

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: P636471

Luminaire Tested: **IFLD-L-SA7E-930-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636471
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7E-930-U-55-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5 distribution lens and Visor
Light Source: (112) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29896.1 lumens
Efficiency: N/A
Efficacy: 56.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 532.7
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



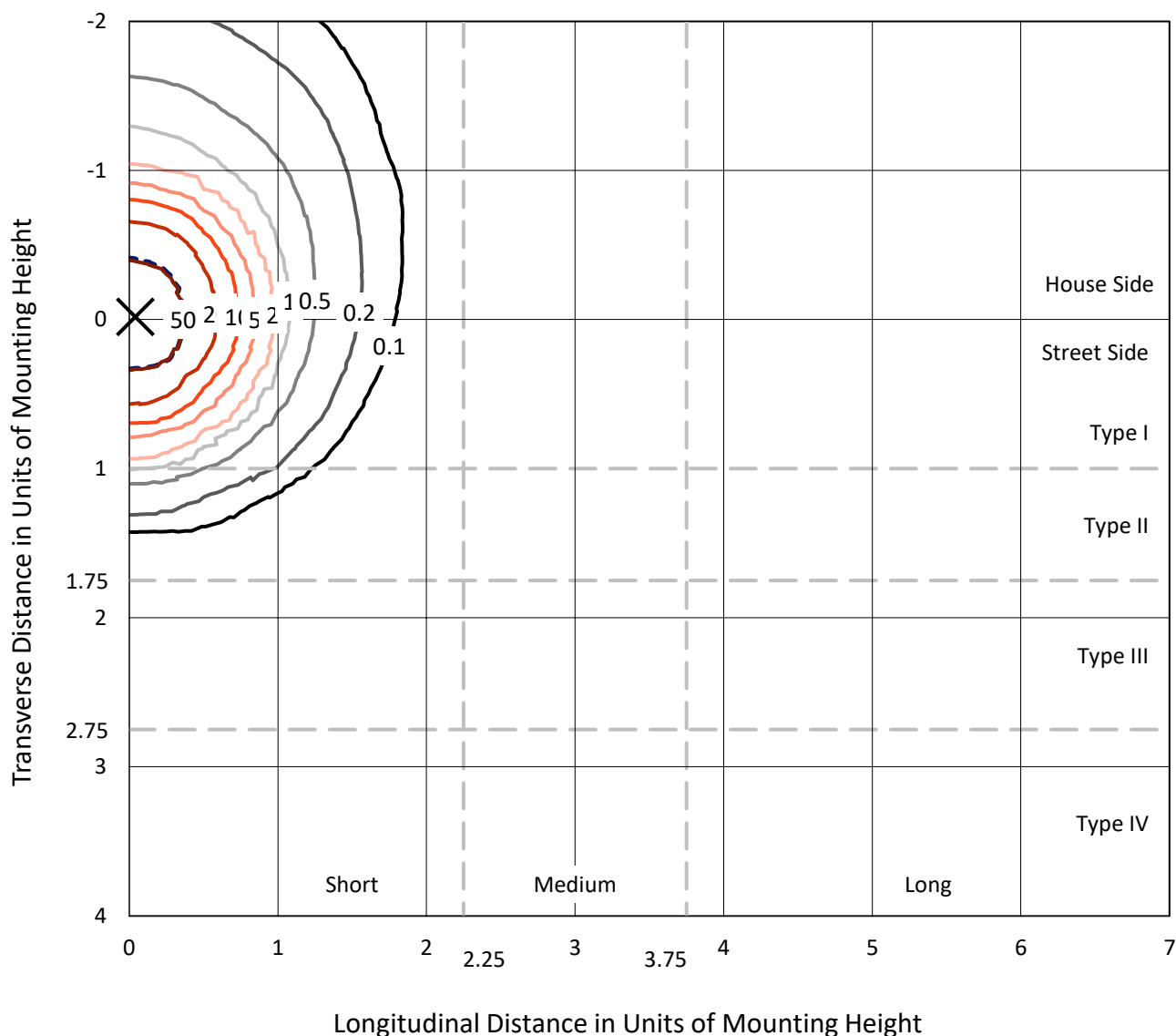
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

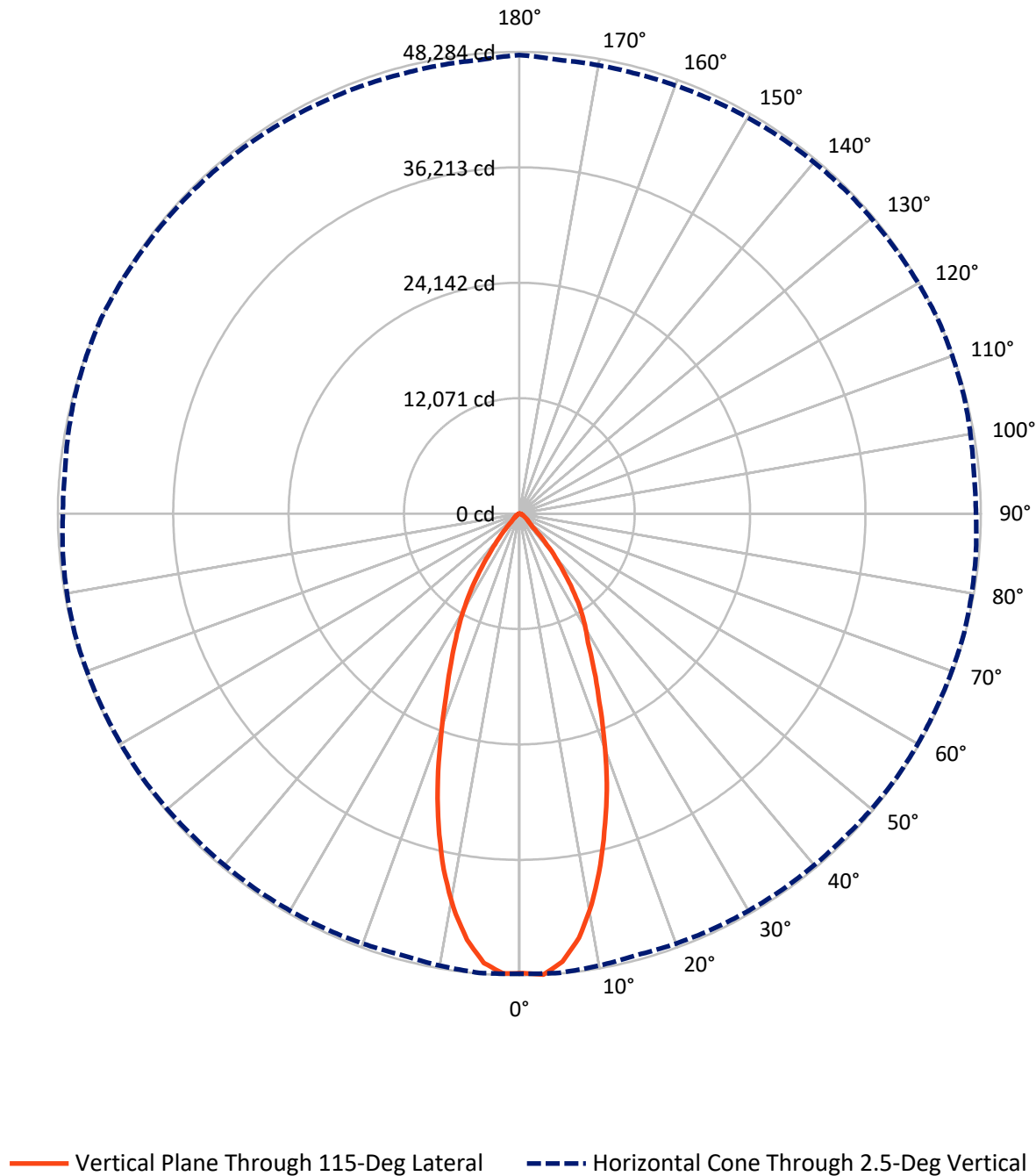


Based on 20 foot mounting height. Maximum calculated value = 120.1 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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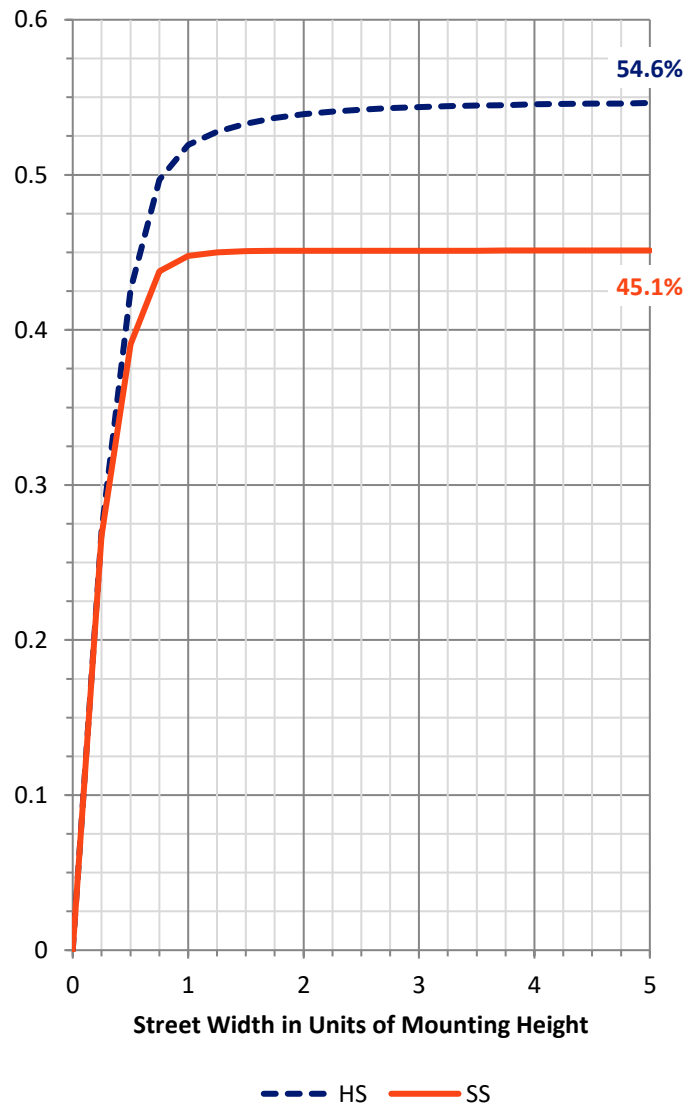
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16499.2	0.0	16499.2
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	13396.9	0.0	13396.9
	% Fixture	44.8	0.0	44.8
Total	Lumens	29896.1	0.0	29896.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4310.4	14.4
10°-20°	9110.0	30.5
20°-30°	8222.3	27.5
30°-40°	5441.2	18.2
40°-50°	1630.0	5.5
