

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: P637163

Luminaire Tested: **IFLD-L-SA7A-750-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637163
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7A-750-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (112) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31840.6 lumens
Efficiency: N/A
Efficacy: 146.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

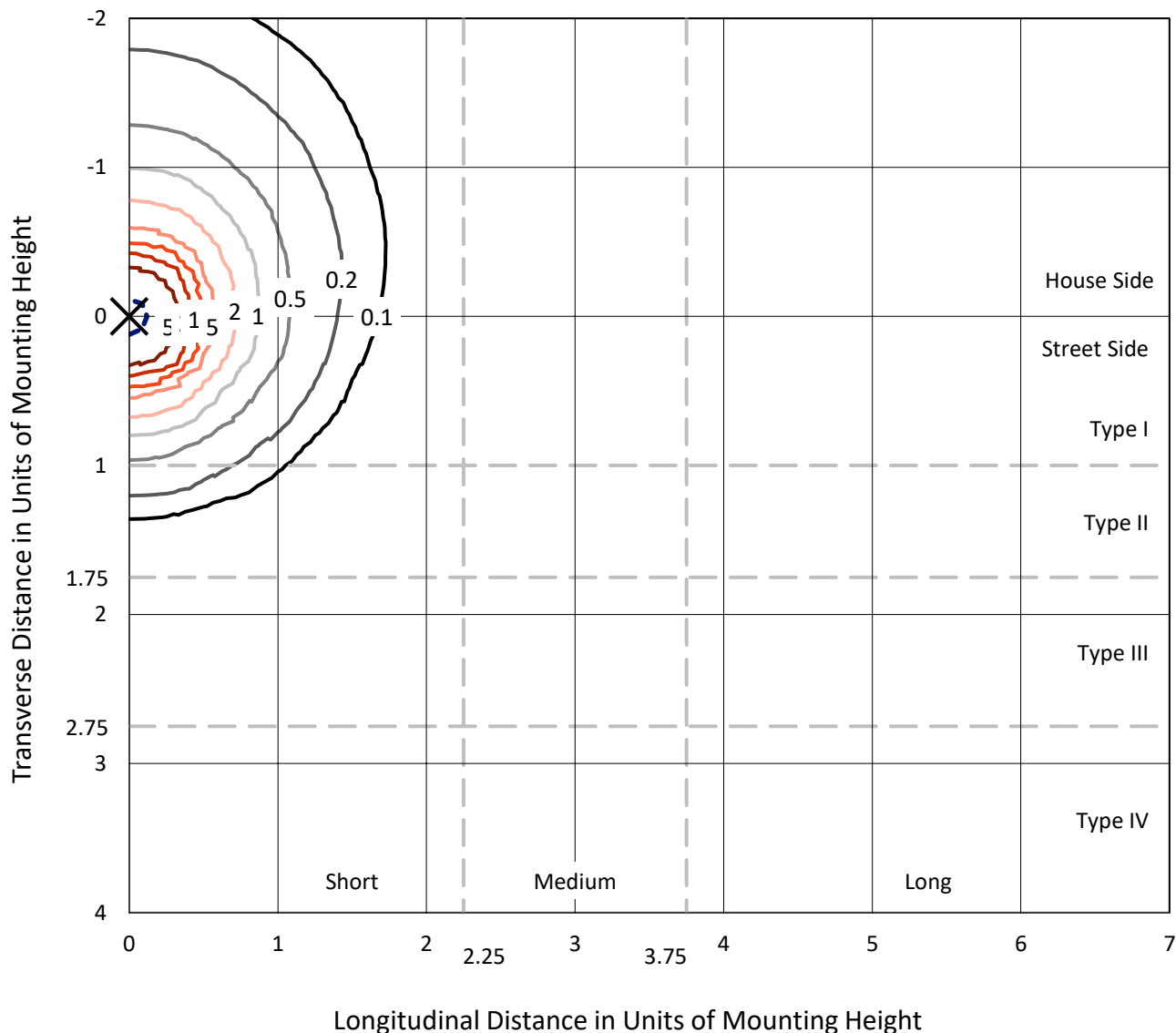
Input Watts (W): 217.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P637163
 CATALOG NUMBER: IFLD-L-SA7A-750-U-33-VI

