

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: P637649

Luminaire Tested: **IFLD-S-SA6D-740-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637649
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-740-U-55-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5 distribution lens and Visor
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42948.4 lumens
Efficiency: N/A
Efficacy: 116.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G2

Input Watts (W): 368.2
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



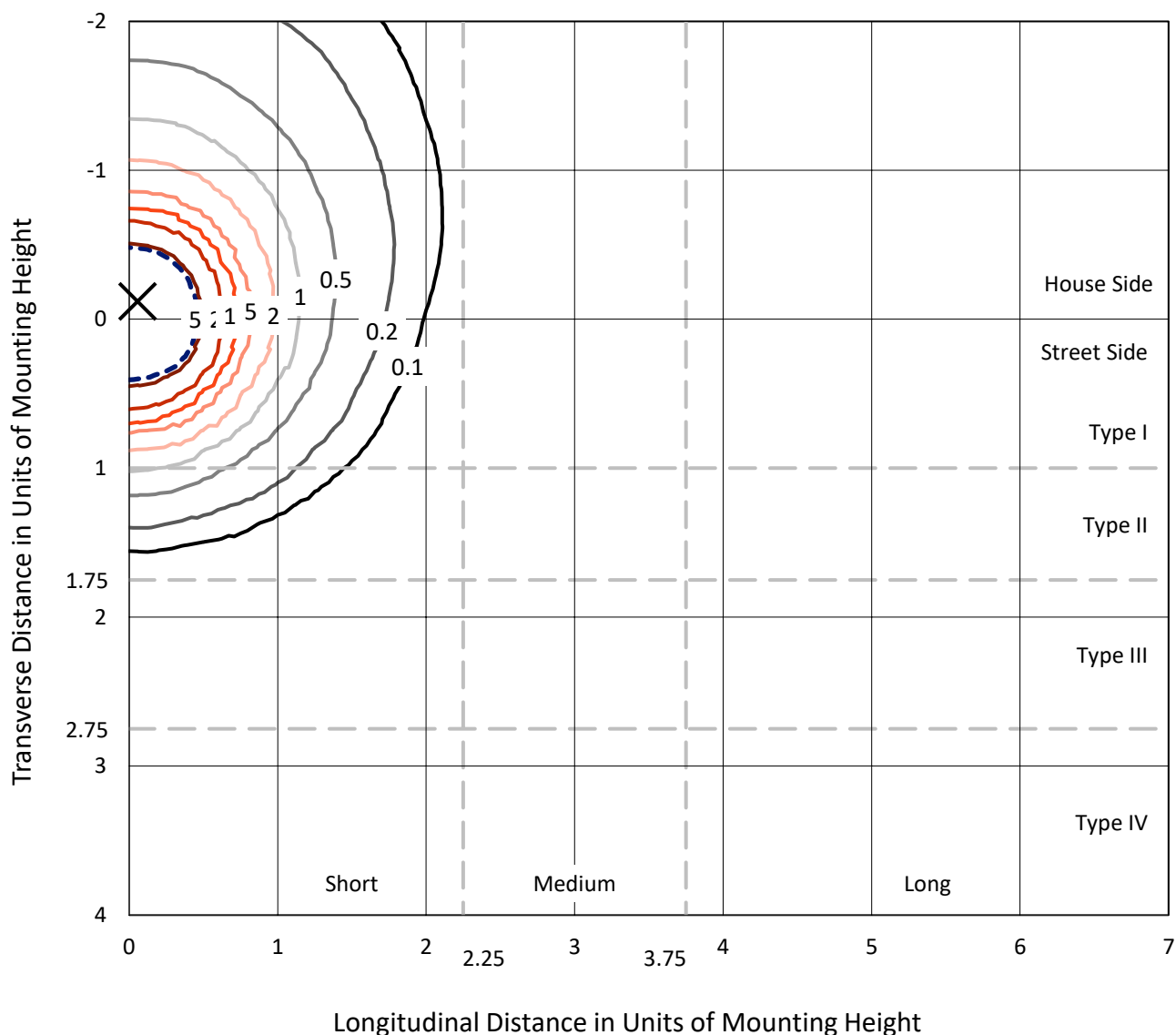
REPORT NUMBER: P637649

CATALOG NUMBER: IFLD-S-SA6D-740-U-55-VI

