

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: P636864

Luminaire Tested: **IFLD-S-SA6B-927-U-LAM-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636864
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-927-U-LAM-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/
Lambertian distribution lens and Visor
Light Source: (96) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15575.5 lumens
Efficiency: N/A
Efficacy: 63.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G2

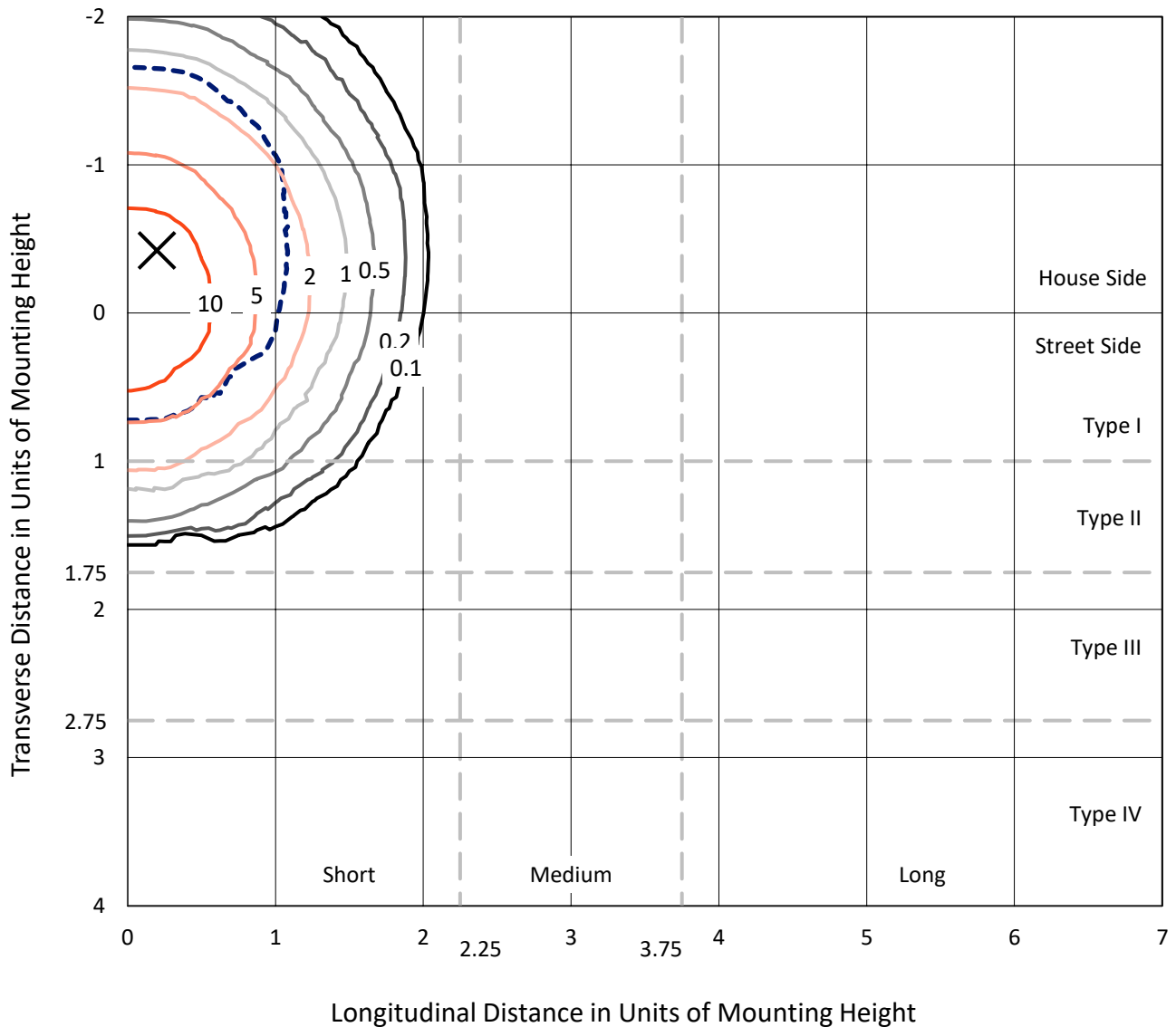
Input Watts (W): 244.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

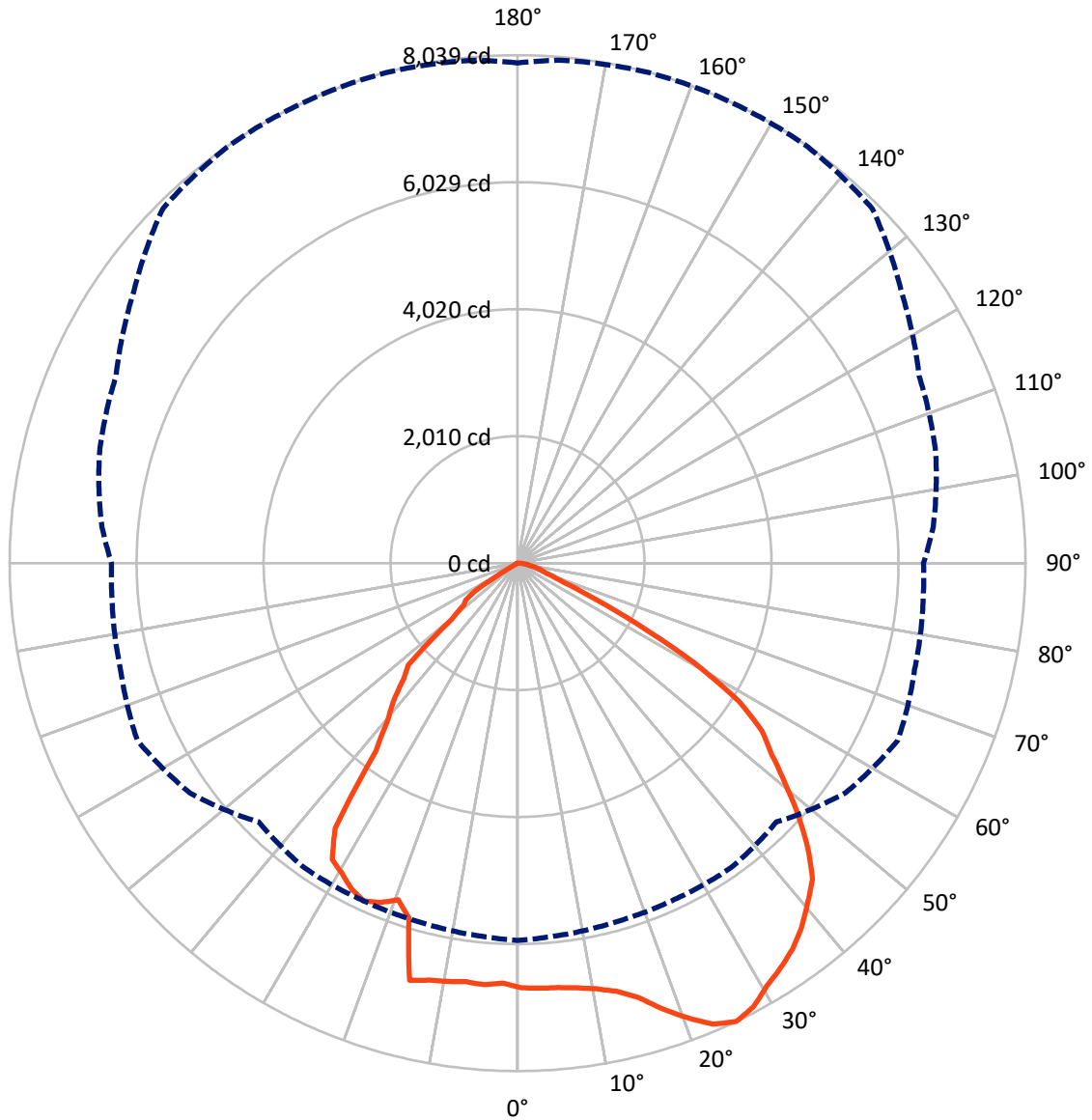
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 16.8 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	9642.9	0.0	9642.9
	% Fixture	61.9	0.0	61.9
Street Side	Lumens	5932.7	0.0	5932.7
	% Fixture	38.1	0.0	38.1
Total	Lumens	15575.5	0.0	15575.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	644.8	4.1
10°-20°	1968.7	12.6
20°-30°	3112.4	20.0
30°-40°	3515.8	22.6
40°-50°	3292.6	21.1
50°-60°	2270.0	14.6
60°-70°	609.9	3.9
70°-80°	127.1	0.8
80°-90°	34.4	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°	15575.5	100.0
0°-180°	15575.5	100.0



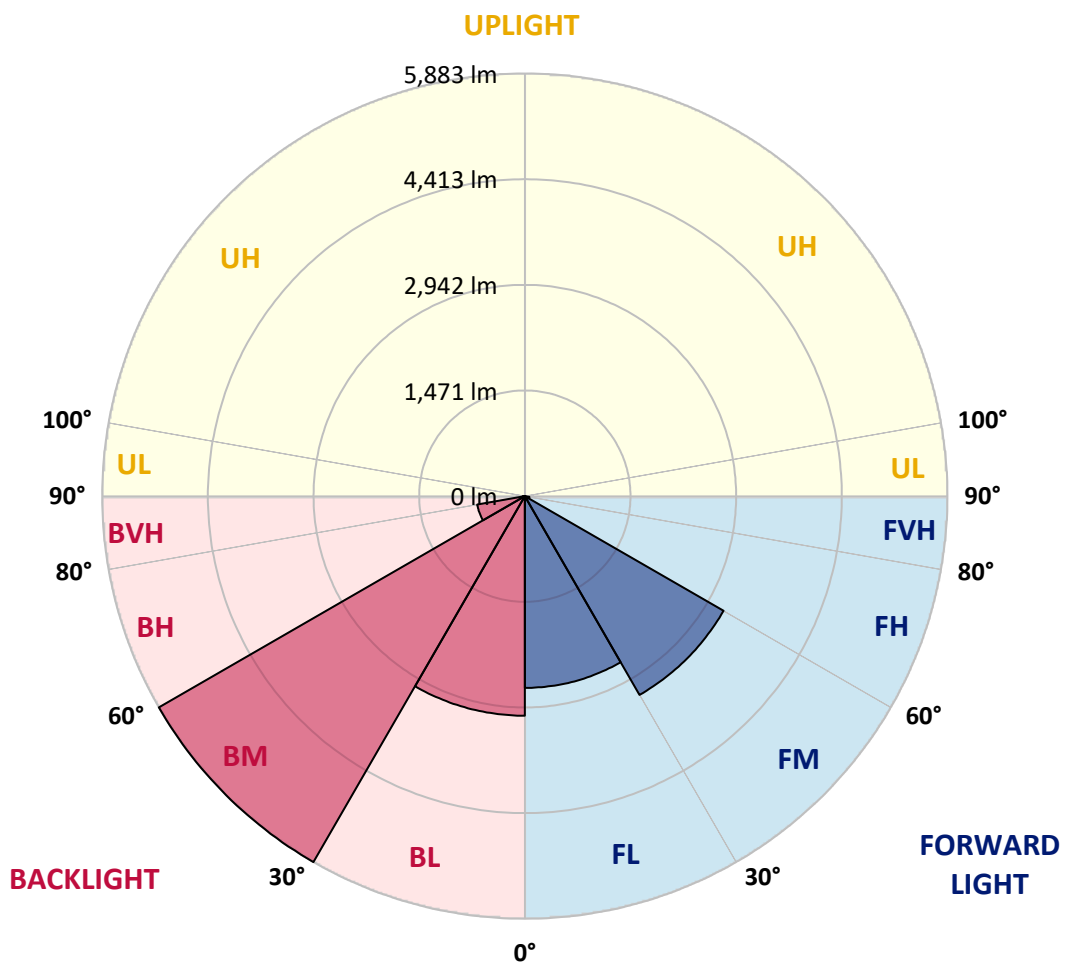
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2669.2	17.1			
FM (30°-60°)	3194.9	20.5			
FH (60°-80°)	64.0	0.4			G0/660
