

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: P636628

Luminaire Tested: **IFLD-S-SA3C-935-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636628
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3C-935-U-66-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor
Light Source: (48) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11198.6 lumens
Efficiency: N/A
Efficacy: 69.6 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

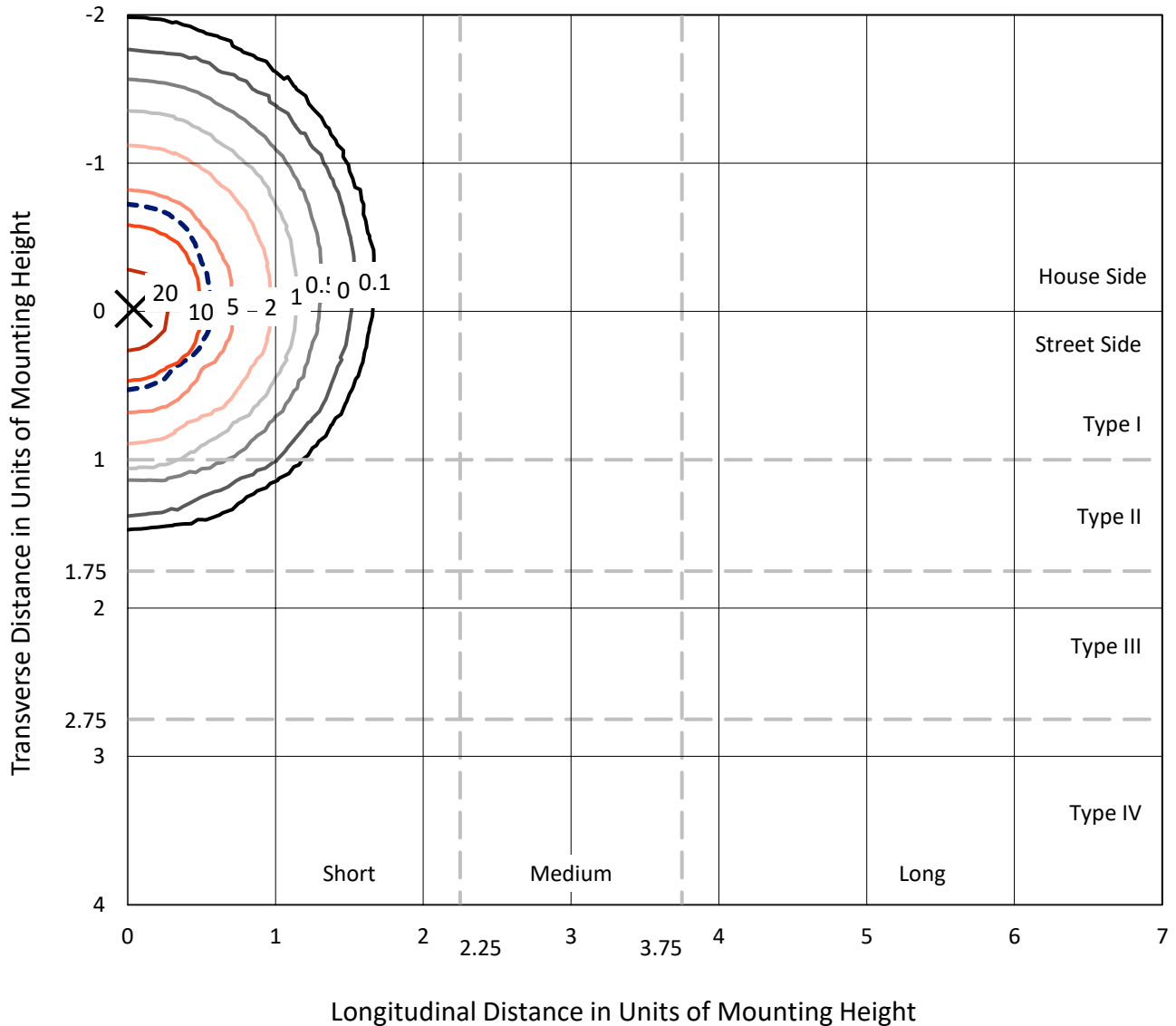
Input Watts (W): 160.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P636628
 CATALOG NUMBER: IFLD-S-SA3C-935-U-66-VI

