

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: P637903

Luminaire Tested: **IFLD-S-SA3B-740-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637903
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3B-740-U-66-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor
Light Source: (48) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14348 lumens
Efficiency: N/A
Efficacy: 117.2 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

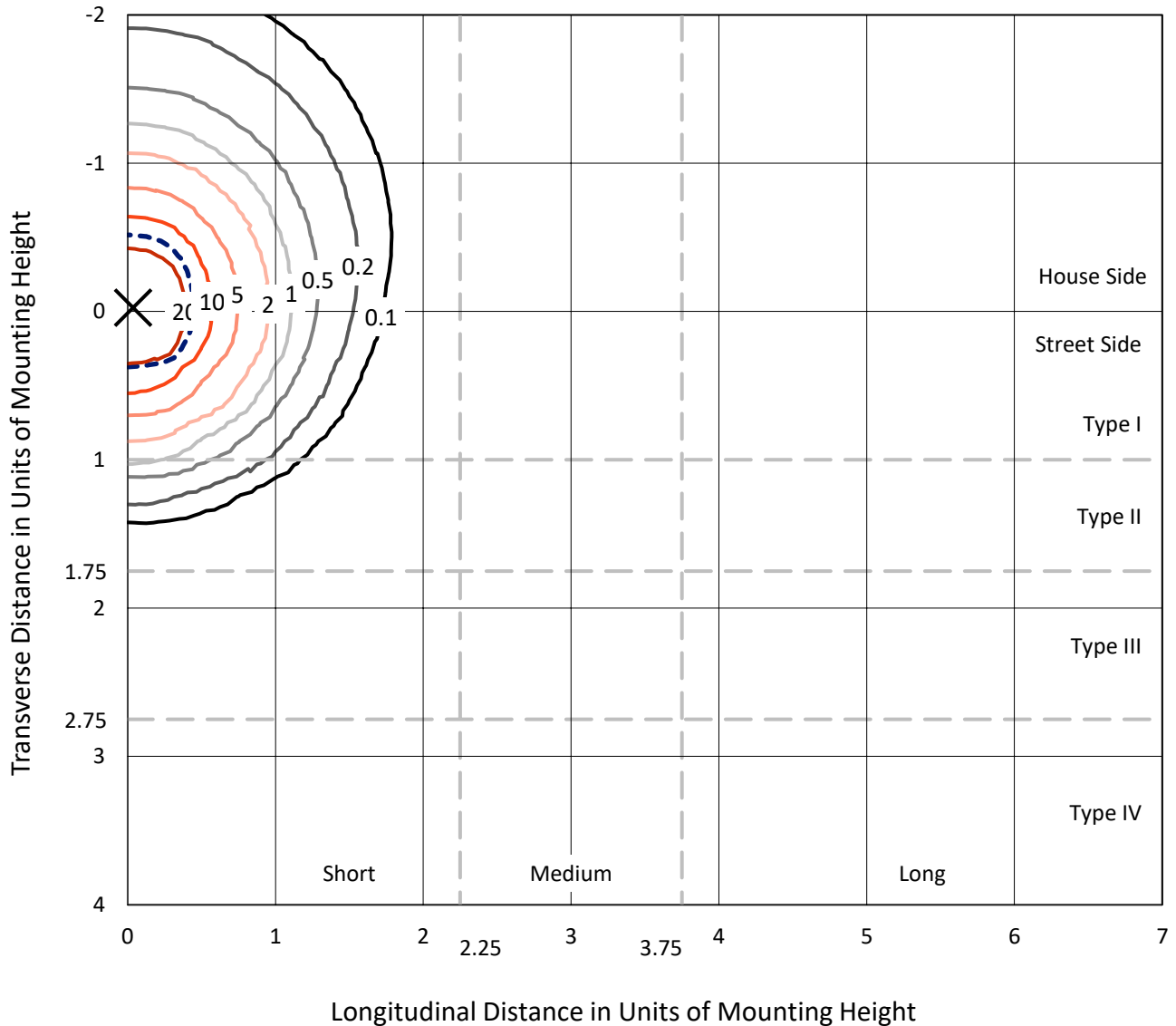
Input Watts (W): 122.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

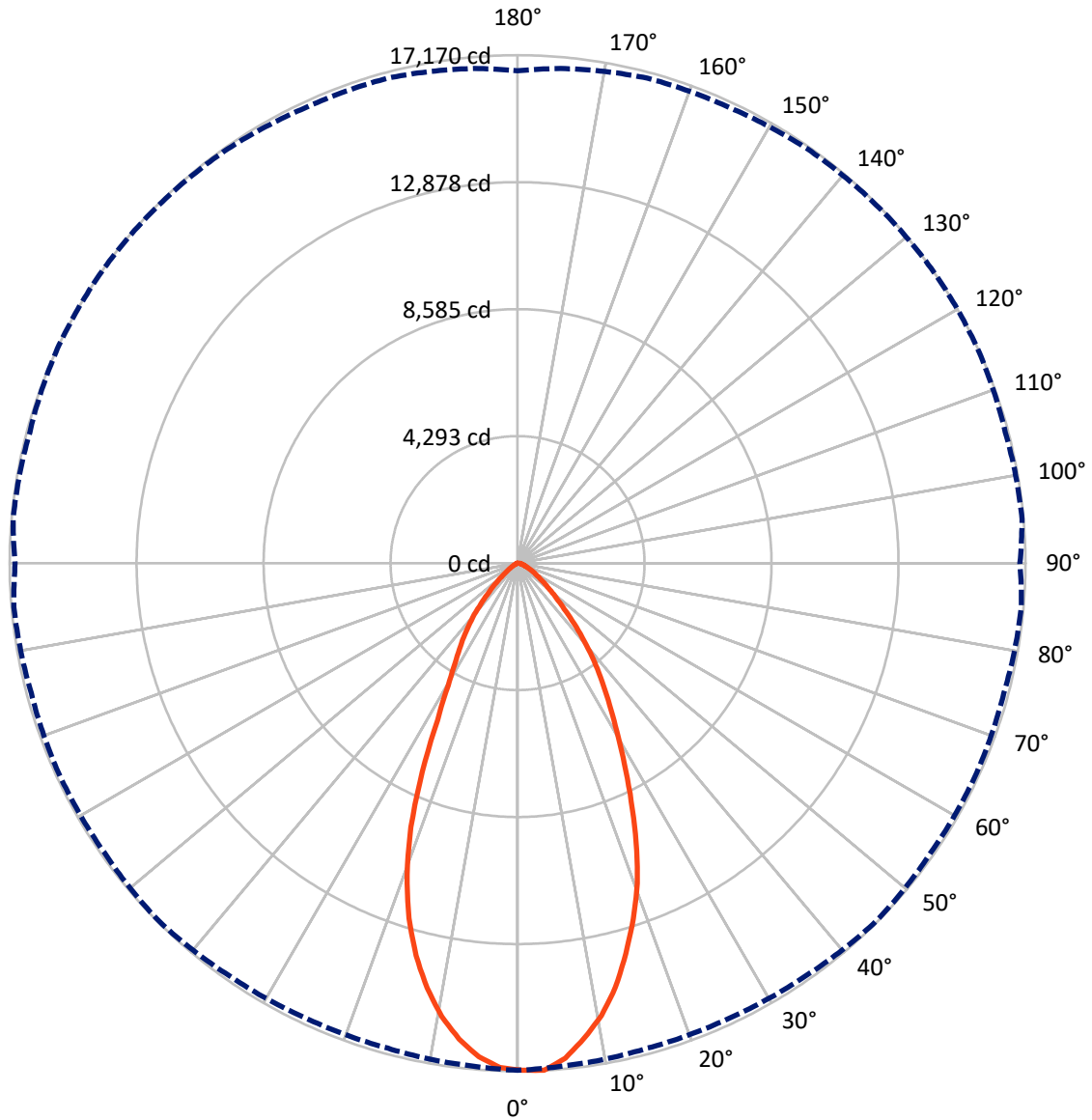
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 42.9 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 125-Deg Lateral - - - Horizontal Cone Through 2.5-Deg Vertical

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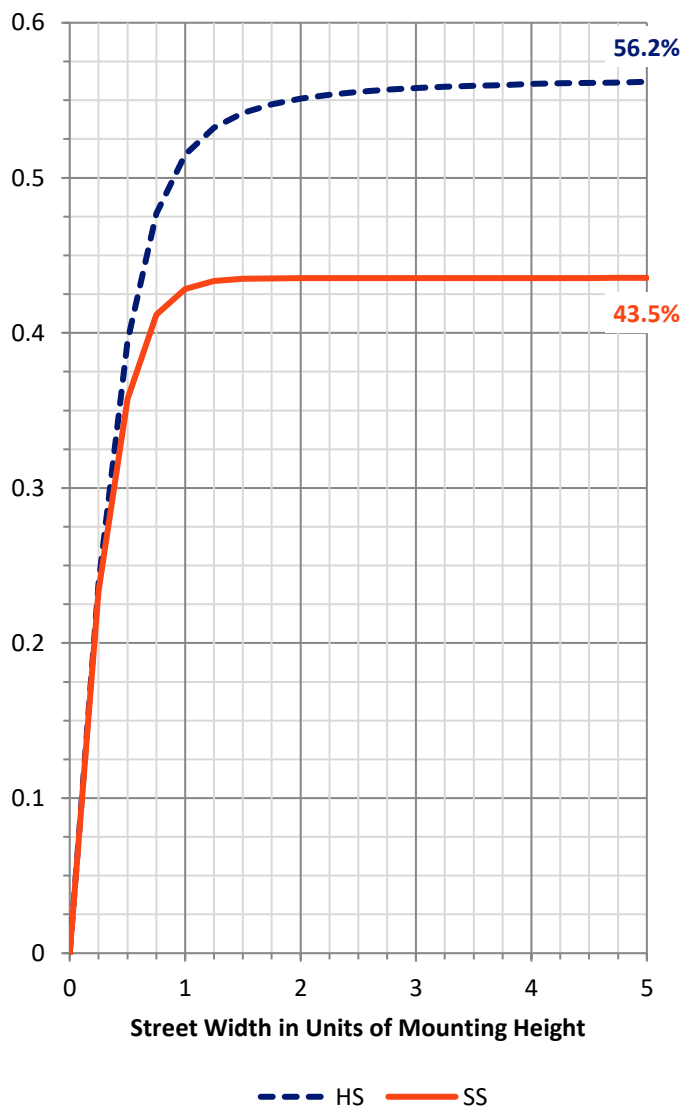
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8141.6	0.0	8141.6
	% Fixture	56.7	0.0	56.7
Street Side	Lumens	6206.4	0.0	6206.4
	% Fixture	43.3	0.0	43.3
Total	Lumens	14348.0	0.0	14348.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1556.6	10.8
10°-20°	3710.6	25.9
20°-30°	3779.1	26.3
30°-40°	2818.1	19.6