FVH (80°-90°)	4.6	0.0			G0/10
BL (0°-30°)	3056.7	19.6	B4/5000		
BM (30°-60°)	5883.4	37.8	B4/8500		
BH (60°-80°)	672.9	4.3	B2/1000		G2/1000
BVH (80°-90°)	29.8	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-G2

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6720.6	6720.6	6720.6	6720.6	6720.6	6720.6	6720.6	6720.6	6720.6	6720.6
2.5°	6750.3	6706.8	6665.6	6651.9	6709.1	6770.9	6732.0	6734.3	6720.6	6745.8
5°	6800.7	6741.2	6713.7	6693.1	6702.3	6766.4	6711.4	6732.0	6709.1	6738.9
7.5°	6782.4	6741.2	6713.7	6674.8	6704.6	6780.1	6727.4	6729.7	6718.3	6745.8
10°	6770.9	6741.2	6706.8	6711.4	6745.8	6809.8	6768.6	6791.5	6775.5	6791.5
12.5°	6798.4	6766.4	6748.0	6748.0	6777.8	6851.0	6830.4	6851.0	6844.2	6857.9
15°	6539.7	6569.5	6743.5	6821.3	6880.8	6954.1	6944.9	6965.5	6970.1	6990.7
17.5°	5516.5	5486.8	5473.1	5873.6	6938.0	7164.6	7157.8	7155.5	7132.6	7116.6
20°	5651.6	5640.2	5624.1	5653.9	5772.9	7274.5	7320.3	7038.7	6956.3	6949.5
22.5°	5866.8	5848.5	5788.9	5791.2	5827.9	6324.6	7093.7	6837.3	6809.8	6793.8
25°	5972.1	5935.4	5887.4	5873.6	5885.1	5793.5	6336.0	6640.5	6505.4	6443.6
27.5°	5786.7	5788.9	5750.0	5786.7	5743.2	5331.1	5099.9	6255.9	6251.3	6223.9
30°	5647.0	5640.2	5594.4	5640.2	5340.3	4880.2	4781.8	5834.7	5786.7	5750.0
32.5°	5219.0	5223.6	5356.3	5534.9	5042.7	4678.8	4381.2	5212.1	5667.6	5647.0
35°	3733.4	3742.6	4214.1	5095.4	4591.8	4278.2	4255.3	4504.8	5479.9	5489.1
