

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: P636888

Luminaire Tested: **IFLD-S-SA3B-930-U-LAM-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636888
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3B-930-U-LAM-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/
Lambertian distribution lens and Visor
Light Source: (48) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8026.5 lumens
Efficiency: N/A
Efficacy: 65.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G1

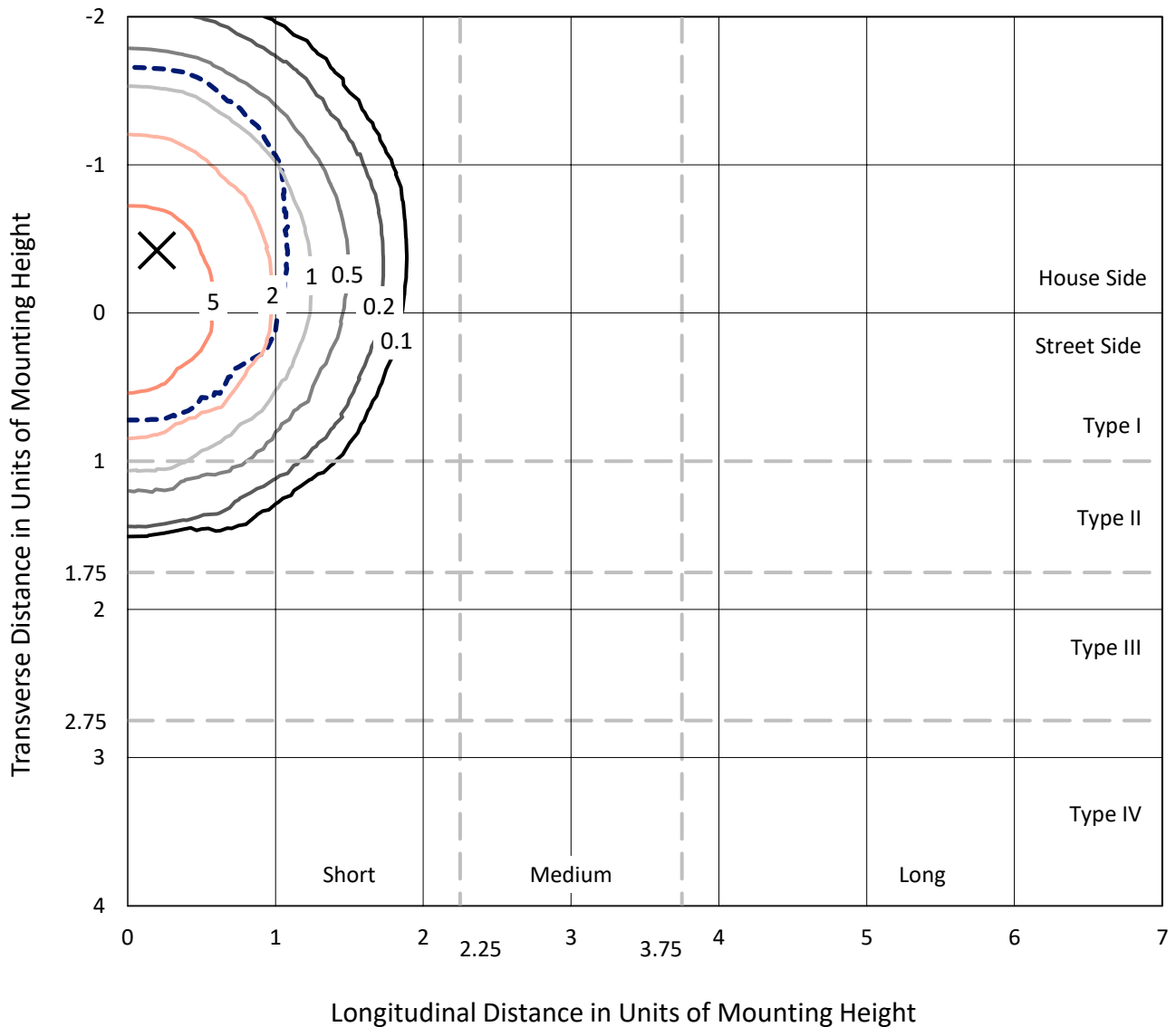
Input Watts (W): 122.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

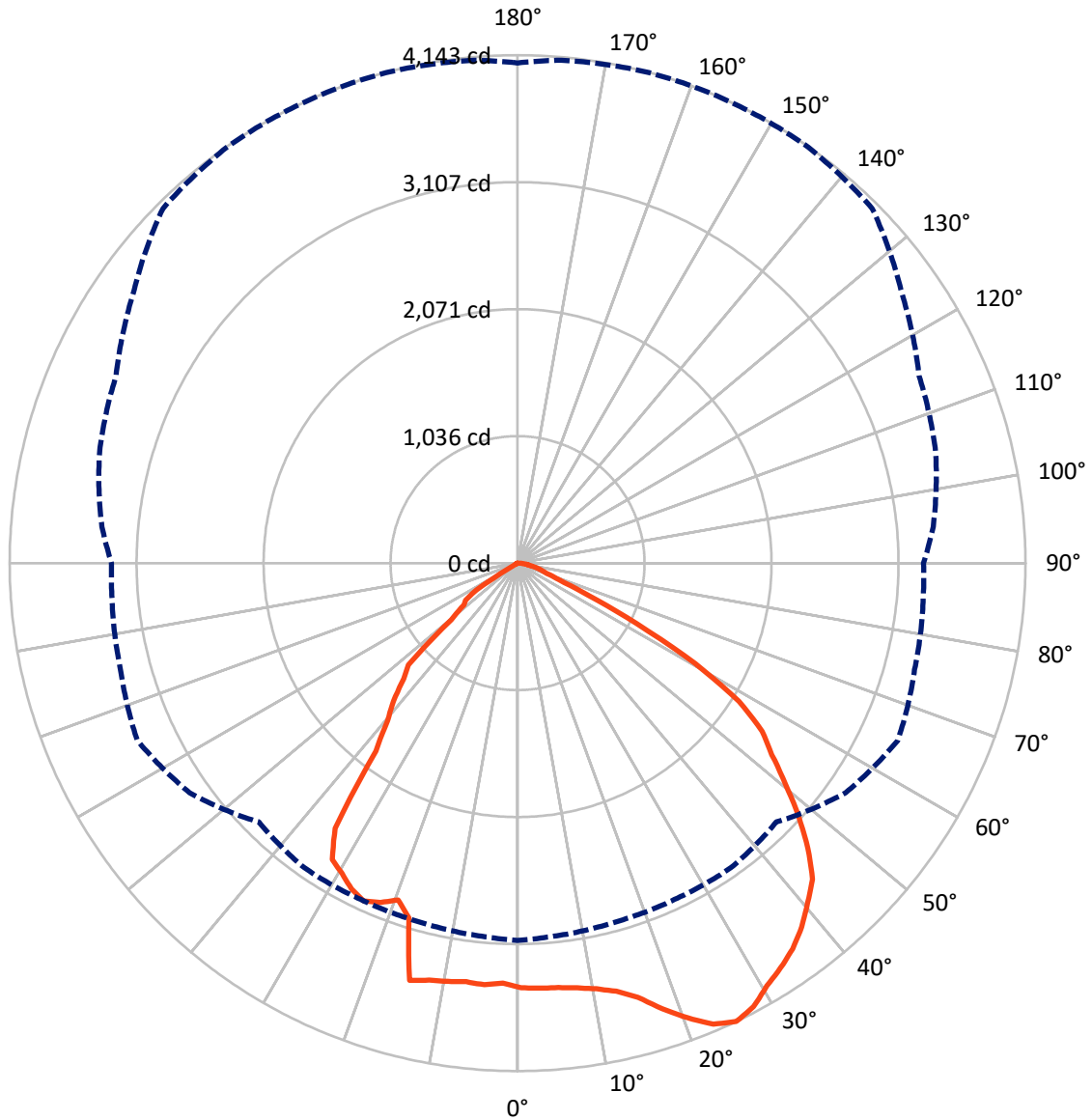
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.7 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 155-Deg Lateral - - - Horizontal Cone Through 25-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4969.2	0.0	4969.2
	% Fixture	61.9	0.0	61.9
Street Side	Lumens	3057.3	0.0	3057.3
	% Fixture	38.1	0.0	38.1
Total	Lumens	8026.5	0.0	8026.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	332.3	4.1
10°-20°	1014.5	12.6
20°-30°	1603.9	20.0
30°-40°	1811.7	22.6
40°-50°	1696.7	21.1
50°-60°	1169.8	14.6
60°-70°	314.3	3.9
70°-80°	65.5	0.8
80°-90°	17.7	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°	8026.5	100.0
0°-180°	8026.5	100.0



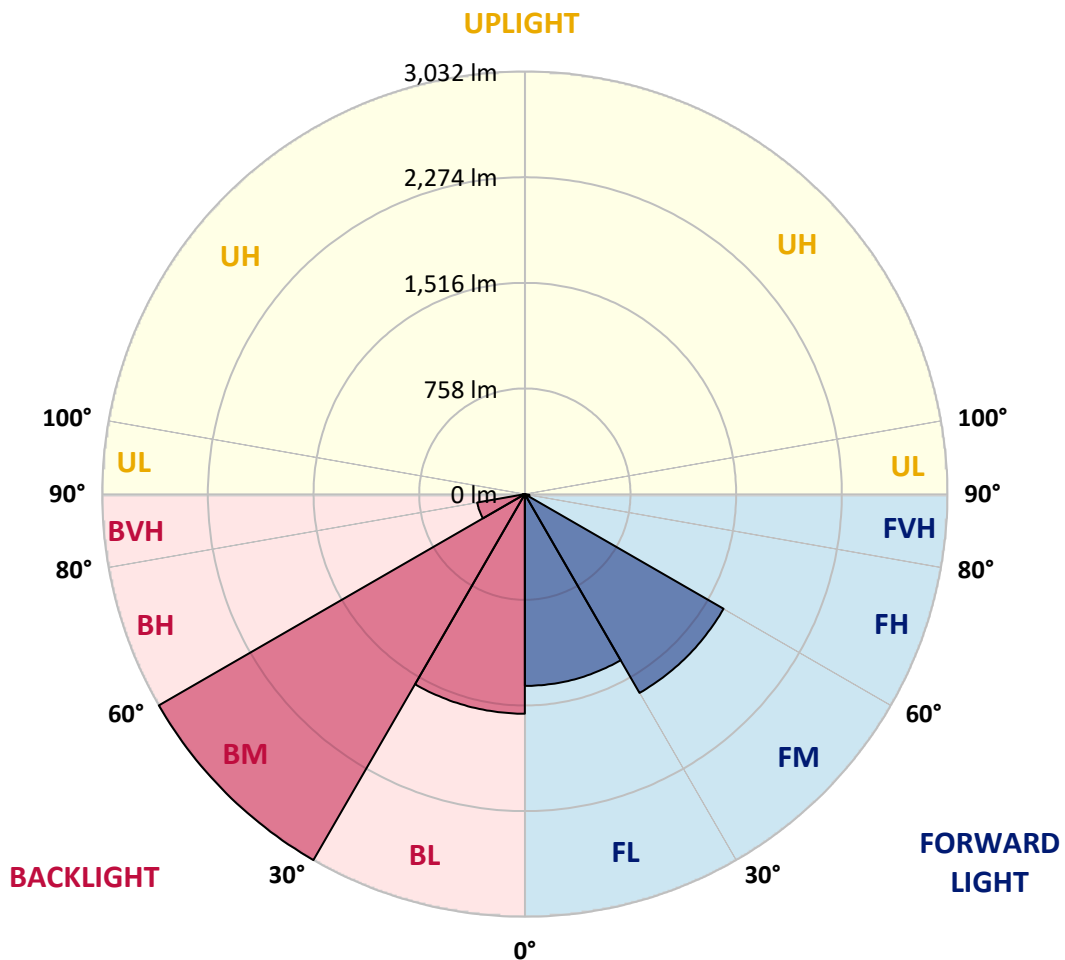
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1375.5	17.1			
