

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: P637790

Luminaire Tested: **IFLD-S-SA3E-722-U-66-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P637790  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3E-722-U-66-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor  
Light Source: (48) 2200K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16753.4 lumens  
Efficiency: N/A  
Efficacy: 72.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G1

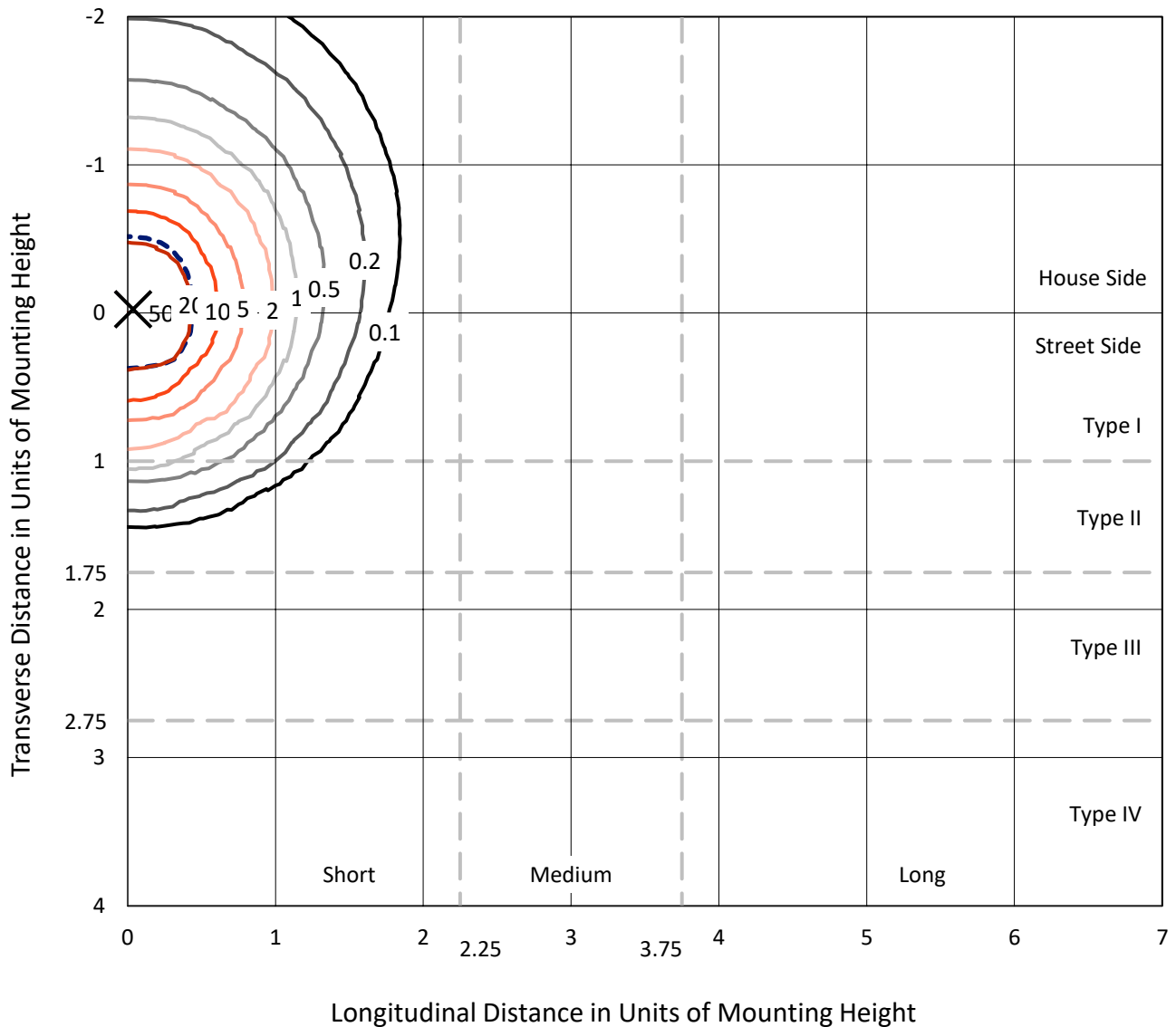
Input Watts (W): 232.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



