

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: P636629

Luminaire Tested: **IFLD-S-SA3D-935-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636629
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3D-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: 12322 lumens
Efficiency: N/A
Efficacy: 66.9 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

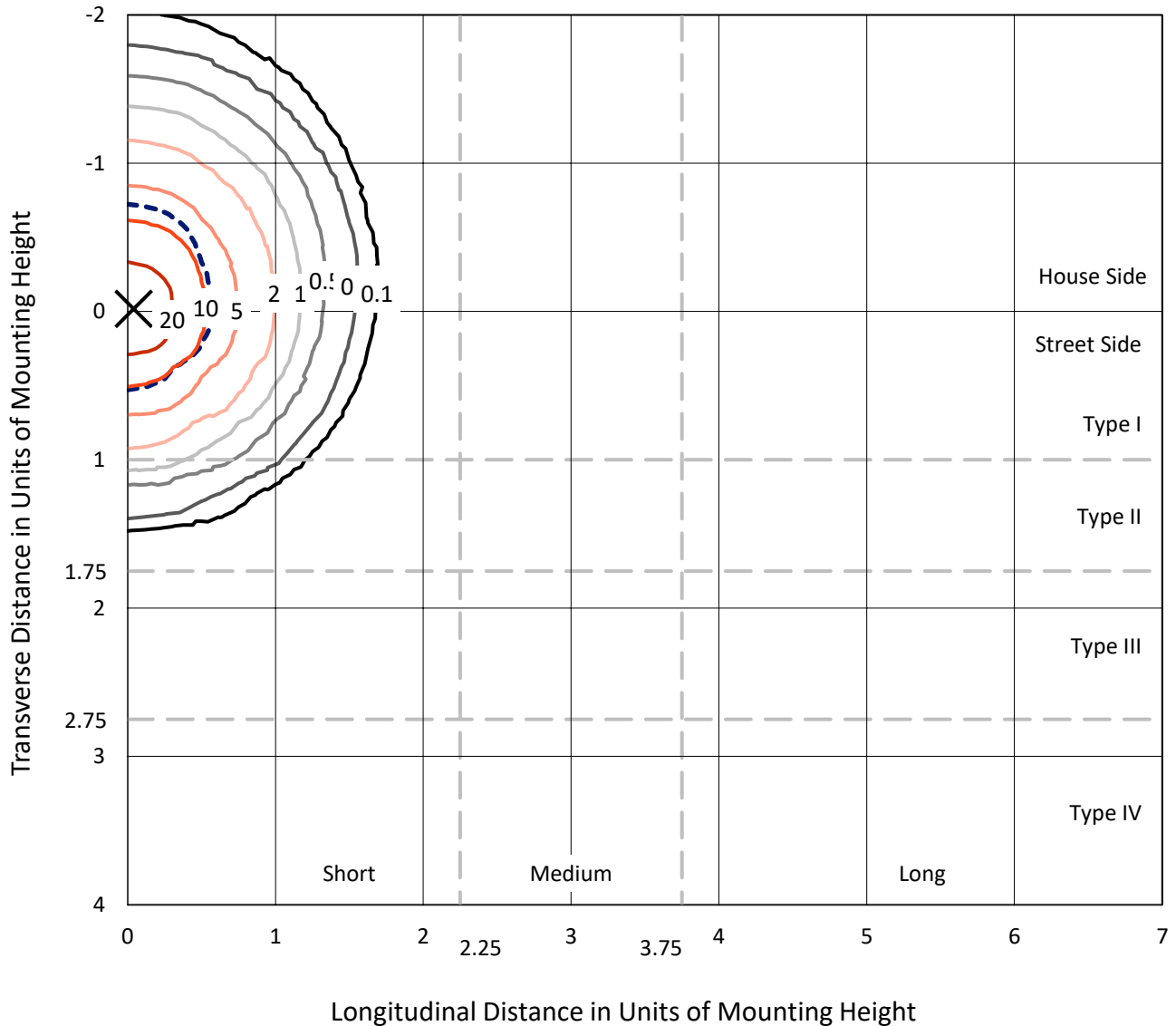
Input Watts (W): 184.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P636629
 CATALOG NUMBER: IFLD-S-SA3D-935-U-66-VI