Iso-Footcandle Lines of Horizontal Illumination

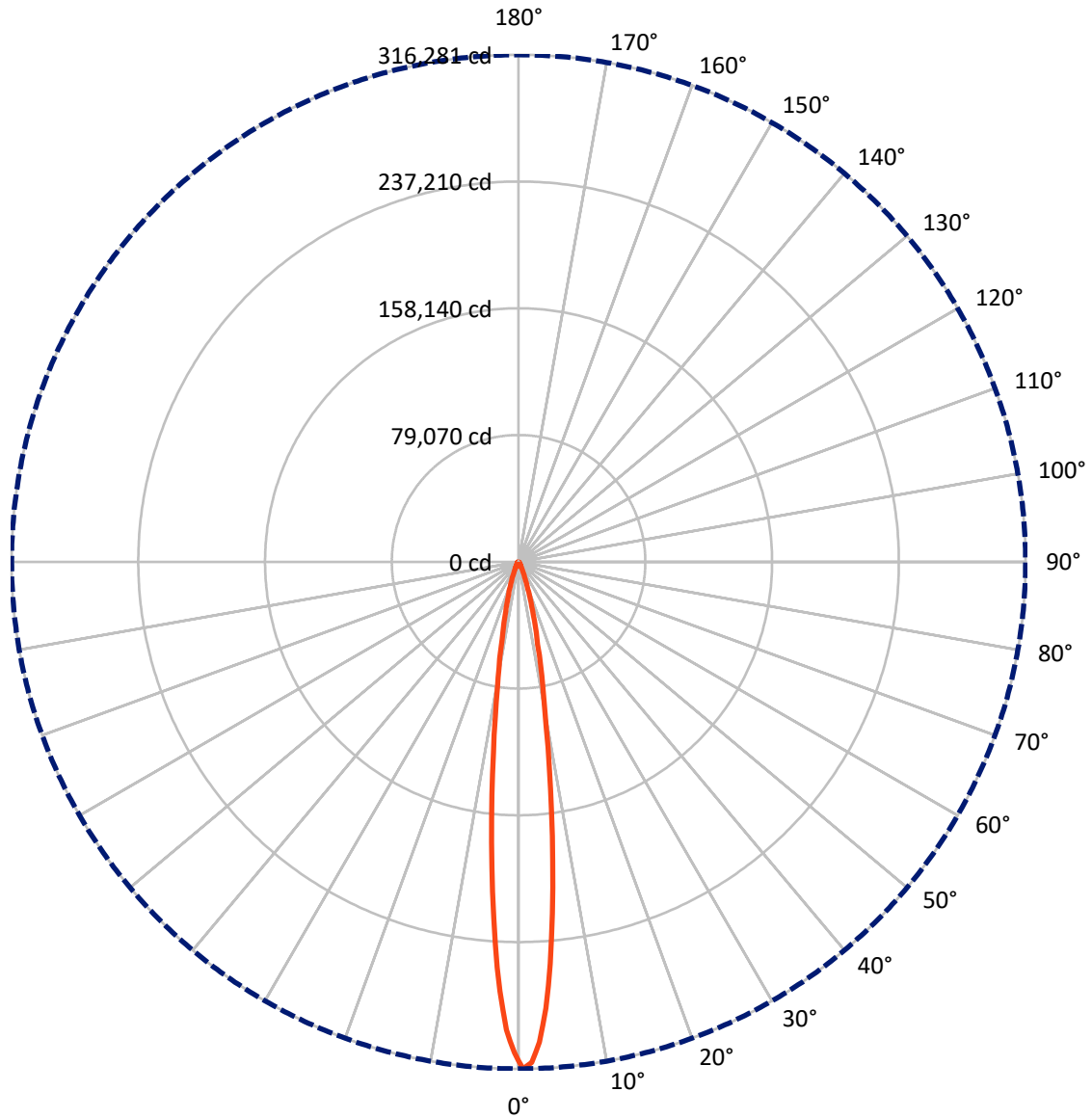
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 790.7 fc
 Type V - Short - N/A

