

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: P637083

Luminaire Tested: **IFLD-L-SA8C-730-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637083
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8C-730-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (128) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 45880 lumens
Efficiency: N/A
Efficacy: 109.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

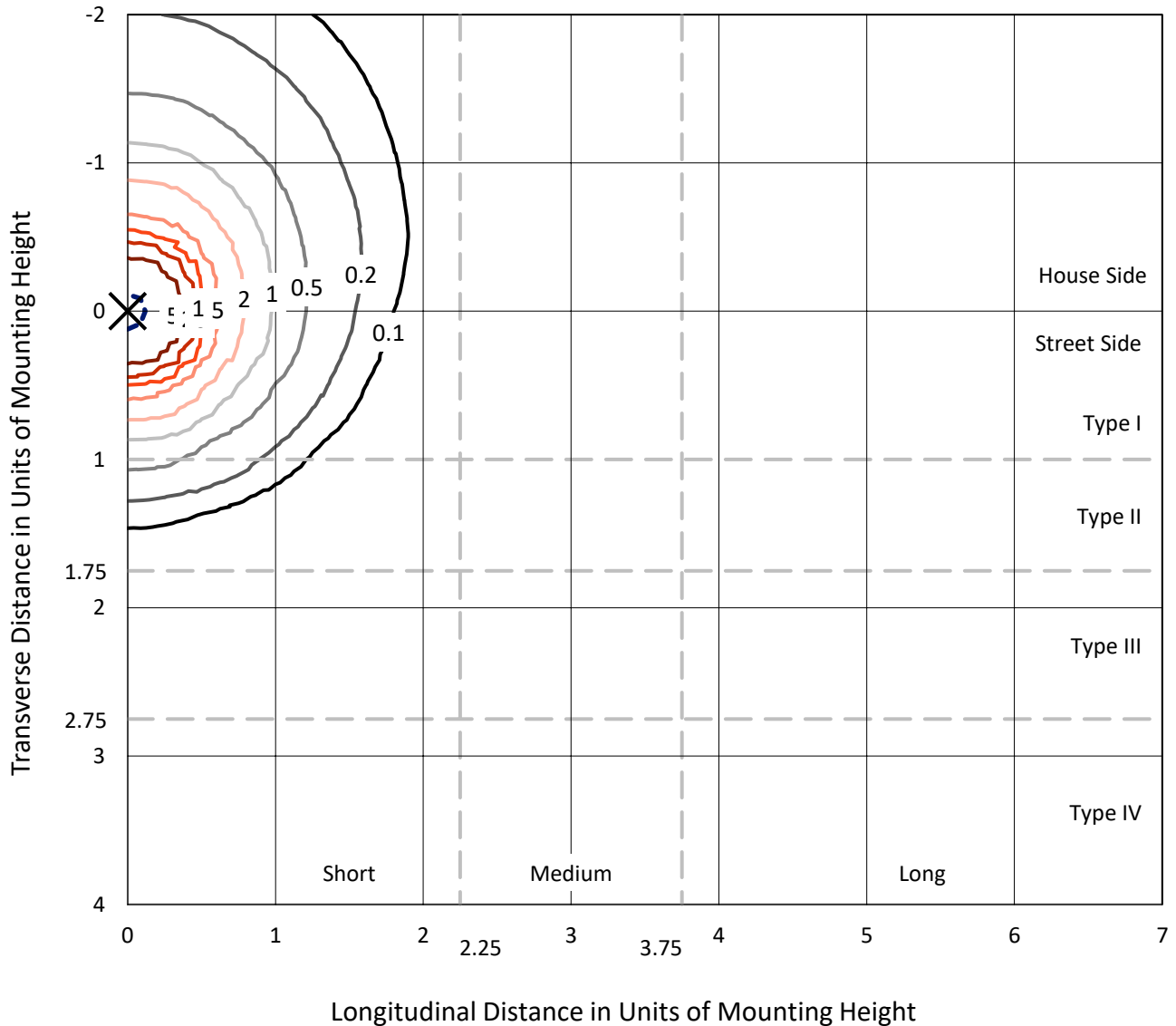
Input Watts (W): 420.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P637083
 CATALOG NUMBER: IFLD-L-SA8C-730-U-33-VI