Iso-Footcandle Lines of Horizontal Illumination

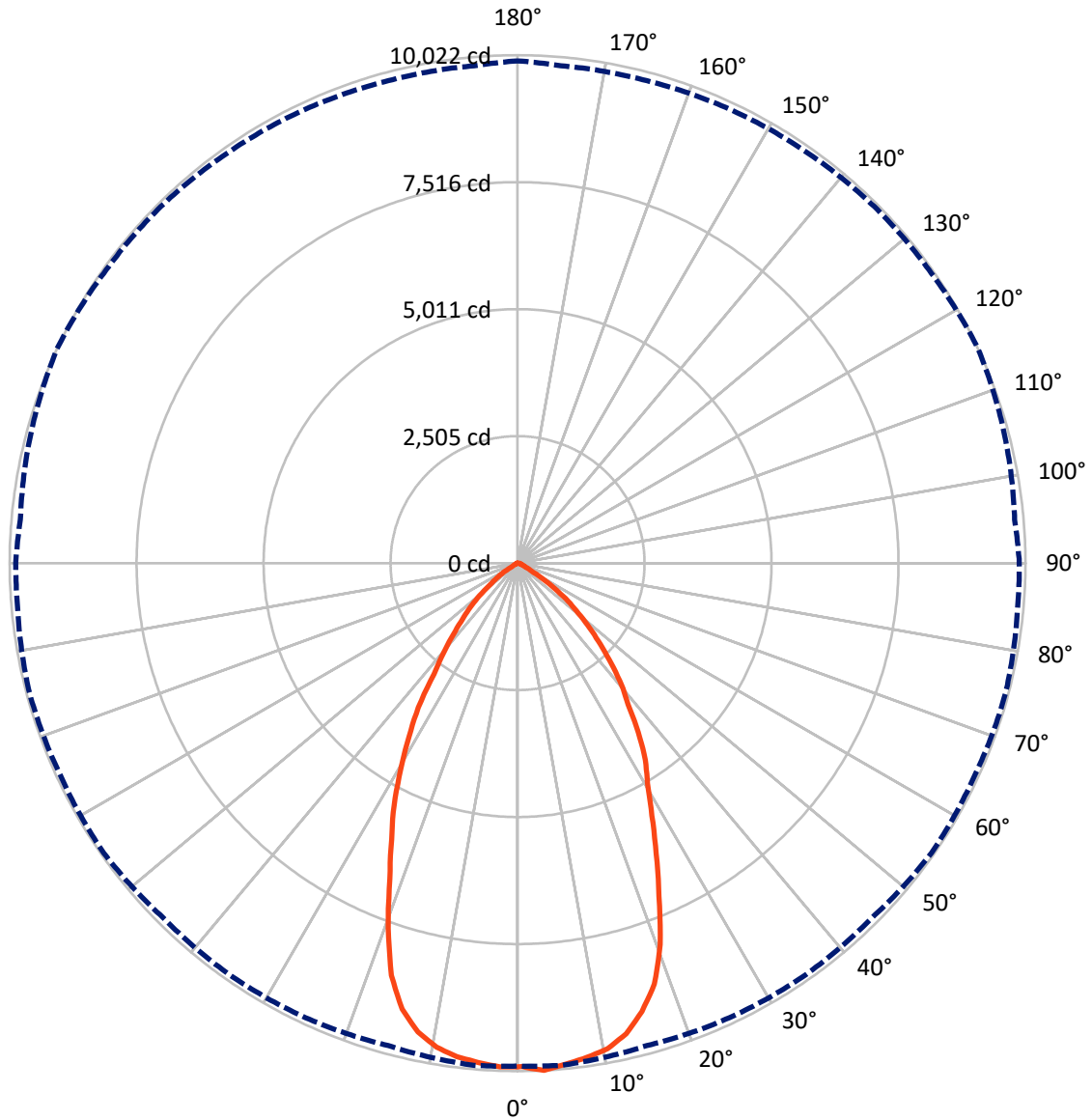
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 24.8 fc
 Type I - Short - N/A

REPORT NUMBER: P636628
CATALOG NUMBER: IFLD-S-SA3C-935-U-66-VI

Luminous Intensity Polar Plot



— Vertical Plane Through 115-Deg Lateral - - - Horizontal Cone Through 2.5-Deg Vertical

REPORT NUMBER: P636628

CATALOG NUMBER: IFLD-S-SA3C-935-U-66-VI

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6408.8	0.0	6408.8
	% Fixture	57.2	0.0	57.2
Street Side	Lumens	4789.8	0.0	4789.8
	% Fixture	42.8	0.0	42.8
Total	Lumens	11198.6	0.0	11198.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	935.8	8.4
10°-20°	2481.4	22.2
20°-30°	2838.2	25.3
30°-40°	2432.2	21.7
40°-50°	1608.3	14.4
50°-60°	701.8	6.3
60°-70°	137.9	1.2
70°-80°	49.8	0.4
80°-90°	13.2	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°	11198.6	100.0
0°-180°	11198.6	100.0



