

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: P637137

Luminaire Tested: **IFLD-L-SA7D-740-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637137
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7D-740-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (112) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 48509.9 lumens
Efficiency: N/A
Efficacy: 114.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

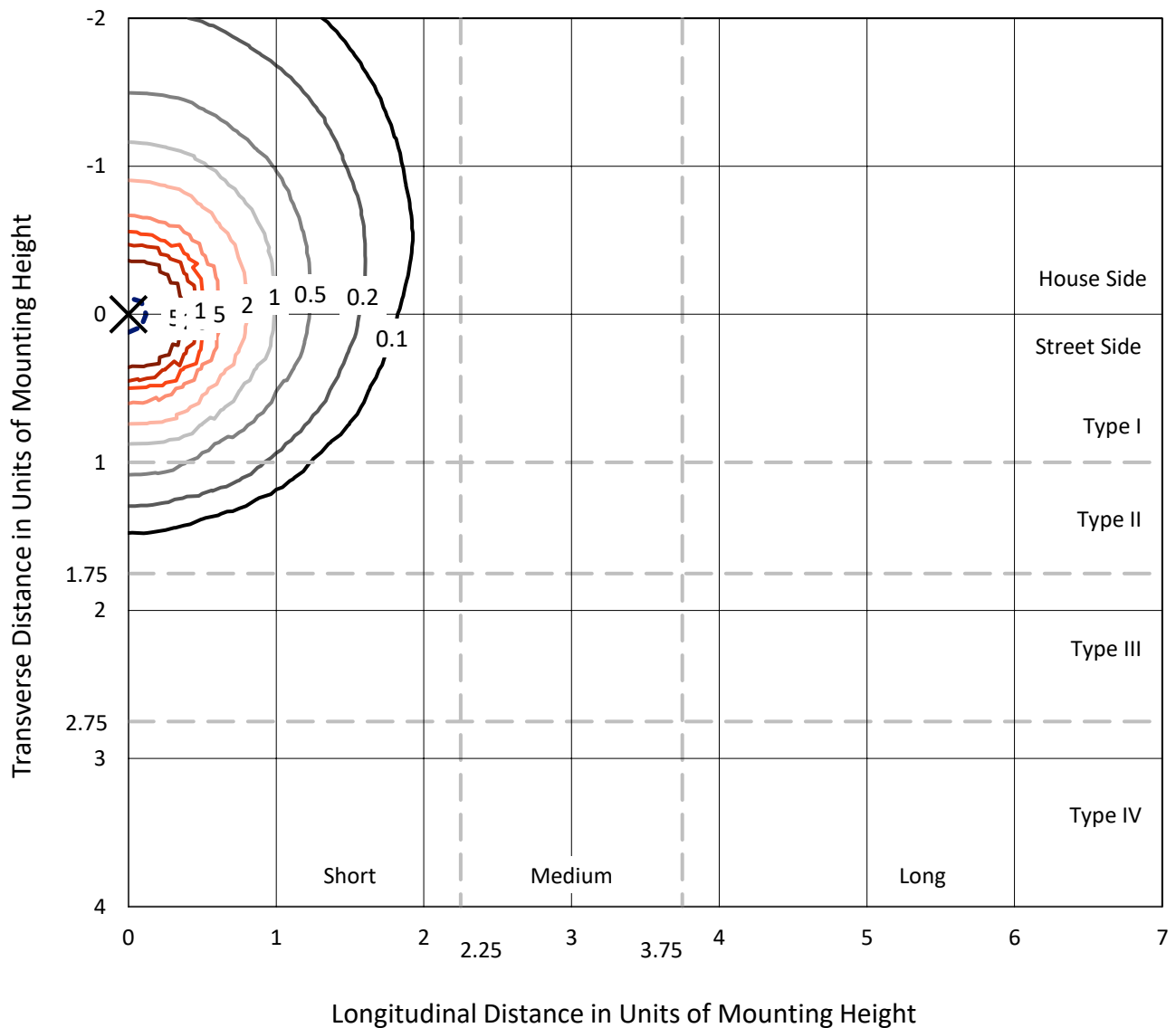
Input Watts (W): 422.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P637137
 CATALOG NUMBER: IFLD-L-SA7D-740-U-33-VI

