontal Illumination

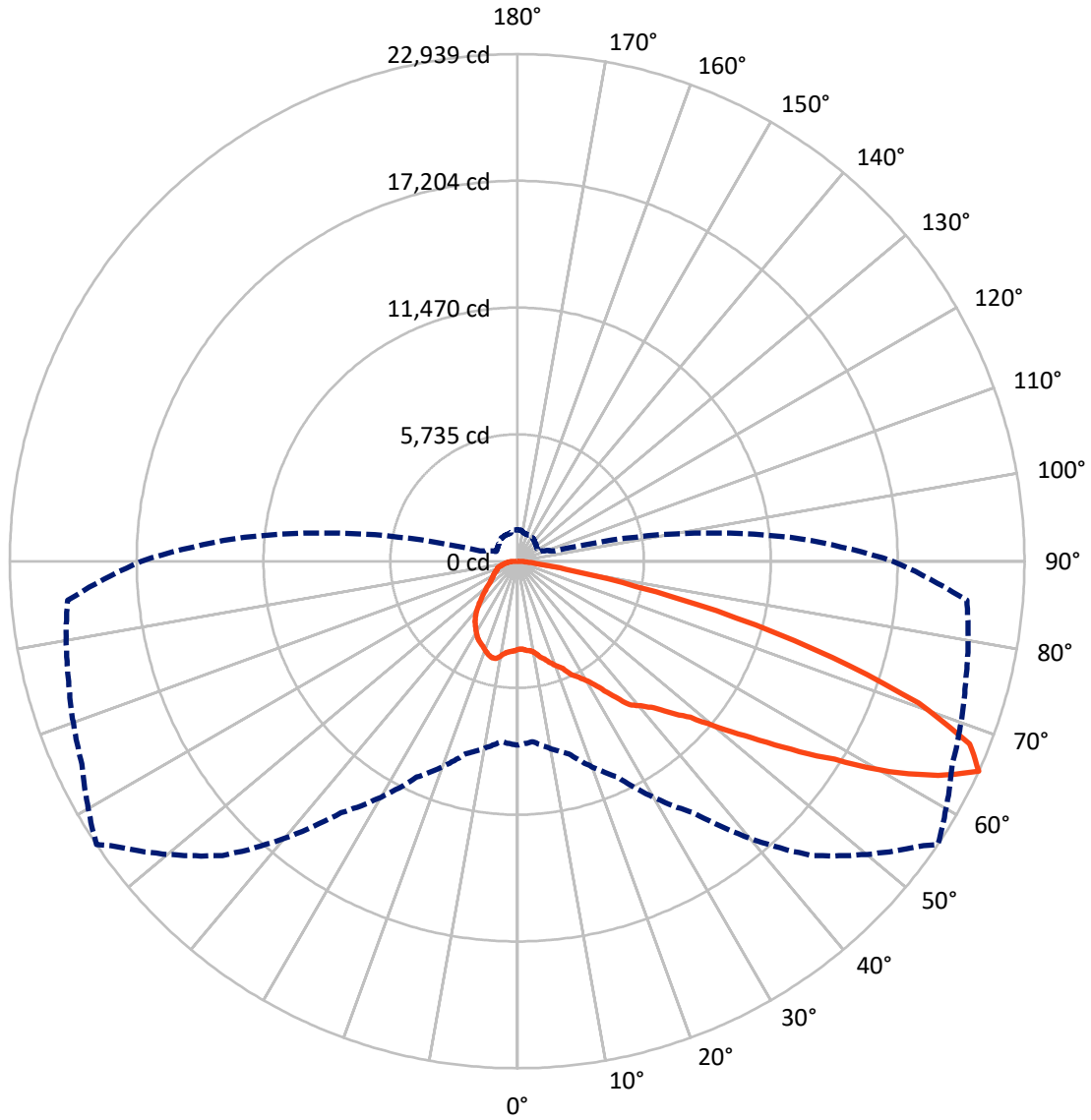
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5.1 fc
 Type III - Short - N/A

REPORT NUMBER: P477247
CATALOG NUMBER: IFLD-L-SA7C-722-U-T3

Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P477247
 CATALOG NUMBER: IFLD-L-SA7C-722-U-T3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7458.9	0.0	7458.9
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	25800.0	0.0	25800.0
	% Fixture	77.6	0.0	77.6
Total	Lumens	33258.9	0.0	33258.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	395.6	1.2
10°-20°	1284.6	3.9
20°-30°	2287.2	6.9
30°-40°	3425.0	10.3
40°-50°	5074.6	15.3
50°-60°	7819.3	23.5
60°-70°	8852.4	26.6
70°-80°	3673.8	11.0
80°-90°	446.3	1.3
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°	33258.9	100.0
0°-180°	33258.9	100.0