REPORT NUMBER: P636628

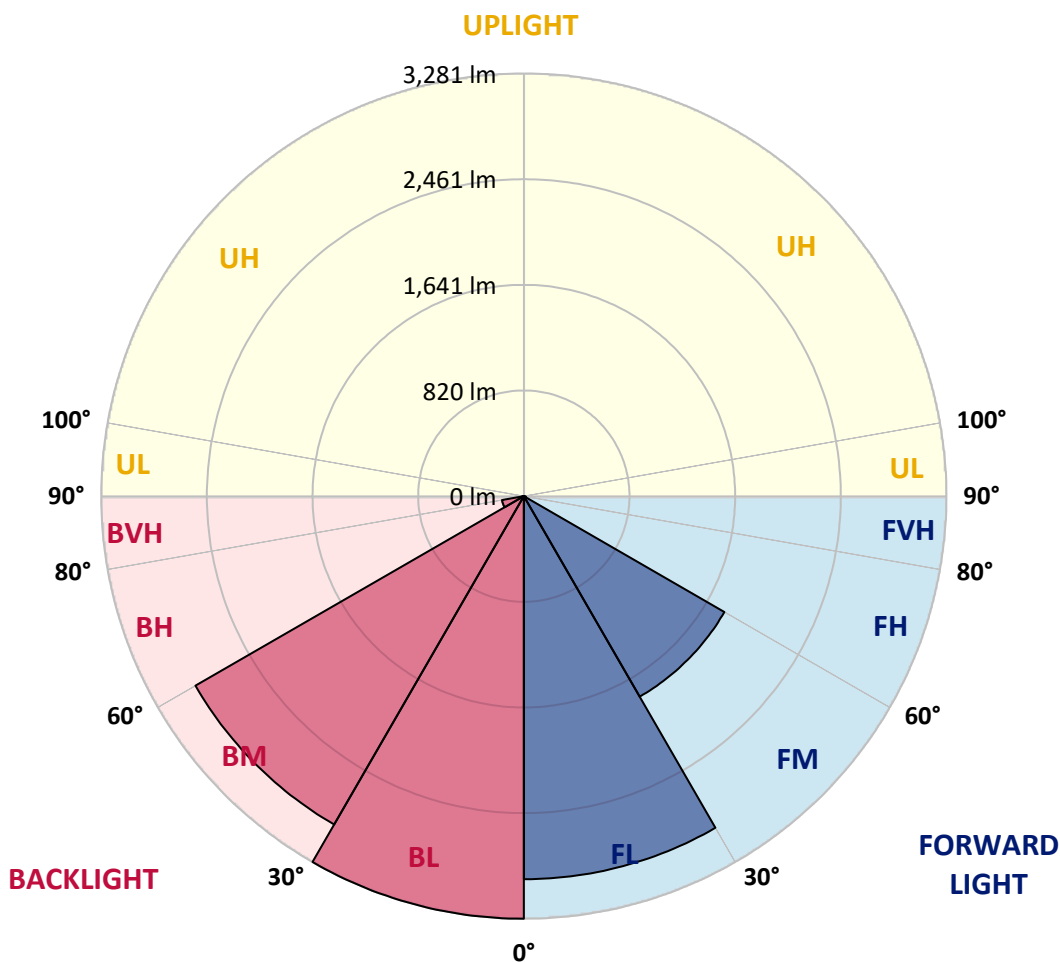
CATALOG NUMBER: IFLD-S-SA3C-935-U-66-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2974.1	26.6			
FM (30°-60°)	1798.3	16.1			
FH (60°-80°)	15.2	0.1			G0/660
FVH (80°-90°)	2.2	0.0			G0/10
BL (0°-30°)	3281.3	29.3	B4/5000		
BM (30°-60°)	2944.1	26.3	B3/5000		
BH (60°-80°)	172.4	1.5	B1/500		G1/500
BVH (80°-90°)	11.0	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type I Short