50°-60°	653.8	2.2
60°-70°	338.6	1.1
70°-80°	147.0	0.5
80°-90°	42.8	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°	29896.1	100.0
0°-180°	29896.1	100.0

Coefficient of Utilization



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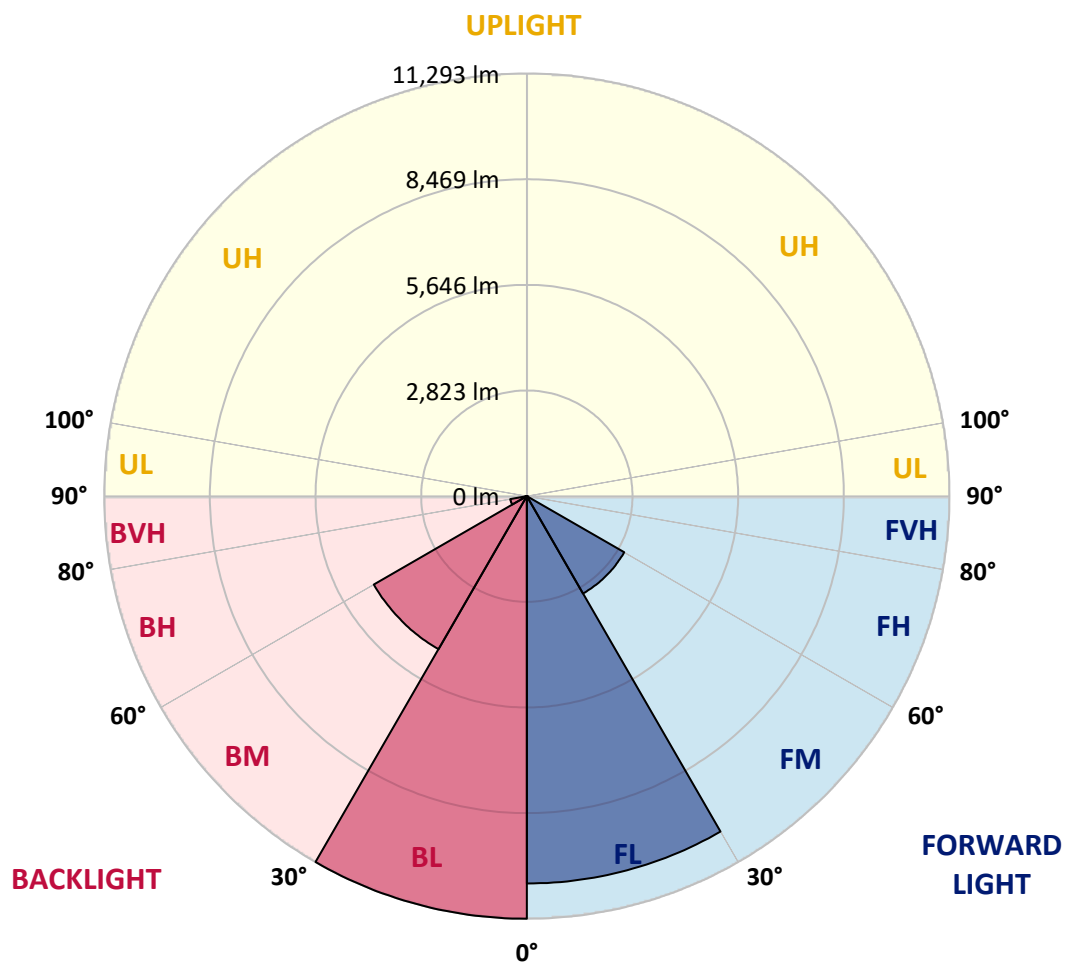
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	10350.3	34.6			
FM	(30°-60°)	3003.3	10.0			
FH	(60°-80°)	37.2	0.1			G0/660
FVH	(80°-90°)	6.1	0.0			G0/10
BL	(0°-30°)	11292.5	37.8	B5		
BM	(30°-60°)	4721.7	15.8	B3/5000		
BH	(60°-80°)	448.4	1.5	B1/500		G1/500
BVH	(80°-90°)	36.6	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	48058.0	48058.0	48058.0	48058.0	48058.0	48058.0	48058.0	48058.0	48058.0	48058.0
2.5°	48119.1	48204.7	47776.7	47923.5	47984.6	48003.0	48155.8	48131.4	48174.2	47947.9
5°	47483.3	47318.2	47000.2	47006.4	46988.0	46816.8	47165.3	47140.9	47067.5	46798.5
7.5°	45318.8	45557.3	44958.1	44945.9	44933.6	44725.7	45184.3	44903.1	44964.2	44579.0
10°	42151.6	42182.2	41650.3	41601.4	41644.2	41375.1	41907.1	41797.0	41913.2	41509.6
12.5°	38269.1	38440.3	37853.3	37767.7	37938.9	37559.8	37987.8	38042.9	37871.7	37816.6
15°	30014.9	30467.3	31580.1	33279.9	33720.1	33402.1	33744.5	33738.4	33811.8	33396.0