Iso-Footcandle Lines of Horizontal Illumination

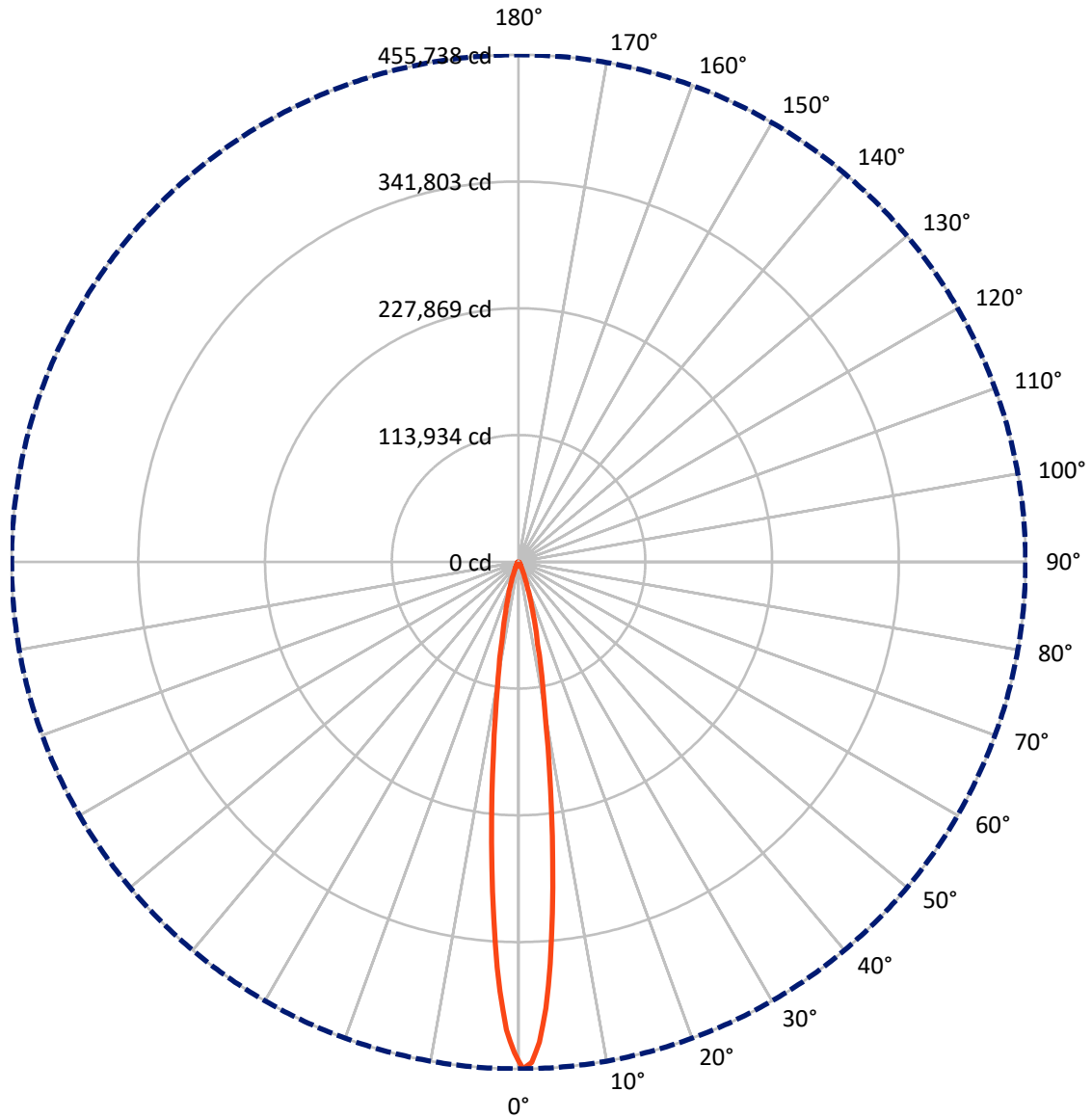
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1139.3 fc
 Type V - Short - N/A