REPORT NUMBER: P637790  
 CATALOG NUMBER: IFLD-S-SA3E-722-U-66-VI

### Iso-Footcandle Lines of Horizontal Illumination

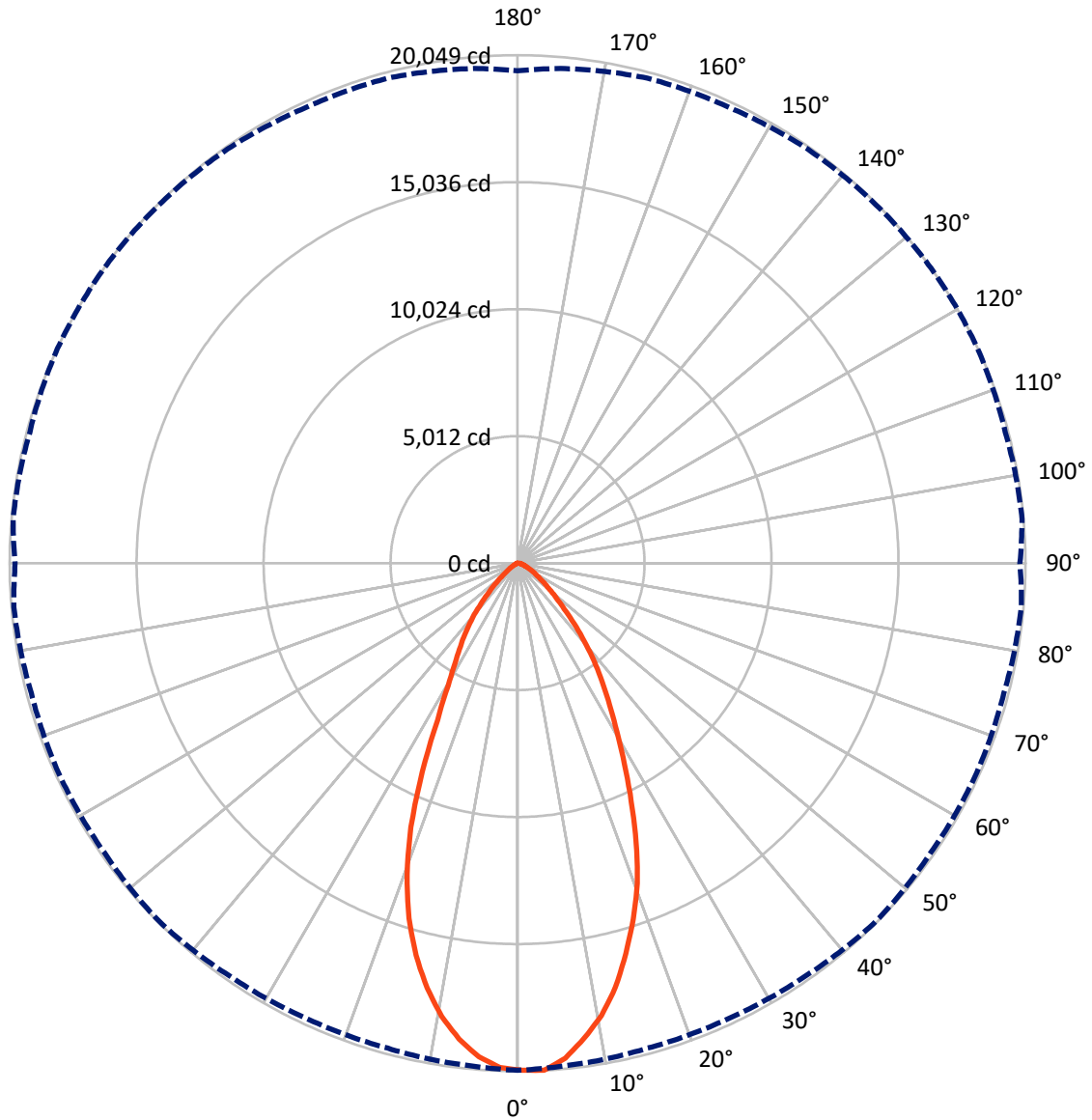
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 50 fc  
 Type I - Short - N/A

REPORT NUMBER: P637790  
CATALOG NUMBER: IFLD-S-SA3E-722-U-66-VI

### Luminous Intensity Polar Plot



— Vertical Plane Through 125-Deg Lateral    - - - Horizontal Cone Through 2.5-Deg Vertical

REPORT NUMBER: P637790  
 CATALOG NUMBER: IFLD-S-SA3E-722-U-66-VI

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9506.5	0.0	9506.5
	% Fixture	56.7	0.0	56.7
<b>Street Side</b>	Lumens	7246.9	0.0	7246.9
	% Fixture	43.3	0.0	43.3
<b>Total</b>	Lumens	16753.4	0.0	16753.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1817.6	10.8
10°-20°	4332.6	25.9
20°-30°	4412.7	26.3
30°-40°	3290.5	19.6
40°-50°	1719.1	10.3
50°-60°	723.0	4.3
60°-70°	295.3	1.8
70°-80°	124.3	0.7
80°-90°	38.3	0.2
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°	16753.4	100.0
0°-180°	16753.4	100.0



