

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: P477627

Luminaire Tested: **IFLD-S-SA6C-722-U-T3R**

Issue Date: 02/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P477627  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6C-722-U-T3R  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3R distribution lens  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

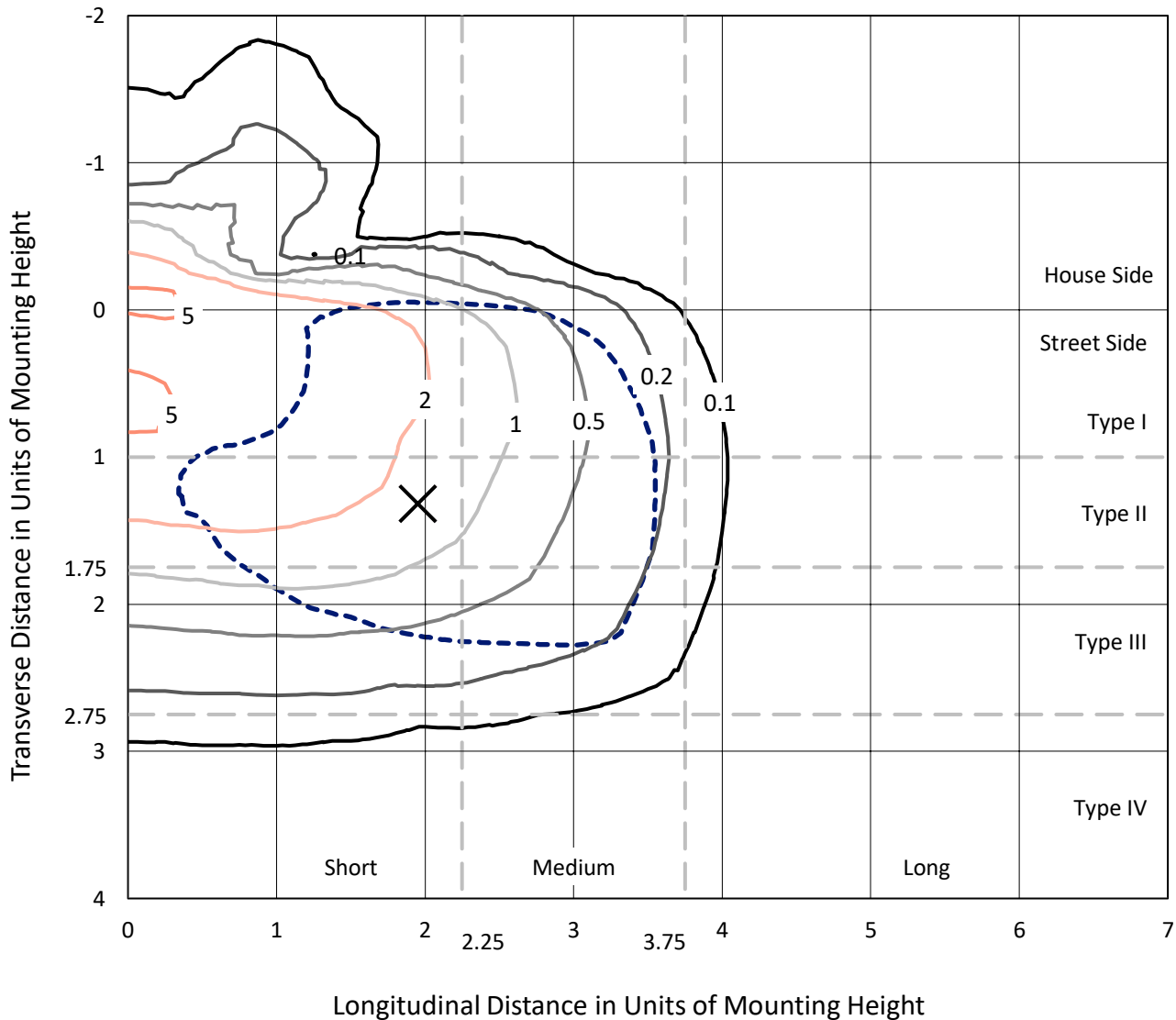
Lumens per Lamp: N/A  
Luminaire Lumens: 30065.2 lumens  
Efficiency: N/A  
Efficacy: 93.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4

