

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: P637931

Luminaire Tested: **IFLD-S-SA3A-750-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637931
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3A-750-U-66-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor
Light Source: (48) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11867 lumens
Efficiency: N/A
Efficacy: 125.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G1

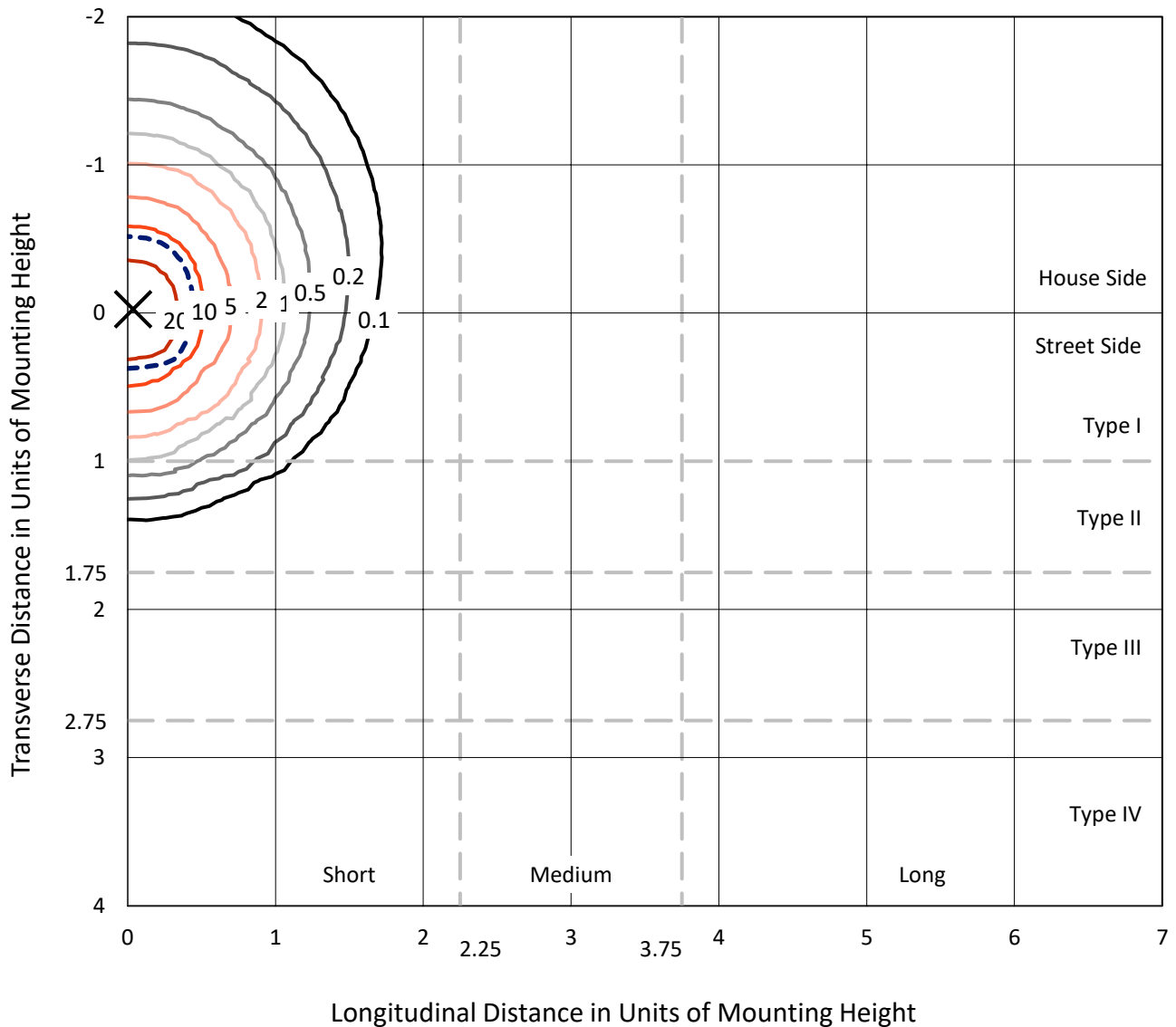
Input Watts (W): 94.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P637931
 CATALOG NUMBER: IFLD-S-SA3A-750-U-66-VI