37.5°	3593.8	3593.8	3582.3	3726.5	4237.0	4115.7	4161.4	4136.3	5019.8	5042.7
40°	3493.1	3472.4	3456.4	3229.8	2946.0	4001.2	4033.3	3918.8	4745.1	4749.7
42.5°	3371.7	3348.8	3353.4	2934.5	2637.0	3717.4	3628.1	3474.7	4287.3	4291.9
45°	3149.7	3188.6	3216.1	2568.3	2545.4	2655.3	3346.6	3250.4	3978.3	4063.0
47.5°	1602.3	1636.7	2511.1	2362.3	2414.9	2360.0	2826.9	2829.2	3309.9	3591.5
50°	1453.5	1444.4	1446.7	1378.0	2229.5	1909.0	2044.1	2593.5	2650.7	3053.6
52.5°	1355.1	1352.8	1213.2	1078.1	1400.9	1680.1	1483.3	1877.0	1970.8	2586.6
55°	1002.6	1075.8	956.8	1014.0	876.7	1345.9	1339.1	1693.9	1725.9	2073.9
57.5°	9.2	11.4	27.5	771.4	606.6	673.0	924.8	1156.0	1213.2	1616.1
60°	2.3	4.6	11.4	22.9	393.7	414.3	618.0	668.4	753.1	963.7
62.5°	0.0	0.0	4.6	11.4	20.6	169.4	196.9	215.2	331.9	492.1
65°	0.0	0.0	2.3	6.9	11.4	27.5	48.1	100.7	144.2	178.5
67.5°	0.0	0.0	2.3	4.6	9.2	13.7	27.5	38.9	61.8	105.3
70°	0.0	0.0	2.3	4.6	6.9	11.4	18.3	27.5	36.6	52.6
72.5°	0.0	0.0	2.3	4.6	4.6	13.7	13.7	20.6	27.5	34.3
75°	0.0	0.0	2.3	2.3	4.6	9.2	13.7	16.0	18.3	27.5
77.5°	0.0	0.0	2.3	4.6	6.9	9.2	11.4	18.3	16.0	16.0
80°	0.0	0.0	2.3	6.9	6.9	11.4	13.7	18.3	11.4	11.4
82.5°	0.0	0.0	2.3	9.2	6.9	22.9	22.9	25.2	9.2	9.2
85°	0.0	0.0	6.9	4.6	13.7	22.9	20.6	13.7	11.4	6.9
87.5°	0.0	0.0	2.3	2.3	4.6	6.9	16.0	13.7	4.6	4.6
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°
6720.6	0°	6720.6	6720.6	6720.6	6720.6	6720.6	6720.6	6720.6	6720.6	6720.6
