

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: P636627

Luminaire Tested: **IFLD-S-SA3B-935-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636627
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3B-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: 8996 lumens
Efficiency: N/A
Efficacy: 73.5 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

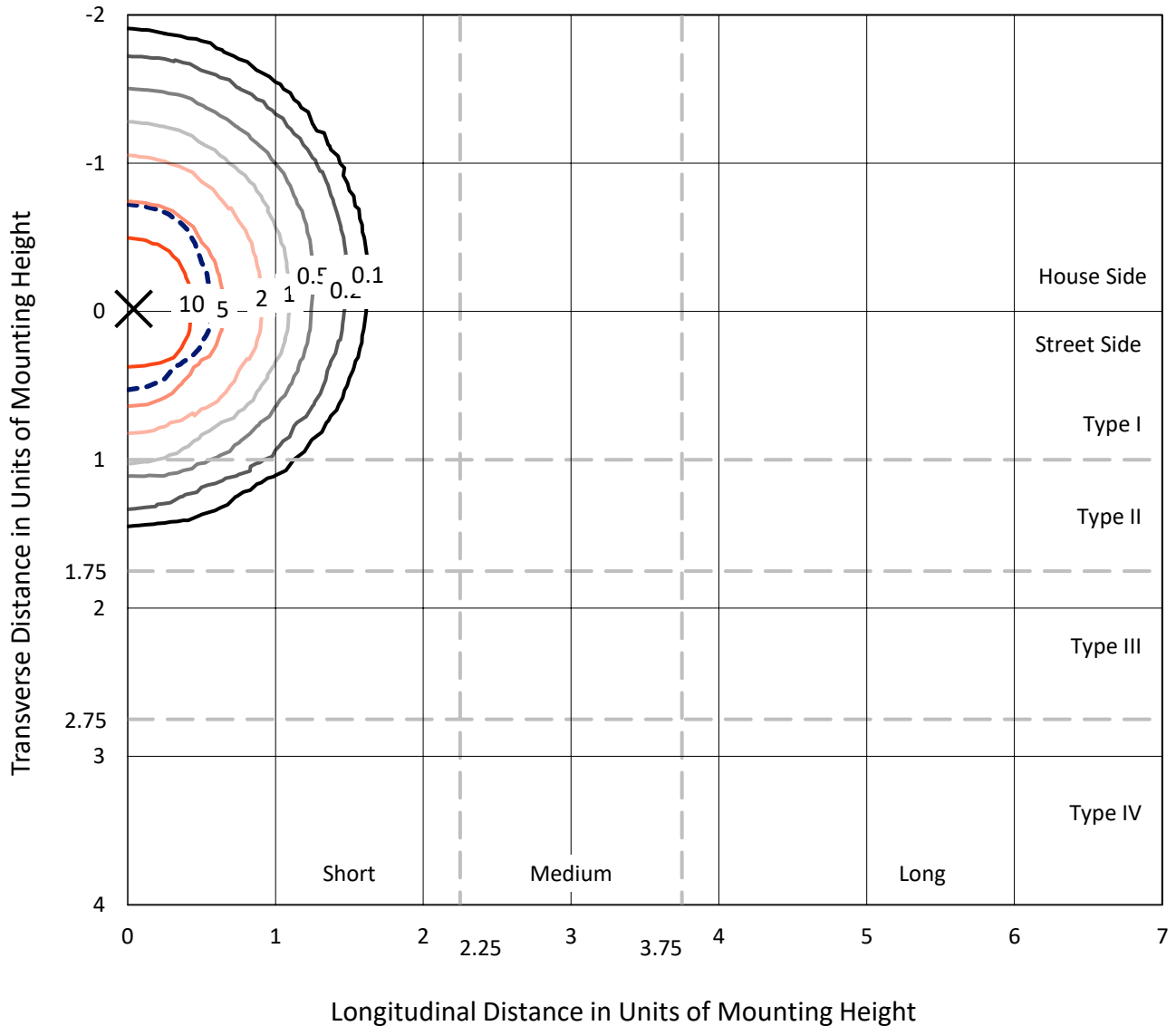
Input Watts (W): 122.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

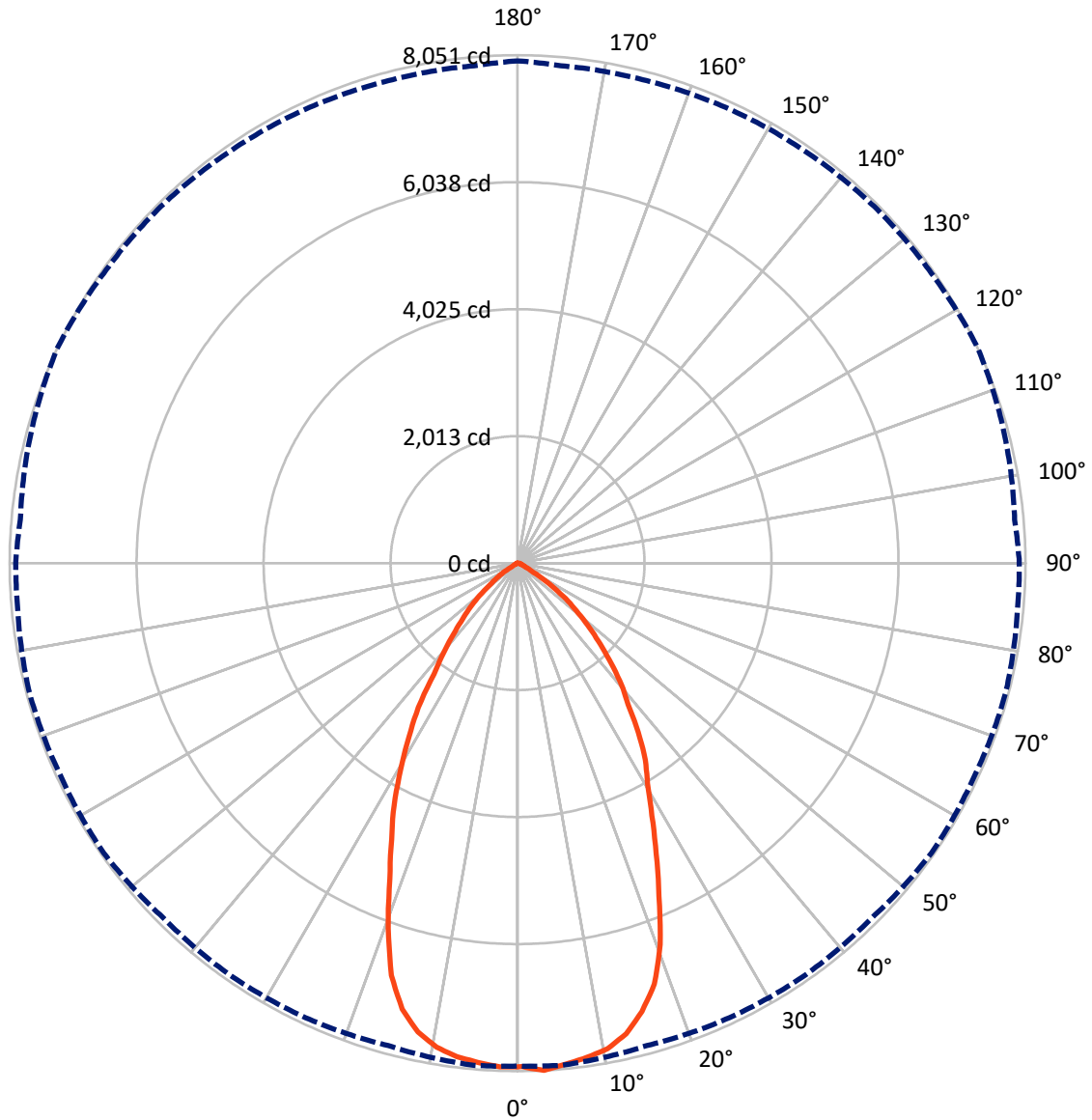
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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

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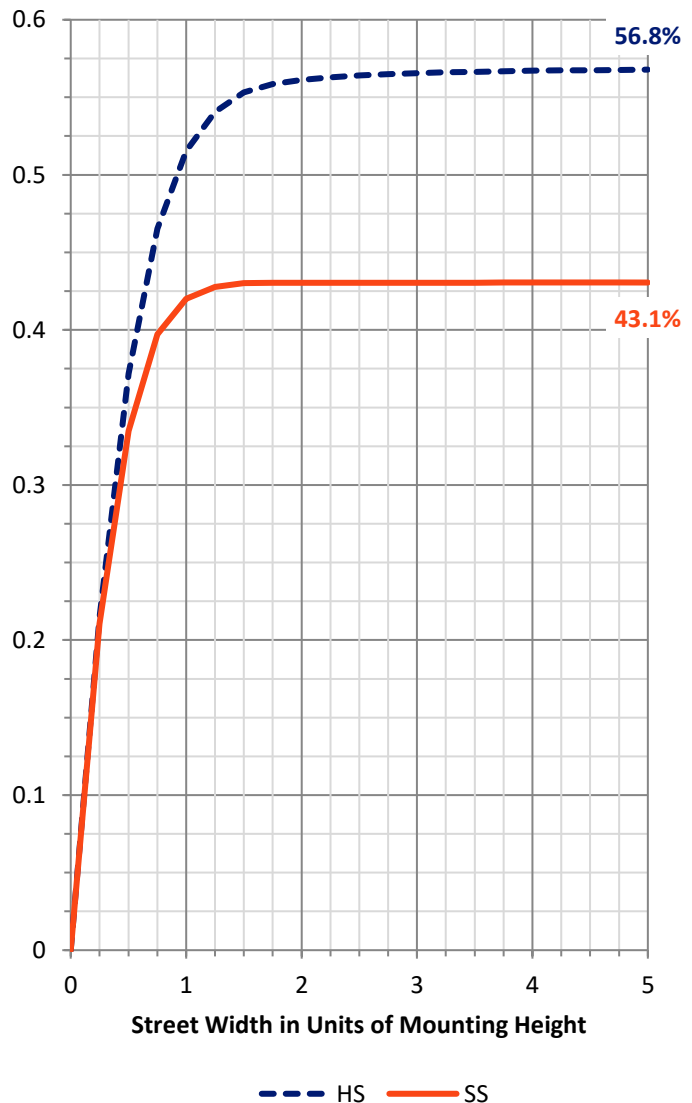
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5148.3	0.0	5148.3
	% Fixture	57.2	0.0	57.2
Street Side	Lumens	3847.7	0.0	3847.7
	% Fixture	42.8	0.0	42.8
Total	Lumens	8996.0	0.0	8996.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	751.8	8.4
10°-20°	1993.3	22.2
20°-30°	2280.0	25.3
30°-40°	1953.9	21.7
40°-50°	1292.0	14.4
50°-60°	563.8	6.3
60°-70°	110.8	1.2
70°-80°	40.0	0.4