Iso-Footcandle Lines of Horizontal Illumination

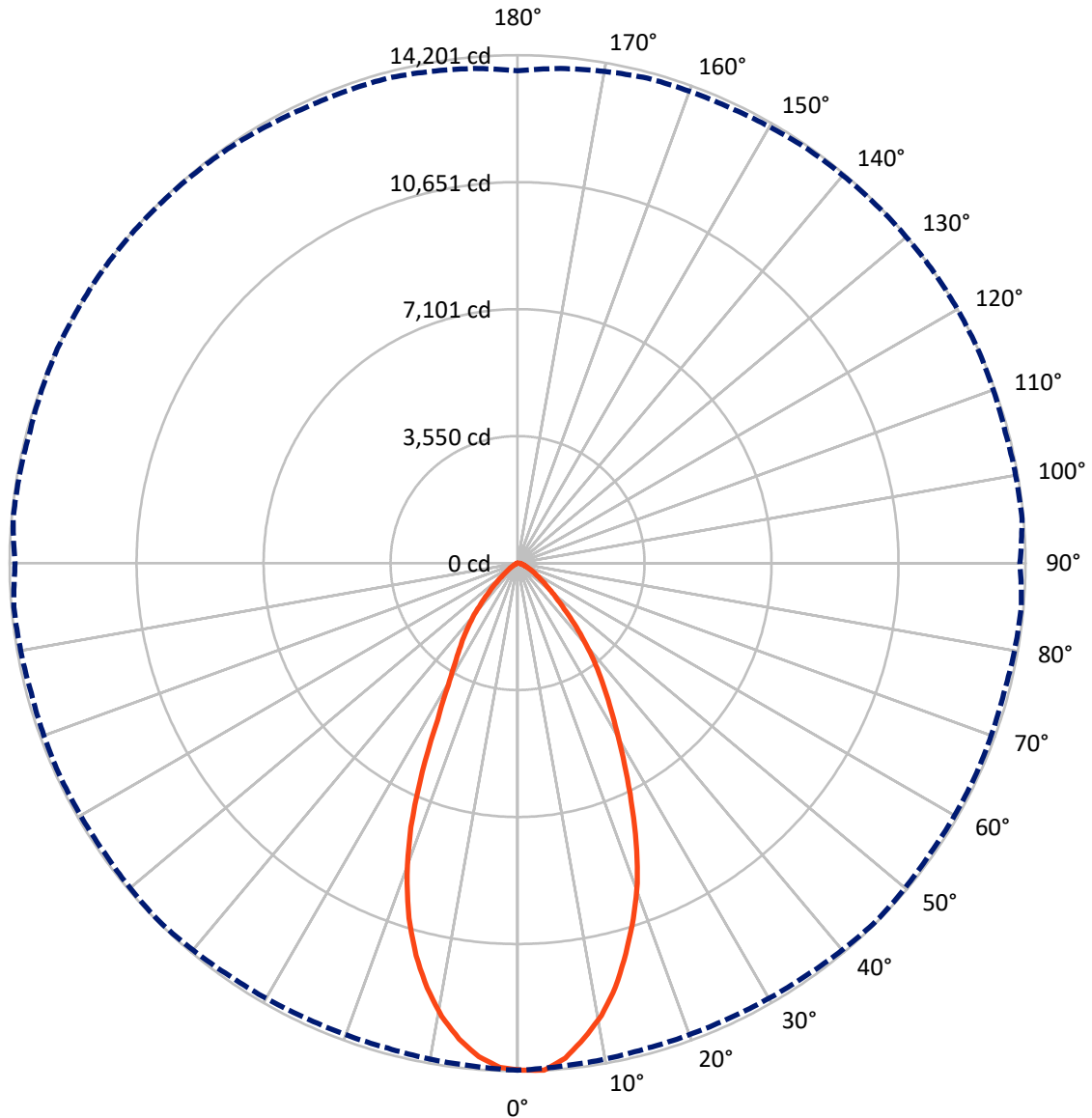
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 35.4 fc
 Type I - Short - N/A

REPORT NUMBER: P637931
CATALOG NUMBER: IFLD-S-SA3A-750-U-66-VI

Luminous Intensity Polar Plot



— Vertical Plane Through 125-Deg Lateral - - - Horizontal Cone Through 2.5-Deg Vertical

REPORT NUMBER: P637931
 CATALOG NUMBER: IFLD-S-SA3A-750-U-66-VI

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6733.8	0.0	6733.8
	% Fixture	56.7	0.0	56.7
Street Side	Lumens	5133.2	0.0	5133.2
	% Fixture	43.3	0.0	43.3
Total	Lumens	11867.0	0.0	11867.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1287.4	10.8
10°-20°	3069.0	25.9
20°-30°	3125.7	26.3
30°-40°	2330.8	19.6
40°-50°	1217.7	10.3
50°-60°	512.2	4.3
60°-70°	209.2	1.8
70°-80°	88.0	0.7
80°-90°	27.1	0.2
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°	11867.0	100.0
0°-180°	11867.0	100.0



