

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: P638402

Luminaire Tested: **IFLD-S-SA6C-735-U-LAM-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P638402
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-735-U-LAM-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/
Lambertian distribution lens and Visor
Light Source: (96) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30205.6 lumens
Efficiency: N/A
Efficacy: 94.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G3

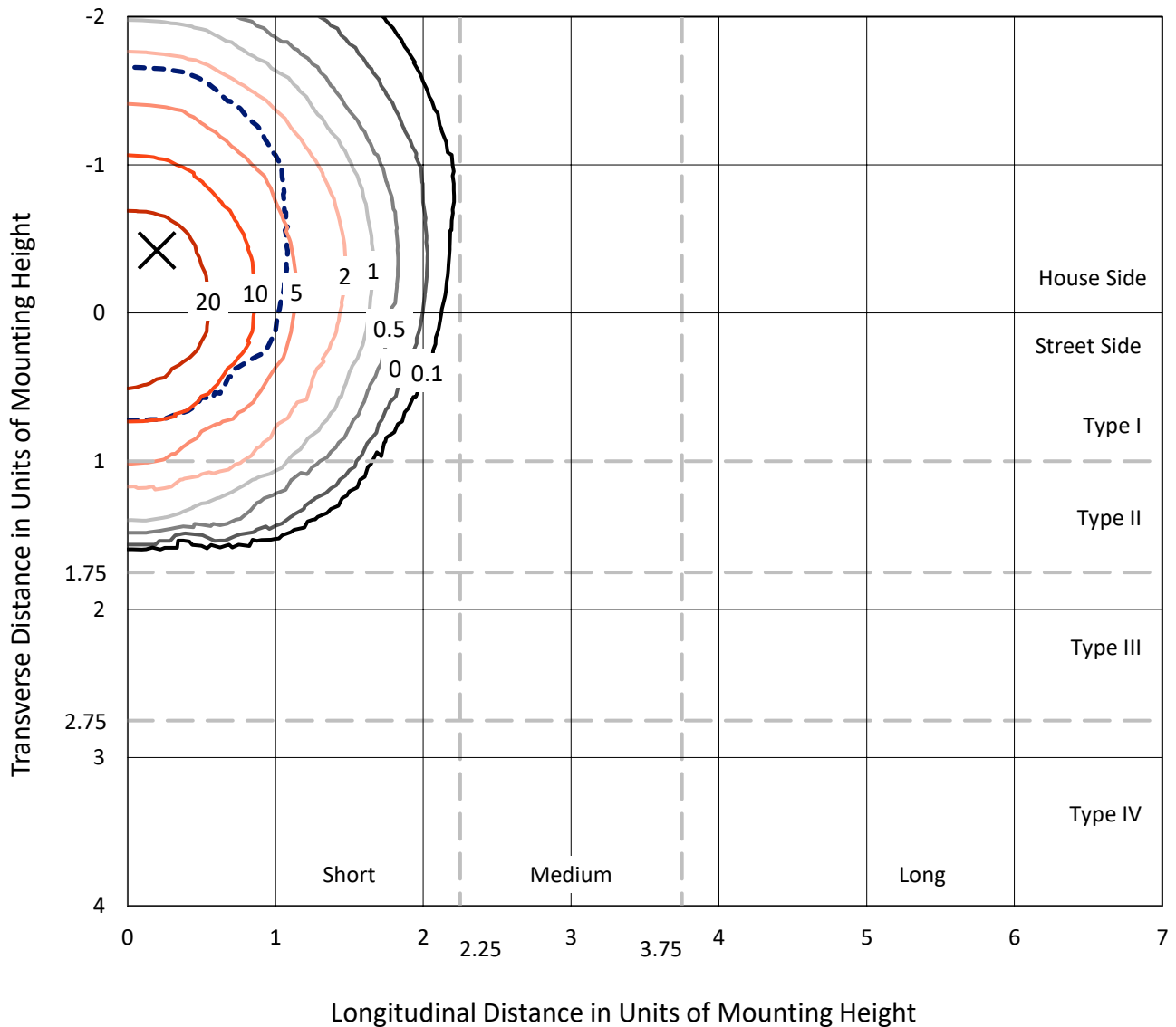
Input Watts (W): 321.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

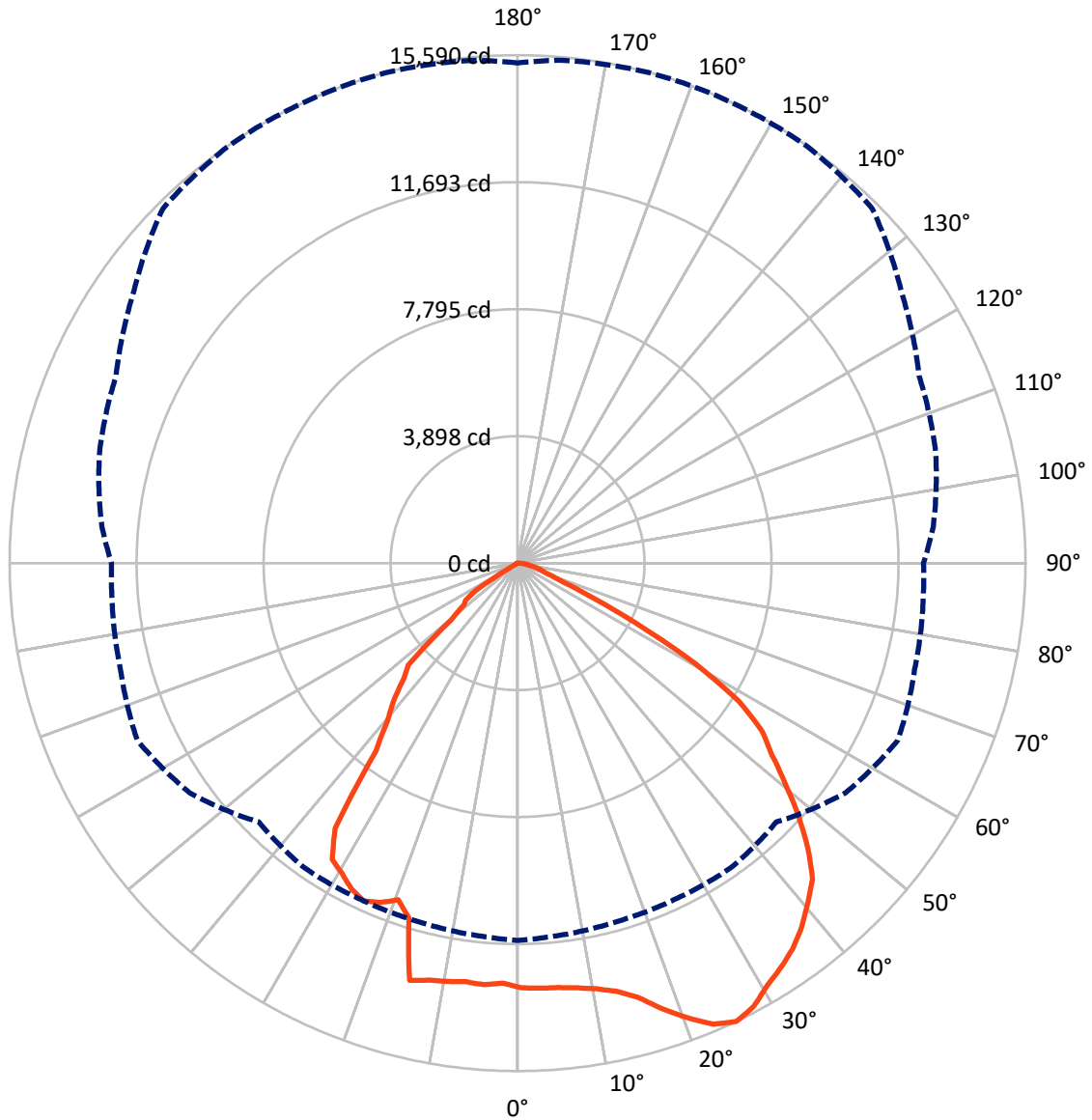
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 32.6 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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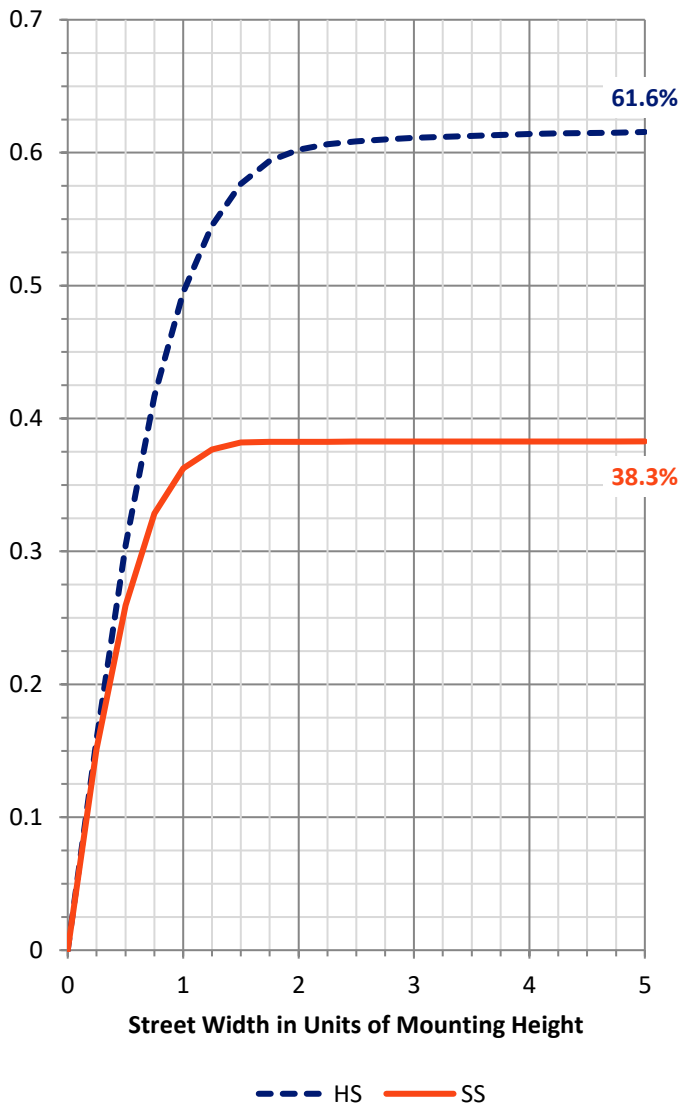
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18700.4	0.0	18700.4
	% Fixture	61.9	0.0	61.9
Street Side	Lumens	11505.2	0.0	11505.2
	% Fixture	38.1	0.0	38.1
Total	Lumens	30205.6	0.0	30205.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1250.4	4.1
10°-20°	3817.9	12.6
20°-30°	6035.9	20.0
30°-40°	6818.1	22.6
40°-50°	6385.3	21.1
50°-60°	4402.2	14.6
60°-70°	1182.7	3.9
