

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: P637063

Luminaire Tested: **IFLD-S-SA3C-730-U-33-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P637063  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3C-730-U-33-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor  
Light Source: (48) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19181.9 lumens  
Efficiency: N/A  
Efficacy: 119.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

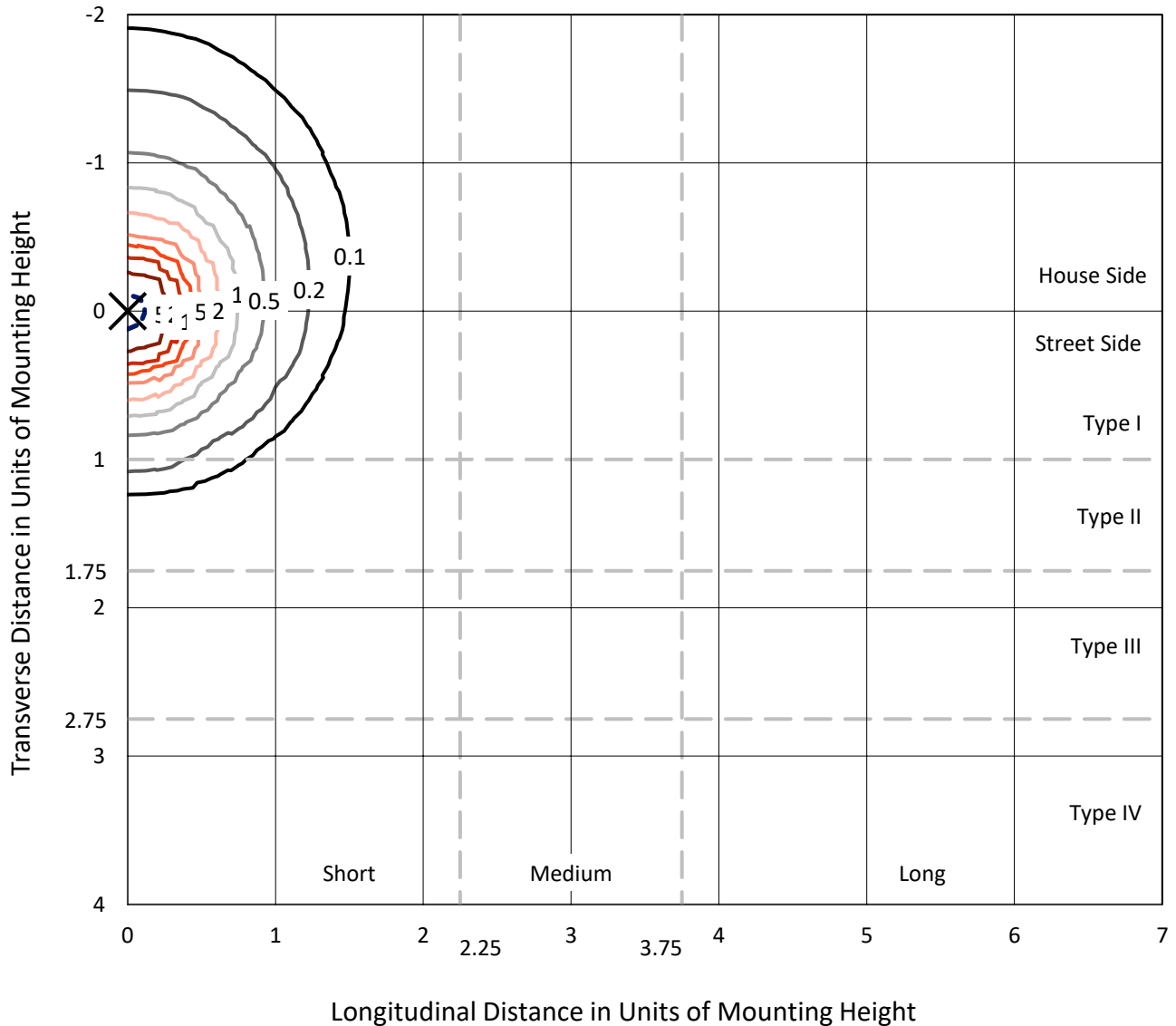
Input Watts (W): 160.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



