

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: P637666

Luminaire Tested: **IFLD-S-SA2B-750-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637666
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2B-750-U-55-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5 distribution lens and Visor
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10970.8 lumens
Efficiency: N/A
Efficacy: 133.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G1

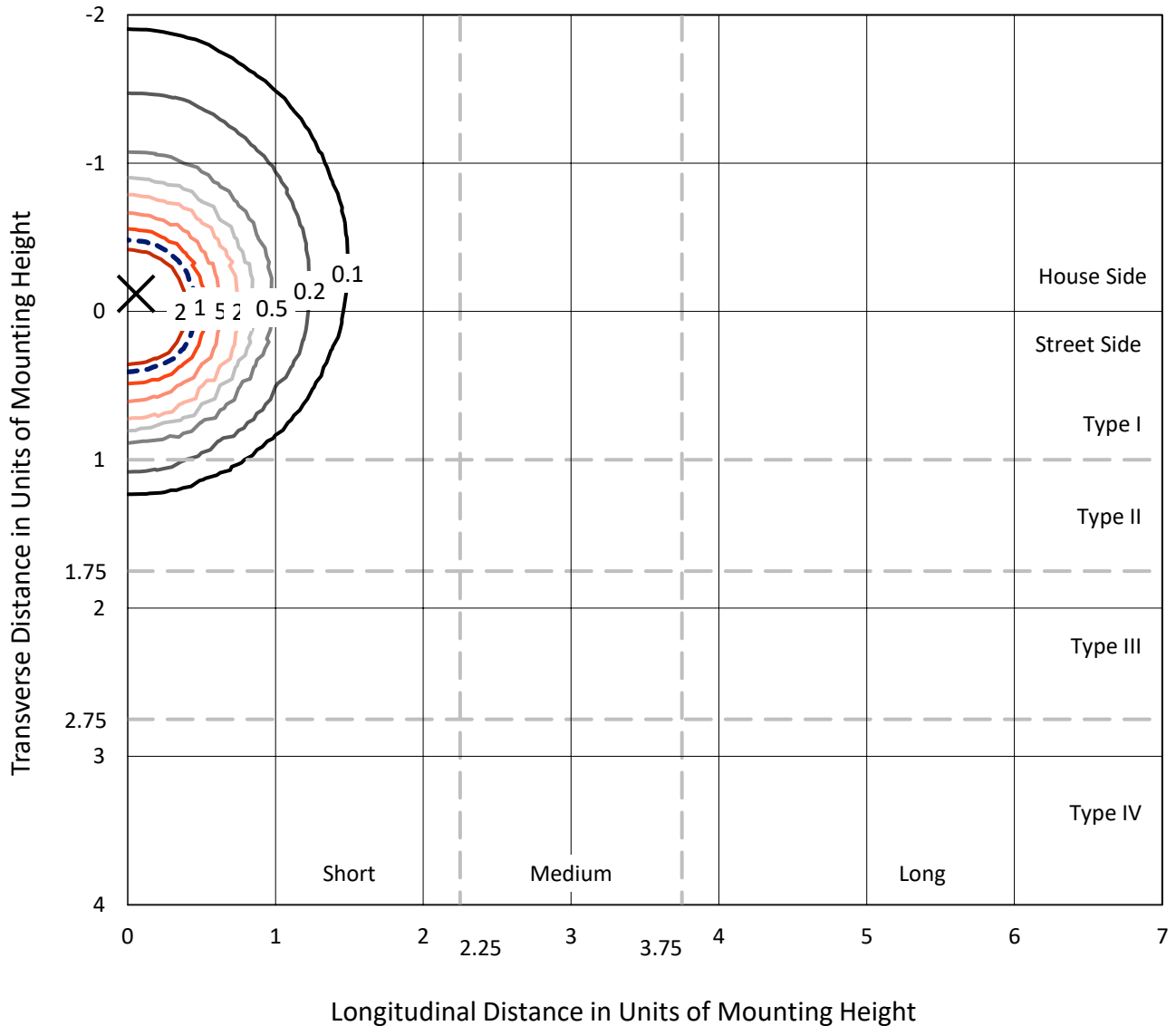
Input Watts (W): 82.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

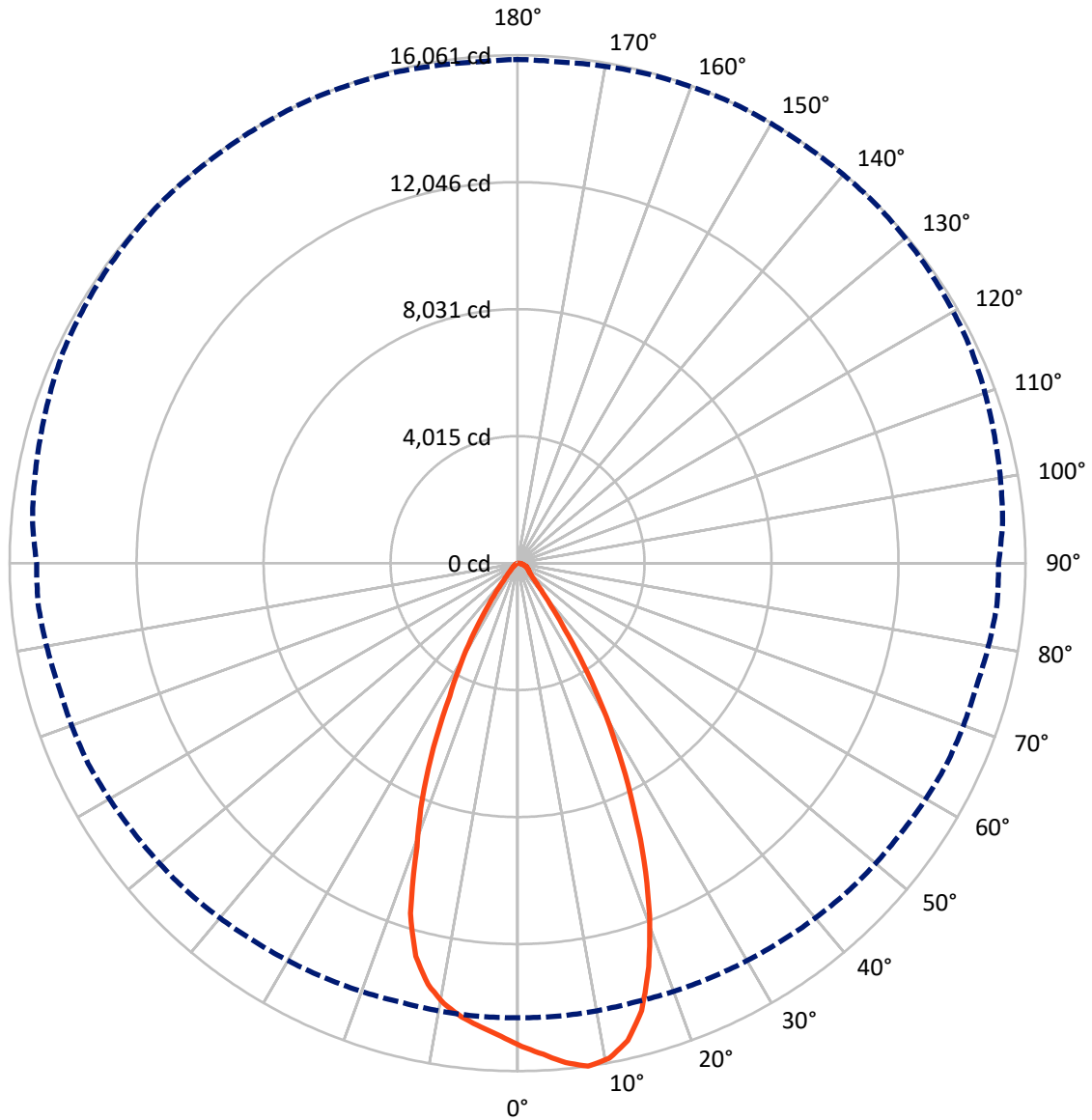
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 38.8 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 155-Deg Lateral - - - Horizontal Cone Through 7.5-Deg Vertical

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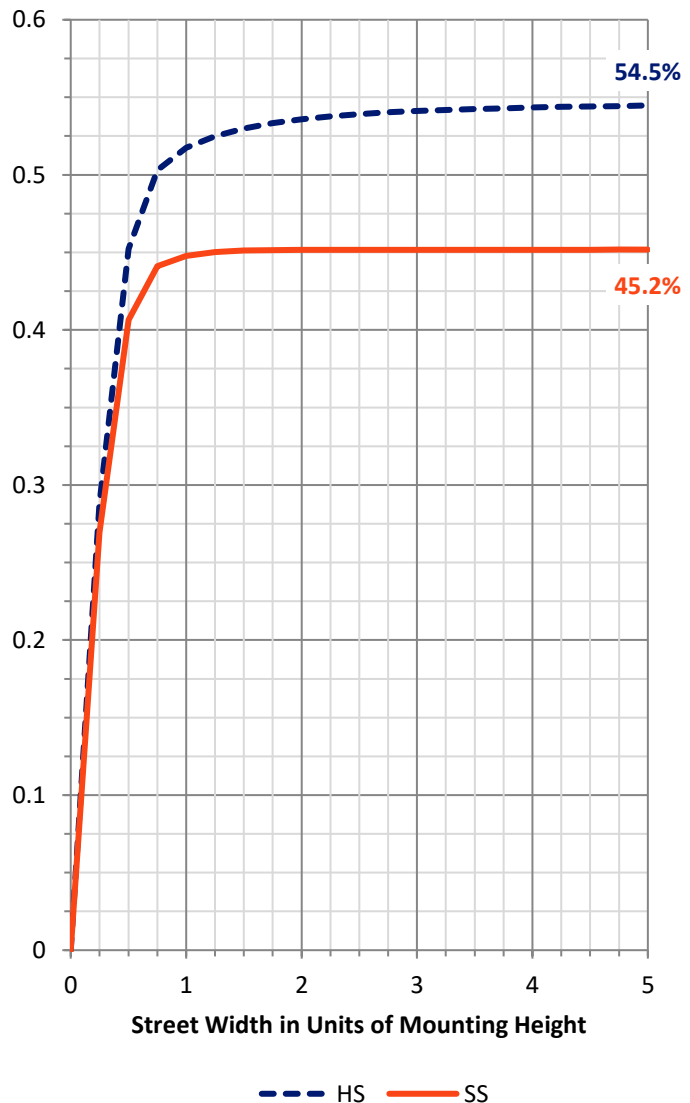
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6056.3	0.0	6056.3
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	4914.5	0.0	4914.5
	% Fixture	44.8	0.0	44.8
Total	Lumens	10970.8	0.0	10970.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1457.3	13.3
10°-20°	3778.9	34.4