Iso-Footcandle Lines of Horizontal Illumination

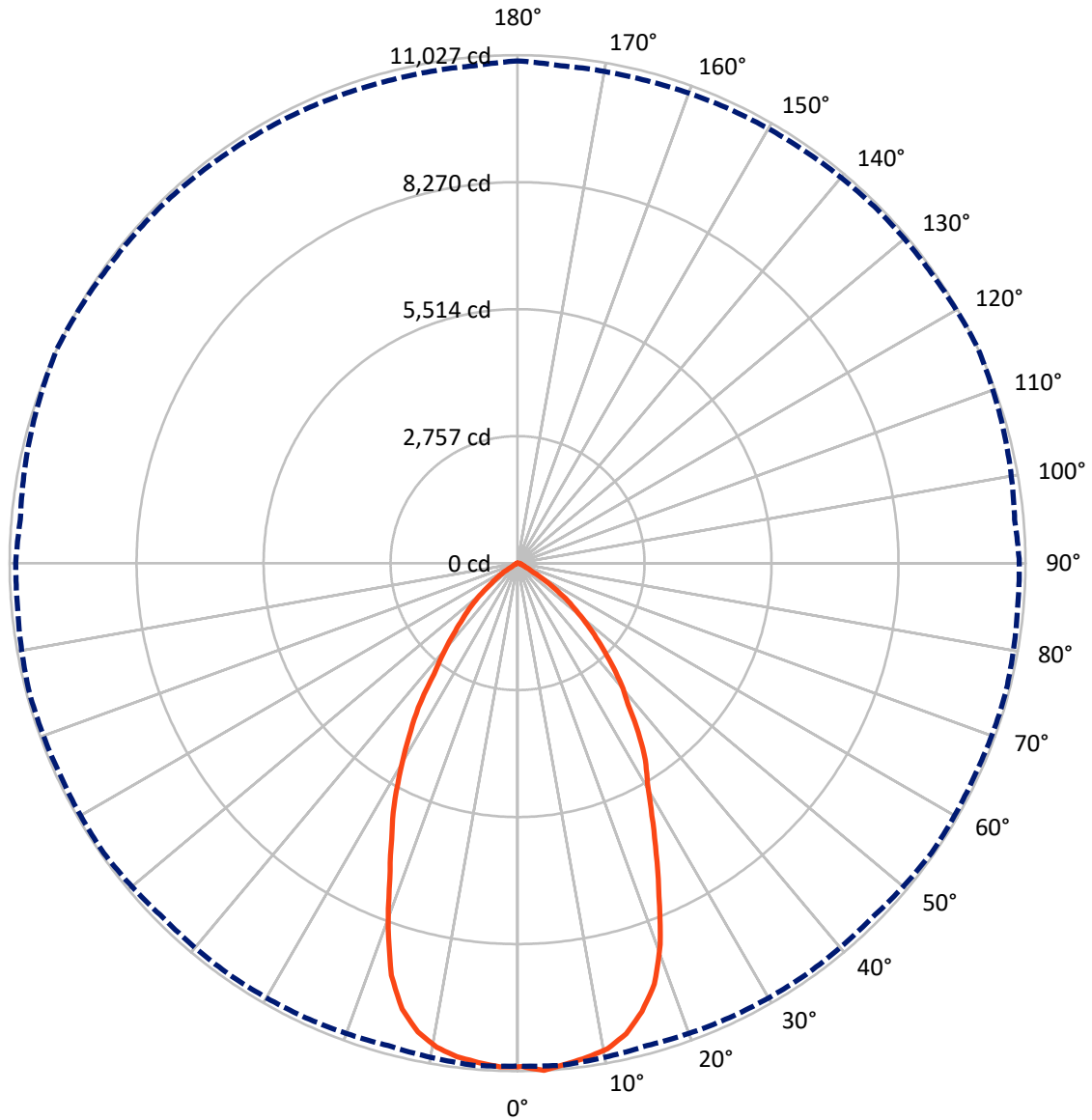
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 27.3 fc
 Type I - Short - N/A

REPORT NUMBER: P636629
CATALOG NUMBER: IFLD-S-SA3D-935-U-66-VI

Luminous Intensity Polar Plot



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

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 CATALOG NUMBER: IFLD-S-SA3D-935-U-66-VI