REPORT NUMBER: P637163
CATALOG NUMBER: IFLD-L-SA7A-750-U-33-VI

Luminous Intensity Polar Plot



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

REPORT NUMBER: P637163
 CATALOG NUMBER: IFLD-L-SA7A-750-U-33-VI

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16308.2	0.0	16308.2
	% Fixture	51.2	0.0	51.2
Street Side	Lumens	15532.4	0.0	15532.4
	% Fixture	48.8	0.0	48.8
Total	Lumens	31840.6	0.0	31840.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16074.1	50.5
10°-20°	10290.6	32.3
20°-30°	3093.1	9.7
30°-40°	1007.1	3.2
40°-50°	586.0	1.8
50°-60°	389.2	1.2
60°-70°	234.3	0.7
70°-80°	120.4	0.4
80°-90°	45.7	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°	31840.6	100.0
0°-180°	31840.6	100.0

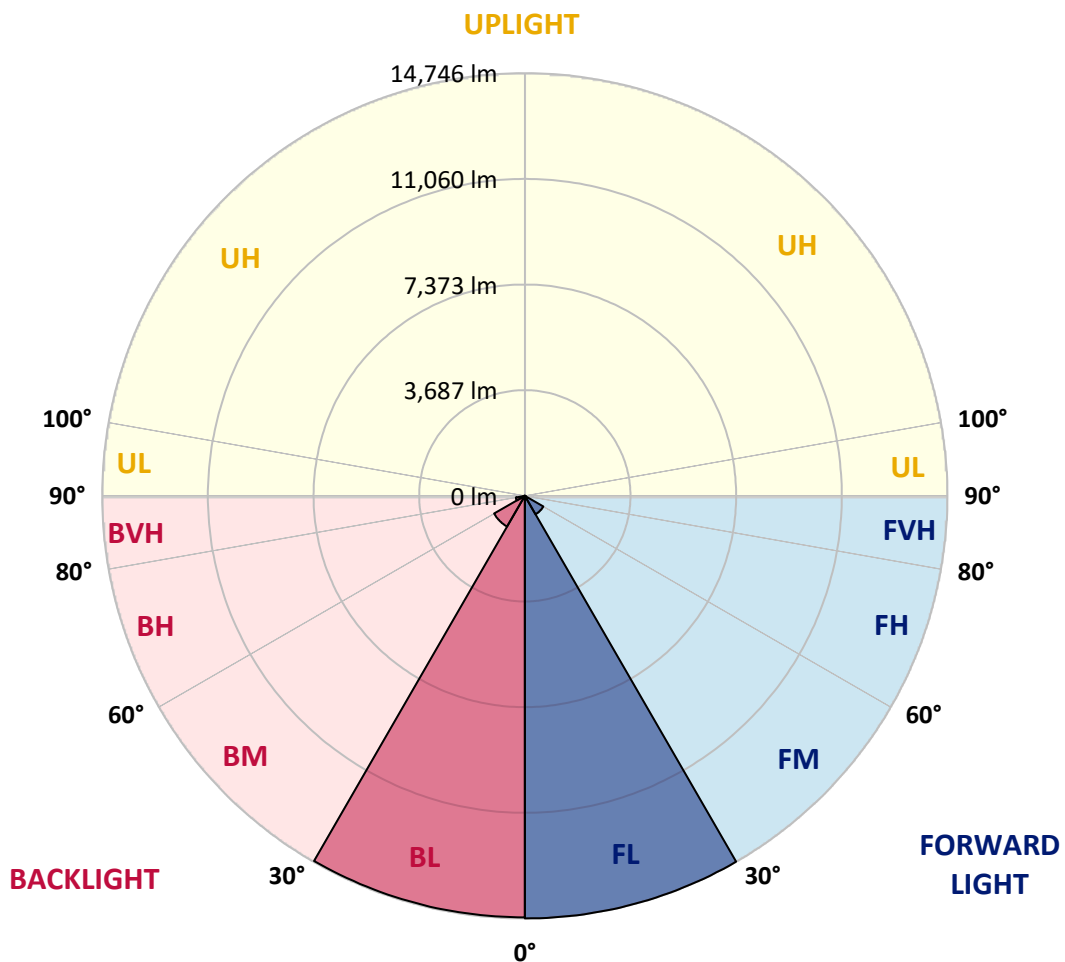


REPORT NUMBER: P637163
 CATALOG NUMBER: IFLD-L-SA7A-750-U-33-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	14746.4	46.3			
FM (30°-60°)	744.1	2.3			
FH (60°-80°)	35.0	0.1			G0/660
FVH (80°-90°)	6.9	0.0			G0/10
BL (0°-30°)	14711.4	46.2	B5		
BM (30°-60°)	1238.2	3.9	B2/2500		
BH (60°-80°)	319.7	1.0	B1/500		G0/660
BVH (80°-90°)	38.8	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: P637163
 CATALOG NUMBER: IFLD-L-SA7A-750-U-33-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	316280.6	316280.6	316280.6	316280.6	316280.6	316280.6	316280.6	316280.6	316280.6	316280.6
1°	312493.6	311540.0	309077.7	310829.0	312368.8	311921.4	311890.2	311723.8	311491.4	313315.5