FM (30°-60°)	1646.4	20.5			
FH (60°-80°)	33.0	0.4			G0/660
FVH (80°-90°)	2.4	0.0			G0/10
BL (0°-30°)	1575.2	19.6	B3/2500		
BM (30°-60°)	3031.9	37.8	B3/5000		
BH (60°-80°)	346.8	4.3	B1/500		G1/500
BVH (80°-90°)	15.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3463.3	3463.3	3463.3	3463.3	3463.3	3463.3	3463.3	3463.3	3463.3	3463.3
2.5°	3478.6	3456.2	3435.0	3427.9	3457.4	3489.2	3469.2	3470.3	3463.3	3476.2
5°	3504.6	3473.9	3459.7	3449.1	3453.8	3486.9	3458.5	3469.2	3457.4	3472.7
7.5°	3495.1	3473.9	3459.7	3439.7	3455.0	3493.9	3466.8	3468.0	3462.1	3476.2
10°	3489.2	3473.9	3456.2	3458.5	3476.2	3509.3	3488.0	3499.8	3491.6	3499.8
12.5°	3503.4	3486.9	3477.4	3477.4	3492.8	3530.5	3519.9	3530.5	3527.0	3534.0
15°	3370.1	3385.4	3475.1	3515.2	3545.8	3583.6	3578.9	3589.5	3591.8	3602.5
17.5°	2842.8	2827.5	2820.4	3026.8	3575.3	3692.1	3688.6	3687.4	3675.6	3667.3
20°	2912.4	2906.5	2898.2	2913.6	2974.9	3748.7	3772.3	3627.2	3584.8	3581.2
22.5°	3023.3	3013.8	2983.2	2984.4	3003.2	3259.2	3655.5	3523.4	3509.3	3501.0
25°	3077.5	3058.7	3033.9	3026.8	3032.7	2985.5	3265.1	3422.0	3352.4	3320.5
27.5°	2982.0	2983.2	2963.1	2982.0	2959.6	2747.3	2628.1	3223.8	3221.5	3207.3
30°	2910.0	2906.5	2882.9	2906.5	2752.0	2514.9	2464.2	3006.8	2982.0	2963.1
32.5°	2689.5	2691.8	2760.2	2852.2	2598.6	2411.1	2257.7	2685.9	2920.7	2910.0
35°	1923.9	1928.6	2171.6	2625.8	2366.3	2204.6	2192.9	2321.4	2823.9	2828.6