40°-50°	1472.2	10.3
50°-60°	619.2	4.3
60°-70°	252.9	1.8
70°-80°	106.4	0.7
80°-90°	32.8	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°	14348.0	100.0
0°-180°	14348.0	100.0



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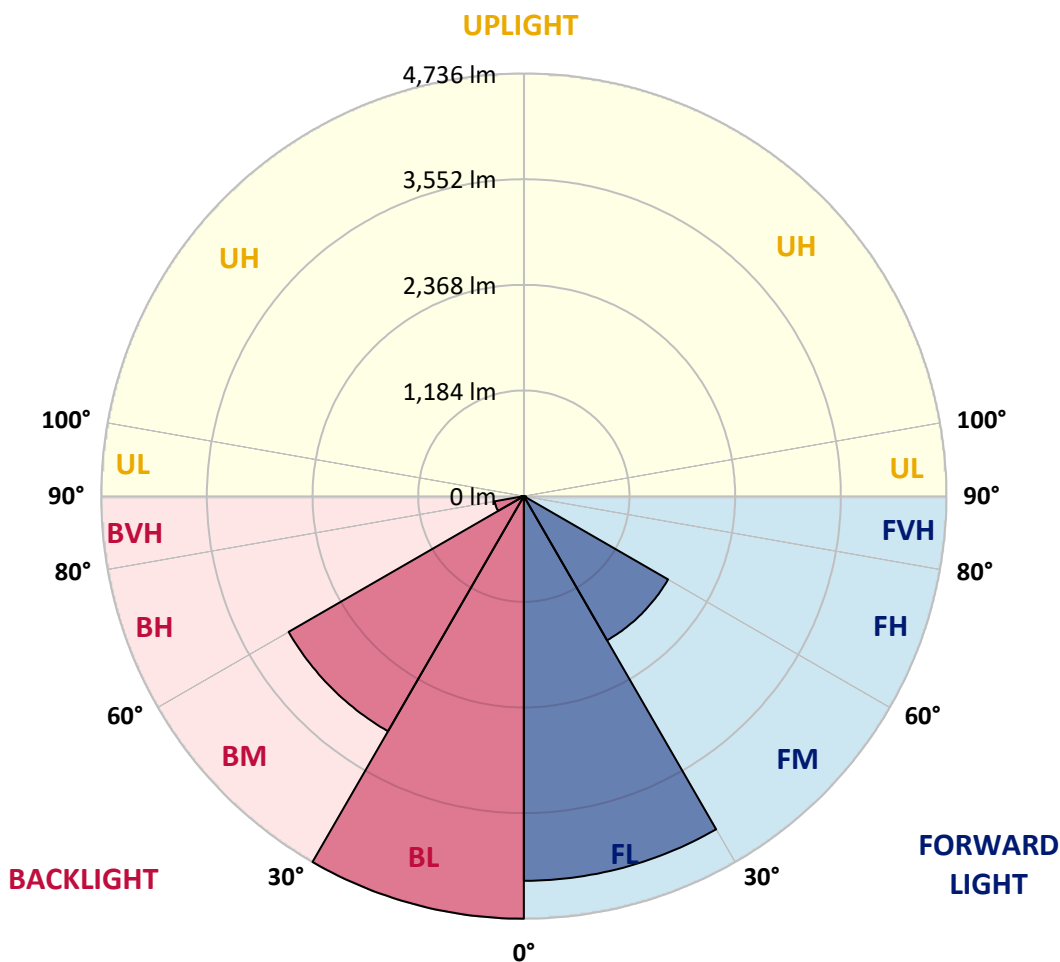
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4310.3	30.0			
FM (30°-60°)	1866.0	13.0			
FH (60°-80°)	27.0	0.2			G0/660
FVH (80°-90°)	3.0	0.0			G0/10
BL (0°-30°)	4736.0	33.0	B4/5000		
BM (30°-60°)	3043.6	21.2	B3/5000		
BH (60°-80°)	332.3	2.3	B1/500		G1/500
BVH (80°-90°)	29.7	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	17142.4	17142.4	17142.4	17142.4	17142.4	17142.4	17142.4	17142.4	17142.4	17142.4
2.5°	17144.2	17074.2	16974.7	16965.4	17017.0	17129.5	17057.6	17061.3	17017.0	17092.6
5°	16875.1	16808.8	16740.6	16650.3	16725.8	16773.8	16736.9	16696.3	16639.2	16712.9
7.5°	16366.4	16329.6	16228.2	16187.7	16233.7	16287.2	16207.9	16196.9	16117.6	16213.5
10°	15588.7	15573.9	15474.4	15450.4	15491.0	15572.1	15537.1	15529.7	15479.9	15470.7
12.5°	14781.4	14724.3	14600.8	14593.4	14654.2	14775.9	14681.9	14591.6	14619.2	14643.2
15°	12702.4	12641.6	12947.5	13428.6	13681.1	13671.9	13699.5	13590.8	13557.6	13568.7