17.5°	22867.3	22910.1	22647.2	23460.4	28168.3	29696.9	29770.3	29189.4	28749.2	28596.3
20°	19963.0	20109.8	19871.3	19938.6	20690.6	25172.4	25343.6	24469.2	23717.2	23656.0
22.5°	17651.8	17743.6	17572.4	17627.4	17664.1	18189.9	21167.5	20397.1	20036.4	19761.3
25°	15695.3	15695.3	15603.6	15621.9	15585.2	14808.7	16337.3	17217.7	17009.8	16912.0
27.5°	13909.9	13934.4	13818.2	13885.5	13439.1	12185.7	12002.3	14600.8	14380.7	14203.4
30°	12216.3	12295.8	12185.7	12222.4	11250.2	10223.0	9697.2	12179.6	12454.7	12405.8
32.5°	9195.8	9556.6	10443.1	10479.8	9159.1	8370.4	8138.1	9776.7	10822.2	10730.5
35°	5698.5	5680.1	5716.8	7477.7	7025.3	6487.2	6572.8	7386.0	8566.1	8523.3
37.5°	4347.2	4341.1	4408.4	4231.1	4604.0	4922.0	4989.2	4989.2	6254.9	6261.0
40°	3295.6	3271.1	3265.0	2983.8	2500.7	3693.0	3583.0	3491.2	4347.2	4438.9
42.5°	2103.3	2176.7	2121.6	1815.9	1632.5	2017.7	2250.0	2176.7	2684.2	2751.4
45°	1173.9	1173.9	1125.0	953.8	947.7	1021.1	1284.0	1198.4	1375.7	1467.4
47.5°	568.6	556.4	611.4	752.1	782.6	758.2	917.1	953.8	1039.4	1125.0
50°	458.6	458.6	434.1	391.3	648.1	623.7	678.7	727.6	776.5	849.9
52.5°	385.2	385.2	354.6	330.2	373.0	476.9	483.0	574.7	568.6	672.6
55°	195.7	201.8	287.4	287.4	250.7	391.3	397.4	464.7	476.9	562.5
57.5°	18.3	24.5	36.7	177.3	195.7	214.0	299.6	342.4	397.4	434.1