REPORT NUMBER: P637083
CATALOG NUMBER: IFLD-L-SA8C-730-U-33-VI

Luminous Intensity Polar Plot



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

REPORT NUMBER: P637083
 CATALOG NUMBER: IFLD-L-SA8C-730-U-33-VI

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23498.9	0.0	23498.9
	% Fixture	51.2	0.0	51.2
Street Side	Lumens	22381.1	0.0	22381.1
	% Fixture	48.8	0.0	48.8
Total	Lumens	45880.0	0.0	45880.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23161.6	50.5
10°-20°	14828.0	32.3
20°-30°	4457.0	9.7
30°-40°	1451.2	3.2
40°-50°	844.4	1.8
50°-60°	560.8	1.2
60°-70°	337.6	0.7
70°-80°	173.5	0.4
80°-90°	65.9	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°	45880.0	100.0
0°-180°	45880.0	100.0

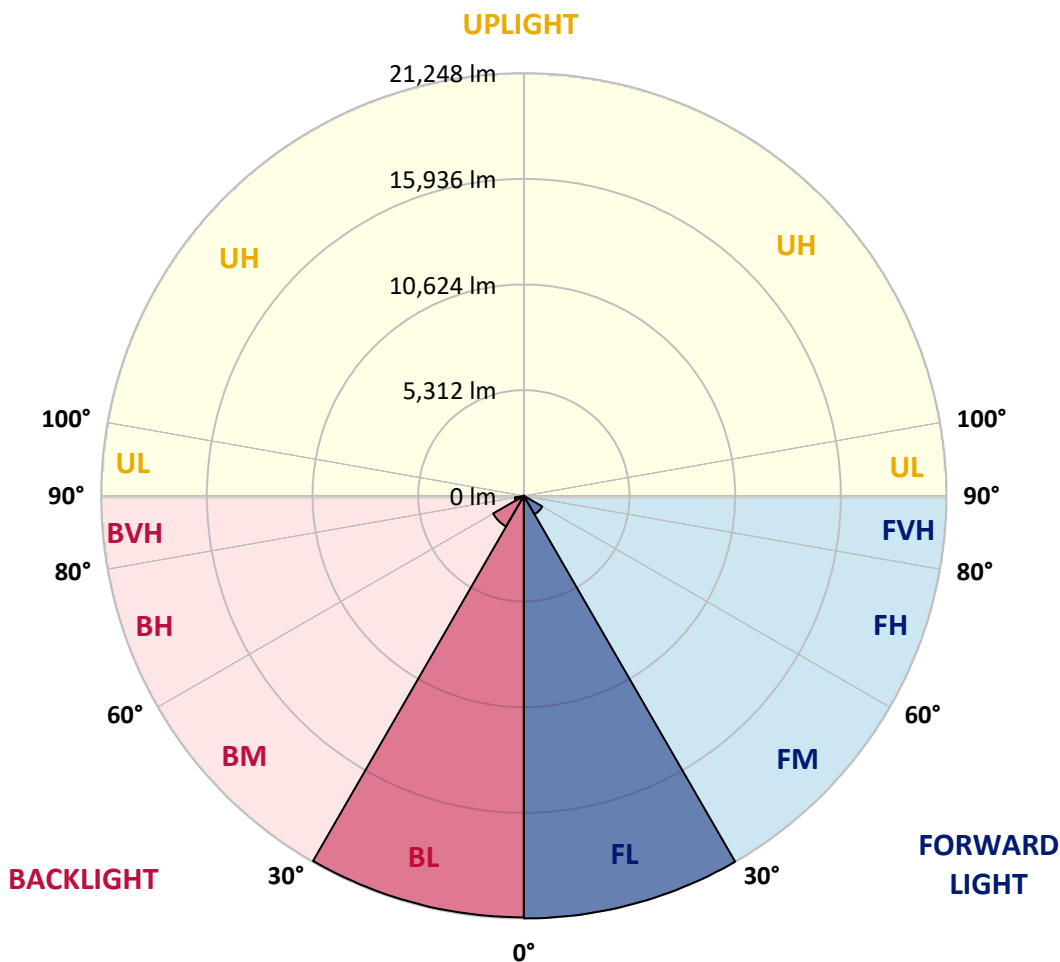


REPORT NUMBER: P637083
 CATALOG NUMBER: IFLD-L-SA8C-730-U-33-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	21248.5	46.3			
FM (30°-60°)	1072.2	2.3			
FH (60°-80°)	50.5	0.1			G0/660
FVH (80°-90°)	9.9	0.0			G0/10
BL (0°-30°)	21198.1	46.2	B5		
BM (30°-60°)	1784.2	3.9	B2/2500		
BH (60°-80°)	460.7	1.0	B1/500		G0/660
BVH (80°-90°)	56.0	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: P637083
 CATALOG NUMBER: IFLD-L-SA8C-730-U-33-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	455737.5	455737.5	455737.5	455737.5	455737.5	455737.5	455737.5	455737.5	455737.5	455737.5
1°	450280.7	448906.5	445358.6	447882.1	450100.8	449456.2	449411.2	449171.3	448836.5	451465.0