REPORT NUMBER: P637790

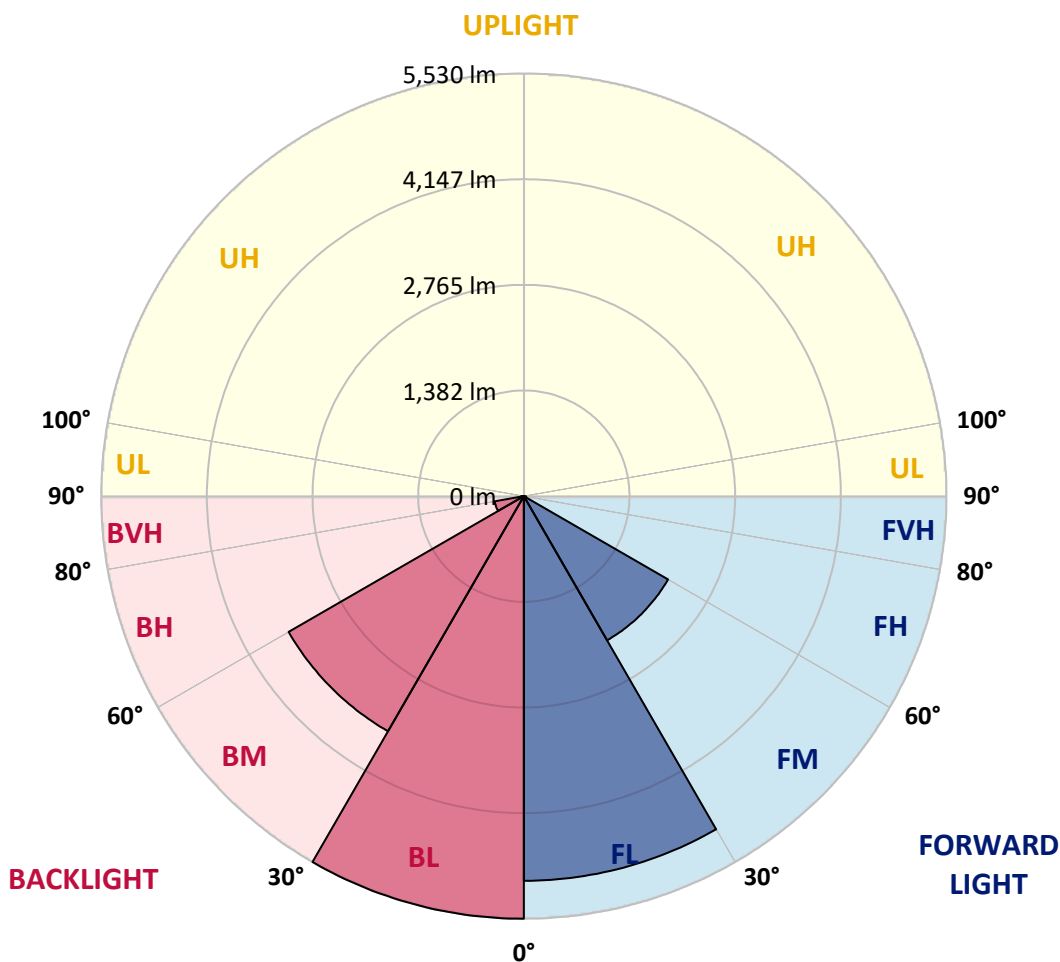
CATALOG NUMBER: IFLD-S-SA3E-722-U-66-VI

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5032.9	30.0			
FM (30°-60°)	2178.8	13.0			
FH (60°-80°)	31.5	0.2			G0/660
FVH (80°-90°)	3.6	0.0			G0/10
BL (0°-30°)	5530.0	33.0	B5		
BM (30°-60°)	3553.8	21.2	B3/5000		
BH (60°-80°)	388.0	2.3	B1/500		G1/500
BVH (80°-90°)	34.7	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G1**