80°-90°	10.6	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°	8996.0	100.0
0°-180°	8996.0	100.0



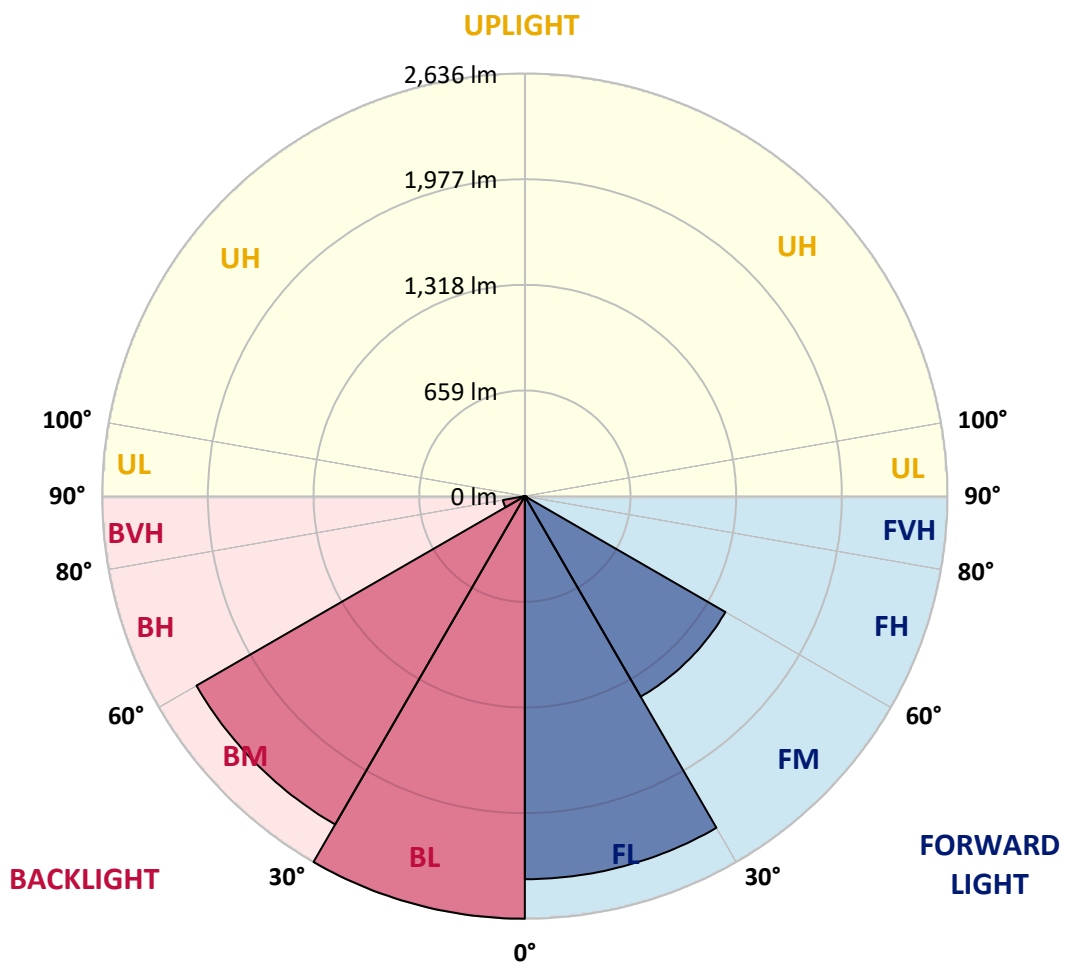
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2389.1	26.6			
FM	(30°-60°)	1444.6	16.1			
FH	(60°-80°)	12.2	0.1			G0/660
FVH	(80°-90°)	1.8	0.0			G0/10
BL	(0°-30°)	2635.9	29.3	B4/5000		
BM	(30°-60°)	2365.0	26.3	B2/2500		
BH	(60°-80°)	138.5	1.5	B1/500		G1/500
BVH	(80°-90°)	8.9	0.1			G0/10
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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7981.7	7981.7	7981.7	7981.7	7981.7	7981.7	7981.7	7981.7	7981.7	7981.7
2.5°	7970.3	7989.4	7916.7	7949.2	7962.6	7945.4	8008.5	7989.4	8004.7	7956.9
5°	7970.3	7989.4	7905.2	7920.5	7924.4	7891.8	7960.7	7937.7	7939.7	7889.9
7.5°	7920.5	7943.5	7867.0	7878.5	7880.4	7853.6	7912.9	7880.4	7868.9	7817.3
10°	7786.7	7800.1	7731.2	7759.9	7786.7	7761.8	7813.4	7777.1	7777.1	7731.2
12.5°	7574.4	7599.3	7522.8	7557.2	7580.2	7551.5	7610.7	7597.4	7599.3	7553.4
15°	7188.1	7102.1	7193.9	7262.7	7264.6	7258.9	7314.4	7301.0	7310.5	7241.7
17.5°	5310.3	5289.3	5396.4	6209.1	6813.3	6895.6	6905.1	6832.5	6800.0	6733.0