20°-30°	3462.5	31.6
30°-40°	1398.9	12.8
40°-50°	410.4	3.7
50°-60°	229.4	2.1
60°-70°	139.4	1.3
70°-80°	70.8	0.6
80°-90°	23.2	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°	10970.8	100.0
0°-180°	10970.8	100.0



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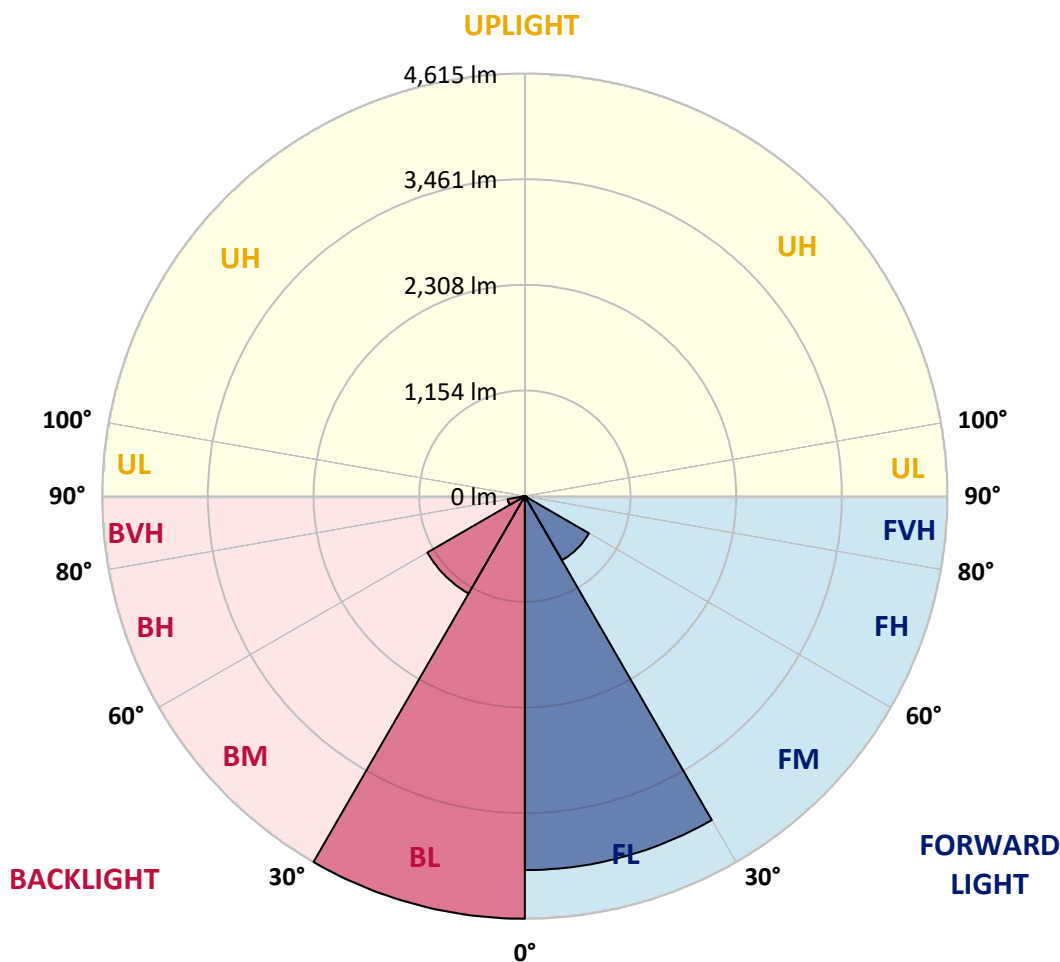
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4083.6	37.2			
FM (30°-60°)	809.3	7.4			
FH (60°-80°)	19.6	0.2			G0/660
FVH (80°-90°)	2.0	0.0			G0/10
BL (0°-30°)	4615.2	42.1	B4/5000		
BM (30°-60°)	1229.4	11.2	B2/2500		
BH (60°-80°)	190.6	1.7	B1/500		G1/500
BVH (80°-90°)	21.2	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°	15283.2	15283.2	15283.2	15283.2	15283.2	15283.2	15283.2	15283.2	15283.2	15283.2
2.5°	14951.7	15002.3	14901.1	14968.2	15020.0	15144.0	15154.1	15197.1	15212.3	15324.9
5°	14668.3	14707.6	14625.3	14715.2	14788.5	14898.6	14983.3	15102.3	15168.0	15300.9
7.5°	14373.6	14382.4	14366.0	14460.9	14570.9	14722.7	14827.7	14983.3	15023.8	15213.6
10°	14016.8	13952.3	13983.9	14123.1	14287.6	14520.3	14592.4	14748.0	14820.2	15013.7
12.5°	13447.6	13480.5	13441.2	13618.3	13755.0	14019.4	14095.3	14252.1	14390.0	14560.8