Type I Short





REPORT NUMBER: P637790  
 CATALOG NUMBER: IFLD-S-SA3E-722-U-66-VI

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	20016.3	20016.3	20016.3	20016.3	20016.3	20016.3	20016.3	20016.3	20016.3	20016.3
2.5°	20018.4	19936.7	19820.4	19809.7	19869.9	20001.2	19917.3	19921.6	19869.9	19958.2
5°	19704.2	19626.8	19547.1	19441.7	19529.9	19585.9	19542.8	19495.5	19428.8	19514.9
7.5°	19110.3	19067.2	18948.9	18901.5	18955.3	19017.7	18925.2	18912.3	18819.7	18931.6
10°	18202.1	18184.9	18068.7	18040.7	18088.0	18182.7	18141.8	18133.2	18075.1	18064.4
12.5°	17259.5	17192.8	17048.6	17040.0	17111.0	17253.0	17143.3	17037.8	17070.1	17098.1
15°	14832.0	14761.0	15118.2	15679.9	15974.7	15964.0	15996.2	15869.3	15830.5	15843.4
17.5°	11791.1	11670.6	11799.7	12669.2	14070.1	14883.6	14659.8	14386.5	14240.2	14143.3
20°	10177.1	10183.5	10159.9	10383.7	11257.4	13112.5	13058.7	12531.4	12339.9	12260.3
22.5°	9195.7	9159.2	9107.5	9178.5	9413.1	10502.0	11231.6	10747.4	10680.7	10592.4
25°	8233.8	8233.8	8171.4	8242.4	8309.1	8324.2	9055.9	9253.8	9124.7	9124.7
27.5°	7400.9	7357.9	7329.9	7362.2	7274.0	6850.0	6942.5	7956.2	7867.9	7814.1
30°	6574.5	6561.6	6514.3	6557.3	6230.2	5752.4	5558.8	6714.4	6807.0	6787.6
32.5°	5427.5	5479.1	5690.0	5756.8	5197.2	4812.0	4626.9	5573.8	5944.0	5928.9
35°	3688.6	3731.7	3972.7	4769.0	4308.4	4033.0	3979.2	4433.2	5042.3	5100.4
37.5°	2937.6	2931.1	3000.0	3142.0	3462.7	3395.9	3380.9	3499.2	4112.6	4138.4
40°	2421.1	2412.5	2410.3	2294.1	2214.5	2823.5	2782.6	2711.6	3243.1	3294.8
42.5°	1951.9	1960.5	1967.0	1713.0	1596.8	2177.9	2154.2	2081.0	2543.7	2604.0
45°	1532.3	1530.1	1543.0	1276.2	1243.9	1392.4	1609.7	1551.6	1919.6	1984.2
47.5°	794.1	822.1	996.4	987.8	1002.9	987.8	1218.1	1203.0	1444.0	1547.3
50°	533.7	542.3	557.4	559.5	789.8	727.4	826.4	936.1	1011.5	1170.7
52.5°	413.2	419.7	380.9	357.2	484.2	538.0	542.3	647.8	705.9	867.3
55°	230.3	258.2	277.6	279.8	266.9	398.1	396.0	479.9	525.1	632.7
57.5°	30.1	36.6	56.0	180.8	178.6	221.7	277.6	348.6	374.5	462.7
60°	2.2	4.3	6.5	28.0	118.4	129.1	189.4	217.4	260.4	325.0
62.5°	0.0	0.0	2.2	6.5	23.7	75.3	99.0	114.1	152.8	213.1
65°	0.0	0.0	2.2	4.3	8.6	28.0	38.7	62.4	90.4	131.3
67.5°	0.0	0.0	2.2	4.3	6.5	10.8	17.2	28.0	47.3	79.6
70°	0.0	0.0	2.2	4.3	6.5	8.6	12.9	17.2	25.8	43.0
72.5°	0.0	0.0	2.2	2.2	4.3	10.8	10.8	12.9	17.2	23.7
75°	0.0	0.0	2.2	4.3	6.5	10.8	10.8	10.8	12.9	15.1
77.5°	0.0	0.0	2.2	4.3	6.5	10.8	8.6	10.8	10.8	10.8
80°	0.0	0.0	2.2	4.3	6.5	10.8	12.9	10.8	8.6	8.6
82.5°	0.0	0.0	2.2	6.5	6.5	15.1	15.1	15.1	6.5	6.5
85°	0.0	0.0	4.3	6.5	10.8	17.2	17.2	12.9	6.5	4.3
87.5°	0.0	0.0	2.2	4.3	4.3	8.6	12.9	10.8	4.3	2.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P637790

