

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: P637021

Luminaire Tested: **IFLD-L-SA7D-722-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637021
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7D-722-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (112) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35732.4 lumens
Efficiency: N/A
Efficacy: 84.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

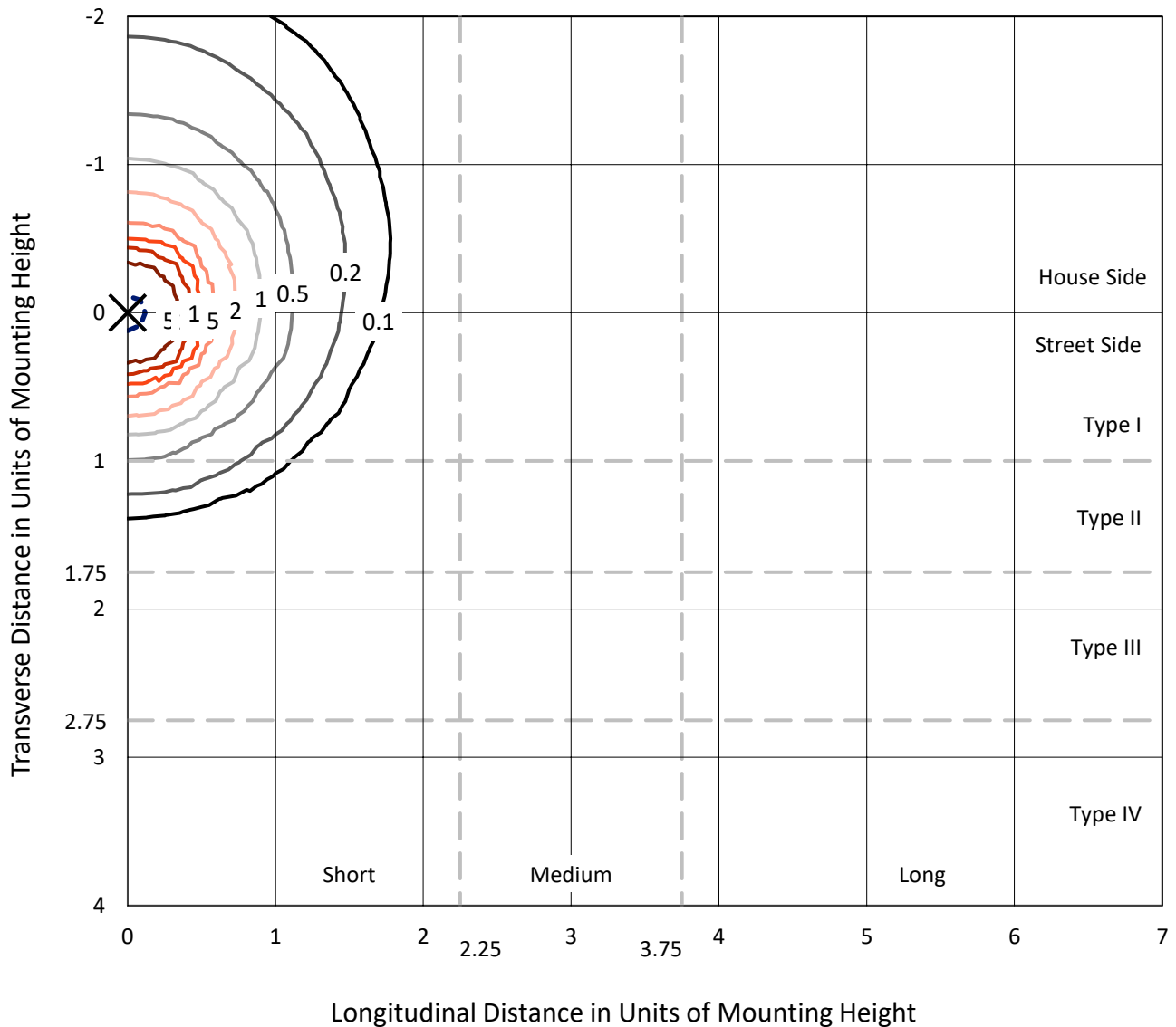
Input Watts (W): 422.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P637021
 CATALOG NUMBER: IFLD-L-SA7D-722-U-33-VI