2°	432281.3	431391.8	426144.9	428308.6	431461.7	429163.1	430602.2	429338.0	429363.0	432501.1
3°	401939.1	402423.8	394053.7	397986.4	402368.8	396797.1	398526.1	401774.2	398371.2	397346.8
4°	362502.2	358294.7	353722.4	357720.0	358854.4	355611.3	358799.4	362777.1	358049.8	358259.7
5°	317478.6	314370.5	308958.6	311427.2	308613.8	309638.2	314415.4	316054.5	312756.4	308603.9
6°	271185.8	268977.1	262211.1	265769.0	264769.6	264189.9	270221.4	265224.3	267023.3	264509.7
7°	225572.6	221445.0	218122.0	221530.0	221749.8	220005.9	227836.3	226926.8	223653.7	222894.2
8°	186890.3	182772.7	179959.4	182497.9	184156.9	181418.5	185101.3	187519.9	184961.4	185191.3
9°	150736.5	150011.9	146099.2	149417.3	151221.2	148288.0	152365.6	153240.0	150846.5	152010.8
10°	123767.3	122922.8	119799.7	121143.9	124132.1	120634.2	124546.9	124831.7	122922.8	123467.5
12.5°	76485.1	76145.3	76060.4	76255.2	76215.3	76834.9	77834.3	76695.0	76545.1	74661.2
15°	49436.0	49940.7	49421.0	50420.4	50565.3	51150.0	50540.3	49620.9	47866.9	46997.4
17.5°	30851.9	31496.5	32386.0	33850.1	35314.3	35484.2	34674.6	33595.3	32745.8	31816.3
20°	17749.6	18064.4	17929.5	19683.4	23471.2	24500.6	23456.2	22321.9	21297.5	20358.0
22.5°	11028.5	10913.6	11123.5	11713.1	12947.4	16130.5	15276.0	14141.7	13397.1	12622.6
25°	6761.0	6886.0	6806.0	7130.8	7685.5	9034.7	9229.6	8739.9	8360.1	7960.3
27.5°	4352.4	4352.4	4387.4	4567.3	4947.1	4902.1	5941.5	5561.7	5356.9	5162.0
30°	3023.2	3033.2	3033.2	3138.2	3223.1	3073.2	3343.0	3832.8	3737.8	3587.9