REPORT NUMBER: P637063  
 CATALOG NUMBER: IFLD-S-SA3C-730-U-33-VI

### Iso-Footcandle Lines of Horizontal Illumination

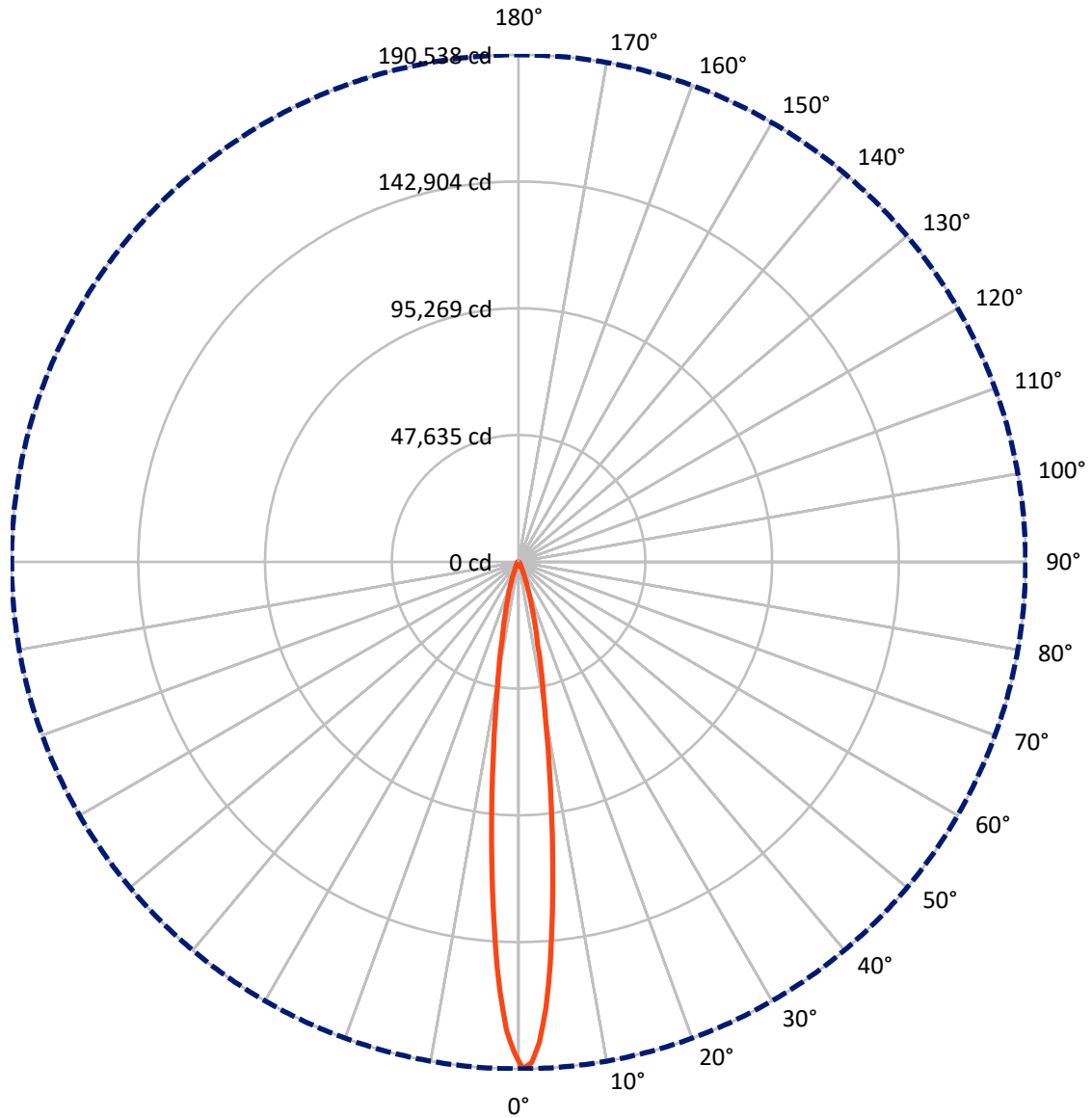
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 476.3 fc  
 Type V - Short - N/A