Iso-Footcandle Lines of Horizontal Illumination

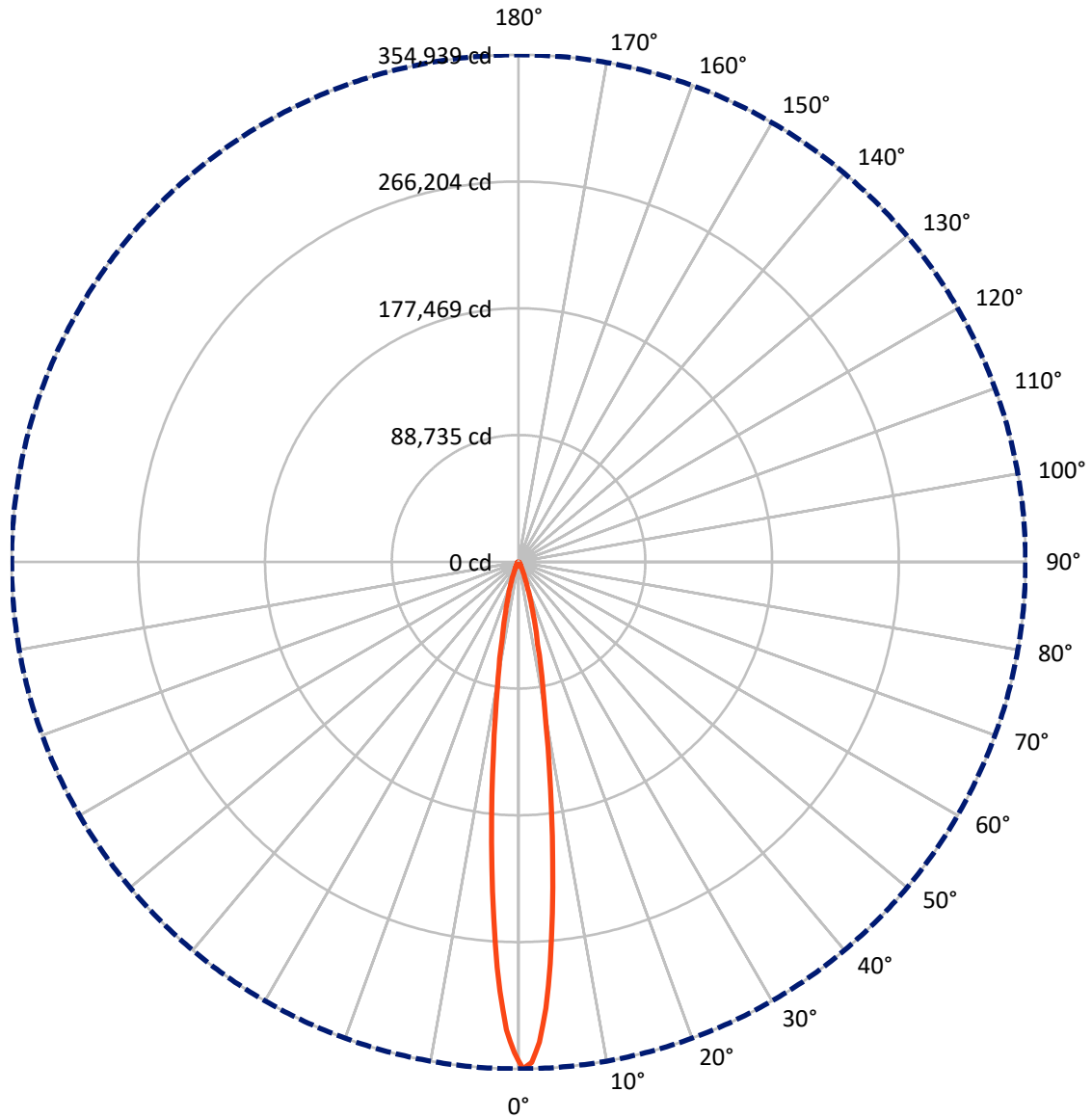
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 887.3 fc
 Type V - Short - N/A