32.5°	2243.7	2273.7	2298.7	2353.6	2283.7	2123.8	2188.7	2758.4	2703.4	2648.4
35°	1709.0	1734.0	1793.9	1823.9	1724.0	1624.0	1564.1	2028.8	2053.8	2038.8
37.5°	1244.3	1259.3	1369.2	1484.1	1369.2	1279.2	1244.3	1559.1	1679.0	1664.0
40°	954.4	959.4	979.4	1109.3	1109.3	1039.4	1049.4	1164.3	1374.2	1374.2
42.5°	819.5	819.5	839.5	819.5	824.5	899.5	924.5	939.4	1164.3	1164.3
45°	709.6	709.6	719.6	669.6	619.6	774.5	794.5	799.5	979.4	1004.4
47.5°	594.7	594.7	614.6	549.7	524.7	614.6	669.6	684.6	844.5	864.5
50°	439.7	444.7	504.7	449.7	464.7	474.7	579.7	589.7	714.6	759.6
52.5°	294.8	294.8	304.8	349.8	404.8	389.8	469.7	504.7	569.7	629.6
55°	239.9	239.9	234.9	224.9	299.8	324.8	344.8	419.8	464.7	539.7
57.5°	164.9	174.9	159.9	184.9	194.9	244.9	259.8	329.8	354.8	454.7
60°	20.0	25.0	35.0	134.9	129.9	164.9	194.9	259.8	289.8	349.8
62.5°	5.0	5.0	10.0	25.0	89.9	109.9	154.9	179.9	209.9	269.8
65°	0.0	0.0	5.0	10.0	20.0	60.0	80.0	104.9	149.9	189.9
67.5°	0.0	0.0	5.0	10.0	10.0	25.0	40.0	65.0	80.0	139.9
70°	0.0	0.0	5.0	10.0	10.0	20.0	25.0	30.0	55.0	75.0
72.5°	0.0	0.0	5.0	10.0	15.0	20.0	25.0	25.0	25.0	50.0
75°	0.0	0.0	5.0	10.0	15.0	20.0	25.0	25.0	20.0	20.0
77.5°	0.0	0.0	5.0	10.0	20.0	25.0	30.0	25.0	15.0	15.0
80°	0.0	0.0	5.0	15.0	25.0	35.0	40.0	30.0	15.0	10.0
82.5°	0.0	0.0	10.0	20.0	30.0	40.0	55.0	45.0	20.0	10.0
85°	0.0	0.0	5.0	15.0	30.0	40.0	80.0	55.0	25.0	5.0
87.5°	0.0	0.0	0.0	5.0	5.0	10.0	30.0	20.0	10.0	5.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P637083
 CATALOG NUMBER: IFLD-L-SA8C-730-U-33-VI