Iso-Footcandle Lines of Horizontal Illumination

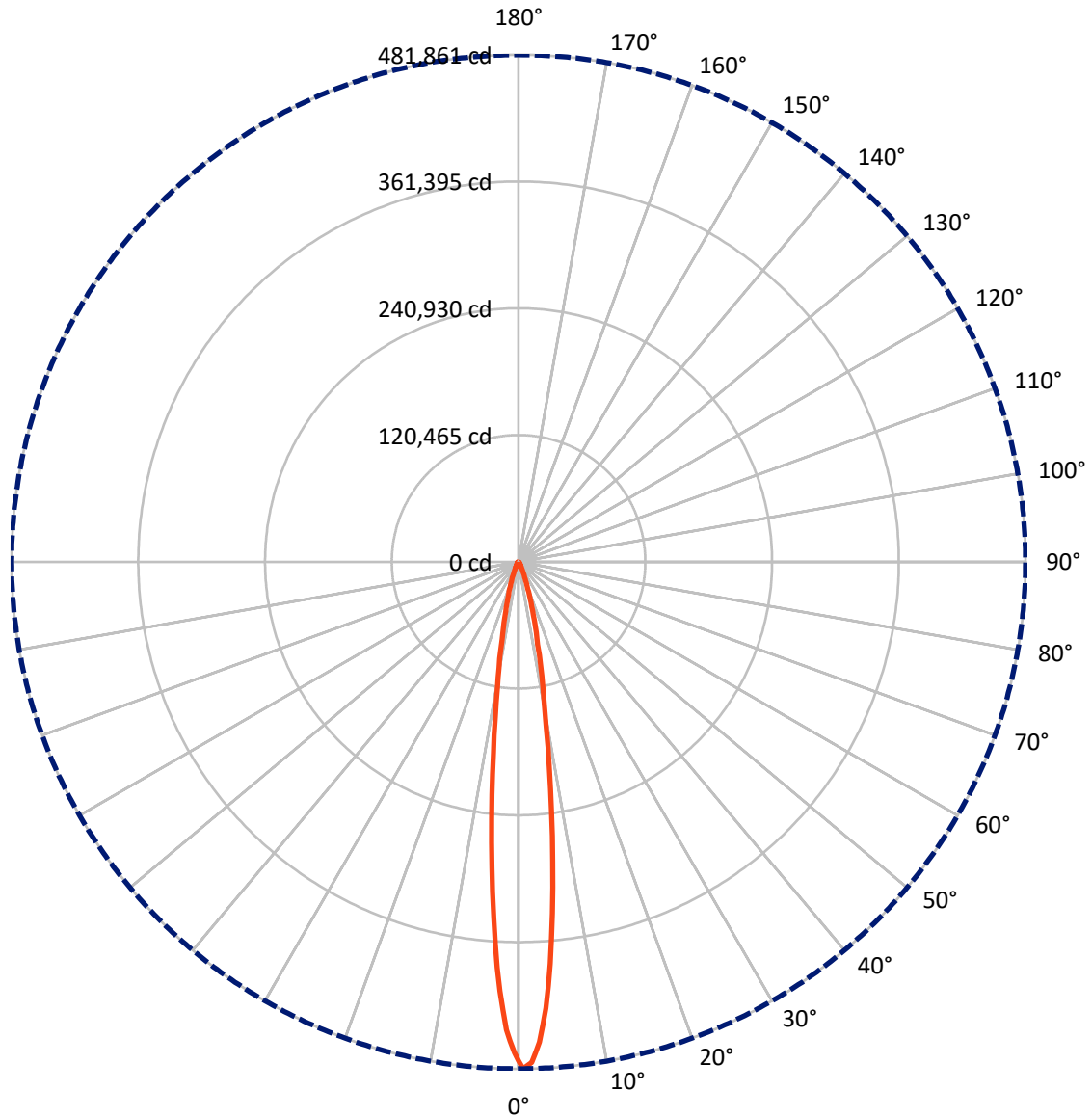
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1204.7 fc
 Type V - Short - N/A