70°-80°	246.5	0.8
80°-90°	66.7	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°	30205.6	100.0
0°-180°	30205.6	100.0



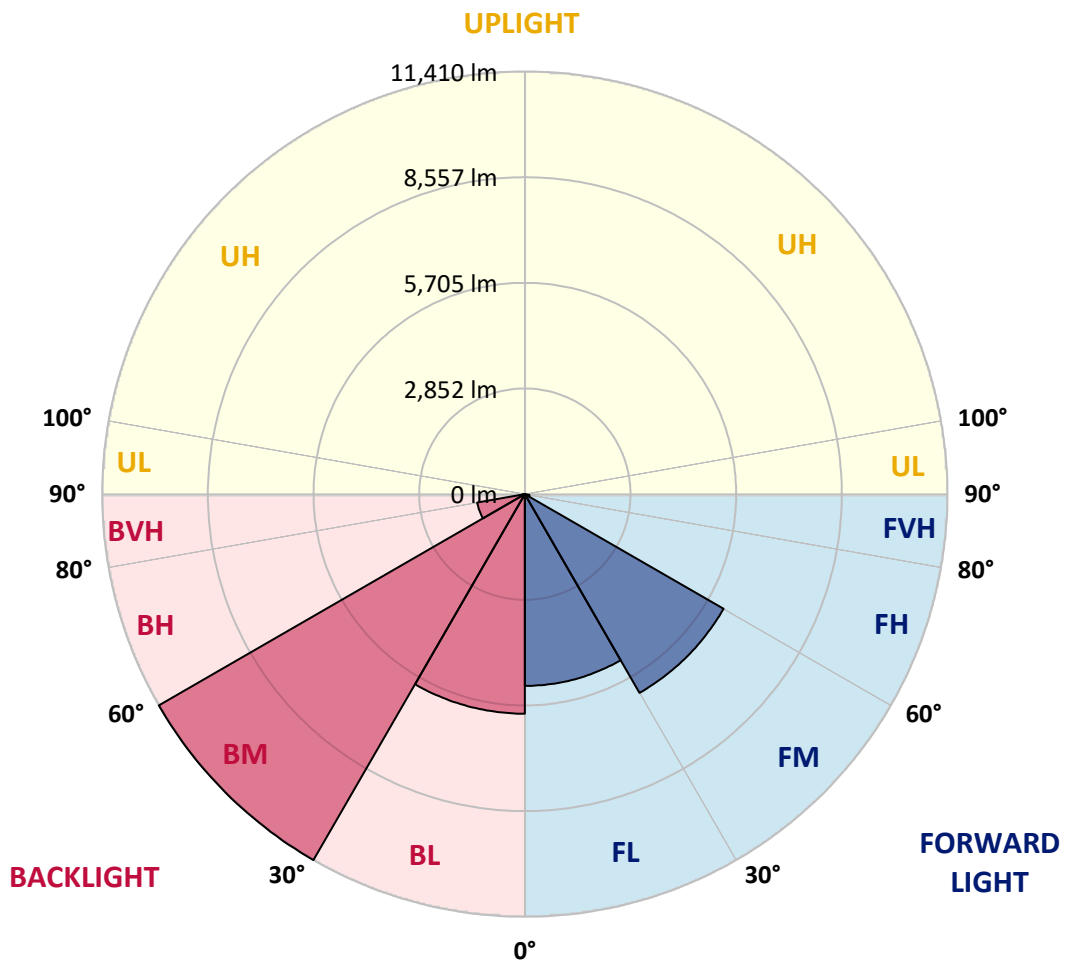
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5176.3	17.1			
FM (30°-60°)	6195.9	20.5			
FH (60°-80°)	124.2	0.4			G0/660
FVH (80°-90°)	8.9	0.0			G0/10
BL (0°-30°)	5927.9	19.6	B5		
BM (30°-60°)	11409.7	37.8	B5		
BH (60°-80°)	1305.0	4.3	B3/2500		G3/2500
BVH (80°-90°)	57.7	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	13033.2	13033.2	13033.2	13033.2	13033.2	13033.2	13033.2	13033.2	13033.2	13033.2
2.5°	13090.9	13006.6	12926.7	12900.0	13011.0	13130.9	13055.4	13059.8	13033.2	13082.0
5°	13188.6	13073.2	13019.9	12979.9	12997.7	13122.0	13015.4	13055.4	13011.0	13068.7
7.5°	13153.1	13073.2	13019.9	12944.4	13002.1	13148.6	13046.5	13051.0	13028.8	13082.0
10°	13130.9	13073.2	13006.6	13015.4	13082.0	13206.3	13126.4	13170.8	13139.7	13170.8
12.5°	13184.1	13122.0	13086.5	13086.5	13144.2	13286.2	13246.3	13286.2	13272.9	13299.5
15°	12682.5	12740.2	13077.6	13228.5	13343.9	13486.0	13468.2	13508.2	13517.1	13557.0
17.5°	10698.2	10640.5	10613.9	11390.7	13454.9	13894.4	13881.1	13876.6	13832.2	13801.2
20°	10960.1	10937.9	10906.9	10964.6	11195.4	14107.5	14196.2	13650.2	13490.4	13477.1