6679.4	2.5°	6770.9	6741.2	6803.0	6796.1	6766.4	6752.6	6736.6	6722.9	6622.1
6683.9	5°	6773.2	6727.4	6803.0	6789.2	6784.7	6761.8	6748.0	6768.6	6677.1
6702.3	7.5°	6773.2	6727.4	6809.8	6814.4	6807.6	6789.2	6787.0	6800.7	6725.2
6734.3	10°	6819.0	6800.7	6869.4	6876.2	6867.1	6862.5	6851.0	6841.9	6761.8
6844.2	12.5°	6915.1	6878.5	6956.3	6976.9	6970.1	6981.5	6954.1	6967.8	6885.4
6956.3	15°	7031.9	7034.2	7093.7	7139.5	7134.9	7171.5	7130.3	7166.9	7107.4
7084.5	17.5°	7210.4	7235.6	7320.3	7389.0	7414.1	7441.6	7414.1	7425.6	7340.9
6942.6	20°	7022.7	7116.6	7524.0	7649.9	7702.6	7727.7	7682.0	7695.7	7611.0
6768.6	22.5°	6853.3	6974.7	7336.3	7730.0	7892.6	7942.9	7926.9	7924.6	7892.6
6425.3	25°	6603.8	6848.8	7011.3	7427.9	7938.3	8029.9	8039.1	8036.8	7988.7
6214.7	27.5°	6297.1	6352.0	6773.2	7027.3	7617.9	7965.8	7952.1	7885.7	7821.6
5777.5	30°	5905.7	6155.2	6345.2	6750.3	7203.6	7768.9	7768.9	7718.6	7652.2
5621.8	32.5°	5706.5	6029.3	6205.5	6352.0	6738.9	7549.2	7640.8	7588.1	7535.5
5500.5	35°	5601.2	5649.3	6061.3	6194.1	6521.4	7125.7	7496.6	7443.9	7405.0
5177.8	37.5°	5370.0	5482.2	5674.5	6029.3	6130.0	6780.1	7304.3	7276.8	7231.0
4758.9	40°	4855.0	5154.9	5450.2	5786.7	5891.9	6336.0	7070.8	7082.2	7020.4
4312.5	42.5°	4550.6	4754.3	5216.7	5443.3	5727.1	6049.9	6844.2	6862.5	6819.0
4085.9	45°	4193.5	4420.1	4745.1	5157.2	5544.0	5656.2	6443.6	6635.9	6599.3
3635.0	47.5°	3866.2	4049.3	4447.6	4864.2	5292.2	5276.2	5983.5	6345.2	6294.8