17.5°	10098.2	9995.0	10105.5	10850.1	12050.0	12746.7	12555.0	12320.9	12195.6	12112.6
20°	8715.9	8721.4	8701.1	8892.8	9641.1	11229.8	11183.7	10732.2	10568.1	10500.0
22.5°	7875.4	7844.1	7799.9	7860.7	8061.6	8994.2	9619.0	9204.3	9147.1	9071.6
25°	7051.6	7051.6	6998.1	7058.9	7116.1	7129.0	7755.6	7925.2	7814.6	7814.6
27.5°	6338.3	6301.4	6277.5	6305.1	6229.6	5866.5	5945.7	6813.8	6738.3	6692.2
30°	5630.6	5619.5	5579.0	5615.8	5335.7	4926.5	4760.6	5750.4	5829.6	5813.0
32.5°	4648.2	4692.4	4873.1	4930.2	4451.0	4121.1	3962.6	4773.5	5090.6	5077.7
35°	3159.0	3195.9	3402.3	4084.2	3689.8	3453.9	3407.8	3796.7	4318.3	4368.1
37.5°	2515.8	2510.3	2569.2	2690.9	2965.5	2908.4	2895.5	2996.8	3522.1	3544.2
40°	2073.5	2066.1	2064.2	1964.7	1896.5	2418.1	2383.1	2322.3	2777.5	2821.7
42.5°	1671.7	1679.0	1684.6	1467.1	1367.6	1865.2	1844.9	1782.2	2178.5	2230.1
45°	1312.3	1310.4	1321.5	1092.9	1065.3	1192.5	1378.6	1328.9	1644.0	1699.3
47.5°	680.1	704.1	853.3	846.0	858.9	846.0	1043.2	1030.3	1236.7	1325.2
50°	457.1	464.5	477.4	479.2	676.4	623.0	707.7	801.7	866.2	1002.6
52.5°	353.9	359.4	326.2	305.9	414.7	460.8	464.5	554.8	604.5	742.8
55°	197.2	221.2	237.8	239.6	228.5	341.0	339.1	411.0	449.7	541.9