22.5°	11377.4	11341.9	11226.5	11230.9	11301.9	12265.2	13756.8	13259.6	13206.3	13175.2
25°	11581.6	11510.6	11417.4	11390.7	11412.9	11235.4	12287.4	12877.8	12615.9	12496.1
27.5°	11222.0	11226.5	11151.0	11222.0	11137.7	10338.7	9890.3	12132.1	12123.2	12069.9
30°	10951.3	10937.9	10849.2	10937.9	10356.4	9464.2	9273.3	11315.3	11222.0	11151.0
32.5°	10121.1	10130.0	10387.5	10733.7	9779.3	9073.5	8496.4	10107.8	10991.2	10951.3
35°	7240.2	7257.9	8172.4	9881.4	8904.8	8296.7	8252.3	8736.1	10627.2	10645.0
37.5°	6969.4	6969.4	6947.2	7226.9	8216.8	7981.5	8070.3	8021.5	9734.9	9779.3
40°	6774.1	6734.1	6703.0	6263.6	5713.1	7759.5	7821.7	7599.7	9202.3	9211.1
42.5°	6538.8	6494.4	6503.3	5690.9	5113.8	7209.1	7036.0	6738.6	8314.4	8323.3
45°	6108.2	6183.7	6236.9	4980.7	4936.3	5149.4	6490.0	6303.5	7715.2	7879.4
47.5°	3107.4	3174.0	4869.7	4581.2	4683.3	4576.7	5482.3	5486.7	6418.9	6964.9
50°	2818.8	2801.1	2805.5	2672.3	4323.7	3702.2	3964.1	5029.5	5140.5	5921.8
52.5°	2627.9	2623.5	2352.7	2090.8	2716.7	3258.3	2876.5	3640.1	3822.1	5016.2
55°	1944.3	2086.4	1855.5	1966.5	1700.2	2610.2	2596.9	3284.9	3347.1	4021.8
57.5°	17.8	22.2	53.3	1496.0	1176.4	1305.1	1793.4	2241.7	2352.7	3134.0
60°	4.4	8.9	22.2	44.4	763.5	803.5	1198.6	1296.2	1460.5	1868.9