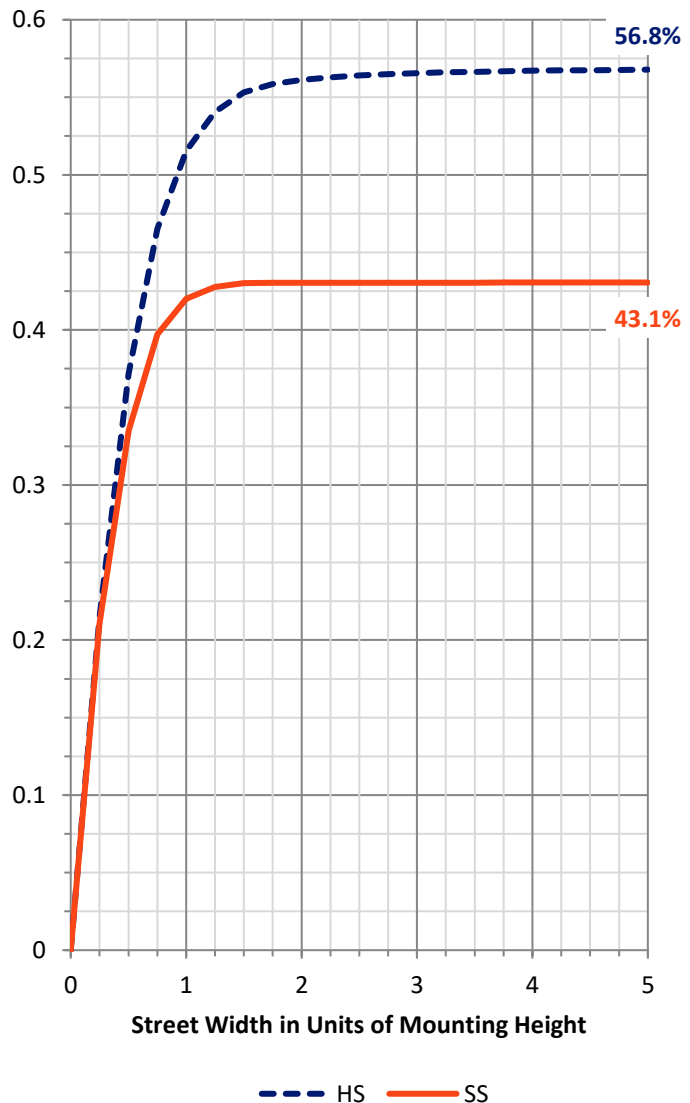
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7051.7	0.0	7051.7
	% Fixture	57.2	0.0	57.2
Street Side	Lumens	5270.3	0.0	5270.3
	% Fixture	42.8	0.0	42.8
Total	Lumens	12322.0	0.0	12322.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1029.7	8.4
10°-20°	2730.3	22.2
20°-30°	3122.9	25.3
30°-40°	2676.2	21.7
40°-50°	1769.6	14.4
50°-60°	772.2	6.3
60°-70°	151.7	1.2
70°-80°	54.7	0.4
80°-90°	14.6	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°	12322.0	100.0
0°-180°	12322.0	100.0