20°	4920.2	4935.5	4912.6	4916.4	5392.5	6381.2	6321.9	6142.1	6059.9	5993.0
22.5°	4635.3	4610.4	4595.1	4585.6	4599.0	5243.4	5669.8	5398.3	5354.3	5321.8
25°	4325.5	4314.0	4294.9	4291.1	4283.4	4174.4	4788.3	4813.1	4742.4	4702.2
27.5°	4036.8	4029.1	4008.1	4006.2	3918.2	3654.3	3721.2	4312.1	4293.0	4277.7
30°	3728.9	3713.6	3702.1	3702.1	3436.3	3164.8	3055.8	3759.5	3759.5	3746.1
32.5°	3394.2	3380.9	3384.7	3338.8	3021.4	2772.8	2600.7	3245.1	3445.9	3434.4
35°	2074.8	2071.0	2459.2	2969.7	2596.8	2371.2	2359.7	2776.6	3069.2	3099.8
37.5°	1847.2	1835.8	1841.5	1874.0	2223.9	2134.1	2130.2	2201.0	2612.1	2627.4
40°	1657.9	1650.3	1644.5	1527.9	1417.0	1904.6	1891.2	1845.3	2231.6	2258.4
42.5°	1478.2	1470.5	1470.5	1306.1	1126.3	1566.1	1571.9	1518.3	1881.7	1891.2
45°	1292.7	1286.9	1254.4	1042.2	990.5	1040.3	1302.2	1241.0	1493.5	1592.9
47.5°	610.0	606.2	877.7	866.2	862.4	831.8	994.4	1028.8	1185.6	1285.0
50°	489.5	485.7	462.8	407.3	709.4	631.0	717.1	791.7	841.4	933.2
52.5°	405.4	401.6	353.8	313.6	393.9	460.9	428.3	529.7	527.8	627.2
55°	265.8	246.7	271.5	256.2	206.5	334.6	327.0	401.6	392.0	478.1
57.5°	5.7	5.7	13.4	145.3	130.0	141.5	187.4	229.5	258.2	283.0