Input Watts (W): 321.5  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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: P477627  
 CATALOG NUMBER: IFLD-S-SA6C-722-U-T3R

### Iso-Footcandle Lines of Horizontal Illumination

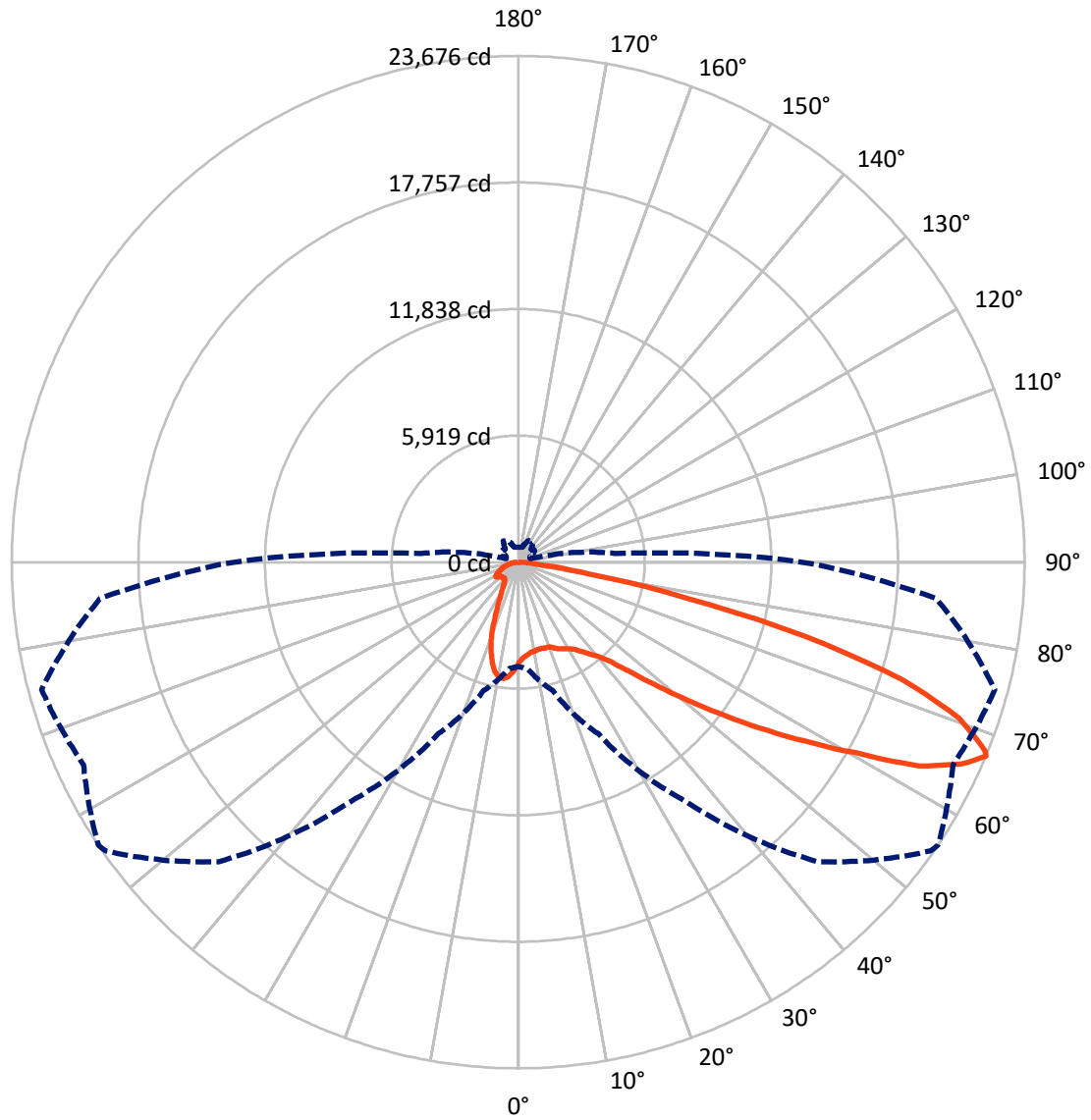
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5.8 fc  
 Type III - Short - N/A