REPORT NUMBER: P636629

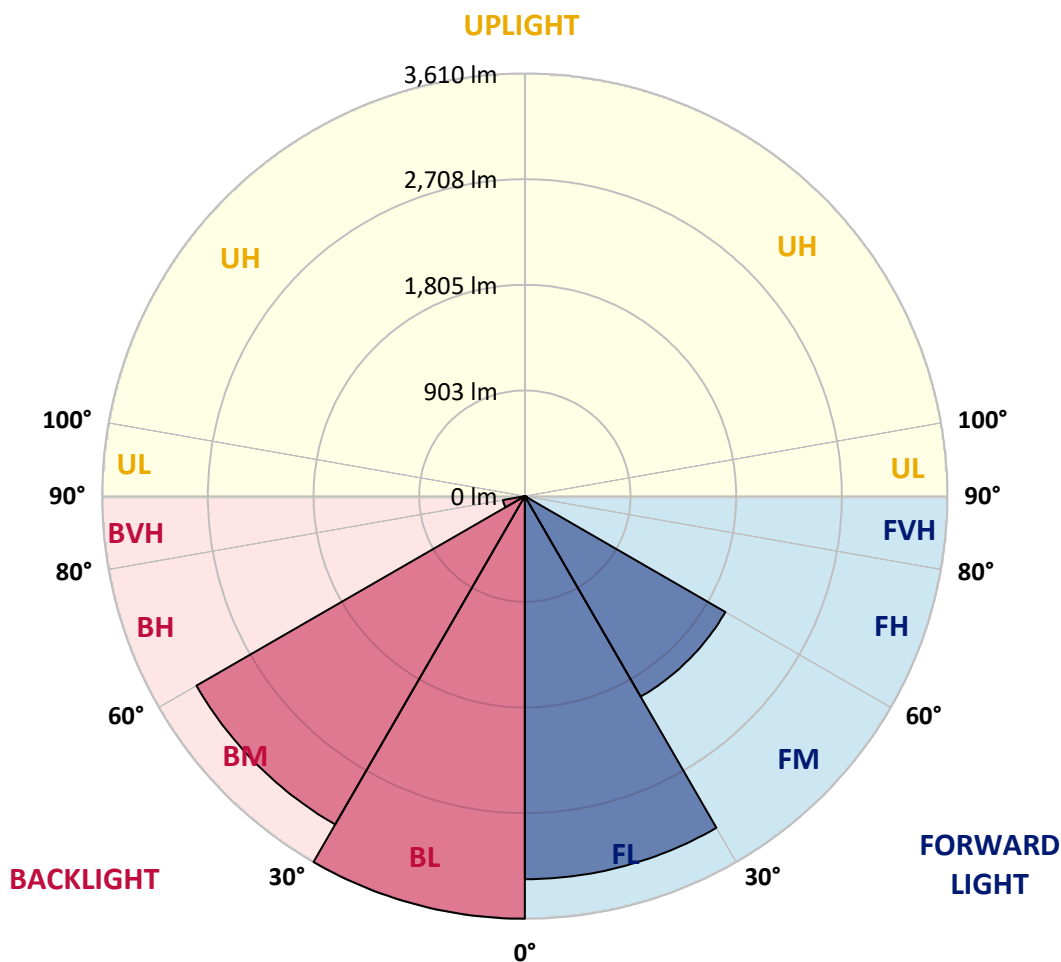
CATALOG NUMBER: IFLD-S-SA3D-935-U-66-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3272.5	26.6			
FM (30°-60°)	1978.7	16.1			
FH (60°-80°)	16.8	0.1			G0/660
FVH (80°-90°)	2.4	0.0			G0/10
BL (0°-30°)	3610.5	29.3	B4/5000		
BM (30°-60°)	3239.4	26.3	B3/5000		
BH (60°-80°)	189.7	1.5	B1/500		G1/500
BVH (80°-90°)	12.2	0.1			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