57.5°	25.8	31.3	47.9	154.8	153.0	189.8	237.8	298.6	320.7	396.3
60°	1.8	3.7	5.5	24.0	101.4	110.6	162.2	186.1	223.0	278.3
62.5°	0.0	0.0	1.8	5.5	20.3	64.5	84.8	97.7	130.9	182.5
65°	0.0	0.0	1.8	3.7	7.4	24.0	33.2	53.4	77.4	112.4
67.5°	0.0	0.0	1.8	3.7	5.5	9.2	14.7	24.0	40.5	68.2
70°	0.0	0.0	1.8	3.7	5.5	7.4	11.1	14.7	22.1	36.9
72.5°	0.0	0.0	1.8	1.8	3.7	9.2	9.2	11.1	14.7	20.3
75°	0.0	0.0	1.8	3.7	5.5	9.2	9.2	9.2	11.1	12.9
77.5°	0.0	0.0	1.8	3.7	5.5	9.2	7.4	9.2	9.2	9.2
80°	0.0	0.0	1.8	3.7	5.5	9.2	11.1	9.2	7.4	7.4
82.5°	0.0	0.0	1.8	5.5	5.5	12.9	12.9	12.9	5.5	5.5
85°	0.0	0.0	3.7	5.5	9.2	14.7	14.7	11.1	5.5	3.7
87.5°	0.0	0.0	1.8	3.7	3.7	7.4	11.1	9.2	3.7	1.8
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°
17142.4	0°	17142.4	17142.4	17142.4	17142.4	17142.4	17142.4	17142.4	17142.4	17142.4
16982.0	2.5°	17118.4	17072.3	17159.0	17170.0	17133.2	17087.1	16980.2	16971.0	16784.8
16606.0	5°	16794.0	16718.5	16773.8	16810.6	16797.7	16748.0	16703.7	16663.2	16495.5
15996.0	7.5°	16189.5	16161.9	16187.7	16215.3	16268.8	16215.3	16196.9	16154.5	15988.6
15395.1	10°	15518.6	15467.0	15564.7	15551.8	15537.1	15522.3	15444.9	15452.3	15256.9
14576.8	12.5°	14694.8	14608.2	14702.1	14713.2	14702.1	14650.5	14563.9	14600.8	14422.0