60°	1.9	1.9	3.8	7.6	53.5	59.3	72.7	84.1	118.6	147.2
62.5°	0.0	0.0	1.9	3.8	7.6	30.6	34.4	40.2	55.5	76.5
65°	0.0	0.0	0.0	1.9	3.8	7.6	11.5	24.9	34.4	44.0
67.5°	0.0	0.0	0.0	1.9	1.9	3.8	7.6	11.5	15.3	30.6
70°	0.0	0.0	0.0	1.9	1.9	3.8	5.7	7.6	11.5	15.3
72.5°	0.0	0.0	0.0	1.9	1.9	5.7	3.8	5.7	7.6	9.6
75°	0.0	0.0	0.0	1.9	1.9	1.9	3.8	5.7	5.7	7.6
77.5°	0.0	0.0	0.0	1.9	3.8	3.8	3.8	3.8	3.8	5.7
80°	0.0	0.0	0.0	1.9	1.9	3.8	5.7	7.6	3.8	3.8
82.5°	0.0	0.0	0.0	3.8	1.9	7.6	11.5	9.6	3.8	1.9
85°	0.0	0.0	0.0	1.9	7.6	9.6	9.6	5.7	1.9	1.9
87.5°	0.0	0.0	0.0	1.9	1.9	3.8	5.7	5.7	1.9	1.9
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°
7981.7	0°	7981.7	7981.7	7981.7	7981.7	7981.7	7981.7	7981.7	7981.7	7981.7
7953.0	2.5°	7909.1	7983.6	8050.6	8008.5	7993.2	7962.6	7939.7	7914.8	7912.9
7884.2	5°	7840.2	7911.0	7976.0	7926.3	7930.1	7914.8	7899.5	7893.8	7897.6
7813.4	7.5°	7780.9	7840.2	7911.0	7868.9	7880.4	7870.8	7863.2	7851.7	7868.9
7721.7	10°	7691.1	7744.6	7826.8	7786.7	7780.9	7771.4	7763.7	7742.7	7752.3
7555.3	12.5°	7494.1	7561.0	7654.7	7608.8	7624.1	7597.4	7585.9	7572.5	7574.4
7266.5	15°	7226.4	7278.0	7373.6	7337.3	7348.8	7331.6	7331.6	7331.6	7344.9