REPORT NUMBER: P637137
CATALOG NUMBER: IFLD-L-SA7D-740-U-33-VI

Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

REPORT NUMBER: P637137
 CATALOG NUMBER: IFLD-L-SA7D-740-U-33-VI

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	24845.9	0.0	24845.9
	% Fixture	51.2	0.0	51.2
Street Side	Lumens	23664.0	0.0	23664.0
	% Fixture	48.8	0.0	48.8
Total	Lumens	48509.9	0.0	48509.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24489.2	50.5
10°-20°	15677.9	32.3
20°-30°	4712.5	9.7
30°-40°	1534.4	3.2
40°-50°	892.8	1.8
50°-60°	593.0	1.2
60°-70°	356.9	0.7
70°-80°	183.5	0.4
80°-90°	69.7	0.1
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°	48509.9	100.0
0°-180°	48509.9	100.0

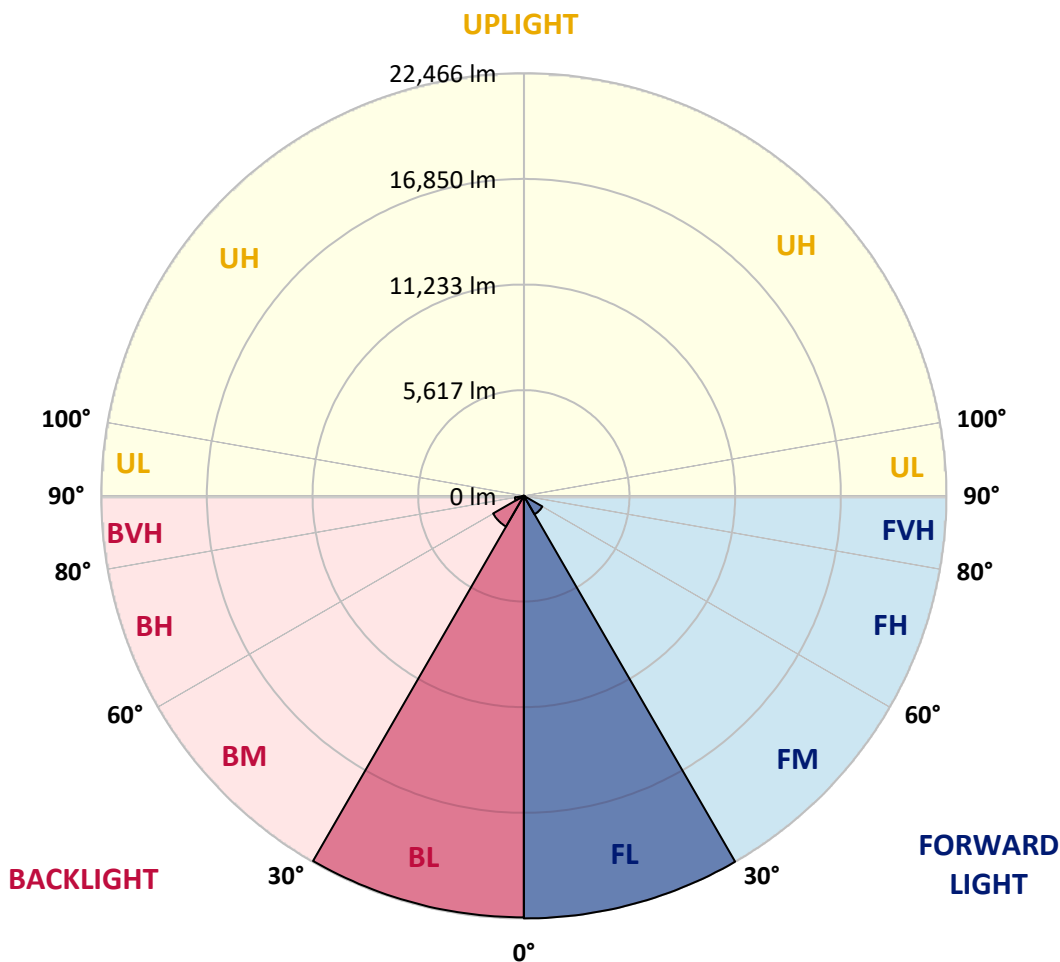


REPORT NUMBER: P637137
 CATALOG NUMBER: IFLD-L-SA7D-740-U-33-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	22466.4	46.3			
FM (30°-60°)	1133.7	2.3			
FH (60°-80°)	53.4	0.1			G0/660
FVH (80°-90°)	10.5	0.0			G1/100
BL (0°-30°)	22413.2	46.2	B5		
BM (30°-60°)	1886.4	3.9	B2/2500		
BH (60°-80°)	487.1	1.0	B1/500		G0/660
BVH (80°-90°)	59.2	0.1			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 V Short





REPORT NUMBER: P637137
 CATALOG NUMBER: IFLD-L-SA7D-740-U-33-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	481860.6	481860.6	481860.6	481860.6	481860.6	481860.6	481860.6	481860.6	481860.6	481860.6
1°	476091.0	474638.0	470886.7	473554.9	475900.8	475219.2	475171.6	474918.0	474564.0	477343.2