13471.0	15°	13587.1	13577.9	13646.1	13690.3	13721.6	13666.3	13636.9	13655.3	13548.4
12048.1	17.5°	12226.9	12346.7	12569.7	12645.3	12647.1	12704.3	12687.7	12665.6	12586.3
10472.3	20°	10627.1	10857.5	11200.3	11552.3	11653.7	11605.8	11583.7	11624.2	11506.3
8992.3	22.5°	9150.8	9348.0	9746.1	10260.4	10557.1	10586.6	10581.0	10546.0	10500.0
7807.2	25°	7897.5	8072.6	8454.1	8924.1	9493.6	9578.4	9582.1	9571.0	9530.5
6732.7	27.5°	6839.6	7051.6	7261.7	7681.9	8288.3	8638.5	8594.2	8581.3	8566.6
5825.9	30°	5881.2	6148.5	6345.7	6607.4	7151.1	7624.8	7670.8	7648.7	7613.7
5075.8	32.5°	5121.9	5280.4	5531.0	5708.0	6098.7	6635.0	6812.0	6795.4	6764.1
4399.4	35°	4462.1	4524.7	4721.9	4919.1	5179.0	5698.8	5960.5	5923.6	5918.1
3584.8	37.5°	3675.1	3885.2	3993.9	4193.0	4375.4	4779.1	5140.3	5123.7	5125.6
2882.6	40°	2967.3	3089.0	3304.6	3472.3	3640.1	3934.9	4336.7	4347.8	4344.1
2232.0	42.5°	2278.0	2396.0	2622.7	2805.1	2954.4	3136.9	3520.3	3533.2	3549.7
1738.0	45°	1778.6	1854.1	2020.0	2209.8	2368.3	2478.9	2770.1	2853.1	2854.9
1347.3	47.5°	1380.5	1467.1	1585.0	1767.5	1922.3	2001.6	2213.5	2326.0	2320.4
1034.0	50°	1083.7	1163.0	1258.8	1402.6	1570.3	1633.0	1789.6	1900.2	1894.7
779.6	52.5°	829.4	930.7	1015.5	1126.1	1290.1	1343.6	1456.0	1583.2	1564.8