37.5°	1852.0	1852.0	1846.1	1920.4	2183.4	2120.9	2144.5	2131.5	2586.8	2598.6
40°	1800.0	1789.4	1781.2	1664.4	1518.1	2061.9	2078.4	2019.5	2445.3	2447.6
42.5°	1737.5	1725.7	1728.1	1512.2	1358.9	1915.6	1869.6	1790.6	2209.4	2211.7
45°	1623.1	1643.2	1657.3	1323.5	1311.7	1368.3	1724.6	1675.0	2050.1	2093.8
47.5°	825.7	843.4	1294.0	1217.3	1244.5	1216.2	1456.8	1458.0	1705.7	1850.8
50°	749.0	744.3	745.5	710.1	1148.9	983.8	1053.4	1336.5	1366.0	1573.6
52.5°	698.3	697.1	625.2	555.6	721.9	865.8	764.4	967.3	1015.6	1332.9
55°	516.7	554.4	493.1	522.6	451.8	693.6	690.1	872.9	889.4	1068.7
57.5°	4.7	5.9	14.2	397.5	312.6	346.8	476.6	595.7	625.2	832.8
60°	1.2	2.4	5.9	11.8	202.9	213.5	318.5	344.4	388.1	496.6
62.5°	0.0	0.0	2.4	5.9	10.6	87.3	101.4	110.9	171.0	253.6
65°	0.0	0.0	1.2	3.5	5.9	14.2	24.8	51.9	74.3	92.0
67.5°	0.0	0.0	1.2	2.4	4.7	7.1	14.2	20.1	31.8	54.3
70°	0.0	0.0	1.2	2.4	3.5	5.9	9.4	14.2	18.9	27.1
72.5°	0.0	0.0	1.2	2.4	2.4	7.1	7.1	10.6	14.2	17.7
75°	0.0	0.0	1.2	1.2	2.4	4.7	7.1	8.3	9.4	14.2
77.5°	0.0	0.0	1.2	2.4	3.5	4.7	5.9	9.4	8.3	8.3
80°	0.0	0.0	1.2	3.5	3.5	5.9	7.1	9.4	5.9	5.9
82.5°	0.0	0.0	1.2	4.7	3.5	11.8	11.8	13.0	4.7	4.7
85°	0.0	0.0	3.5	2.4	7.1	11.8	10.6	7.1	5.9	3.5
87.5°	0.0	0.0	1.2	1.2	2.4	3.5	8.3	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



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CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