REPORT NUMBER: P637021
CATALOG NUMBER: IFLD-L-SA7D-722-U-33-VI

Luminous Intensity Polar Plot



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

REPORT NUMBER: P637021
 CATALOG NUMBER: IFLD-L-SA7D-722-U-33-VI

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18301.5	0.0	18301.5
	% Fixture	51.2	0.0	51.2
Street Side	Lumens	17430.9	0.0	17430.9
	% Fixture	48.8	0.0	48.8
Total	Lumens	35732.4	0.0	35732.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18038.8	50.5
10°-20°	11548.4	32.3
20°-30°	3471.2	9.7
30°-40°	1130.2	3.2
40°-50°	657.6	1.8
50°-60°	436.8	1.2
60°-70°	262.9	0.7
70°-80°	135.2	0.4
80°-90°	51.3	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°	35732.4	100.0
0°-180°	35732.4	100.0

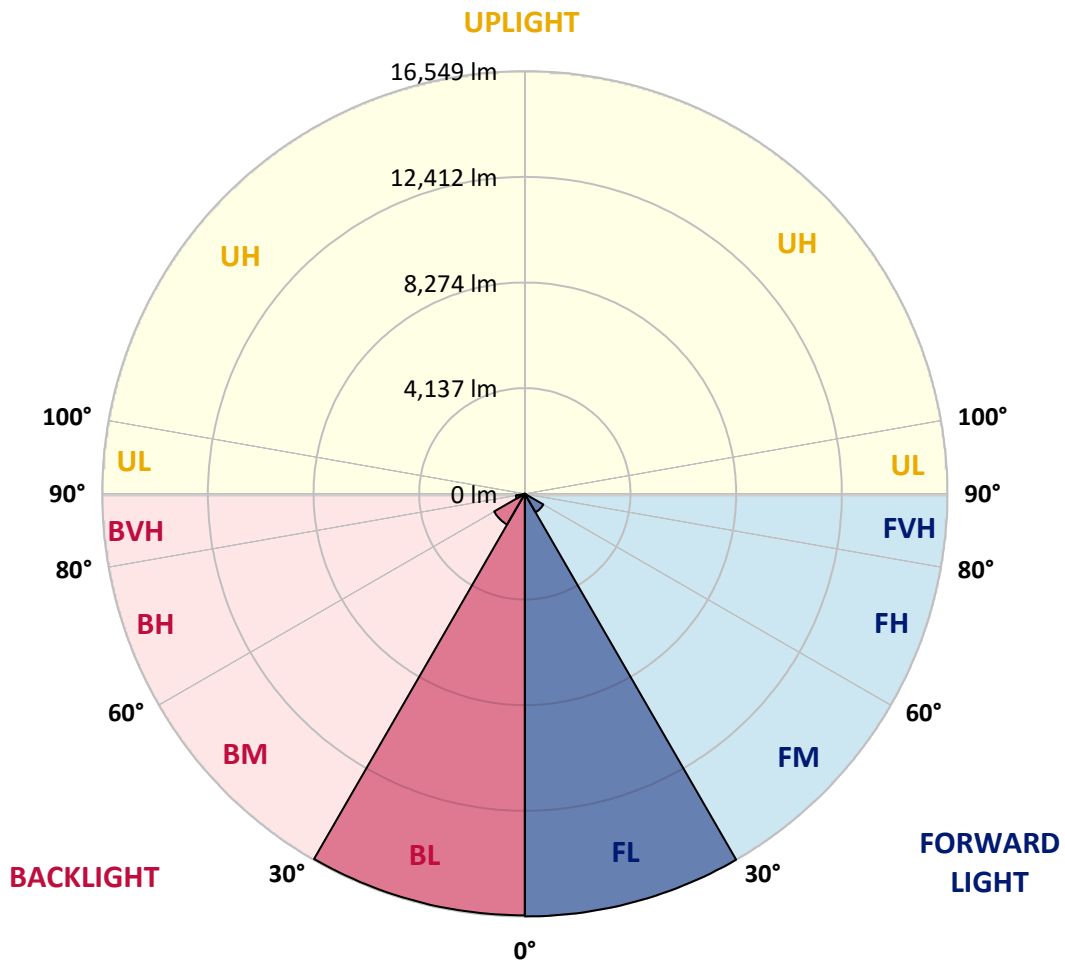


REPORT NUMBER: P637021
 CATALOG NUMBER: IFLD-L-SA7D-722-U-33-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	16548.8	46.3			
FM (30°-60°)	835.1	2.3			
FH (60°-80°)	39.3	0.1			G0/660
FVH (80°-90°)	7.8	0.0			G0/10
BL (0°-30°)	16509.6	46.2	B5		
BM (30°-60°)	1389.6	3.9	B2/2500		
BH (60°-80°)	358.8	1.0	B1/500		G0/660
BVH (80°-90°)	43.6	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: P637021
 CATALOG NUMBER: IFLD-L-SA7D-722-U-33-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	354938.5	354938.5	354938.5	354938.5	354938.5	354938.5	354938.5	354938.5	354938.5	354938.5
1°	350688.6	349618.4	346855.2	348820.5	350548.5	350046.5	350011.4	349824.6	349563.9	351611.0