REPORT NUMBER: P637063  
CATALOG NUMBER: IFLD-S-SA3C-730-U-33-VI

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P637063  
 CATALOG NUMBER: IFLD-S-SA3C-730-U-33-VI

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9824.6	0.0	9824.6
	% Fixture	51.2	0.0	51.2
<b>Street Side</b>	Lumens	9357.3	0.0	9357.3
	% Fixture	48.8	0.0	48.8
<b>Total</b>	Lumens	19181.9	0.0	19181.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9683.6	50.5
10°-20°	6199.4	32.3
20°-30°	1863.4	9.7
30°-40°	606.7	3.2
40°-50°	353.0	1.8
50°-60°	234.5	1.2
60°-70°	141.1	0.7
70°-80°	72.6	0.4
80°-90°	27.6	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°	19181.9	100.0
0°-180°	19181.9	100.0

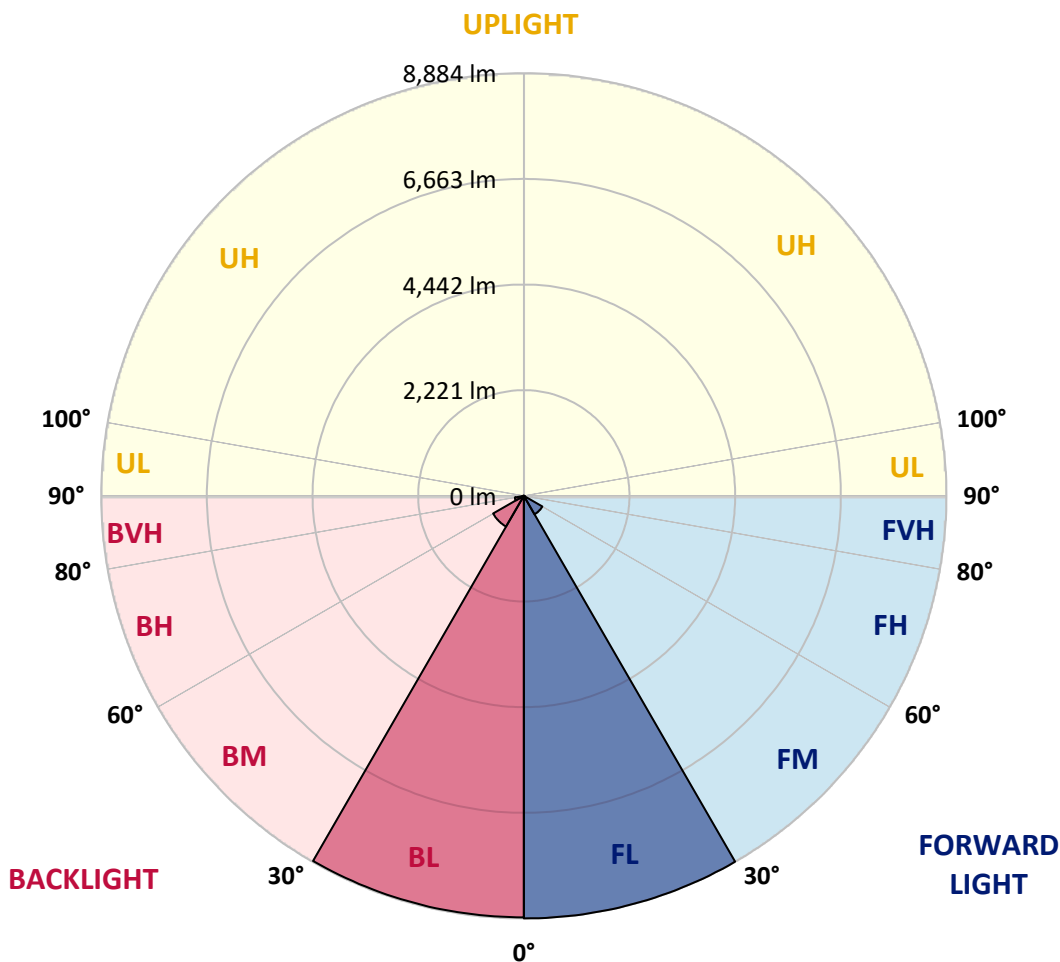


REPORT NUMBER: P637063  
 CATALOG NUMBER: IFLD-S-SA3C-730-U-33-VI

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8883.7	46.3			
FM (30°-60°)	448.3	2.3			
FH (60°-80°)	21.1	0.1			G0/660
FVH (80°-90°)	4.2	0.0			G0/10
BL (0°-30°)	8862.7	46.2	B5		
BM (30°-60°)	745.9	3.9	B1/1000		
BH (60°-80°)	192.6	1.0	B1/500		G0/660
BVH (80°-90°)	23.4	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: P637063  
 CATALOG NUMBER: IFLD-S-SA3C-730-U-33-VI

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	190538.2	190538.2	190538.2	190538.2	190538.2	190538.2	190538.2	190538.2	190538.2	190538.2
1°	188256.8	187682.2	186198.9	187253.9	188181.6	187912.0	187893.2	187793.0	187653.0	188751.9