REPORT NUMBER: P636629
 CATALOG NUMBER: IFLD-S-SA3D-935-U-66-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	10932.7	10932.7	10932.7	10932.7	10932.7	10932.7	10932.7	10932.7	10932.7	10932.7
2.5°	10917.0	10943.2	10843.7	10888.2	10906.6	10883.0	10969.4	10943.2	10964.2	10898.7
5°	10917.0	10943.2	10828.0	10848.9	10854.2	10809.6	10903.9	10872.5	10875.1	10807.0
7.5°	10848.9	10880.4	10775.6	10791.3	10793.9	10757.3	10838.5	10793.9	10778.2	10707.5
10°	10665.6	10683.9	10589.6	10628.9	10665.6	10631.5	10702.3	10652.5	10652.5	10589.6
12.5°	10374.8	10408.9	10304.1	10351.3	10382.7	10343.4	10424.6	10406.3	10408.9	10346.0
15°	9845.8	9727.9	9853.6	9947.9	9950.5	9942.7	10018.6	10000.3	10013.4	9919.1
17.5°	7273.7	7244.8	7391.5	8504.7	9332.4	9445.0	9458.1	9358.6	9314.1	9222.4
20°	6739.3	6760.3	6728.9	6734.1	7386.3	8740.4	8659.2	8413.0	8300.4	8208.7
22.5°	6349.1	6315.0	6294.1	6281.0	6299.3	7182.0	7766.1	7394.1	7333.9	7289.4
25°	5924.7	5909.0	5882.8	5877.6	5867.1	5717.8	6558.6	6592.7	6495.7	6440.7
27.5°	5529.2	5518.8	5489.9	5487.3	5366.8	5005.4	5097.1	5906.4	5880.2	5859.3
30°	5107.5	5086.6	5070.9	5070.9	4706.8	4334.9	4185.6	5149.4	5149.4	5131.1
32.5°	4649.2	4630.8	4636.1	4573.2	4138.4	3797.9	3562.2	4444.9	4719.9	4704.2
35°	2841.9	2836.6	3368.4	4067.7	3556.9	3247.9	3232.2	3803.2	4203.9	4245.8
37.5°	2530.2	2514.5	2522.3	2566.9	3046.2	2923.1	2917.8	3014.8	3577.9	3598.8
40°	2270.9	2260.4	2252.6	2092.8	1940.9	2608.8	2590.4	2527.6	3056.7	3093.3
42.5°	2024.7	2014.2	2014.2	1788.9	1542.7	2145.2	2153.0	2079.7	2577.3	2590.4
45°	1770.6	1762.8	1718.2	1427.5	1356.8	1424.9	1783.7	1699.9	2045.6	2181.8
47.5°	835.5	830.3	1202.2	1186.5	1181.3	1139.4	1362.0	1409.2	1623.9	1760.1
50°	670.5	665.3	633.9	557.9	971.7	864.4	982.2	1084.4	1152.5	1278.2
52.5°	555.3	550.0	484.6	429.6	539.6	631.2	586.7	725.5	722.9	859.1
55°	364.1	337.9	371.9	351.0	282.9	458.4	447.9	550.0	536.9	654.8
57.5°	7.9	7.9	18.3	199.1	178.1	193.8	256.7	314.3	353.6	387.6
60°	2.6	2.6	5.2	10.5	73.3	81.2	99.5	115.2	162.4	201.7
62.5°	0.0	0.0	2.6	5.2	10.5	41.9	47.1	55.0	76.0	104.8
65°	0.0	0.0	0.0	2.6	5.2	10.5	15.7	34.1	47.1	60.2
67.5°	0.0	0.0	0.0	2.6	2.6	5.2	10.5	15.7	21.0	41.9
70°	0.0	0.0	0.0	2.6	2.6	5.2	7.9	10.5	15.7	21.0
72.5°	0.0	0.0	0.0	2.6	2.6	7.9	5.2	7.9	10.5	13.1
75°	0.0	0.0	0.0	2.6	2.6	2.6	5.2	7.9	7.9	10.5
77.5°	0.0	0.0	0.0	2.6	5.2	5.2	5.2	5.2	5.2	7.9
80°	0.0	0.0	0.0	2.6	2.6	5.2	7.9	10.5	5.2	5.2
82.5°	0.0	0.0	0.0	5.2	2.6	10.5	15.7	13.1	5.2	2.6
85°	0.0	0.0	0.0	2.6	10.5	13.1	13.1	7.9	2.6	2.6
87.5°	0.0	0.0	0.0	2.6	2.6	5.2	7.9	7.9	2.6	2.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P636629