REPORT NUMBER: P637931

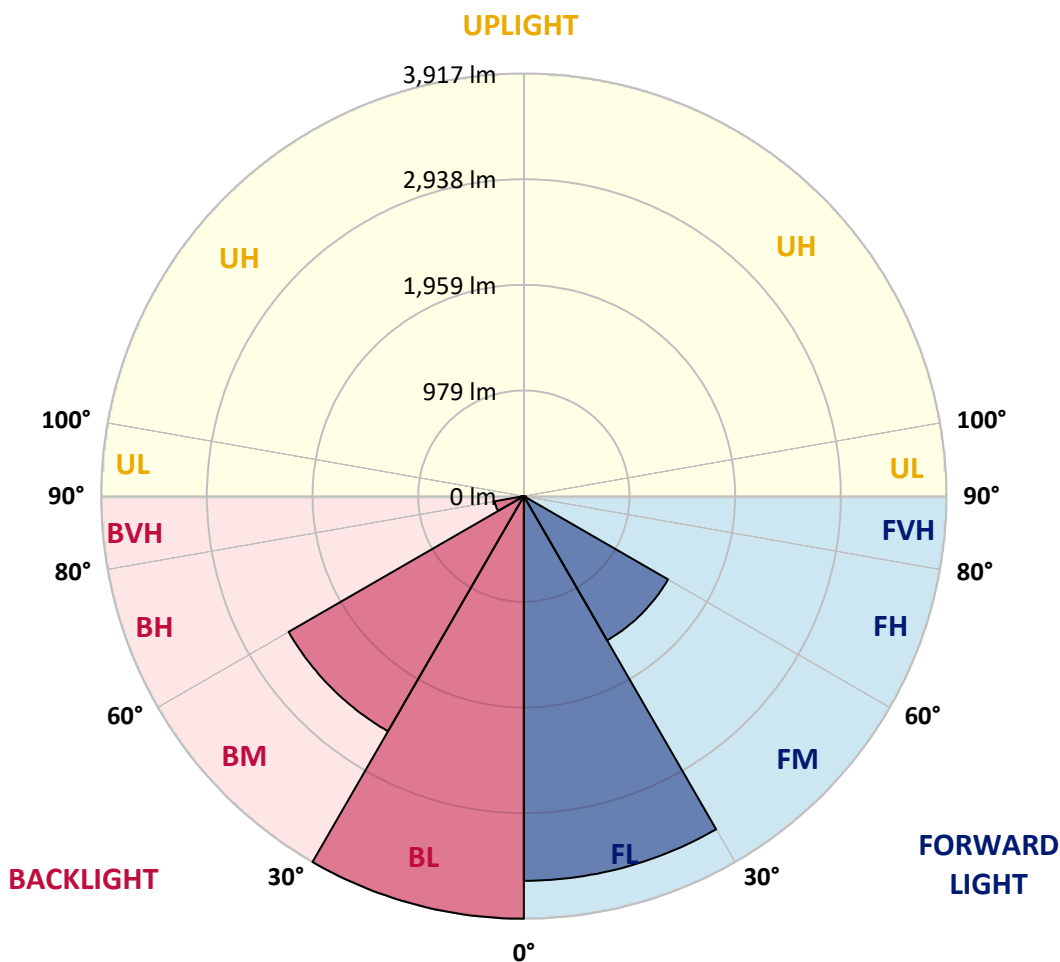
CATALOG NUMBER: IFLD-S-SA3A-750-U-66-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3565.0	30.0			
FM (30°-60°)	1543.3	13.0			
FH (60°-80°)	22.3	0.2			G0/660
FVH (80°-90°)	2.5	0.0			G0/10
BL (0°-30°)	3917.1	33.0	B4/5000		
BM (30°-60°)	2517.3	21.2	B3/5000		
BH (60°-80°)	274.9	2.3	B1/500		G1/500
BVH (80°-90°)	24.6	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type I Short