Coefficient of Utilization

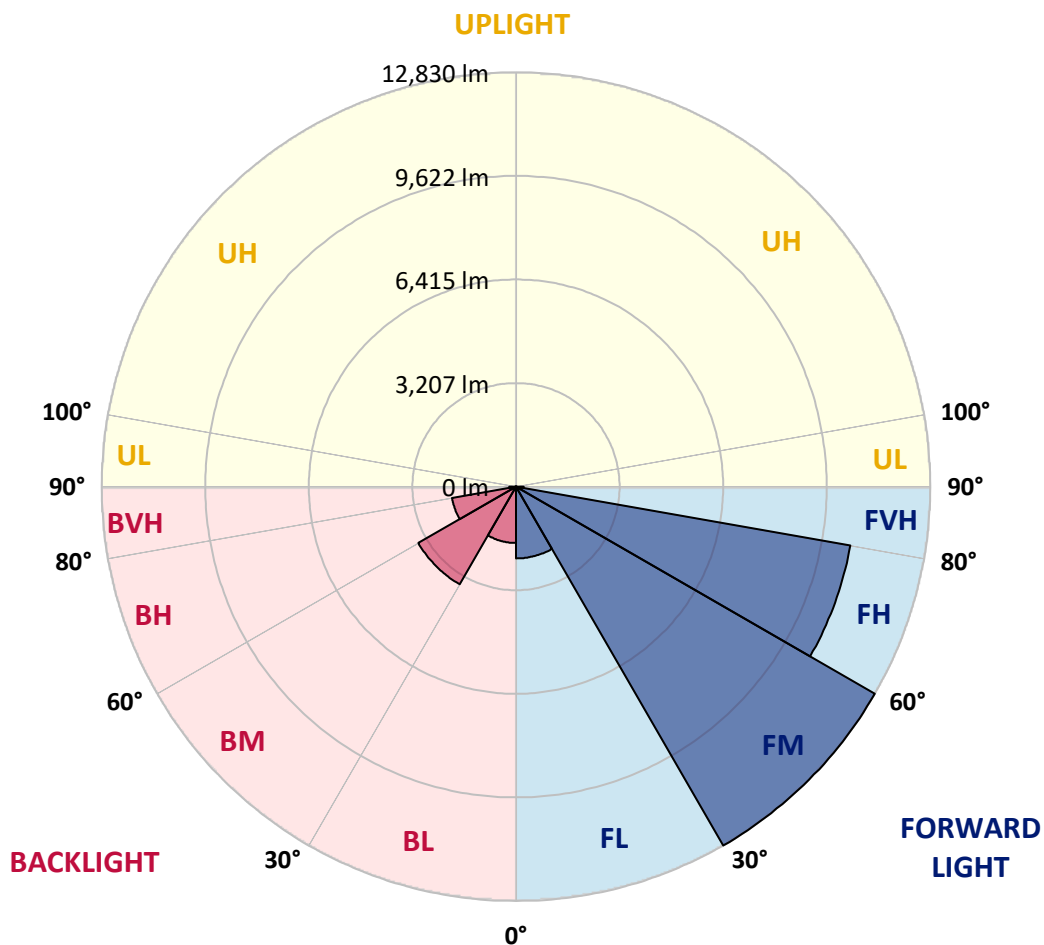


REPORT NUMBER: P477247
 CATALOG NUMBER: IFLD-L-SA7C-722-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2222.7	6.7			
FM (30°-60°)	12829.8	38.6			
FH (60°-80°)	10512.1	31.6			G4/12000
FVH (80°-90°)	235.4	0.7			G3/500
BL (0°-30°)	1744.7	5.2	B3/2500		
BM (30°-60°)	3489.1	10.5	B3/5000		
BH (60°-80°)	2014.2	6.1	B3/2500		G3/2500
BVH (80°-90°)	210.9	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type III Short