CATALOG NUMBER: IFLD-S-SA3E-722-U-66-VI

**CANDELA DISTRIBUTION (continued):**

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
20016.3	0°	20016.3	20016.3	20016.3	20016.3	20016.3	20016.3	20016.3	20016.3	20016.3
19829.1	2.5°	19988.3	19934.5	20035.6	20048.6	20005.5	19951.7	19826.9	19816.1	19598.8
19390.0	5°	19609.5	19521.3	19585.9	19628.9	19613.8	19555.7	19504.1	19456.7	19260.9
18677.7	7.5°	18903.7	18871.4	18901.5	18933.8	18996.2	18933.8	18912.3	18862.8	18669.1
17976.1	10°	18120.3	18060.1	18174.1	18159.1	18141.8	18124.6	18034.2	18042.8	17814.7
17020.6	12.5°	17158.3	17057.2	17167.0	17179.9	17167.0	17106.7	17005.6	17048.6	16839.8
15729.4	15°	15865.0	15854.2	15933.8	15985.5	16022.1	15957.5	15923.1	15944.6	15819.8
14068.0	17.5°	14276.7	14416.6	14677.0	14765.3	14767.4	14834.1	14814.8	14788.9	14696.4
12228.0	20°	12408.8	12677.8	13078.0	13489.1	13607.5	13551.5	13525.7	13573.0	13435.3
10499.9	22.5°	10685.0	10915.2	11380.1	11980.5	12327.0	12361.4	12355.0	12314.1	12260.3
9116.1	25°	9221.6	9426.0	9871.5	10420.3	11085.2	11184.2	11188.5	11175.6	11128.3
7861.5	27.5°	7986.3	8233.8	8479.1	8969.8	9677.8	10086.7	10035.0	10020.0	10002.8
6802.7	30°	6867.2	7179.3	7409.5	7715.1	8350.0	8903.1	8956.9	8931.0	8890.1
5926.8	32.5°	5980.6	6165.6	6458.3	6664.9	7121.2	7747.4	7954.0	7934.6	7898.0
5137.0	35°	5210.1	5283.3	5513.6	5743.8	6047.3	6654.2	6959.8	6916.7	6910.3
4185.8	37.5°	4291.2	4536.5	4663.5	4895.9	5109.0	5580.3	6002.1	5982.7	5984.9
3365.8	40°	3464.8	3606.8	3858.6	4054.5	4250.3	4594.6	5063.8	5076.7	5072.4
2606.1	42.5°	2659.9	2797.7	3062.4	3275.4	3449.7	3662.8	4110.4	4125.5	4144.9
2029.4	45°	2076.7	2165.0	2358.7	2580.3	2765.4	2894.5	3234.5	3331.4	3333.5
1573.2	47.5°	1611.9	1713.0	1850.8	2063.8	2244.6	2337.1	2584.6	2715.9	2709.4
1207.3	50°	1265.4	1357.9	1469.9	1637.7	1833.6	1906.7	2089.6	2218.8	2212.3
910.3	52.5°	968.4	1086.8	1185.8	1314.9	1506.4	1568.8	1700.1	1848.6	1827.1
667.1	55°	733.9	854.4	946.9	1054.5	1228.8	1308.5	1398.8	1517.2	1521.5
516.5	57.5°	553.1	677.9	761.8	871.6	1002.9	1091.1	1160.0	1286.9	1284.8
352.9	60°	396.0	503.6	604.7	718.8	819.9	921.1	968.4	1088.9	1093.2
249.6	62.5°	286.2	387.4	484.2	583.2	673.6	772.6	815.6	910.3	923.2
163.6	65°	200.1	271.2	383.1	458.4	559.5	632.7	688.7	770.4	785.5
96.8	67.5°	129.1	195.8	303.4	370.2	462.7	525.1	583.2	647.8	667.1
62.4	70°	77.5	148.5	226.0	297.0	380.9	436.9	492.8	548.8	559.5
30.1	72.5°	49.5	103.3	163.6	241.0	305.6	365.8	415.3	456.2	424.0
19.4	75°	28.0	71.0	129.1	189.4	247.5	305.6	346.5	368.0	294.8
12.9	77.5°	17.2	51.6	105.5	152.8	191.5	245.3	271.2	284.1	210.9
8.6	80°	10.8	38.7	88.2	124.8	124.8	180.8	210.9	221.7	152.8
6.5	82.5°	8.6	28.0	68.9	94.7	83.9	135.6	165.7	167.9	107.6
4.3	85°	6.5	21.5	43.0	62.4	58.1	94.7	96.8	107.6	71.0
4.3	87.5°	4.3	12.9	25.8	36.6	32.3	45.2	51.6	58.1	38.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°
20016.3
19428.8
19103.8
18628.2
17737.3
16779.6
15669.1
14558.7
13336.3
12157.0
10969.0
9901.6
8838.5
7801.2
6839.2
5916.0
4997.1
4080.3
3277.6
2685.8
2212.3
1829.2
1521.5
1280.5
1082.5
918.9
781.2
665.0
550.9
393.8
279.8
198.0
142.0
99.0
64.6
34.4
0.0

(END OF REPORT)