REPORT NUMBER: P477627  
CATALOG NUMBER: IFLD-S-SA6C-722-U-T3R

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P477627  
 CATALOG NUMBER: IFLD-S-SA6C-722-U-T3R

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4759.6	0.0	4759.6
	% Fixture	15.8	0.0	15.8
<b>Street Side</b>	Lumens	25305.6	0.0	25305.6
	% Fixture	84.2	0.0	84.2
<b>Total</b>	Lumens	30065.2	0.0	30065.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	450.7	1.5
10°-20°	1229.5	4.1
20°-30°	1928.2	6.4
30°-40°	2752.5	9.2
40°-50°	4154.4	13.8
50°-60°	6613.1	22.0
60°-70°	8454.3	28.1
70°-80°	4122.0	13.7
80°-90°	360.6	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°	30065.2	100.0
0°-180°	30065.2	100.0

**Coefficient of Utilization**

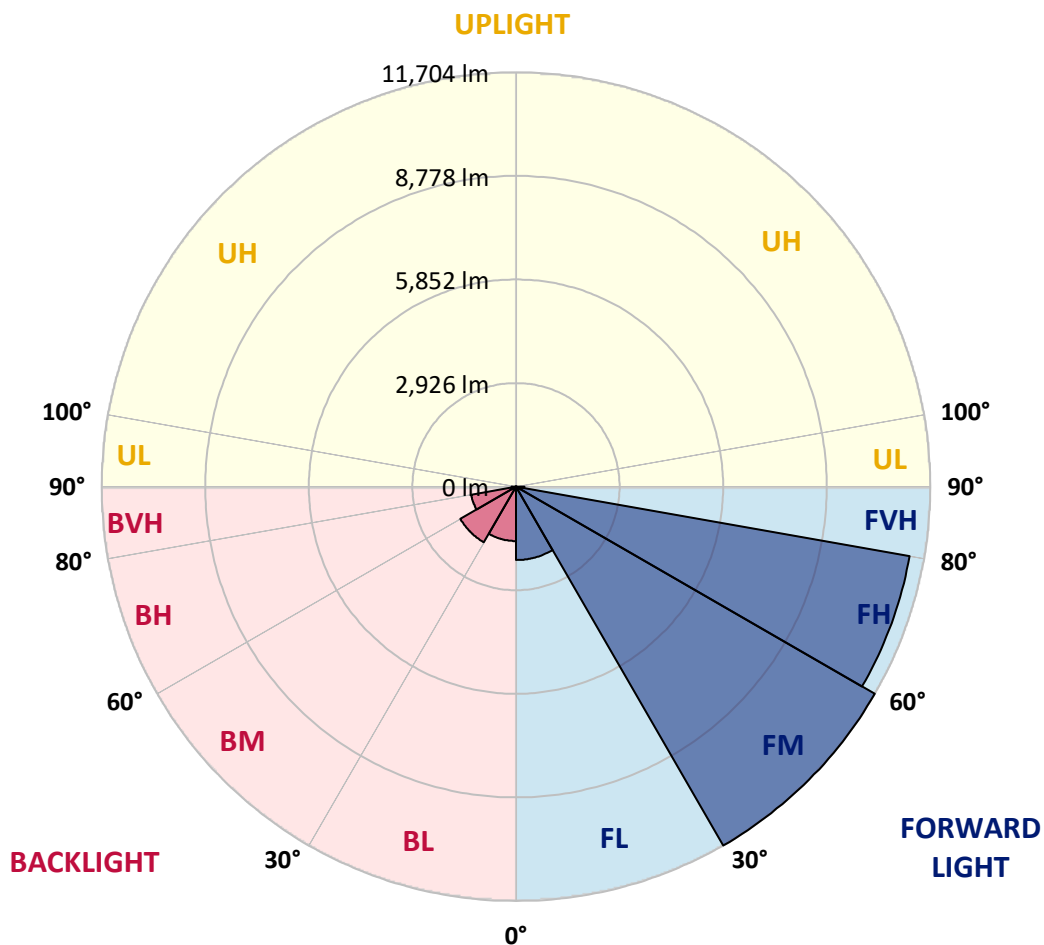


REPORT NUMBER: P477627  
 CATALOG NUMBER: IFLD-S-SA6C-722-U-T3R

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2071.8	6.9			
FM (30°-60°)	11704.1	38.9			
FH (60°-80°)	11290.2	37.6			G4/12000
FVH (80°-90°)	239.5	0.8			G3/500
BL (0°-30°)	1536.5	5.1	B3/2500		
BM (30°-60°)	1815.8	6.0	B2/2500		
BH (60°-80°)	1286.1	4.3	B3/2500		G3/2500
BVH (80°-90°)	121.1	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-G4**  
 Type III Short





REPORT NUMBER: P477627  
 CATALOG NUMBER: IFLD-S-SA6C-722-U-T3R

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°
0°	4678.1	4678.1	4678.1	4678.1	4678.1	4678.1	4678.1	4678.1	4678.1	4678.1