6742.6	17.5°	6759.8	6865.0	7016.0	6970.1	6987.4	6991.2	6987.4	7000.7	7018.0
5996.8	20°	6000.6	6180.4	6455.8	6545.6	6582.0	6583.9	6557.1	6589.6	6624.0
5298.8	22.5°	5302.7	5492.0	5734.8	5981.5	6134.5	6126.8	6130.7	6151.7	6188.0
4677.4	25°	4698.4	4880.1	5100.0	5319.9	5654.5	5723.4	5725.3	5744.4	5773.1
4252.8	27.5°	4262.4	4333.2	4533.9	4755.8	5115.3	5335.2	5323.7	5340.9	5371.5
3721.2	30°	3736.5	4008.1	4054.0	4189.7	4499.5	4903.0	4904.9	4924.0	4954.6
3407.6	32.5°	3398.1	3577.8	3719.3	3723.1	3987.0	4402.0	4484.2	4503.3	4524.4
3082.5	35°	3080.6	3101.7	3292.9	3346.4	3499.4	3910.5	4055.9	4067.4	4101.8
2621.7	37.5°	2665.7	2790.0	2843.5	3034.7	3042.4	3375.1	3663.9	3652.4	3679.2
2256.5	40°	2285.1	2403.7	2539.5	2679.1	2698.2	2946.8	3266.1	3277.6	3289.1
1872.1	42.5°	1887.4	2038.5	2178.1	2271.8	2401.8	2545.2	2849.3	2902.8	2929.6
1604.4	45°	1633.1	1675.1	1841.5	1979.2	2111.1	2178.1	2463.0	2560.5	2577.7
1269.7	47.5°	1286.9	1428.4	1541.3	1657.9	1822.4	1881.7	2088.2	2223.9	2237.3
942.7	50°	994.4	1095.7	1250.6	1355.8	1547.0	1579.5	1721.0	1897.0	1914.2
631.0	52.5°	711.4	849.0	1000.1	1101.5	1285.0	1327.1	1432.3	1600.6	1612.0