CANDELA DISTRIBUTION (continued):

90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
455737.5	0°	455737.5	455737.5	455737.5	455737.5	455737.5	455737.5	455737.5	455737.5
448431.8	1°	451564.9	451879.7	450850.4	452444.4	451884.7	448606.7	447522.3	446238.1
430657.2	2°	429338.0	430942.0	431022.0	432791.0	432766.0	428943.2	427758.9	429942.6
399425.5	3°	398216.2	400085.2	398401.1	401544.3	400599.8	395962.6	394758.3	397236.8
359918.7	4°	358844.4	358489.6	357909.9	356121.0	358324.7	355161.5	352777.9	356140.9
314110.6	5°	313481.0	312691.5	311562.1	311032.4	312671.5	310647.7	305745.5	310657.6
269057.1	6°	269386.9	265988.9	265824.0	265529.1	265694.0	260027.4	260367.2	264025.0
220280.7	7°	222609.3	223234.0	221959.7	224003.5	222444.4	218606.7	217127.5	220980.3
186200.7	8°	184901.5	184111.9	183137.5	186190.7	183487.3	180968.8	179244.8	182288.0
152200.7	9°	151915.8	150551.6	149562.2	149407.3	149827.1	145099.8	146059.3	148362.9
123767.3	10°	123812.3	121573.6	122118.3	122263.2	121803.5	118705.3	118735.3	119529.8
75910.4	12.5°	75640.6	74541.2	74816.1	74966.0	75900.4	74811.1	73272.0	72162.6
47861.9	15°	47542.1	46752.6	48366.6	49451.0	49231.1	48261.7	47537.1	46532.7
31816.3	17.5°	31521.5	32555.9	32560.9	33550.3	33650.2	32680.8	32121.1	31216.7
20692.9	20°	20617.9	21047.6	21942.1	22641.7	23046.5	22306.9	21637.3	21017.7
12902.4	22.5°	12902.4	13652.0	14211.7	15121.1	15490.9	14951.2	14476.5	13971.8
8055.3	25°	7920.4	8455.0	8919.8	9709.3	10214.0	9954.2	9519.4	9164.6
5201.9	27.5°	5281.9	5506.8	5736.6	6281.3	6806.0	6661.1	6486.2	6271.3
3667.8	30°	3722.8	3742.8	3987.7	4292.5	4642.3	4732.2	4652.3	4542.3
2693.4	32.5°	2743.4	2823.3	2938.3	3128.2	3363.0	3577.9	3537.9	3488.0
2058.8	35°	2118.8	2238.7	2333.6	2478.5	2603.5	2808.4	2843.3	2828.3
1694.0	37.5°	1729.0	1833.9	1928.9	2013.8	2118.8	2258.7	2368.6	2373.6
1399.2	40°	1434.2	1529.1	1654.0	1719.0	1793.9	1898.9	2033.8	2043.8
1184.3	42.5°	1209.3	1299.2	1424.2	1504.1	1559.1	1659.0	1793.9	1813.9
1014.4	45°	1039.4	1094.4	1224.3	1319.2	1374.2	1439.2	1584.1	1604.1
874.5	47.5°	904.5	959.4	1039.4	1174.3	1224.3	1284.2	1399.2	1434.2
774.5	50°	794.5	849.5	919.5	1039.4	1114.3	1164.3	1259.3	1309.2
674.6	52.5°	704.6	759.6	834.5	929.5	1014.4	1059.4	1149.3	1214.3
549.7	55°	589.7	684.6	739.6	824.5	939.4	979.4	1049.4	1134.3
479.7	57.5°	514.7	594.7	674.6	744.6	859.5	909.5	979.4	1059.4
379.8	60°	434.7	509.7	604.6	664.6	774.5	839.5	914.5	989.4
289.8	62.5°	344.8	444.7	509.7	594.7	699.6	784.5	844.5	919.5
224.9	65°	254.9	364.8	439.7	529.7	629.6	719.6	769.5	849.5
159.9	67.5°	184.9	284.8	374.8	459.7	554.7	644.6	694.6	764.6
99.9	70°	144.9	209.9	309.8	384.8	484.7	559.7	614.6	659.6
65.0	72.5°	85.0	159.9	249.9	334.8	424.8	474.7	514.7	554.7
30.0	75°	55.0	124.9	204.9	279.8	344.8	389.8	424.8	459.7
15.0	77.5°	35.0	89.9	164.9	234.9	264.8	319.8	349.8	369.8
10.0	80°	20.0	70.0	144.9	189.9	214.9	249.9	279.8	304.8
10.0	82.5°	15.0	60.0	119.9	159.9	159.9	199.9	214.9	214.9
5.0	85°	10.0	50.0	94.9	149.9	119.9	149.9	139.9	139.9
5.0	87.5°	10.0	35.0	45.0	65.0	55.0	65.0	65.0	75.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
455737.5
441151.0
420693.1
386228.3
343968.1
297715.2
253421.2
210501.4
173598.1
141167.1
114123.0
71488.0
46018.0
30991.8
20802.8
13702.0
8959.7
6146.4
4467.4
3448.0
2778.4
2338.6
2028.8
1798.9
1599.1
1439.2
1314.2
1214.3
1139.3
1064.4
1009.4
954.4
864.5
769.5
674.6
564.7
459.7
359.8
274.8
199.9
134.9
75.0
0.0

(END OF REPORT)