2°	457059.8	456119.3	450571.7	452859.4	456193.3	453762.9	455284.5	453947.8	453974.2	457292.3
3°	424978.4	425490.9	416641.0	420799.1	425432.8	419541.7	421369.8	424804.0	421206.0	420122.8
4°	383281.0	378832.3	373997.9	378224.7	379424.0	375995.0	379365.9	383571.6	378573.4	378795.3
5°	335676.7	332390.3	326668.3	329278.3	326303.7	327386.8	332437.9	334170.9	330683.7	326293.2
6°	286730.3	284395.0	277241.1	281003.0	279946.3	279333.4	285710.6	280427.1	282329.1	279671.5
7°	238502.5	234138.3	230624.8	234228.2	234460.6	232616.7	240895.9	239934.3	236473.6	235670.6
8°	197602.9	193249.3	190274.7	192958.7	194712.9	191817.5	195711.4	198268.6	195563.5	195806.5
9°	159376.8	158610.7	154473.7	157982.0	159889.3	156787.9	161099.2	162023.8	159493.0	160724.1
10°	130861.7	129968.8	126666.6	128087.9	131247.4	127549.0	131686.0	131987.1	129968.8	130544.7
12.5°	80869.3	80510.0	80420.2	80626.2	80584.0	81239.1	82295.8	81091.2	80932.7	78940.8
15°	52269.7	52803.3	52253.8	53310.5	53463.7	54081.9	53437.3	52465.2	50610.7	49691.3
17.5°	32620.3	33301.9	34242.4	35790.4	37338.5	37518.1	36662.2	35521.0	34622.8	33640.0
20°	18767.0	19099.9	18957.2	20811.7	24816.6	25905.0	24800.8	23601.4	22518.3	21525.0
22.5°	11660.7	11539.2	11761.1	12384.5	13689.6	17055.1	16151.7	14952.3	14165.1	13346.1
25°	7148.6	7280.7	7196.1	7539.6	8126.0	9552.6	9758.6	9240.8	8839.3	8416.6
27.5°	4601.9	4601.9	4638.9	4829.1	5230.7	5183.1	6282.1	5880.5	5663.9	5457.9
30°	3196.5	3207.1	3207.1	3318.0	3407.9	3249.4	3534.7	4052.4	3952.1	3793.6