483.8	55°	510.6	600.4	724.7	870.1	1003.9	1097.6	1170.3	1330.9	1346.2
317.4	57.5°	348.0	432.2	483.8	629.1	709.4	810.8	870.1	992.5	1003.9
151.1	60°	166.4	206.5	246.7	319.3	371.0	457.0	495.3	545.0	558.4
91.8	62.5°	107.1	126.2	160.6	191.2	240.9	294.5	309.8	351.9	367.2
57.4	65°	70.8	89.9	126.2	133.9	183.6	225.6	244.8	275.4	292.6
34.4	67.5°	40.2	63.1	93.7	110.9	145.3	185.5	206.5	233.3	248.6
22.9	70°	26.8	51.6	74.6	91.8	114.7	149.2	175.9	198.9	208.4
11.5	72.5°	15.3	32.5	51.6	72.7	91.8	124.3	149.2	168.3	110.9
7.6	75°	9.6	24.9	44.0	61.2	76.5	99.4	120.5	118.6	49.7
5.7	77.5°	7.6	19.1	38.2	51.6	63.1	68.8	86.1	97.5	38.2
3.8	80°	5.7	15.3	34.4	44.0	24.9	49.7	66.9	72.7	26.8
3.8	82.5°	3.8	9.6	28.7	30.6	17.2	36.3	53.5	47.8	19.1
1.9	85°	1.9	5.7	9.6	17.2	15.3	17.2	13.4	19.1	13.4
1.9	87.5°	1.9	3.8	7.6	7.6	7.6	5.7	7.6	7.6	7.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
7981.7
7958.8
7945.4
7916.7
7798.1
7629.9
7350.7
7075.3
6647.0
6193.8
5822.8
5400.2
5008.2
4572.2
4138.1
3711.7
3325.4
2967.8
2619.8
2269.8
1939.0
1633.1
1359.6
1026.9
573.7
371.0
292.6
246.7
206.5
89.9
49.7
38.2
28.7
19.1
13.4
7.6
0.0

(END OF REPORT)