60°	6.1	6.1	12.2	24.5	116.2	146.7	189.5	226.2	275.1	360.7
62.5°	0.0	0.0	6.1	12.2	24.5	91.7	103.9	116.2	165.1	226.2
65°	0.0	0.0	6.1	6.1	12.2	30.6	42.8	73.4	103.9	140.6
67.5°	0.0	0.0	6.1	6.1	12.2	18.3	24.5	36.7	48.9	91.7
70°	0.0	0.0	6.1	6.1	12.2	18.3	18.3	24.5	30.6	42.8
72.5°	0.0	0.0	6.1	6.1	12.2	24.5	18.3	18.3	24.5	30.6
75°	0.0	0.0	6.1	6.1	12.2	18.3	18.3	18.3	18.3	18.3
77.5°	0.0	0.0	6.1	6.1	12.2	18.3	18.3	18.3	12.2	12.2
80°	0.0	0.0	6.1	6.1	12.2	18.3	24.5	24.5	12.2	12.2
82.5°	0.0	0.0	6.1	12.2	12.2	30.6	36.7	30.6	12.2	6.1
85°	0.0	0.0	6.1	6.1	18.3	30.6	30.6	18.3	12.2	6.1
87.5°	0.0	0.0	0.0	6.1	6.1	12.2	18.3	18.3	6.1	6.1
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°
48058.0	0°	48058.0	48058.0	48058.0	48058.0	48058.0	48058.0	48058.0	48058.0	48058.0
47764.5	2.5°	47740.1	48113.0	48284.2	48106.9	48021.3	47899.0	47721.7	47599.4	47623.9
46651.7	5°	46547.8	46939.1	47073.6	46920.8	46792.4	46725.1	46694.5	46755.7	46914.6
44413.9	7.5°	44401.7	44652.4	44799.1	44725.7	44548.4	44750.2	44805.2	44768.5	45000.9
41387.4	10°	41399.6	41674.7	41540.2	41570.8	41362.9	41466.8	41436.3	41570.8	41803.1
37773.8	12.5°	37529.3	37792.2	37688.2	37669.9	37449.8	37645.4	37523.2	37669.9	37975.6