15°	12645.5	12626.5	12706.2	12844.1	12992.1	13202.1	13324.9	13495.6	13600.6	13777.7
17.5°	10842.8	10907.3	11236.2	11581.6	11885.2	12130.6	12277.4	12419.1	12495.0	12687.3
20°	9364.0	9283.0	9327.3	9522.1	10386.1	10761.8	10916.2	10950.3	10982.0	11133.8
22.5°	7710.5	7684.0	7832.0	8050.8	8255.8	9122.3	9332.3	9252.6	9318.4	9461.4
25°	5725.7	5859.7	5991.3	6411.3	6677.0	7102.0	7500.5	7535.9	7560.0	7649.8
27.5°	4660.5	4613.7	4611.1	4728.8	5121.0	5475.2	5814.2	5892.6	5878.7	5964.7
30°	3663.6	3648.4	3595.3	3623.1	3583.9	3898.9	4058.3	4380.9	4363.2	4365.7
32.5°	2642.7	2585.8	2564.3	2606.0	2565.5	2536.4	2675.6	3039.9	3033.6	3058.9
35°	1599.0	1591.4	1609.2	1645.8	1564.9	1562.3	1591.4	1934.3	1976.0	2016.5
37.5°	883.0	875.4	889.3	1024.7	998.1	974.1	981.7	1162.6	1282.8	1313.1
40°	581.9	580.7	590.8	614.8	660.4	651.5	655.3	736.3	850.1	876.7
42.5°	389.6	390.9	397.2	425.1	431.4	476.9	469.3	488.3	594.6	617.3
45°	311.2	309.9	313.7	301.1	308.7	355.5	360.5	361.8	452.9	466.8
47.5°	245.4	245.4	249.2	232.8	229.0	258.1	284.6	288.4	361.8	380.8
50°	172.0	172.0	191.0	183.4	192.3	201.1	230.2	234.0	296.0	316.3
52.5°	126.5	129.0	131.6	132.8	161.9	160.7	186.0	203.7	223.9	259.3
55°	96.1	98.7	92.3	98.7	120.2	134.1	139.2	164.5	178.4	217.6