62.5°	0.0	0.0	8.9	22.2	40.0	328.5	381.8	417.3	643.7	954.4
65°	0.0	0.0	4.4	13.3	22.2	53.3	93.2	195.3	279.7	346.2
67.5°	0.0	0.0	4.4	8.9	17.8	26.6	53.3	75.5	119.9	204.2
70°	0.0	0.0	4.4	8.9	13.3	22.2	35.5	53.3	71.0	102.1
72.5°	0.0	0.0	4.4	8.9	8.9	26.6	26.6	40.0	53.3	66.6
75°	0.0	0.0	4.4	4.4	8.9	17.8	26.6	31.1	35.5	53.3
77.5°	0.0	0.0	4.4	8.9	13.3	17.8	22.2	35.5	31.1	31.1
80°	0.0	0.0	4.4	13.3	13.3	22.2	26.6	35.5	22.2	22.2
82.5°	0.0	0.0	4.4	17.8	13.3	44.4	44.4	48.8	17.8	17.8
85°	0.0	0.0	13.3	8.9	26.6	44.4	40.0	26.6	22.2	13.3
87.5°	0.0	0.0	4.4	4.4	8.9	13.3	31.1	26.6	8.9	8.9
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°
13033.2	0°	13033.2	13033.2	13033.2	13033.2	13033.2	13033.2	13033.2	13033.2	13033.2
12953.3	2.5°	13130.9	13073.2	13193.0	13179.7	13122.0	13095.3	13064.3	13037.6	12842.3
12962.2	5°	13135.3	13046.5	13193.0	13166.4	13157.5	13113.1	13086.5	13126.4	12948.9
12997.7	7.5°	13135.3	13046.5	13206.3	13215.2	13201.9	13166.4	13161.9	13188.6	13042.1
13059.8	10°	13224.1	13188.6	13321.7	13335.1	13317.3	13308.4	13286.2	13268.5	13113.1
13272.9	12.5°	13410.5	13339.5	13490.4	13530.4	13517.1	13539.3	13486.0	13512.6	13352.8
13490.4	15°	13636.9	13641.4	13756.8	13845.6	13836.7	13907.7	13827.8	13898.8	13783.4