REPORT NUMBER: P637931
 CATALOG NUMBER: IFLD-S-SA3A-750-U-66-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	14178.2	14178.2	14178.2	14178.2	14178.2	14178.2	14178.2	14178.2	14178.2	14178.2
2.5°	14179.8	14121.8	14039.5	14031.9	14074.6	14167.6	14108.1	14111.2	14074.6	14137.1
5°	13957.2	13902.3	13845.9	13771.2	13833.7	13873.4	13842.9	13809.3	13762.1	13823.0
7.5°	13536.5	13506.0	13422.1	13388.6	13426.7	13470.9	13405.4	13396.2	13330.7	13409.9
10°	12893.2	12881.0	12798.7	12778.8	12812.4	12879.5	12850.5	12844.4	12803.2	12795.6
12.5°	12225.5	12178.2	12076.1	12070.0	12120.3	12220.9	12143.2	12068.5	12091.4	12111.2
15°	10506.0	10455.7	10708.7	11106.6	11315.4	11307.8	11330.7	11240.8	11213.3	11222.5
17.5°	8352.1	8266.7	8358.2	8974.0	9966.4	10542.6	10384.1	10190.5	10086.8	10018.2
20°	7208.8	7213.3	7196.6	7355.1	7974.0	9288.0	9249.9	8876.4	8740.8	8684.4
22.5°	6513.7	6487.7	6451.2	6501.5	6667.6	7439.0	7955.7	7612.7	7565.5	7503.0
25°	5832.3	5832.3	5788.1	5838.4	5885.6	5896.3	6414.6	6554.8	6463.4	6463.4
27.5°	5242.3	5211.8	5192.0	5214.9	5152.4	4852.1	4917.6	5635.6	5573.1	5535.0
30°	4657.0	4647.8	4614.3	4644.8	4413.1	4074.7	3937.5	4756.1	4821.6	4807.9
32.5°	3844.5	3881.1	4030.5	4077.7	3681.4	3408.5	3277.4	3948.1	4210.3	4199.7
35°	2612.8	2643.3	2814.0	3378.0	3051.8	2856.7	2818.6	3140.2	3571.6	3612.8
37.5°	2080.8	2076.2	2125.0	2225.6	2452.7	2405.5	2394.8	2478.6	2913.1	2931.4
40°	1714.9	1708.8	1707.3	1625.0	1568.6	2000.0	1971.0	1920.7	2297.2	2333.8
42.5°	1382.6	1388.7	1393.3	1213.4	1131.1	1542.7	1525.9	1474.1	1801.8	1844.5
45°	1085.4	1083.8	1093.0	904.0	881.1	986.3	1140.2	1099.1	1359.7	1405.5
47.5°	562.5	582.3	705.8	699.7	710.4	699.7	862.8	852.1	1022.9	1096.0
50°	378.0	384.1	394.8	396.3	559.4	515.2	585.4	663.1	716.5	829.3
52.5°	292.7	297.3	269.8	253.0	343.0	381.1	384.1	458.8	500.0	614.3
55°	163.1	182.9	196.6	198.2	189.0	282.0	280.5	339.9	371.9	448.2
57.5°	21.3	25.9	39.6	128.0	126.5	157.0	196.6	246.9	265.2	327.7
60°	1.5	3.0	4.6	19.8	83.8	91.5	134.1	154.0	184.4	230.2
62.5°	0.0	0.0	1.5	4.6	16.8	53.4	70.1	80.8	108.2	150.9
65°	0.0	0.0	1.5	3.0	6.1	19.8	27.4	44.2	64.0	93.0
67.5°	0.0	0.0	1.5	3.0	4.6	7.6	12.2	19.8	33.5	56.4
70°	0.0	0.0	1.5	3.0	4.6	6.1	9.1	12.2	18.3	30.5
72.5°	0.0	0.0	1.5	1.5	3.0	7.6	7.6	9.1	12.2	16.8
75°	0.0	0.0	1.5	3.0	4.6	7.6	7.6	7.6	9.1	10.7
77.5°	0.0	0.0	1.5	3.0	4.6	7.6	6.1	7.6	7.6	7.6
80°	0.0	0.0	1.5	3.0	4.6	7.6	9.1	7.6	6.1	6.1
82.5°	0.0	0.0	1.5	4.6	4.6	10.7	10.7	10.7	4.6	4.6
85°	0.0	0.0	3.0	4.6	7.6	12.2	12.2	9.1	4.6	3.0
87.5°	0.0	0.0	1.5	3.0	3.0	6.1	9.1	7.6	3.0	1.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P637931