57.5°	63.3	69.6	64.5	75.9	81.0	103.7	111.3	135.4	144.2	178.4
60°	8.9	10.1	16.4	53.1	56.9	68.3	86.0	107.5	116.4	145.5
62.5°	1.3	1.3	3.8	8.9	38.0	45.5	64.5	74.6	86.0	108.8
65°	0.0	0.0	1.3	2.5	7.6	26.6	32.9	40.5	59.5	78.4
67.5°	0.0	0.0	1.3	2.5	3.8	8.9	13.9	26.6	34.2	54.4
70°	0.0	0.0	1.3	2.5	3.8	5.1	7.6	10.1	20.2	31.6
72.5°	0.0	0.0	1.3	2.5	3.8	5.1	6.3	7.6	8.9	20.2
75°	0.0	0.0	1.3	2.5	3.8	6.3	7.6	7.6	7.6	8.9
77.5°	0.0	0.0	1.3	2.5	5.1	7.6	8.9	7.6	6.3	6.3
80°	0.0	0.0	1.3	3.8	6.3	8.9	10.1	7.6	5.1	3.8
82.5°	0.0	0.0	1.3	3.8	6.3	8.9	10.1	8.9	5.1	3.8
85°	0.0	0.0	1.3	3.8	5.1	6.3	10.1	8.9	5.1	2.5
87.5°	0.0	0.0	0.0	1.3	1.3	2.5	5.1	3.8	2.5	1.3
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°
15283.2	0°	15283.2	15283.2	15283.2	15283.2	15283.2	15283.2	15283.2	15283.2	15283.2
15322.4	2.5°	15436.2	15493.2	15593.1	15620.9	15707.0	15608.3	15553.9	15558.9	15441.3
15284.4	5°	15436.2	15566.5	15741.1	15824.6	15887.9	15882.8	15868.9	15833.5	15747.4
15208.5	7.5°	15395.8	15608.3	15848.6	15960.0	16035.9	16029.5	16061.2	16004.2	15899.2
15073.2	10°	15265.5	15450.2	15746.2	15837.3	15960.0	15962.5	15923.3	15934.7	15747.4
14578.5	12.5°	14855.6	14999.8	15259.1	15362.9	15512.1	15536.2	15493.2	15476.7	15299.6