13739.0	17.5°	13983.2	14032.0	14196.2	14329.4	14378.2	14431.5	14378.2	14400.4	14236.2
13463.8	20°	13619.2	13801.2	14591.3	14835.5	14937.6	14986.4	14897.6	14924.3	14760.0
13126.4	22.5°	13290.7	13525.9	14227.3	14990.8	15306.0	15403.7	15372.6	15368.2	15306.0
12460.6	25°	12806.8	13281.8	13597.0	14404.9	15394.8	15572.4	15590.1	15585.7	15492.5
12052.2	27.5°	12212.0	12318.5	13135.3	13628.0	14773.3	15448.1	15421.4	15292.7	15168.4
11204.3	30°	11452.9	11936.7	12305.2	13090.9	13969.8	15066.3	15066.3	14968.6	14839.9
10902.4	32.5°	11066.7	11692.6	12034.4	12318.5	13068.7	14640.2	14817.7	14715.6	14613.5
10667.2	35°	10862.5	10955.7	11754.7	12012.2	12647.0	13818.9	14538.1	14436.0	14360.5
10041.2	37.5°	10414.1	10631.6	11004.5	11692.6	11887.9	13148.6	14165.2	14111.9	14023.1
9228.9	40°	9415.3	9996.9	10569.5	11222.0	11426.2	12287.4	13712.4	13734.6	13614.7
8363.3	42.5°	8824.9	9220.0	10116.7	10556.2	11106.6	11732.5	13272.9	13308.4	13224.1
7923.8	45°	8132.4	8571.9	9202.3	10001.3	10751.5	10969.0	12496.1	12869.0	12797.9
7049.3	47.5°	7497.6	7852.8	8625.2	9433.1	10263.2	10232.1	11603.8	12305.2	12207.5
6379.0	50°	6596.5	7218.0	7582.0	8323.3	9561.8	9646.2	10653.8	11643.8	11563.9
5420.1	52.5°	5562.2	6343.5	7040.4	7719.6	8851.6	9051.3	9770.5	10969.0	10915.7