3463.3	0°	3463.3	3463.3	3463.3	3463.3	3463.3	3463.3	3463.3	3463.3	3463.3
3442.0	2.5°	3489.2	3473.9	3505.7	3502.2	3486.9	3479.8	3471.5	3464.4	3412.5
3444.4	5°	3490.4	3466.8	3505.7	3498.7	3496.3	3484.5	3477.4	3488.0	3440.9
3453.8	7.5°	3490.4	3466.8	3509.3	3511.6	3508.1	3498.7	3497.5	3504.6	3465.6
3470.3	10°	3514.0	3504.6	3539.9	3543.5	3538.8	3536.4	3530.5	3525.8	3484.5
3527.0	12.5°	3563.5	3544.7	3584.8	3595.4	3591.8	3597.7	3583.6	3590.7	3548.2
3584.8	15°	3623.7	3624.9	3655.5	3679.1	3676.8	3695.6	3674.4	3693.3	3662.6
3650.8	17.5°	3715.7	3728.7	3772.3	3807.7	3820.7	3834.8	3820.7	3826.6	3782.9
3577.7	20°	3619.0	3667.3	3877.3	3942.2	3969.3	3982.3	3958.7	3965.8	3922.1
3488.0	22.5°	3531.7	3594.2	3780.6	3983.5	4067.2	4093.2	4084.9	4083.7	4067.2
3311.1	25°	3403.1	3529.3	3613.1	3827.8	4090.8	4138.0	4142.7	4141.5	4116.8
3202.6	27.5°	3245.0	3273.4	3490.4	3621.3	3925.7	4105.0	4097.9	4063.7	4030.6
2977.3	30°	3043.3	3171.9	3269.8	3478.6	3712.2	4003.5	4003.5	3977.6	3943.4
2897.1	32.5°	2940.7	3107.0	3197.9	3273.4	3472.7	3890.3	3937.5	3910.3	3883.2
2834.5	35°	2886.4	2911.2	3123.5	3192.0	3360.6	3672.1	3863.1	3836.0	3816.0
2668.2	37.5°	2767.3	2825.1	2924.2	3107.0	3158.9	3493.9	3764.1	3749.9	3726.3
2452.4	40°	2501.9	2656.4	2808.6	2982.0	3036.3	3265.1	3643.7	3649.6	3617.8
2222.3	42.5°	2345.0	2450.0	2688.3	2805.1	2951.3	3117.6	3527.0	3536.4	3514.0
2105.6	45°	2161.0	2277.8	2445.3	2657.6	2857.0	2914.8	3320.5	3419.6	3400.7