13767.6	15°	14062.4	14145.9	14406.5	14510.2	14658.2	14638.0	14681.0	14663.3	14507.7
12672.1	17.5°	12902.3	12928.9	13202.1	13289.4	13428.6	13483.0	13418.5	13500.7	13366.6
11160.3	20°	11238.8	11381.7	11689.1	11823.2	11904.2	12001.6	11916.8	12009.2	11852.3
9326.0	22.5°	9551.2	9635.9	9914.3	10107.8	10258.4	10277.3	10245.7	10310.2	10099.0
7709.3	25°	7708.0	7848.4	8068.5	8321.6	8469.6	8560.6	8478.4	8520.2	8486.0
5978.7	27.5°	6079.9	6205.1	6370.8	6559.3	6782.0	6900.9	6835.1	6906.0	6739.0
4458.1	30°	4461.9	4525.1	4712.3	4912.2	5156.4	5300.6	5306.9	5379.0	5280.4
3123.4	32.5°	3146.2	3201.9	3317.0	3449.8	3682.6	3843.2	3817.9	3828.1	3767.3
2035.5	35°	2045.6	2120.2	2202.5	2265.7	2406.1	2583.2	2569.3	2556.7	2514.9
1338.4	37.5°	1367.5	1396.6	1442.2	1499.1	1590.2	1701.5	1738.2	1692.6	1674.9
903.3	40°	924.8	975.4	1005.7	1048.7	1091.7	1185.4	1210.7	1201.8	1184.1
632.5	42.5°	656.6	695.8	733.7	775.5	798.3	856.4	905.8	891.9	884.3
480.7	45°	498.4	533.9	578.1	609.8	632.5	666.7	713.5	718.6	707.2
385.8	47.5°	399.8	431.4	466.8	506.0	532.6	554.1	594.6	609.8	602.2
325.1	50°	339.0	363.1	397.2	436.4	465.5	484.5	519.9	536.4	531.3
272.0	52.5°	288.4	317.5	349.2	382.0	417.5	436.4	469.3	493.4	489.6