CATALOG NUMBER: IFLD-S-SA3D-935-U-66-VI

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
10932.7	0°	10932.7	10932.7	10932.7	10932.7	10932.7	10932.7	10932.7	10932.7	10932.7
10893.5	2.5°	10833.2	10935.4	11027.0	10969.4	10948.5	10906.6	10875.1	10841.1	10838.5
10799.2	5°	10738.9	10835.8	10924.9	10856.8	10862.0	10841.1	10820.1	10812.3	10817.5
10702.3	7.5°	10657.7	10738.9	10835.8	10778.2	10793.9	10780.8	10770.4	10754.6	10778.2
10576.5	10°	10534.6	10608.0	10720.6	10665.6	10657.7	10644.6	10634.2	10605.3	10618.4
10348.7	12.5°	10264.8	10356.5	10484.9	10422.0	10442.9	10406.3	10390.6	10372.2	10374.8
9953.1	15°	9898.1	9968.9	10099.8	10050.1	10065.8	10042.2	10042.2	10042.2	10060.5
9235.5	17.5°	9259.0	9403.1	9610.0	9547.2	9570.7	9576.0	9570.7	9589.1	9612.6
8214.0	20°	8219.2	8465.4	8842.6	8965.7	9015.5	9018.1	8981.4	9025.9	9073.1
7257.9	22.5°	7263.2	7522.5	7855.1	8193.0	8402.6	8392.1	8397.3	8426.1	8475.9
6406.7	25°	6435.5	6684.3	6985.5	7286.8	7745.1	7839.4	7842.0	7868.2	7907.5
5825.2	27.5°	5838.3	5935.2	6210.2	6514.1	7006.5	7307.7	7292.0	7315.6	7357.5
5097.1	30°	5118.0	5489.9	5552.8	5738.8	6163.1	6715.8	6718.4	6744.6	6786.5
4667.5	32.5°	4654.4	4900.6	5094.4	5099.7	5461.1	6029.5	6142.1	6168.3	6197.1
4222.2	35°	4219.6	4248.4	4510.3	4583.7	4793.2	5356.4	5555.4	5571.1	5618.3
3591.0	37.5°	3651.2	3821.5	3894.8	4156.7	4167.2	4623.0	5018.5	5002.8	5039.4
3090.7	40°	3130.0	3292.4	3478.4	3669.6	3695.8	4036.3	4473.7	4489.4	4505.1
2564.2	42.5°	2585.2	2792.1	2983.3	3111.7	3289.8	3486.2	3902.7	3976.0	4012.7
2197.6	45°	2236.8	2294.5	2522.3	2710.9	2891.7	2983.3	3373.6	3507.2	3530.7
1739.2	47.5°	1762.8	1956.6	2111.1	2270.9	2496.1	2577.3	2860.2	3046.2	3064.5
1291.3	50°	1362.0	1500.8	1713.0	1857.0	2119.0	2163.5	2357.3	2598.3	2621.9
864.4	52.5°	974.4	1162.9	1369.9	1508.7	1760.1	1817.8	1961.8	2192.3	2208.0
662.7	55°	699.3	822.4	992.7	1191.8	1375.1	1503.4	1603.0	1823.0	1844.0
434.8	57.5°	476.7	592.0	662.7	861.7	971.7	1110.6	1191.8	1359.4	1375.1
206.9	60°	227.9	282.9	337.9	437.4	508.1	626.0	678.4	746.5	764.8
125.7	62.5°	146.7	172.9	220.0	261.9	330.0	403.4	424.3	481.9	502.9
78.6	65°	96.9	123.1	172.9	183.3	251.4	309.1	335.3	377.2	400.7
47.1	67.5°	55.0	86.4	128.3	151.9	199.1	254.1	282.9	319.5	340.5
31.4	70°	36.7	70.7	102.2	125.7	157.2	204.3	241.0	272.4	285.5
15.7	72.5°	21.0	44.5	70.7	99.5	125.7	170.3	204.3	230.5	151.9
10.5	75°	13.1	34.1	60.2	83.8	104.8	136.2	165.0	162.4	68.1
7.9	77.5°	10.5	26.2	52.4	70.7	86.4	94.3	117.9	133.6	52.4
5.2	80°	7.9	21.0	47.1	60.2	34.1	68.1	91.7	99.5	36.7
5.2	82.5°	5.2	13.1	39.3	41.9	23.6	49.8	73.3	65.5	26.2
2.6	85°	2.6	7.9	13.1	23.6	21.0	23.6	18.3	26.2	18.3
2.6	87.5°	2.6	5.2	10.5	10.5	10.5	7.9	10.5	10.5	10.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
10932.7
10901.3
10883.0
10843.7
10681.3
10450.8
10068.4
9691.2
9104.5
8483.7
7975.6
7396.8
6859.8
6262.6
5668.1
5084.0
4554.9
4065.1
3588.4
3109.0
2655.9
2236.8
1862.3
1406.5
785.8
508.1
400.7
337.9
282.9
123.1
68.1
52.4
39.3
26.2
18.3
10.5
0.0

(END OF REPORT)