2°	300002.1	299384.8	295743.4	297245.1	299433.3	297838.1	298836.8	297959.5	297976.8	300154.7
3°	278944.7	279281.1	273472.2	276201.5	279242.9	275376.2	276576.1	278830.2	276468.6	275757.6
4°	251575.6	248655.6	245482.4	248256.8	249044.0	246793.3	249005.9	251766.3	248485.7	248631.3
5°	220329.4	218172.3	214416.5	216129.7	214177.2	214888.1	218203.5	219341.0	217052.1	214170.3
6°	188202.3	186669.4	181973.8	184443.0	183749.4	183347.1	187532.9	184065.0	185313.5	183569.1
7°	156546.8	153682.3	151376.1	153741.2	153893.8	152683.5	158117.8	157486.6	155215.1	154688.0
8°	129701.4	126843.8	124891.3	126653.1	127804.4	125904.0	128459.9	130138.3	128362.8	128522.3
9°	104610.8	104107.9	101392.5	103695.2	104947.1	102911.5	105741.3	106348.2	104687.1	105495.1
10°	85894.2	85308.1	83140.7	84073.5	86147.4	83719.8	86435.2	86632.9	85308.1	85686.1
12.5°	53080.5	52844.6	52785.7	52920.9	52893.2	53323.2	54016.8	53226.1	53122.1	51814.7
15°	34308.4	34658.7	34298.0	34991.6	35092.2	35498.0	35074.9	34436.8	33219.5	32616.1
17.5°	21411.1	21858.5	22475.8	23491.9	24508.0	24625.9	24064.1	23315.0	22725.5	22080.4
20°	12318.2	12536.6	12443.0	13660.3	16289.0	17003.4	16278.6	15491.3	14780.4	14128.4
22.5°	7653.8	7574.0	7719.7	8128.9	8985.5	11194.5	10601.5	9814.3	9297.6	8760.0
25°	4692.1	4778.8	4723.3	4948.8	5333.7	6270.1	6405.3	6065.4	5801.9	5524.4
27.5°	3020.6	3020.6	3044.9	3169.7	3433.3	3402.1	4123.4	3859.8	3717.6	3582.4
30°	2098.1	2105.0	2105.0	2177.9	2236.8	2132.8	2320.1	2659.9	2594.0	2490.0