225.2	55°	239.1	277.0	309.9	342.8	383.3	402.3	431.4	463.0	456.7
191.0	57.5°	208.7	240.4	274.5	306.1	349.2	374.5	401.0	433.9	432.6
156.9	60°	174.6	206.2	244.2	270.7	316.3	351.7	375.7	409.9	412.4
118.9	62.5°	139.2	178.4	207.5	244.2	285.9	327.6	350.4	384.6	397.2
91.1	65°	103.7	146.7	179.6	216.3	255.5	302.3	322.6	356.7	369.4
65.8	67.5°	77.2	110.1	151.8	183.4	227.7	268.2	292.2	323.9	332.7
39.2	70°	58.2	84.8	126.5	154.3	199.9	232.8	256.8	280.8	292.2
26.6	72.5°	34.2	63.3	99.9	132.8	172.0	199.9	217.6	236.6	244.2
12.7	75°	24.0	48.1	78.4	110.1	139.2	161.9	178.4	194.8	202.4
6.3	77.5°	12.7	35.4	62.0	88.6	108.8	127.8	144.2	156.9	161.9
5.1	80°	7.6	25.3	50.6	69.6	83.5	99.9	116.4	125.2	124.0
3.8	82.5°	5.1	20.2	36.7	50.6	60.7	73.4	84.8	91.1	91.1
2.5	85°	3.8	13.9	25.3	39.2	40.5	50.6	53.1	59.5	60.7
2.5	87.5°	2.5	8.9	13.9	22.8	21.5	26.6	27.8	31.6	34.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
15283.2
15346.4
15775.3
15923.3
15693.0
15259.1
14557.0
13333.7
11839.7
10069.9
8464.5
6782.0
5298.1
3801.5
2478.2
1671.1
1186.6
878.0
705.9
598.4
530.1
487.0
456.7
431.4
412.4
396.0
368.1
332.7
289.7
241.6
199.9
160.7
122.7
89.8
59.5
32.9
0.0

(END OF REPORT)