32.5°	2372.3	2404.0	2430.4	2488.5	2414.6	2245.5	2314.2	2916.5	2858.4	2800.3
35°	1807.0	1833.4	1896.8	1928.5	1822.8	1717.1	1653.7	2145.1	2171.5	2155.7
37.5°	1315.6	1331.4	1447.7	1569.2	1447.7	1352.6	1315.6	1648.5	1775.3	1759.4
40°	1009.1	1014.4	1035.6	1172.9	1172.9	1099.0	1109.5	1231.1	1453.0	1453.0
42.5°	866.5	866.5	887.6	866.5	871.8	951.0	977.4	993.3	1231.1	1231.1
45°	750.3	750.3	760.8	708.0	655.2	818.9	840.1	845.4	1035.6	1062.0
47.5°	628.7	628.7	649.9	581.2	554.8	649.9	708.0	723.8	892.9	914.0
50°	464.9	470.2	533.6	475.5	491.4	501.9	612.9	623.5	755.5	803.1
52.5°	311.7	311.7	322.3	369.8	428.0	412.1	496.6	533.6	602.3	665.7
55°	253.6	253.6	248.3	237.8	317.0	343.4	364.6	443.8	491.4	570.6
57.5°	174.4	184.9	169.1	195.5	206.1	258.9	274.7	348.7	375.1	480.8
60°	21.1	26.4	37.0	142.7	137.4	174.4	206.1	274.7	306.4	369.8
62.5°	5.3	5.3	10.6	26.4	95.1	116.2	163.8	190.2	221.9	285.3
65°	0.0	0.0	5.3	10.6	21.1	63.4	84.5	111.0	158.5	200.8
67.5°	0.0	0.0	5.3	10.6	10.6	26.4	42.3	68.7	84.5	147.9
70°	0.0	0.0	5.3	10.6	10.6	21.1	26.4	31.7	58.1	79.3
72.5°	0.0	0.0	5.3	10.6	15.9	21.1	26.4	26.4	26.4	52.8
75°	0.0	0.0	5.3	10.6	15.9	21.1	26.4	26.4	21.1	21.1
77.5°	0.0	0.0	5.3	10.6	21.1	26.4	31.7	26.4	15.9	15.9
80°	0.0	0.0	5.3	15.9	26.4	37.0	42.3	31.7	15.9	10.6
82.5°	0.0	0.0	10.6	21.1	31.7	42.3	58.1	47.6	21.1	10.6
85°	0.0	0.0	5.3	15.9	31.7	42.3	84.5	58.1	26.4	5.3
87.5°	0.0	0.0	0.0	5.3	5.3	10.6	31.7	21.1	10.6	5.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P637137