REPORT NUMBER: P636628
 CATALOG NUMBER: IFLD-S-SA3C-935-U-66-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9935.9	9935.9	9935.9	9935.9	9935.9	9935.9	9935.9	9935.9	9935.9	9935.9
2.5°	9921.7	9945.5	9855.0	9895.5	9912.1	9890.7	9969.3	9945.5	9964.5	9905.0
5°	9921.7	9945.5	9840.7	9859.8	9864.5	9824.1	9909.8	9881.2	9883.6	9821.7
7.5°	9859.8	9888.3	9793.1	9807.4	9809.8	9776.5	9850.3	9809.8	9795.5	9731.2
10°	9693.1	9709.8	9624.1	9659.8	9693.1	9662.2	9726.5	9681.2	9681.2	9624.1
12.5°	9428.9	9459.9	9364.6	9407.5	9436.1	9400.3	9474.1	9457.5	9459.9	9402.7
15°	8948.1	8840.9	8955.2	9040.9	9043.3	9036.1	9105.2	9088.5	9100.4	9014.7
17.5°	6610.5	6584.3	6717.6	7729.3	8481.5	8583.9	8595.8	8505.3	8464.8	8381.5
20°	6124.9	6143.9	6115.3	6120.1	6712.8	7943.5	7869.7	7646.0	7543.6	7460.3
22.5°	5770.2	5739.2	5720.2	5708.3	5725.0	6527.2	7058.0	6720.0	6665.2	6624.8
25°	5384.6	5370.3	5346.5	5341.7	5332.2	5196.5	5960.6	5991.6	5903.5	5853.5
27.5°	5025.1	5015.6	4989.4	4987.0	4877.5	4549.0	4632.3	5367.9	5344.1	5325.0
30°	4641.9	4622.8	4608.5	4608.5	4277.6	3939.6	3803.9	4679.9	4679.9	4663.3
32.5°	4225.3	4208.6	4213.4	4156.2	3761.1	3451.6	3237.4	4039.6	4289.5	4275.3
35°	2582.8	2578.0	3061.2	3696.8	3232.6	2951.7	2937.5	3456.4	3820.6	3858.7
37.5°	2299.5	2285.2	2292.4	2332.8	2768.4	2656.6	2651.8	2739.9	3251.7	3270.7
40°	2063.8	2054.3	2047.2	1902.0	1763.9	2370.9	2354.3	2297.1	2778.0	2811.3
42.5°	1840.1	1830.6	1830.6	1625.8	1402.1	1949.6	1956.7	1890.1	2342.4	2354.3
45°	1609.2	1602.0	1561.6	1297.3	1233.1	1295.0	1621.1	1544.9	1859.1	1982.9
47.5°	759.4	754.6	1092.6	1078.3	1073.6	1035.5	1237.8	1280.7	1475.9	1599.7
50°	609.4	604.6	576.1	507.0	883.1	785.5	892.7	985.5	1047.4	1161.7
52.5°	504.7	499.9	440.4	390.4	490.4	573.7	533.2	659.4	657.0	780.8
55°	330.9	307.1	338.0	319.0	257.1	416.6	407.1	499.9	488.0	595.1
57.5°	7.1	7.1	16.7	180.9	161.9	176.2	233.3	285.7	321.4	352.3
60°	2.4	2.4	4.8	9.5	66.7	73.8	90.5	104.7	147.6	183.3
62.5°	0.0	0.0	2.4	4.8	9.5	38.1	42.8	50.0	69.0	95.2
65°	0.0	0.0	0.0	2.4	4.8	9.5	14.3	30.9	42.8	54.8
67.5°	0.0	0.0	0.0	2.4	2.4	4.8	9.5	14.3	19.0	38.1
70°	0.0	0.0	0.0	2.4	2.4	4.8	7.1	9.5	14.3	19.0
72.5°	0.0	0.0	0.0	2.4	2.4	7.1	4.8	7.1	9.5	11.9
75°	0.0	0.0	0.0	2.4	2.4	2.4	4.8	7.1	7.1	9.5
77.5°	0.0	0.0	0.0	2.4	4.8	4.8	4.8	4.8	4.8	7.1
80°	0.0	0.0	0.0	2.4	2.4	4.8	7.1	9.5	4.8	4.8
82.5°	0.0	0.0	0.0	4.8	2.4	9.5	14.3	11.9	4.8	2.4
85°	0.0	0.0	0.0	2.4	9.5	11.9	11.9	7.1	2.4	2.4
87.5°	0.0	0.0	0.0	2.4	2.4	4.8	7.1	7.1	2.4	2.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P636628