2.5°	4297.3	4279.7	4300.9	4279.7	4374.9	4431.3	4448.9	4473.6	4561.7	4646.3
5°	4117.5	4040.0	4124.6	4152.8	4159.9	4255.0	4353.7	4371.4	4417.2	4554.7
7.5°	3817.9	3906.0	3874.3	3958.9	4047.0	4142.2	4304.4	4258.6	4427.8	4558.2
10°	3754.4	3761.5	3796.7	3828.5	3906.0	4029.4	4255.0	4226.8	4399.6	4678.1
12.5°	3817.9	3817.9	3807.3	3782.6	3870.8	3990.6	4170.4	4184.5	4456.0	4713.3
15°	4040.0	4082.3	3969.5	3987.1	3951.9	3990.6	4149.3	4181.0	4477.1	4741.5
17.5°	4582.9	4568.8	4434.8	4248.0	4092.9	4068.2	4177.5	4212.7	4456.0	4822.6
20°	5111.7	5083.5	4850.8	4656.9	4350.2	4205.7	4223.3	4226.8	4491.2	4875.5
22.5°	5700.4	5774.4	5520.6	5125.8	4745.1	4385.5	4315.0	4371.4	4572.3	4903.7
25°	6624.0	6465.4	6246.8	5728.6	5115.2	4664.0	4466.6	4494.8	4649.9	4974.2
27.5°	7290.3	7226.9	6884.9	6465.4	5633.4	4882.5	4547.6	4600.5	4790.9	4970.7
30°	7931.9	7931.9	7723.9	7096.4	6179.8	5249.2	4720.4	4695.7	4723.9	4963.6
32.5°	8682.8	8580.6	8280.9	7864.9	6867.3	5584.1	4857.9	4864.9	4864.9	5094.1
35°	9077.6	9243.3	9042.4	8365.5	7392.5	6141.1	5189.2	5136.4	5097.6	5238.6
37.5°	9655.8	9754.5	9543.0	9144.6	8044.7	6592.3	5481.8	5439.5	5213.9	5351.4
40°	10004.8	9987.2	9980.1	9796.8	8908.4	7124.6	5911.9	5802.6	5499.5	5749.8
42.5°	10202.2	10167.0	10600.6	10487.8	9722.8	7907.2	6451.3	6391.4	6056.5	6458.3
45°	10424.3	10685.2	11041.2	11358.5	10671.1	9007.1	7364.3	7279.7	6980.1	7491.3
47.5°	10618.2	10939.0	11393.8	11732.2	11527.7	10202.2	8492.4	8513.6	8316.2	8841.4