4141.7	55°	4860.8	5429.0	6214.7	6760.7	7990.4	8523.1	9109.0	10325.3	10298.7
3404.8	57.5°	3458.1	4554.5	5202.6	5966.2	6614.3	7577.5	8012.6	9015.8	8767.2
1886.6	60°	2343.8	2858.8	3648.9	4470.2	4905.2	5868.5	6272.4	7075.9	7009.3
1127.5	62.5°	1238.5	1713.5	2277.3	2690.1	3005.3	3941.9	4110.6	4976.2	4954.0
452.8	65°	546.0	723.6	1234.1	1447.1	1771.2	2206.2	2352.7	2663.5	2588.0
222.0	67.5°	284.1	430.6	696.9	856.7	1078.7	1242.9	1362.8	1460.5	1522.6
146.5	70°	173.1	315.2	430.6	594.8	741.3	874.5	967.7	1100.9	1180.8
75.5	72.5°	128.7	199.8	297.4	457.2	537.1	692.5	785.7	883.4	954.4
62.1	75°	71.0	133.2	239.7	359.6	430.6	563.8	648.1	714.7	736.9
35.5	77.5°	44.4	102.1	199.8	279.7	337.4	457.2	435.0	497.2	550.4
26.6	80°	31.1	75.5	155.4	230.8	235.3	293.0	346.2	399.5	435.0
17.8	82.5°	22.2	62.1	115.4	177.6	155.4	226.4	270.8	310.7	226.4
13.3	85°	17.8	44.4	57.7	106.5	88.8	159.8	137.6	133.2	88.8
8.9	87.5°	13.3	22.2	40.0	48.8	35.5	35.5	44.4	53.3	44.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
13033.2
12709.1
12797.9
12873.4
12984.4
13210.8
13592.5
14094.1
14644.6
15106.3
15350.4
15070.7
14791.1
14529.2
14254.0
13934.3
13588.1
13215.2
12806.8
12278.6
11577.2
10951.3
10329.8
8740.6
7013.8
4958.5
2556.9
1522.6
1185.2
967.7
723.6
559.3
439.5
164.2
88.8
44.4
0.0

(END OF REPORT)