2°	180731.4	180359.5	178165.9	179070.5	180388.8	179427.8	180029.5	179500.9	179511.3	180823.4
3°	168045.7	168248.4	164749.0	166393.2	168225.4	165895.9	166618.8	167976.8	166554.0	166125.7
4°	151557.7	149798.6	147886.9	149558.3	150032.6	148676.7	150009.6	151672.6	149696.2	149783.9
5°	132733.9	131434.4	129171.8	130203.8	129027.6	129455.9	131453.2	132138.5	130759.6	129023.4
6°	113379.4	112456.0	109627.2	111114.7	110696.9	110454.5	112976.2	110887.0	111639.1	110588.2
7°	94309.1	92583.4	91194.1	92618.9	92710.9	91981.7	95255.5	94875.3	93506.8	93189.3
8°	78136.5	76415.0	75238.8	76300.1	76993.7	75848.8	77388.6	78399.8	77330.1	77426.2
9°	63021.1	62718.1	61082.3	62469.5	63223.7	61997.4	63702.1	64067.8	63067.0	63553.8
10°	51745.6	51392.5	50086.8	50648.8	51898.1	50435.7	52071.5	52190.6	51392.5	51620.2
12.5°	31977.5	31835.4	31799.9	31881.4	31864.7	32123.7	32541.6	32065.2	32002.5	31214.9
15°	20668.6	20879.6	20662.3	21080.1	21140.7	21385.2	21130.3	20745.9	20012.6	19649.0
17.5°	12898.8	13168.3	13540.2	14152.3	14764.5	14835.5	14497.0	14045.8	13690.6	13302.0
20°	7420.9	7552.5	7496.1	8229.4	9813.0	10243.4	9806.8	9332.5	8904.2	8511.4
22.5°	4610.9	4562.8	4650.6	4897.1	5413.1	6744.0	6386.7	5912.5	5601.2	5277.3
25°	2826.7	2878.9	2845.5	2981.3	3213.2	3777.3	3858.8	3654.0	3495.3	3328.1
27.5°	1819.7	1819.7	1834.3	1909.5	2068.3	2049.5	2484.1	2325.3	2239.6	2158.2
30°	1264.0	1268.2	1268.2	1312.0	1347.5	1284.9	1397.7	1602.4	1562.7	1500.1