CATALOG NUMBER: IFLD-S-SA3C-935-U-66-VI

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
9935.9	0°	9935.9	9935.9	9935.9	9935.9	9935.9	9935.9	9935.9	9935.9	9935.9
9900.2	2.5°	9845.5	9938.3	10021.6	9969.3	9950.2	9912.1	9883.6	9852.6	9850.3
9814.5	5°	9759.8	9847.9	9928.8	9866.9	9871.7	9852.6	9833.6	9826.4	9831.2
9726.5	7.5°	9686.0	9759.8	9847.9	9795.5	9809.8	9797.9	9788.4	9774.1	9795.5
9612.2	10°	9574.1	9640.8	9743.1	9693.1	9686.0	9674.1	9664.6	9638.4	9650.3
9405.1	12.5°	9328.9	9412.3	9528.9	9471.8	9490.8	9457.5	9443.2	9426.5	9428.9
9045.7	15°	8995.7	9059.9	9179.0	9133.7	9148.0	9126.6	9126.6	9126.6	9143.3
8393.4	17.5°	8414.8	8545.8	8733.8	8676.7	8698.1	8702.9	8698.1	8714.8	8736.2
7465.1	20°	7469.8	7693.6	8036.4	8148.2	8193.5	8195.8	8162.5	8203.0	8245.8
6596.2	22.5°	6601.0	6836.6	7138.9	7446.0	7636.4	7626.9	7631.7	7657.9	7703.1
5822.6	25°	5848.7	6074.9	6348.6	6622.4	7039.0	7124.7	7127.0	7150.8	7186.5
5294.1	27.5°	5306.0	5394.1	5644.0	5920.1	6367.7	6641.4	6627.1	6648.6	6686.7
4632.3	30°	4651.4	4989.4	5046.5	5215.5	5601.2	6103.4	6105.8	6129.6	6167.7
4241.9	32.5°	4230.0	4453.8	4630.0	4634.7	4963.2	5479.8	5582.1	5605.9	5632.1
3837.3	35°	3834.9	3861.1	4099.1	4165.8	4356.2	4868.0	5048.9	5063.2	5106.0
3263.6	37.5°	3318.3	3473.1	3539.7	3777.8	3787.3	4201.5	4560.9	4546.6	4580.0
2808.9	40°	2844.6	2992.2	3161.2	3335.0	3358.8	3668.3	4065.8	4080.1	4094.4
2330.4	42.5°	2349.5	2537.5	2711.3	2828.0	2989.8	3168.4	3546.9	3613.5	3646.8
1997.2	45°	2032.9	2085.3	2292.4	2463.8	2628.0	2711.3	3066.0	3187.4	3208.8
1580.6	47.5°	1602.0	1778.2	1918.6	2063.8	2268.6	2342.4	2599.4	2768.4	2785.1
1173.6	50°	1237.8	1364.0	1556.8	1687.7	1925.8	1966.2	2142.4	2361.4	2382.8
785.5	52.5°	885.5	1056.9	1245.0	1371.1	1599.7	1652.0	1782.9	1992.4	2006.7
602.3	55°	635.6	747.5	902.2	1083.1	1249.7	1366.4	1456.8	1656.8	1675.8
395.2	57.5°	433.2	538.0	602.3	783.2	883.1	1009.3	1083.1	1235.4	1249.7
188.1	60°	207.1	257.1	307.1	397.5	461.8	568.9	616.5	678.4	695.1
114.3	62.5°	133.3	157.1	200.0	238.0	299.9	366.6	385.6	438.0	457.0
71.4	65°	88.1	111.9	157.1	166.6	228.5	280.9	304.7	342.8	364.2
42.8	67.5°	50.0	78.6	116.6	138.1	180.9	230.9	257.1	290.4	309.5
28.6	70°	33.3	64.3	92.8	114.3	142.8	185.7	219.0	247.6	259.5
14.3	72.5°	19.0	40.5	64.3	90.5	114.3	154.7	185.7	209.5	138.1
9.5	75°	11.9	30.9	54.8	76.2	95.2	123.8	150.0	147.6	61.9
7.1	77.5°	9.5	23.8	47.6	64.3	78.6	85.7	107.1	121.4	47.6
4.8	80°	7.1	19.0	42.8	54.8	30.9	61.9	83.3	90.5	33.3
4.8	82.5°	4.8	11.9	35.7	38.1	21.4	45.2	66.7	59.5	23.8
2.4	85°	2.4	7.1	11.9	21.4	19.0	21.4	16.7	23.8	16.7
2.4	87.5°	2.4	4.8	9.5	9.5	9.5	7.1	9.5	9.5	9.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
9935.9
9907.4
9890.7
9855.0
9707.4
9497.9
9150.4
8807.6
8274.4
7710.2
7248.4
6722.4
6234.4
5691.6
5151.3
4620.4
4139.6
3694.4
3261.2
2825.6
2413.8
2032.9
1692.5
1278.3
714.1
461.8
364.2
307.1
257.1
111.9
61.9
47.6
35.7
23.8
16.7
9.5
0.0

(END OF REPORT)