33224.8	15°	33463.3	33628.4	33561.1	33457.2	33261.5	33328.8	33707.9	33683.4	33817.9
28504.6	17.5°	28382.3	29177.2	29611.3	29703.0	29544.1	29678.6	29947.6	29880.3	30186.1
23527.6	20°	23484.8	24285.8	25355.8	26224.0	26242.4	26260.7	26431.9	26474.7	26737.6
19767.4	22.5°	19681.8	20250.4	21399.9	22549.4	23344.2	23509.3	23490.9	23552.1	23625.5
16777.5	25°	16734.7	17150.5	18202.1	18997.0	20391.0	20855.7	20990.2	20855.7	20898.5
14142.3	27.5°	14301.2	14937.1	15285.6	16135.5	17499.0	18575.1	18532.3	18452.8	18465.0
12308.0	30°	12301.9	12986.7	13500.3	13757.1	14784.3	16337.3	16496.2	16270.0	16276.1
10687.7	32.5°	10620.5	10834.5	11592.6	11800.5	12460.8	13873.2	14417.4	14246.2	14215.6
8547.7	35°	8798.4	8914.6	9263.1	9672.7	10064.1	11134.0	12032.8	11873.9	11953.4
6285.4	37.5°	6261.0	6737.9	7074.2	7410.5	7691.7	8364.3	9446.5	9299.8	9379.3
4451.2	40°	4414.5	4628.5	5209.3	5356.1	5771.9	6083.7	7000.8	6951.9	7049.7
2763.6	42.5°	2714.7	2867.6	3161.1	3301.7	3583.0	3760.3	4298.3	4359.5	4487.9
1528.6	45°	1540.8	1608.0	1809.8	1962.7	2170.6	2243.9	2433.5	2519.1	2592.4
1186.2	47.5°	1173.9	1247.3	1381.8	1516.3	1687.5	1748.7	1883.2	2011.6	2078.8
917.1	50°	959.9	1027.2	1167.8	1277.9	1449.1	1504.1	1614.2	1754.8	1840.4
697.0	52.5°	727.6	825.4	996.6	1112.8	1290.1	1357.4	1461.3	1601.9	1681.4