32.5°	938.1	950.6	961.0	984.0	954.8	887.9	915.1	1153.2	1130.3	1107.3
35°	714.5	725.0	750.0	762.6	720.8	679.0	653.9	848.2	858.7	852.4
37.5°	520.2	526.5	572.4	620.5	572.4	534.8	520.2	651.8	702.0	695.7
40°	399.0	401.1	409.5	463.8	463.8	434.6	438.7	486.8	574.5	574.5
42.5°	342.6	342.6	351.0	342.6	344.7	376.1	386.5	392.8	486.8	486.8
45°	296.7	296.7	300.8	280.0	259.1	323.8	332.2	334.3	409.5	419.9
47.5°	248.6	248.6	257.0	229.8	219.4	257.0	280.0	286.2	353.1	361.4
50°	183.9	185.9	211.0	188.0	194.3	198.5	242.3	246.5	298.8	317.6
52.5°	123.3	123.3	127.4	146.2	169.2	163.0	196.4	211.0	238.2	263.2
55°	100.3	100.3	98.2	94.0	125.4	135.8	144.2	175.5	194.3	225.6
57.5°	68.9	73.1	66.9	77.3	81.5	102.4	108.6	137.9	148.3	190.1
60°	8.4	10.4	14.6	56.4	54.3	68.9	81.5	108.6	121.2	146.2
62.5°	2.1	2.1	4.2	10.4	37.6	46.0	64.8	75.2	87.7	112.8
65°	0.0	0.0	2.1	4.2	8.4	25.1	33.4	43.9	62.7	79.4
67.5°	0.0	0.0	2.1	4.2	4.2	10.4	16.7	27.2	33.4	58.5
70°	0.0	0.0	2.1	4.2	4.2	8.4	10.4	12.5	23.0	31.3
72.5°	0.0	0.0	2.1	4.2	6.3	8.4	10.4	10.4	10.4	20.9
75°	0.0	0.0	2.1	4.2	6.3	8.4	10.4	10.4	8.4	8.4
77.5°	0.0	0.0	2.1	4.2	8.4	10.4	12.5	10.4	6.3	6.3
80°	0.0	0.0	2.1	6.3	10.4	14.6	16.7	12.5	6.3	4.2
82.5°	0.0	0.0	4.2	8.4	12.5	16.7	23.0	18.8	8.4	4.2
85°	0.0	0.0	2.1	6.3	12.5	16.7	33.4	23.0	10.4	2.1
87.5°	0.0	0.0	0.0	2.1	2.1	4.2	12.5	8.4	4.2	2.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P637063  
 CATALOG NUMBER: IFLD-S-SA3C-730-U-33-VI