2°	336670.2	335977.5	331891.1	333576.2	336032.0	334241.7	335362.6	334378.0	334397.4	336841.5
3°	313039.1	313416.6	306897.8	309960.6	313373.8	309034.4	310381.0	312910.6	310260.3	309462.5
4°	282324.8	279047.9	275486.8	278600.3	279483.7	276958.0	279440.9	282538.8	278857.2	279020.6
5°	247259.4	244838.7	240623.9	242546.4	240355.3	241153.1	244873.7	246150.3	243581.6	240347.5
6°	211205.5	209485.4	204215.8	206986.8	206208.4	205757.0	210454.4	206562.6	207963.6	206006.1
7°	175680.9	172466.3	169878.2	172532.5	172703.7	171345.5	177443.9	176735.6	174186.5	173594.9
8°	145554.3	142347.5	140156.4	142133.4	143425.5	141292.8	144161.0	146044.7	144052.1	144231.1
9°	117397.0	116832.6	113785.3	116369.5	117774.5	115490.0	118665.7	119346.8	117482.6	118389.4
10°	96392.8	95735.0	93302.7	94349.6	96676.9	93952.6	96999.9	97221.7	95735.0	96159.3
12.5°	59568.3	59303.7	59237.5	59389.3	59358.1	59840.7	60619.1	59731.8	59615.0	58147.8
15°	38501.8	38894.9	38490.2	39268.5	39381.4	39836.7	39361.9	38645.8	37279.8	36602.6
17.5°	24028.1	24530.2	25222.9	26363.2	27503.5	27635.9	27005.4	26164.8	25503.1	24779.3
20°	13823.8	14069.0	13963.9	15329.9	18279.9	19081.6	18268.2	17384.8	16587.0	15855.3
22.5°	8589.3	8499.7	8663.2	9122.4	10083.7	12562.8	11897.3	11013.9	10434.0	9830.8
25°	5265.6	5362.9	5300.7	5553.6	5985.6	7036.4	7188.2	6806.8	6511.0	6199.7
27.5°	3389.8	3389.8	3417.0	3557.1	3852.9	3817.9	4627.4	4331.6	4172.0	4020.3
30°	2354.6	2362.3	2362.3	2444.1	2510.2	2393.5	2603.6	2985.0	2911.1	2794.3