574.7	55°	599.2	672.6	825.4	984.4	1149.5	1241.2	1308.4	1479.6	1565.2
470.8	57.5°	513.6	568.6	666.5	856.0	996.6	1131.1	1186.2	1345.1	1430.7
373.0	60°	391.3	476.9	562.5	709.3	868.2	1008.9	1070.0	1210.6	1277.9
269.0	62.5°	324.1	379.1	489.1	568.6	745.9	892.7	953.8	1082.2	1131.1
177.3	65°	226.2	305.7	409.7	458.6	623.7	764.3	849.9	947.7	996.6
103.9	67.5°	134.5	226.2	324.1	391.3	507.5	648.1	739.8	831.5	874.3
61.1	70°	85.6	177.3	256.8	330.2	397.4	531.9	642.0	721.5	703.1
36.7	72.5°	48.9	110.1	189.5	269.0	330.2	446.3	550.3	611.4	434.1
24.5	75°	30.6	79.5	159.0	220.1	269.0	354.6	452.5	464.7	269.0
12.2	77.5°	24.5	61.1	122.3	177.3	183.4	262.9	317.9	360.7	201.8
12.2	80°	12.2	48.9	103.9	146.7	116.2	183.4	244.6	281.3	159.0
6.1	82.5°	12.2	30.6	79.5	103.9	85.6	140.6	177.3	201.8	134.5
6.1	85°	6.1	24.5	42.8	61.1	61.1	91.7	79.5	97.8	85.6
6.1	87.5°	6.1	12.2	24.5	30.6	24.5	36.7	42.8	42.8	36.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
48058.0
47954.1
47244.8
45233.2
41894.8
38030.6
33848.5
30137.1
26682.6
23490.9
20831.2
18483.4
16282.2
14289.0
12026.7
9446.5
7086.4
4634.6
2586.3
2109.4
1877.1
1736.4
1589.7
1467.4
1290.1
1137.3
996.6
868.2
648.1
385.2
250.7
201.8
165.1
146.7
85.6
30.6
0.0

(END OF REPORT)