571.4	55°	628.5	731.7	810.9	903.1	1052.4	1120.6	1198.0	1299.4	1303.0
442.3	57.5°	473.7	580.6	652.4	746.4	858.9	934.4	993.4	1102.2	1100.3
302.3	60°	339.1	431.3	517.9	615.6	702.2	788.8	829.4	932.6	936.3
213.8	62.5°	245.1	331.8	414.7	499.5	576.9	661.7	698.5	779.6	790.7
140.1	65°	171.4	232.2	328.1	392.6	479.2	541.9	589.8	659.8	672.7
82.9	67.5°	110.6	167.7	259.9	317.0	396.3	449.7	499.5	554.8	571.4
53.4	70°	66.4	127.2	193.5	254.3	326.2	374.1	422.1	470.0	479.2
25.8	72.5°	42.4	88.5	140.1	206.4	261.7	313.3	355.7	390.7	363.1
16.6	75°	24.0	60.8	110.6	162.2	212.0	261.7	296.7	315.2	252.5
11.1	77.5°	14.7	44.2	90.3	130.9	164.0	210.1	232.2	243.3	180.6
7.4	80°	9.2	33.2	75.6	106.9	106.9	154.8	180.6	189.8	130.9
5.5	82.5°	7.4	24.0	59.0	81.1	71.9	116.1	141.9	143.8	92.2
3.7	85°	5.5	18.4	36.9	53.4	49.8	81.1	82.9	92.2	60.8
3.7	87.5°	3.7	11.1	22.1	31.3	27.6	38.7	44.2	49.8	33.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
17142.4
16639.2
16360.9
15953.6
15190.6
14370.4
13419.4
12468.4
11421.5
10411.5
9394.1
8480.0
7569.5
6681.1
5857.3
5066.6
4279.6
3494.5
2807.0
2300.1
1894.7
1566.6
1303.0
1096.6
927.1
787.0
669.0
569.5
471.8
337.3
239.6
169.6
121.6
84.8
55.3
29.5
0.0

(END OF REPORT)