CATALOG NUMBER: IFLD-L-SA7D-740-U-33-VI

CANDELA DISTRIBUTION (continued):

90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
481860.6	0°	481860.6	481860.6	481860.6	481860.6	481860.6	481860.6	481860.6	481860.6
474136.1	1°	477448.8	477781.7	476693.3	478378.7	477787.0	474321.0	473174.5	471816.6
455342.7	2°	453947.8	455643.8	455728.4	457598.7	457572.3	453530.4	452278.2	454587.1
422320.8	3°	421042.2	423018.2	421237.7	424561.0	423562.4	418659.3	417386.0	420006.6
380549.4	4°	379413.5	379038.3	378425.5	376534.0	378864.0	375519.5	372999.3	376555.1
332115.6	5°	331449.9	330615.1	329421.0	328860.9	330593.9	328454.1	323271.0	328464.7
284479.5	6°	284828.2	281235.5	281061.1	280749.4	280923.7	274932.2	275291.5	279159.0
232907.3	7°	235369.4	236029.8	234682.5	236843.5	235195.0	231137.3	229573.4	233647.0
196873.8	8°	195500.1	194665.3	193635.0	196863.2	194004.9	191342.0	189519.2	192736.8
160924.9	9°	160623.7	159181.3	158135.2	157971.4	158415.2	153417.0	154431.4	156867.1
130861.7	10°	130909.3	128542.3	129118.2	129271.4	128785.3	125509.6	125541.3	126381.3
80261.7	12.5°	79976.4	78814.0	79104.6	79263.1	80251.1	79099.3	77472.0	76299.0
50605.4	15°	50267.2	49432.4	51139.0	52285.5	52053.0	51028.1	50261.9	49200.0
33640.0	17.5°	33328.3	34422.0	34427.3	35473.4	35579.1	34554.1	33962.3	33006.0
21879.0	20°	21799.7	22254.1	23199.9	23939.5	24367.5	23585.5	22877.6	22222.4
13642.0	22.5°	13642.0	14434.5	15026.3	15987.9	16378.9	15808.2	15306.3	14772.7
8517.0	25°	8374.3	8939.7	9431.0	10265.8	10799.5	10524.7	10065.1	9689.9
5500.1	27.5°	5584.7	5822.4	6065.5	6641.4	7196.1	7042.9	6858.0	6630.8
3878.1	30°	3936.2	3957.3	4216.2	4538.5	4908.4	5003.5	4918.9	4802.7
2847.8	32.5°	2900.6	2985.2	3106.7	3307.5	3555.8	3783.0	3740.7	3687.9
2176.8	35°	2240.2	2367.0	2467.4	2620.6	2752.7	2969.3	3006.3	2990.5
1791.1	37.5°	1828.1	1939.0	2039.4	2129.3	2240.2	2388.1	2504.4	2509.7
1479.4	40°	1516.4	1616.8	1748.8	1817.5	1896.8	2007.7	2150.4	2161.0
1252.2	42.5°	1278.6	1373.7	1505.8	1590.3	1648.5	1754.1	1896.8	1917.9
1072.6	45°	1099.0	1157.1	1294.5	1394.8	1453.0	1521.6	1674.9	1696.0
924.6	47.5°	956.3	1014.4	1099.0	1241.6	1294.5	1357.9	1479.4	1516.4
818.9	50°	840.1	898.2	972.2	1099.0	1178.2	1231.1	1331.4	1384.3
713.3	52.5°	745.0	803.1	882.3	982.7	1072.6	1120.1	1215.2	1283.9
581.2	55°	623.5	723.8	782.0	871.8	993.3	1035.6	1109.5	1199.4
507.2	57.5°	544.2	628.7	713.3	787.2	908.8	961.6	1035.6	1120.1
401.5	60°	459.7	538.9	639.3	702.7	818.9	887.6	966.9	1046.1
306.4	62.5°	364.6	470.2	538.9	628.7	739.7	829.5	892.9	972.2
237.8	65°	269.5	385.7	464.9	560.1	665.7	760.8	813.7	898.2
169.1	67.5°	195.5	301.2	396.3	486.1	586.5	681.6	734.4	808.4
105.7	70°	153.2	221.9	327.6	406.8	512.5	591.8	649.9	697.4
68.7	72.5°	89.8	169.1	264.2	354.0	449.1	501.9	544.2	586.5
31.7	75°	58.1	132.1	216.6	295.9	364.6	412.1	449.1	486.1
15.9	77.5°	37.0	95.1	174.4	248.3	280.0	338.1	369.8	391.0
10.6	80°	21.1	74.0	153.2	200.8	227.2	264.2	295.9	322.3
10.6	82.5°	15.9	63.4	126.8	169.1	169.1	211.3	227.2	227.2
5.3	85°	10.6	52.8	100.4	158.5	126.8	158.5	147.9	147.9
5.3	87.5°	10.6	37.0	47.6	68.7	58.1	68.7	68.7	79.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
481860.6
466438.0
444807.4
408367.1
363684.5
314780.4
267947.5
222567.5
183548.8
149258.9
120664.6
75585.8
48655.8
32768.3
21995.2
14487.4
9473.3
6498.7
4723.4
3645.6
2937.6
2472.7
2145.1
1902.1
1690.7
1521.6
1389.6
1283.9
1204.6
1125.4
1067.3
1009.1
914.0
813.7
713.3
597.0
486.1
380.4
290.6
211.3
142.7
79.3
0.0

(END OF REPORT)