**CANDELA DISTRIBUTION (continued):**

90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
190538.2	0°	190538.2	190538.2	190538.2	190538.2	190538.2	190538.2	190538.2	190538.2
187483.8	1°	188793.7	188925.3	188494.9	189161.4	188927.4	187556.9	187103.5	186566.6
180052.4	2°	179500.9	180171.5	180204.9	180944.5	180934.1	179335.8	178840.7	179753.7
166994.9	3°	166489.3	167270.6	166566.6	167880.7	167485.8	165547.0	165043.5	166079.8
150477.6	4°	150028.4	149880.0	149637.7	148889.8	149811.1	148488.6	147492.1	148898.1
131325.8	5°	131062.5	130732.4	130260.3	130038.8	130724.1	129877.9	127828.4	129882.1
112489.4	6°	112627.3	111206.6	111137.7	111014.4	111083.4	108714.2	108856.3	110385.6
92096.6	7°	93070.2	93331.3	92798.6	93653.1	93001.3	91396.7	90778.3	92389.1
77848.2	8°	77305.0	76974.9	76567.5	77844.0	76713.8	75660.8	74940.0	76212.3
63633.2	9°	63514.1	62943.8	62530.1	62465.3	62640.8	60664.4	61065.6	62028.7
51745.6	10°	51764.4	50828.4	51056.2	51116.7	50924.5	49629.2	49641.8	49973.9
31737.2	12.5°	31624.4	31164.8	31279.7	31342.4	31733.0	31277.6	30634.1	30170.3
20010.5	15°	19876.8	19546.7	20221.5	20674.8	20582.9	20177.6	19874.7	19454.7
13302.0	17.5°	13178.7	13611.2	13613.3	14027.0	14068.8	13663.4	13429.5	13051.3
8651.4	20°	8620.1	8799.8	9173.7	9466.2	9635.4	9326.2	9046.3	8787.2
5394.3	22.5°	5394.3	5707.7	5941.7	6322.0	6476.6	6250.9	6052.4	5841.4
3367.8	25°	3311.4	3534.9	3729.2	4059.3	4270.3	4161.7	3979.9	3831.6
2174.9	27.5°	2208.3	2302.3	2398.4	2626.1	2845.5	2784.9	2711.8	2622.0
1533.5	30°	1556.5	1564.8	1667.2	1794.6	1940.9	1978.5	1945.1	1899.1
1126.1	32.5°	1147.0	1180.4	1228.5	1307.8	1406.0	1495.9	1479.2	1458.3
860.8	35°	885.8	936.0	975.7	1036.2	1088.5	1174.1	1188.8	1182.5
708.2	37.5°	722.9	766.7	806.4	842.0	885.8	944.3	990.3	992.4
585.0	40°	599.6	639.3	691.5	718.7	750.0	793.9	850.3	854.5
495.1	42.5°	505.6	543.2	595.4	628.9	651.8	693.6	750.0	758.4
424.1	45°	434.6	457.5	511.9	551.6	574.5	601.7	662.3	670.6
365.6	47.5°	378.1	401.1	434.6	491.0	511.9	536.9	585.0	599.6
323.8	50°	332.2	355.2	384.4	434.6	465.9	486.8	526.5	547.4
282.0	52.5°	294.6	317.6	348.9	388.6	424.1	442.9	480.5	507.7
229.8	55°	246.5	286.2	309.2	344.7	392.8	409.5	438.7	474.3
200.6	57.5°	215.2	248.6	282.0	311.3	359.3	380.2	409.5	442.9
158.8	60°	181.8	213.1	252.8	277.9	323.8	351.0	382.3	413.7
121.2	62.5°	144.2	185.9	213.1	248.6	292.5	328.0	353.1	384.4
94.0	65°	106.5	152.5	183.9	221.5	263.2	300.8	321.7	355.2
66.9	67.5°	77.3	119.1	156.7	192.2	231.9	269.5	290.4	319.6
41.8	70°	60.6	87.7	129.5	160.9	202.7	234.0	257.0	275.8
27.2	72.5°	35.5	66.9	104.5	140.0	177.6	198.5	215.2	231.9
12.5	75°	23.0	52.2	85.7	117.0	144.2	163.0	177.6	192.2
6.3	77.5°	14.6	37.6	68.9	98.2	110.7	133.7	146.2	154.6
4.2	80°	8.4	29.2	60.6	79.4	89.8	104.5	117.0	127.4
4.2	82.5°	6.3	25.1	50.1	66.9	66.9	83.6	89.8	89.8
2.1	85°	4.2	20.9	39.7	62.7	50.1	62.7	58.5	58.5
2.1	87.5°	4.2	14.6	18.8	27.2	23.0	27.2	27.2	31.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°  
190538.2  
184439.8  
175886.5  
161477.3  
143808.8  
124471.0  
105952.3  
88008.0  
72579.2  
59020.2  
47713.4  
29888.3  
19239.5  
12957.3  
8697.4  
5728.6  
3746.0  
2569.7  
1867.8  
1441.6  
1161.6  
977.8  
848.2  
752.1  
668.5  
601.7  
549.5  
507.7  
476.3  
445.0  
422.0  
399.0  
361.4  
321.7  
282.0  
236.1  
192.2  
150.4  
114.9  
83.6  
56.4  
31.3  
0.0

(END OF REPORT)