32.5°	1557.1	1577.9	1595.3	1633.4	1584.9	1473.9	1519.0	1914.3	1876.2	1838.0
35°	1186.0	1203.4	1245.0	1265.8	1196.4	1127.1	1085.5	1408.0	1425.3	1414.9
37.5°	863.5	873.9	950.2	1030.0	950.2	887.8	863.5	1082.0	1165.2	1154.8
40°	662.4	665.8	679.7	769.9	769.9	721.3	728.3	808.0	953.7	953.7
42.5°	568.7	568.7	582.6	568.7	572.2	624.2	641.6	652.0	808.0	808.0
45°	492.4	492.4	499.4	464.7	430.0	537.5	551.4	554.9	679.7	697.1
47.5°	412.7	412.7	426.6	381.5	364.1	426.6	464.7	475.1	586.1	600.0
50°	305.2	308.6	350.3	312.1	322.5	329.5	402.3	409.2	495.9	527.1
52.5°	204.6	204.6	211.5	242.8	280.9	270.5	326.0	350.3	395.3	437.0
55°	166.5	166.5	163.0	156.1	208.1	225.4	239.3	291.3	322.5	374.5
57.5°	114.4	121.4	111.0	128.3	135.3	169.9	180.3	228.9	246.2	315.6
60°	13.9	17.3	24.3	93.6	90.2	114.4	135.3	180.3	201.1	242.8
62.5°	3.5	3.5	6.9	17.3	62.4	76.3	107.5	124.8	145.7	187.3
65°	0.0	0.0	3.5	6.9	13.9	41.6	55.5	72.8	104.0	131.8
67.5°	0.0	0.0	3.5	6.9	6.9	17.3	27.7	45.1	55.5	97.1
70°	0.0	0.0	3.5	6.9	6.9	13.9	17.3	20.8	38.1	52.0
72.5°	0.0	0.0	3.5	6.9	10.4	13.9	17.3	17.3	17.3	34.7
75°	0.0	0.0	3.5	6.9	10.4	13.9	17.3	17.3	13.9	13.9
77.5°	0.0	0.0	3.5	6.9	13.9	17.3	20.8	17.3	10.4	10.4
80°	0.0	0.0	3.5	10.4	17.3	24.3	27.7	20.8	10.4	6.9
82.5°	0.0	0.0	6.9	13.9	20.8	27.7	38.1	31.2	13.9	6.9
85°	0.0	0.0	3.5	10.4	20.8	27.7	55.5	38.1	17.3	3.5
87.5°	0.0	0.0	0.0	3.5	3.5	6.9	20.8	13.9	6.9	3.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P637163