REPORT NUMBER: P477247
 CATALOG NUMBER: IFLD-L-SA7C-722-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°
0°	3992.0	3992.0	3992.0	3992.0	3992.0	3992.0	3992.0	3992.0	3992.0	3992.0
2.5°	3887.6	3908.5	3894.6	3936.3	3971.1	3971.1	3999.0	3978.1	4005.9	4044.2
5°	4016.4	3932.8	3978.1	3999.0	3988.5	4005.9	3978.1	4047.7	4002.5	4075.5
7.5°	4047.7	4079.0	4117.3	4082.5	4113.8	4096.4	4099.9	4089.5	4065.1	4124.3
10°	4277.4	4232.2	4319.2	4267.0	4260.0	4253.0	4239.1	4186.9	4246.1	4249.6
12.5°	4541.9	4500.2	4496.7	4454.9	4510.6	4409.7	4430.5	4402.7	4413.1	4427.1
15°	4733.3	4715.9	4796.0	4747.3	4674.2	4628.9	4677.7	4601.1	4639.4	4632.4
17.5°	5112.7	5109.2	5050.1	4970.0	4928.2	4862.1	4851.7	4820.3	4848.2	4834.3
20°	5377.2	5415.5	5425.9	5332.0	5171.9	5098.8	5081.4	5057.0	5088.3	5077.9
22.5°	5780.9	5721.8	5767.0	5603.4	5544.3	5370.3	5307.6	5272.8	5422.5	5384.2
25°	6038.5	6101.1	6055.9	6000.2	5867.9	5652.2	5606.9	5683.5	5742.7	5700.9
27.5°	6619.7	6557.1	6515.3	6348.2	6261.2	6035.0	5982.8	5955.0	5968.9	5993.2
30°	7061.7	7096.5	7002.6	6884.2	6665.0	6435.3	6313.4	6289.1	6240.3	6198.6
32.5°	7691.7	7639.5	7583.8	7507.2	7319.3	7016.5	6898.1	6807.7	6661.5	6466.6
35°	7994.5	8144.1	8102.4	7897.0	7754.3	7639.5	7604.7	7465.4	7343.6	7037.4
37.5°	8499.1	8561.8	8502.6	8436.5	8370.4	8248.5	8206.8	8245.1	8004.9	7500.3
40°	8826.3	8958.5	9080.4	8895.9	8882.0	8906.3	8648.8	8603.5	8109.3	7844.8
42.5°	9494.5	9550.2	9574.6	9567.6	9647.7	9647.7	9156.9	9059.5	8708.0	8492.2
45°	10378.5	10423.8	10510.8	10573.4	10483.0	10528.2	9828.6	9790.4	9477.1	9435.4
47.5°	11144.2	11252.1	11447.0	11631.5	11749.8	11596.7	10831.0	10559.5	10479.5	10730.1
50°	11812.5	11683.7	12139.6	12327.6	12846.1	13100.2	11937.8	11829.9	11701.1	12181.4
52.5°	11878.6	12052.6	12696.5	13072.4	14140.8	14610.7	13295.1	13249.9	13093.2	13646.6
55°	12351.9	12331.0	12978.4	13792.8	15063.2	15853.2	15063.2	15035.3	14694.2	15219.8
57.5°	12271.9	12484.2	12995.8	14133.9	15895.0	17186.2	17113.1	16921.7	16444.9	16873.0
60°	12000.4	12056.1	12679.1	14123.4	16378.7	18554.0	19326.6	19364.9	18390.4	18731.5
62.5°	10462.1	10590.8	11380.9	13013.2	16034.2	19497.2	21488.0	21352.2	20572.6	20182.8
65°	8321.6	8192.9	9014.2	10778.8	13890.3	18828.9	22434.6	22939.3	21714.2	21000.7
67.5°	5102.3	5070.9	5861.0	7416.7	10392.5	16023.7	21679.4	22072.7	21397.5	20826.7
70°	2627.7	2547.6	3041.9	4138.2	6532.7	11756.8	18867.2	19253.6	19897.4	18679.3
72.5°	1225.1	1207.7	1472.2	2036.0	3327.3	6912.1	14610.7	14889.1	16246.5	15748.8
75°	720.4	730.9	880.5	1065.0	1621.9	3257.7	9696.4	10235.8	11708.1	11349.6
77.5°	539.5	539.5	626.5	741.3	946.7	1259.9	4785.5	5499.0	6845.9	6156.8
80°	396.8	403.7	480.3	556.9	657.8	650.8	1900.3	2227.5	3139.3	2683.4
82.5°	309.8	320.2	372.4	414.2	462.9	393.3	779.6	838.8	1291.2	1026.7
85°	215.8	222.7	292.4	281.9	281.9	219.3	323.7	341.1	511.6	487.3
87.5°	52.2	59.2	142.7	156.6	118.3	66.1	100.9	114.9	184.5	212.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P477247
 CATALOG NUMBER: IFLD-L-SA7C-722-U-T3