32.5°	1747.4	1770.8	1790.2	1833.1	1778.6	1654.0	1704.6	2148.3	2105.5	2062.7
35°	1331.0	1350.5	1397.2	1420.5	1342.7	1264.8	1218.1	1580.1	1599.5	1587.9
37.5°	969.1	980.7	1066.4	1155.9	1066.4	996.3	969.1	1214.2	1307.7	1296.0
40°	743.3	747.2	762.8	864.0	864.0	809.5	817.3	906.8	1070.3	1070.3
42.5°	638.3	638.3	653.8	638.3	642.2	700.5	720.0	731.7	906.8	906.8
45°	552.6	552.6	560.4	521.5	482.6	603.2	618.8	622.7	762.8	782.3
47.5°	463.1	463.1	478.7	428.1	408.6	478.7	521.5	533.2	657.7	673.3
50°	342.5	346.4	393.1	350.3	361.9	369.7	451.5	459.2	556.5	591.6
52.5°	229.6	229.6	237.4	272.4	315.2	303.6	365.8	393.1	443.7	490.4
55°	186.8	186.8	182.9	175.1	233.5	253.0	268.5	326.9	361.9	420.3
57.5°	128.4	136.2	124.5	144.0	151.8	190.7	202.4	256.9	276.3	354.2
60°	15.6	19.5	27.2	105.1	101.2	128.4	151.8	202.4	225.7	272.4
62.5°	3.9	3.9	7.8	19.5	70.1	85.6	120.6	140.1	163.5	210.2
65°	0.0	0.0	3.9	7.8	15.6	46.7	62.3	81.7	116.8	147.9
67.5°	0.0	0.0	3.9	7.8	7.8	19.5	31.1	50.6	62.3	109.0
70°	0.0	0.0	3.9	7.8	7.8	15.6	19.5	23.4	42.8	58.4
72.5°	0.0	0.0	3.9	7.8	11.7	15.6	19.5	19.5	19.5	38.9
75°	0.0	0.0	3.9	7.8	11.7	15.6	19.5	19.5	15.6	15.6
77.5°	0.0	0.0	3.9	7.8	15.6	19.5	23.4	19.5	11.7	11.7
80°	0.0	0.0	3.9	11.7	19.5	27.2	31.1	23.4	11.7	7.8
82.5°	0.0	0.0	7.8	15.6	23.4	31.1	42.8	35.0	15.6	7.8
85°	0.0	0.0	3.9	11.7	23.4	31.1	62.3	42.8	19.5	3.9
87.5°	0.0	0.0	0.0	3.9	3.9	7.8	23.4	15.6	7.8	3.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P637021