CATALOG NUMBER: IFLD-L-SA7A-750-U-33-VI

CANDELA DISTRIBUTION (continued):

90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
316280.6	0°	316280.6	316280.6	316280.6	316280.6	316280.6	316280.6	316280.6	316280.6
311210.5	1°	313384.9	313603.4	312889.0	313995.3	313606.8	311331.9	310579.3	309688.1
298875.0	2°	297959.5	299072.7	299128.2	300355.8	300338.5	297685.5	296863.6	298379.1
277200.3	3°	276361.1	277658.1	276489.4	278670.7	278015.3	274797.0	273961.2	275681.3
249782.7	4°	249037.1	248790.8	248388.6	247147.0	248676.4	246481.2	244827.0	247160.9
217992.0	5°	217555.0	217007.1	216223.3	215855.7	216993.2	215588.7	212186.6	215595.6
186724.9	6°	186953.8	184595.6	184481.1	184276.5	184391.0	180458.3	180694.1	183232.7
152874.2	7°	154490.3	154923.8	154039.5	155457.9	154375.9	151712.5	150686.0	153359.7
129222.8	8°	128321.1	127773.2	127097.0	129215.9	127339.7	125591.9	124395.4	126507.4
105626.9	9°	105429.2	104482.4	103795.8	103688.3	103979.6	100698.9	101364.8	102963.5
85894.2	10°	85925.4	84371.8	84749.8	84850.4	84531.3	82381.2	82402.0	82953.4
52681.7	12.5°	52494.4	51731.4	51922.2	52026.2	52674.7	51918.7	50850.6	50080.7
33216.0	15°	32994.1	32446.2	33566.3	34318.8	34166.3	33493.5	32990.6	32293.6
22080.4	17.5°	21875.8	22593.7	22597.2	23283.8	23353.2	22680.4	22292.0	21664.3
14360.8	20°	14308.8	14607.0	15227.8	15713.3	15994.2	15480.9	15016.2	14586.2
8954.3	22.5°	8954.3	9474.4	9862.9	10494.0	10750.6	10376.1	10046.7	9696.4
5590.3	25°	5496.7	5867.8	6190.3	6738.2	7088.5	6908.2	6606.4	6360.2
3610.1	27.5°	3665.6	3821.7	3981.2	4359.2	4723.3	4622.8	4501.4	4352.3
2545.5	30°	2583.6	2597.5	2767.4	2979.0	3221.7	3284.2	3228.7	3152.4
1869.2	32.5°	1903.9	1959.4	2039.2	2170.9	2333.9	2483.1	2455.3	2420.6
1428.8	35°	1470.4	1553.6	1619.5	1720.1	1806.8	1949.0	1973.3	1962.9
1175.6	37.5°	1199.9	1272.7	1338.6	1397.6	1470.4	1567.5	1643.8	1647.3
971.0	40°	995.3	1061.2	1147.9	1193.0	1245.0	1317.8	1411.5	1418.4
821.9	42.5°	839.2	901.7	988.4	1043.9	1082.0	1151.4	1245.0	1258.9
704.0	45°	721.3	759.5	849.6	915.5	953.7	998.8	1099.3	1113.2
606.9	47.5°	627.7	665.8	721.3	815.0	849.6	891.3	971.0	995.3
537.5	50°	551.4	589.6	638.1	721.3	773.4	808.0	873.9	908.6
468.2	52.5°	489.0	527.1	579.1	645.0	704.0	735.2	797.6	842.7
381.5	55°	409.2	475.1	513.3	572.2	652.0	679.7	728.3	787.2
332.9	57.5°	357.2	412.7	468.2	516.7	596.5	631.2	679.7	735.2
263.6	60°	301.7	353.7	419.6	461.2	537.5	582.6	634.6	686.7
201.1	62.5°	239.3	308.6	353.7	412.7	485.5	544.5	586.1	638.1
156.1	65°	176.9	253.2	305.2	367.6	437.0	499.4	534.1	589.6
111.0	67.5°	128.3	197.7	260.1	319.1	384.9	447.4	482.0	530.6
69.4	70°	100.6	145.7	215.0	267.0	336.4	388.4	426.6	457.8
45.1	72.5°	59.0	111.0	173.4	232.4	294.8	329.5	357.2	384.9
20.8	75°	38.1	86.7	142.2	194.2	239.3	270.5	294.8	319.1
10.4	77.5°	24.3	62.4	114.4	163.0	183.8	221.9	242.8	256.6
6.9	80°	13.9	48.6	100.6	131.8	149.1	173.4	194.2	211.5
6.9	82.5°	10.4	41.6	83.2	111.0	111.0	138.7	149.1	149.1
3.5	85°	6.9	34.7	65.9	104.0	83.2	104.0	97.1	97.1
3.5	87.5°	6.9	24.3	31.2	45.1	38.1	45.1	45.1	52.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
316280.6
306157.7
291959.9
268041.4
238713.0
206613.6
175873.7
146087.5
120476.6
97969.6
79201.1
49612.5
31936.4
21508.2
14437.1
9509.1
6218.0
4265.6
3100.3
2392.9
1928.2
1623.0
1408.0
1248.5
1109.7
998.8
912.1
842.7
790.7
738.7
700.5
662.4
600.0
534.1
468.2
391.9
319.1
249.7
190.7
138.7
93.6
52.0
0.0

(END OF REPORT)