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3992.0	0°	3992.0	3992.0	3992.0	3992.0	3992.0	3992.0	3992.0	3992.0	3992.0	3992.0
4061.6	2.5°	4009.4	4023.3	4082.5	4051.2	4068.6	3995.5	4054.7	4005.9	4047.7	4026.8
4092.9	5°	4120.8	4089.5	4124.3	4099.9	4099.9	4127.7	4169.5	4138.2	4200.8	4173.0
4117.3	7.5°	4166.0	4169.5	4190.4	4193.9	4176.5	4263.5	4267.0	4256.5	4315.7	4301.8
4284.4	10°	4277.4	4280.9	4319.2	4340.1	4322.7	4354.0	4319.2	4291.3	4287.8	4273.9
4416.6	12.5°	4454.9	4489.7	4482.7	4500.2	4503.6	4371.4	4291.3	4155.6	4138.2	4155.6
4611.5	15°	4618.5	4604.6	4611.5	4646.3	4500.2	4287.8	4145.2	4030.3	4037.3	4040.7
4865.6	17.5°	4813.4	4823.8	4834.3	4674.2	4406.2	4155.6	4030.3	4030.3	3995.5	4009.4
5043.1	20°	5036.1	4994.4	4903.9	4677.7	4242.6	4002.5	3964.2	3964.2	3922.4	3894.6
5234.5	22.5°	5210.2	5126.6	4990.9	4569.8	4096.4	3943.3	3849.3	3783.2	3734.5	3678.8
5446.8	25°	5321.5	5276.3	5011.8	4458.4	3988.5	3786.7	3647.5	3546.5	3483.9	3410.8
5613.9	27.5°	5492.1	5405.1	5070.9	4329.6	3870.2	3630.1	3414.3	3257.7	3139.3	3062.7
5867.9	30°	5721.8	5596.5	5029.2	4145.2	3689.2	3358.6	3104.5	2902.7	2766.9	2704.3
6108.1	32.5°	5909.7	5746.1	4994.4	3978.1	3487.4	3083.6	2746.0	2540.7	2464.1	2384.1
6511.8	35°	6268.2	5944.5	4970.0	3884.1	3306.4	2808.7	2453.7	2276.2	2178.7	2060.4
6752.0	37.5°	6543.1	6289.1	4910.8	3689.2	3073.2	2540.7	2230.9	2070.8	1924.7	1799.4
7308.8	40°	6974.7	6769.4	4914.3	3414.3	2798.2	2311.0	2056.9	1889.9	1705.4	1597.5
8133.7	42.5°	7785.6	7242.7	4935.2	3195.0	2488.5	2123.0	1900.3	1701.9	1517.5	1427.0
9073.4	45°	8781.0	7893.5	4806.4	2996.6	2171.8	1945.5	1712.4	1514.0	1395.6	1329.5
10350.7	47.5°	9926.1	8530.5	4632.4	2624.2	1907.3	1757.6	1538.3	1423.5	1336.5	1298.2
11996.9	50°	11206.9	9442.3	4583.7	2283.1	1701.9	1597.5	1454.8	1367.8	1308.6	1263.4
13852.0	52.5°	12856.6	10503.8	4486.2	1931.6	1524.4	1468.7	1423.5	1364.3	1312.1	1273.8
15581.7	55°	14433.2	11680.2	4381.8	1642.7	1399.1	1406.1	1430.4	1378.2	1333.0	1273.8
17520.3	57.5°	16208.2	12880.9	3995.5	1430.4	1305.1	1374.8	1423.5	1364.3	1319.1	1273.8
19504.1	60°	17304.5	13556.1	3240.2	1246.0	1221.6	1315.6	1381.7	1319.1	1270.3	1287.7
20416.0	62.5°	17750.0	13201.1	2443.2	1131.1	1162.5	1235.5	1315.6	1291.2	1256.4	1322.6
20405.6	65°	16991.3	12383.2	1747.2	1033.7	1082.4	1155.5	1256.4	1284.3	1294.7	1423.5
18741.9	67.5°	15118.8	10782.3	1284.3	953.6	998.9	1106.8	1298.2	1343.4	1336.5	1496.6
15727.9	70°	12097.9	8433.0	1002.4	887.5	967.6	1145.1	1357.4	1357.4	1308.6	1496.6
11996.9	72.5°	8801.9	5944.5	863.1	810.9	887.5	1051.1	1350.4	1346.9	1284.3	1367.8
7639.5	75°	5328.5	3459.5	762.2	734.4	762.2	901.4	1291.2	1270.3	1183.3	1176.4
3675.3	77.5°	2655.5	1740.2	623.0	650.8	664.8	755.2	1134.6	1165.9	1047.6	1019.8
1451.3	80°	1120.7	758.7	518.6	560.3	560.3	636.9	943.2	964.1	870.1	817.9
574.3	82.5°	511.6	435.0	442.0	487.3	455.9	494.2	748.3	772.6	706.5	619.5
243.6	85°	215.8	247.1	337.6	382.8	337.6	320.2	515.1	542.9	459.4	382.8
104.4	87.5°	97.5	135.7	212.3	278.4	170.5	149.7	275.0	285.4	229.7	170.5
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>
3992.0
3988.5
4134.7
4280.9
4273.9
4162.6
4089.5
4012.9
3852.8
3647.5
3424.7
3097.6
2739.1
2380.6
2050.0
1802.8
1607.9
1433.9
1343.4
1291.2
1270.3
1270.3
1270.3
1270.3
1273.8
1305.1
1423.5
1507.0
1465.2
1319.1
1162.5
1002.4
800.5
605.6
386.3
160.1
0.0

F REPORT)