3289.3	50°	3401.5	3722.0	3909.7	4291.9	4930.6	4974.0	5493.7	6004.1	5962.9
2794.9	52.5°	2868.1	3271.0	3630.4	3980.6	4564.3	4667.3	5038.1	5656.2	5628.7
2135.7	55°	2506.5	2799.5	3204.6	3486.2	4120.2	4394.9	4697.1	5324.3	5310.5
1755.7	57.5°	1783.1	2348.5	2682.7	3076.4	3410.6	3907.4	4131.7	4649.0	4520.8
972.8	60°	1208.6	1474.1	1881.6	2305.0	2529.4	3026.1	3234.4	3648.7	3614.4
581.4	62.5°	638.6	883.6	1174.3	1387.1	1549.7	2032.7	2119.6	2566.0	2554.6
233.5	65°	281.5	373.1	636.3	746.2	913.3	1137.6	1213.2	1373.4	1334.5
114.5	67.5°	146.5	222.0	359.4	441.8	556.2	640.9	702.7	753.1	785.1
75.5	70°	89.3	162.5	222.0	306.7	382.3	450.9	499.0	567.7	608.9
38.9	72.5°	66.4	103.0	153.4	235.8	277.0	357.1	405.2	455.5	492.1
32.0	75°	36.6	68.7	123.6	185.4	222.0	290.7	334.2	368.5	380.0
18.3	77.5°	22.9	52.6	103.0	144.2	174.0	235.8	224.3	256.4	283.8
13.7	80°	16.0	38.9	80.1	119.0	121.3	151.1	178.5	206.0	224.3
9.2	82.5°	11.4	32.0	59.5	91.6	80.1	116.7	139.6	160.2	116.7
6.9	85°	9.2	22.9	29.8	54.9	45.8	82.4	71.0	68.7	45.8
4.6	87.5°	6.9	11.4	20.6	25.2	18.3	18.3	22.9	27.5	22.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
6720.6
6553.5
6599.3
6638.2
6695.4
6812.1
7009.0
7267.7
7551.5
7789.5
7915.4
7771.2
7627.0
7492.0
7350.1
7185.2
7006.7
6814.4
6603.8
6331.4
5969.8
5647.0
5326.6
4507.1
3616.7
2556.8
1318.5
785.1
611.2
499.0
373.1
288.4
226.6
84.7
45.8
22.9
0.0

(END OF REPORT)