CATALOG NUMBER: IFLD-L-SA7D-722-U-33-VI

CANDELA DISTRIBUTION (continued):

90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
354938.5	0°	354938.5	354938.5	354938.5	354938.5	354938.5	354938.5	354938.5	354938.5
349248.6	1°	351688.8	351934.0	351132.3	352373.8	351937.9	349384.8	348540.3	347540.1
335405.4	2°	334378.0	335627.2	335689.5	337067.2	337047.8	334070.5	333148.1	334848.9
311081.5	3°	310139.7	311595.2	310283.7	312731.6	311996.1	308384.5	307446.5	309376.9
280312.7	4°	279476.0	279199.6	278748.2	277354.9	279071.2	276607.7	274751.3	277370.5
244636.3	5°	244146.0	243531.1	242651.5	242239.0	243515.5	241939.3	238121.4	241947.1
209547.6	6°	209804.5	207158.0	207029.6	206800.0	206928.4	202515.1	202779.7	205628.6
171559.5	7°	173373.1	173859.6	172867.2	174458.9	173244.7	170255.7	169103.8	172104.4
145017.2	8°	144005.4	143390.5	142631.6	145009.5	142904.0	140942.5	139599.8	141969.9
118537.3	9°	118315.4	117253.0	116482.4	116361.7	116688.6	113007.0	113754.2	115548.3
96392.8	10°	96427.8	94684.3	95108.5	95221.3	94863.3	92450.3	92473.7	93092.5
59120.7	12.5°	58910.6	58054.4	58268.4	58385.2	59113.0	58264.5	57065.9	56201.9
37275.9	15°	37026.8	36411.9	37669.0	38513.5	38342.3	37587.3	37022.9	36240.7
24779.3	17.5°	24549.6	25355.3	25359.1	26129.7	26207.6	25452.5	25016.7	24312.2
16116.1	20°	16057.7	16392.4	17089.0	17633.9	17949.1	17373.1	16851.6	16369.0
10048.7	22.5°	10048.7	10632.5	11068.4	11776.7	12064.7	11644.3	11274.6	10881.5
6273.6	25°	6168.5	6585.0	6946.9	7561.8	7954.9	7752.5	7413.9	7137.6
4051.4	27.5°	4113.7	4288.8	4467.8	4892.0	5300.7	5187.8	5051.6	4884.2
2856.6	30°	2899.4	2915.0	3105.7	3343.1	3615.5	3685.6	3623.3	3537.7
2097.7	32.5°	2136.6	2198.9	2288.4	2436.3	2619.2	2786.5	2755.4	2716.5
1603.4	35°	1650.1	1743.5	1817.5	1930.3	2027.6	2187.2	2214.4	2202.8
1319.3	37.5°	1346.6	1428.3	1502.2	1568.4	1650.1	1759.1	1844.7	1848.6
1089.7	40°	1117.0	1190.9	1288.2	1338.8	1397.2	1478.9	1584.0	1591.8
922.4	42.5°	941.8	1011.9	1109.2	1171.4	1214.2	1292.1	1397.2	1412.7
790.0	45°	809.5	852.3	953.5	1027.4	1070.3	1120.8	1233.7	1249.3
681.1	47.5°	704.4	747.2	809.5	914.6	953.5	1000.2	1089.7	1117.0
603.2	50°	618.8	661.6	716.1	809.5	867.9	906.8	980.7	1019.7
525.4	52.5°	548.7	591.6	649.9	723.9	790.0	825.1	895.1	945.7
428.1	55°	459.2	533.2	576.0	642.2	731.7	762.8	817.3	883.4
373.6	57.5°	400.9	463.1	525.4	579.9	669.4	708.3	762.8	825.1
295.8	60°	338.6	397.0	470.9	517.6	603.2	653.8	712.2	770.6
225.7	62.5°	268.5	346.4	397.0	463.1	544.9	611.0	657.7	716.1
175.1	65°	198.5	284.1	342.5	412.5	490.4	560.4	599.3	661.6
124.5	67.5°	144.0	221.8	291.9	358.0	432.0	502.0	541.0	595.4
77.8	70°	112.9	163.5	241.3	299.7	377.5	435.9	478.7	513.7
50.6	72.5°	66.2	124.5	194.6	260.8	330.8	369.7	400.9	432.0
23.4	75°	42.8	97.3	159.6	217.9	268.5	303.6	330.8	358.0
11.7	77.5°	27.2	70.1	128.4	182.9	206.3	249.1	272.4	288.0
7.8	80°	15.6	54.5	112.9	147.9	167.3	194.6	217.9	237.4
7.8	82.5°	11.7	46.7	93.4	124.5	124.5	155.7	167.3	167.3
3.9	85°	7.8	38.9	73.9	116.8	93.4	116.8	109.0	109.0
3.9	87.5°	7.8	27.2	35.0	50.6	42.8	50.6	50.6	58.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
354938.5
343578.2
327645.1
300803.2
267890.0
231867.2
197370.1
163943.2
135202.1
109944.1
88881.5
55676.5
35839.8
24137.1
16201.7
10671.4
6978.0
4786.9
3479.3
2685.4
2163.9
1821.4
1580.1
1401.1
1245.4
1120.8
1023.6
945.7
887.3
829.0
786.1
743.3
673.3
599.3
525.4
439.8
358.0
280.2
214.1
155.7
105.1
58.4
0.0

(END OF REPORT)