CATALOG NUMBER: IFLD-S-SA3A-750-U-66-VI

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
14178.2	0°	14178.2	14178.2	14178.2	14178.2	14178.2	14178.2	14178.2	14178.2	14178.2
14045.6	2.5°	14158.4	14120.3	14191.9	14201.1	14170.6	14132.5	14044.1	14036.5	13882.5
13734.6	5°	13890.1	13827.6	13873.4	13903.8	13893.2	13852.0	13815.4	13781.9	13643.2
13230.1	7.5°	13390.1	13367.3	13388.6	13411.5	13455.7	13411.5	13396.2	13361.2	13224.0
12733.1	10°	12835.3	12792.6	12873.4	12862.7	12850.5	12838.3	12774.3	12780.4	12618.8
12056.3	12.5°	12153.9	12082.2	12160.0	12169.1	12160.0	12117.3	12045.6	12076.1	11928.2
11141.7	15°	11237.7	11230.1	11286.5	11323.1	11349.0	11303.3	11278.9	11294.1	11205.7
9964.8	17.5°	10112.7	10211.8	10396.2	10458.7	10460.3	10507.5	10493.8	10475.5	10410.0
8661.5	20°	8789.6	8980.1	9263.6	9554.8	9638.6	9599.0	9580.7	9614.2	9516.7
7437.4	22.5°	7568.5	7731.6	8060.9	8486.2	8731.6	8756.0	8751.4	8722.5	8684.4
6457.3	25°	6532.0	6676.8	6992.3	7381.0	7852.1	7922.2	7925.2	7916.1	7882.6
5568.5	27.5°	5657.0	5832.3	6006.0	6353.6	6855.1	7144.8	7108.2	7097.5	7085.3
4818.6	30°	4864.3	5085.3	5248.4	5464.9	5914.6	6306.3	6344.5	6326.2	6297.2
4198.1	32.5°	4236.2	4367.3	4574.7	4721.0	5044.2	5487.8	5634.1	5620.4	5594.5
3638.7	35°	3690.5	3742.3	3905.5	4068.6	4283.5	4713.4	4929.8	4899.3	4894.8
2964.9	37.5°	3039.6	3213.4	3303.3	3468.0	3618.9	3952.7	4251.5	4237.8	4239.3
2384.1	40°	2454.2	2554.9	2733.2	2871.9	3010.6	3254.5	3586.9	3596.0	3593.0
1846.0	42.5°	1884.1	1981.7	2169.2	2320.1	2443.6	2594.5	2911.6	2922.2	2935.9
1437.5	45°	1471.0	1533.5	1670.7	1827.7	1958.8	2050.3	2291.1	2359.7	2361.3
1114.3	47.5°	1141.8	1213.4	1311.0	1461.9	1589.9	1655.5	1830.8	1923.8	1919.2
855.2	50°	896.3	961.9	1041.1	1160.1	1298.8	1350.6	1480.2	1571.6	1567.1
644.8	52.5°	686.0	769.8	839.9	931.4	1067.1	1111.3	1204.3	1309.4	1294.2
472.6	55°	519.8	605.2	670.7	746.9	870.4	926.8	990.8	1074.7	1077.7
365.9	57.5°	391.8	480.2	539.6	617.4	710.4	772.9	821.6	911.6	910.1
250.0	60°	280.5	356.7	428.3	509.1	580.8	652.4	686.0	771.3	774.4
176.8	62.5°	202.7	274.4	343.0	413.1	477.1	547.3	577.7	644.8	654.0
115.9	65°	141.8	192.1	271.3	324.7	396.3	448.2	487.8	545.7	556.4
68.6	67.5°	91.5	138.7	214.9	262.2	327.7	371.9	413.1	458.8	472.6
44.2	70°	54.9	105.2	160.1	210.4	269.8	309.4	349.1	388.7	396.3
21.3	72.5°	35.1	73.2	115.9	170.7	216.5	259.1	294.2	323.2	300.3
13.7	75°	19.8	50.3	91.5	134.1	175.3	216.5	245.4	260.7	208.8
9.1	77.5°	12.2	36.6	74.7	108.2	135.7	173.8	192.1	201.2	149.4
6.1	80°	7.6	27.4	62.5	88.4	88.4	128.0	149.4	157.0	108.2
4.6	82.5°	6.1	19.8	48.8	67.1	59.5	96.0	117.4	118.9	76.2
3.0	85°	4.6	15.2	30.5	44.2	41.2	67.1	68.6	76.2	50.3
3.0	87.5°	3.0	9.1	18.3	25.9	22.9	32.0	36.6	41.2	27.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
14178.2
13762.1
13531.9
13195.0
12563.9
11885.6
11099.0
10312.4
9446.6
8611.2
7769.7
7013.7
6260.6
5525.9
4844.5
4190.5
3539.6
2890.2
2321.6
1902.4
1567.1
1295.7
1077.7
907.0
766.8
650.9
553.3
471.0
390.2
279.0
198.2
140.2
100.6
70.1
45.7
24.4
0.0

(END OF REPORT)