50°	10942.5	10974.3	11591.2	12275.1	12433.7	11305.6	10008.3	9973.1	9884.9	10621.7
52.5°	10843.8	10939.0	11718.1	12592.4	12853.2	12472.5	11637.0	11742.8	11626.4	12553.6
55°	9236.3	9521.8	11640.5	12927.3	13847.4	13791.0	13731.0	13660.5	13653.5	14725.2
57.5°	8506.5	8739.2	10255.1	13297.4	14912.0	15328.0	15715.8	15793.3	15789.8	17083.6
60°	8027.1	8266.8	9694.6	13096.5	15818.0	17340.9	18084.8	18095.4	18074.2	19604.2
62.5°	7089.4	7322.0	8725.1	11996.6	16068.3	19198.8	20855.7	20993.1	20023.7	21775.8
65°	5961.3	6151.6	7389.0	10315.0	15402.0	20379.7	22939.1	22776.9	21666.5	23016.7
67°	4875.5	5002.4	6208.0	8855.5	13660.5	19812.2	23541.9	23675.9	22424.4	23069.5
67.5°	4565.3	4681.6	5820.3	8358.5	12997.8	19382.1	23563.1	23541.9	22438.5	23080.1
70°	3169.2	3218.6	3966.0	5749.8	9574.7	16375.0	21842.7	21892.1	21497.3	21828.6
72.5°	2101.1	2175.1	2651.0	3624.0	5644.0	11915.5	18257.5	18786.3	18536.0	17897.9
75°	1353.7	1396.0	1734.4	2157.5	2777.9	6786.2	13487.8	13840.3	13265.7	11069.4
77.5°	757.9	803.8	1047.0	1311.4	1353.7	2823.8	7575.9	8013.0	6789.7	4702.7
80°	472.4	532.3	789.7	779.1	645.1	1036.4	3123.4	3345.5	2714.5	1618.1
82.5°	356.1	401.9	609.9	546.4	363.1	461.8	1170.4	1255.0	994.1	624.0
85°	243.2	306.7	440.7	338.4	190.4	222.1	465.3	500.6	454.8	303.2
87.5°	88.1	130.4	229.1	169.2	84.6	67.0	151.6	169.2	162.2	137.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P477627  
 CATALOG NUMBER: IFLD-S-SA6C-722-U-T3R