1873.2	47.5°	1992.3	2086.7	2291.9	2506.6	2727.2	2718.9	3083.4	3269.8	3243.9
1695.1	50°	1752.9	1918.0	2014.7	2211.7	2540.8	2563.2	2831.0	3094.1	3072.8
1440.3	52.5°	1478.0	1685.6	1870.8	2051.3	2352.1	2405.2	2596.3	2914.8	2900.6
1100.6	55°	1291.6	1442.6	1651.4	1796.5	2123.3	2264.8	2420.5	2743.7	2736.6
904.7	57.5°	918.9	1210.3	1382.5	1585.4	1757.6	2013.6	2129.2	2395.7	2329.7
501.3	60°	622.8	759.7	969.6	1187.8	1303.4	1559.4	1666.8	1880.3	1862.6
299.6	62.5°	329.1	455.3	605.1	714.8	798.6	1047.5	1092.3	1322.3	1316.4
120.3	65°	145.1	192.3	327.9	384.5	470.7	586.3	625.2	707.8	687.7
59.0	67.5°	75.5	114.4	185.2	227.7	286.6	330.3	362.1	388.1	404.6
38.9	70°	46.0	83.8	114.4	158.1	197.0	232.4	257.1	292.5	313.8
20.1	72.5°	34.2	53.1	79.0	121.5	142.7	184.0	208.8	234.7	253.6
16.5	75°	18.9	35.4	63.7	95.5	114.4	149.8	172.2	189.9	195.8
9.4	77.5°	11.8	27.1	53.1	74.3	89.6	121.5	115.6	132.1	146.3
7.1	80°	8.3	20.1	41.3	61.3	62.5	77.9	92.0	106.2	115.6
4.7	82.5°	5.9	16.5	30.7	47.2	41.3	60.2	72.0	82.6	60.2
3.5	85°	4.7	11.8	15.3	28.3	23.6	42.5	36.6	35.4	23.6
2.4	87.5°	3.5	5.9	10.6	13.0	9.4	9.4	11.8	14.2	11.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
3463.3
3377.2
3400.7
3420.8
3450.3
3510.4
3611.9
3745.2
3891.5
4014.1
4079.0
4004.7
3930.4
3860.8
3787.7
3702.7
3610.7
3511.6
3403.1
3262.7
3076.4
2910.0
2744.9
2322.6
1863.7
1317.6
679.4
404.6
314.9
257.1
192.3
148.6
116.8
43.6
23.6
11.8
0.0

(END OF REPORT)