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4678.1	0°	4678.1	4678.1	4678.1	4678.1	4678.1	4678.1	4678.1	4678.1	4678.1	4678.1
4720.4	2.5°	4787.4	4836.7	4861.4	5005.9	5065.9	5055.3	5069.4	5090.5	5111.7	5139.9
4780.3	5°	4826.1	4977.7	5058.8	5228.0	5340.8	5291.5	5354.9	5337.3	5312.6	5309.1
4889.6	7.5°	4953.0	5146.9	5390.2	5436.0	5485.4	5362.0	5256.2	5111.7	5076.4	4953.0
4981.2	10°	5178.7	5337.3	5633.4	5651.1	5432.5	5115.2	4879.0	4579.4	4575.8	4396.0
5122.3	12.5°	5393.7	5573.5	5813.2	5711.0	5189.2	4755.6	4371.4	4043.5	3906.0	3814.4
5206.9	15°	5527.7	5823.8	5950.7	5510.0	4762.7	4177.5	3680.4	3327.9	3186.9	3119.9
5312.6	17.5°	5651.1	6063.5	6007.1	5157.5	4237.4	3581.7	2989.5	2682.8	2644.0	2594.6
5481.8	20°	5820.3	6151.6	5806.2	4699.2	3641.6	2813.2	2436.0	2287.9	2323.2	2344.3
5499.5	22.5°	5978.9	6197.5	5552.3	4198.6	2876.6	2228.0	2041.1	2072.9	2125.8	2196.3
5541.8	25°	6049.4	6271.5	5210.4	3507.7	2189.2	1875.5	1833.2	1886.0	1974.2	1977.7
5601.7	27.5°	6095.2	6218.6	4797.9	2834.3	1730.9	1639.3	1702.7	1741.5	1752.1	1794.4
5728.6	30°	6176.3	6109.3	4276.2	2027.0	1452.4	1455.9	1537.0	1537.0	1537.0	1568.8
5855.5	32.5°	6317.3	6035.3	3666.3	1480.6	1251.5	1364.3	1343.1	1336.1	1322.0	1283.2
6017.7	35°	6405.5	5834.4	2894.3	1096.4	1124.6	1251.5	1244.4	1135.1	951.8	860.2
6430.1	37.5°	6588.8	5732.1	2129.3	846.1	1050.5	1195.1	1156.3	891.9	691.0	602.8
6941.3	40°	6983.6	5665.2	1473.6	740.3	1001.2	1166.9	1032.9	761.5	528.8	373.7
7731.0	42.5°	7466.6	5668.7	1001.2	698.0	1004.7	1226.8	994.1	652.2	373.7	299.7
8785.0	45°	8115.2	5615.8	687.4	698.0	1068.2	1325.5	1018.8	592.3	363.1	380.7
10107.0	47.5°	8813.2	5661.6	511.2	634.6	1078.7	1329.0	930.7	581.7	349.0	440.7
11545.3	50°	9627.6	5707.5	423.0	585.2	1082.3	1286.7	856.6	567.6	363.1	465.3
13195.2	52.5°	10466.6	5852.0	359.6	553.5	1124.6	1269.1	856.6	588.7	363.1	405.4
15296.3	55°	11718.1	6222.2	518.2	691.0	1279.7	1385.4	1054.1	824.9	507.6	521.7
17309.2	57.5°	13100.0	6602.9	578.1	726.2	1314.9	1248.0	1135.1	909.5	535.8	539.4
18874.4	60°	14009.5	6617.0	574.6	708.6	1230.3	1078.7	1110.5	958.9	546.4	461.8
19843.9	62.5°	14372.6	6186.9	599.3	708.6	1145.7	1008.2	1138.7	1032.9	564.0	578.1
20118.9	65°	13960.2	5298.5	578.1	634.6	1008.2	902.5	1145.7	1047.0	616.9	581.7
19625.3	67°	13315.0	4565.3	588.7	602.8	937.7	856.6	1205.7	1099.9	715.6	698.0
19368.0	67.5°	13131.7	4371.4	585.2	585.2	913.1	842.5	1219.8	1099.9	729.7	722.7
17094.2	70°	11573.6	3542.9	599.3	578.1	807.3	800.2	1297.3	1159.8	839.0	846.1
12557.1	72.5°	8809.7	2686.3	595.8	578.1	701.5	765.0	1307.9	1198.6	913.1	846.1
7033.0	75°	5005.9	1607.5	525.3	504.1	553.5	666.3	1223.3	1142.2	888.4	757.9
2809.7	77.5°	2069.3	828.4	483.0	454.8	458.3	542.9	1018.8	1064.6	846.1	645.1
937.7	80°	772.0	497.1	387.8	363.1	352.5	398.4	726.2	849.6	722.7	528.8
412.5	82.5°	401.9	310.2	264.4	264.4	239.7	253.8	391.3	564.0	546.4	363.1
165.7	85°	204.5	176.3	151.6	148.1	134.0	119.9	197.4	334.9	313.8	200.9
74.0	87.5°	109.3	98.7	63.5	59.9	49.4	31.7	35.3	67.0	109.3	88.1
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>
4678.1
5168.1
5340.8
4995.3
4389.0
3793.2
3105.8
2619.3
2319.6
2157.5
2012.9
1833.2
1604.0
1262.1
902.5
599.3
363.1
292.6
387.8
490.0
539.4
416.0
549.9
521.7
475.9
585.2
571.1
687.4
708.6
782.6
750.9
676.9
609.9
483.0
285.5
165.7
63.5
0.0

F REPORT)