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

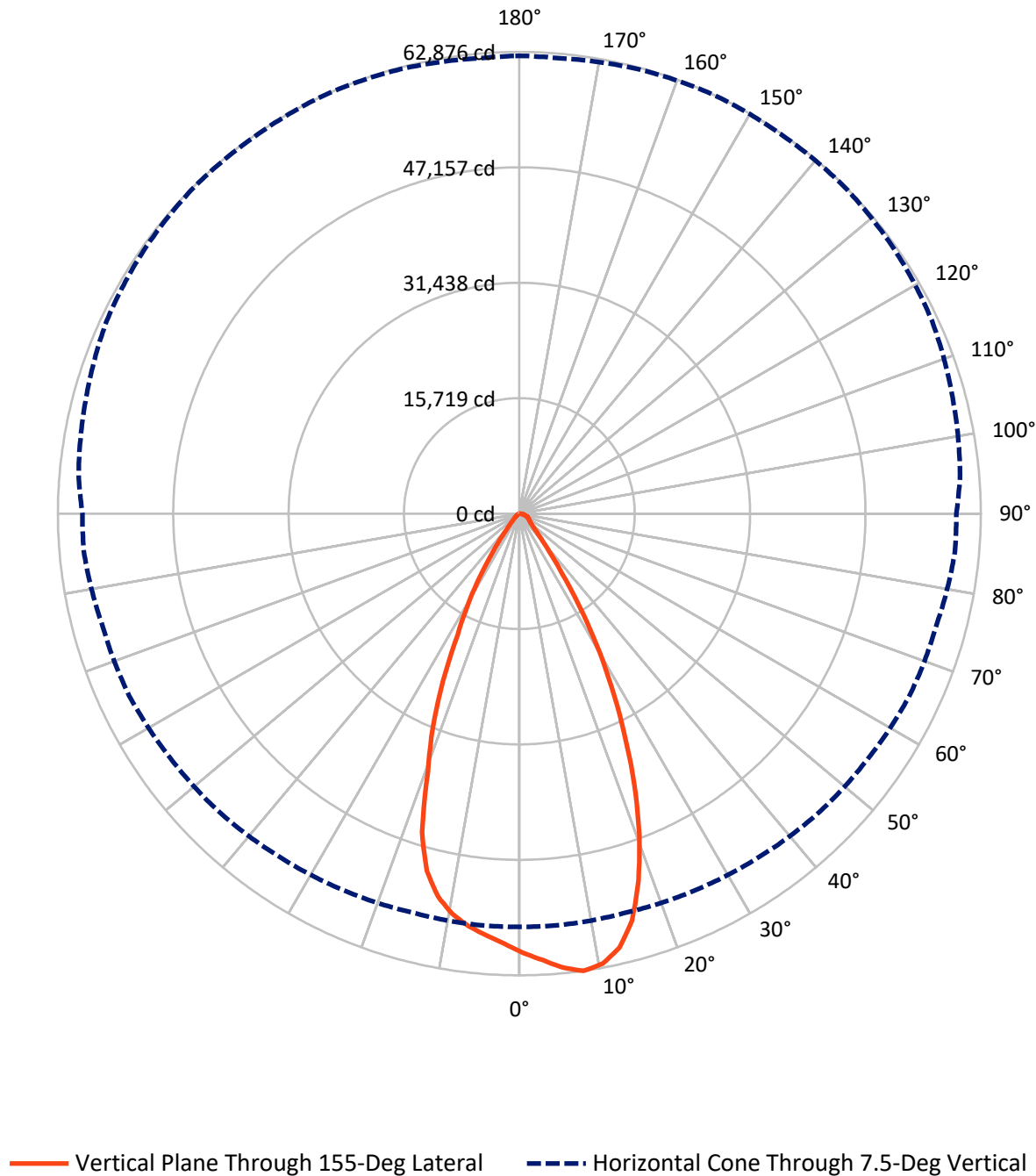


Based on 20 foot mounting height. Maximum calculated value = 152 fc

Type I - Short - N/A

REPORT NUMBER: P637649
CATALOG NUMBER: IFLD-S-SA6D-740-U-55-VI

Luminous Intensity Polar Plot



REPORT NUMBER: P637649

CATALOG NUMBER: IFLD-S-SA6D-740-U-55-VI

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23709.1	0.0	23709.1
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	19239.3	0.0	19239.3
	% Fixture	44.8	0.0	44.8
Total	Lumens	42948.4	0.0	42948.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5705.2	13.3
10°-20°	14793.7	34.4
20°-30°	13555.1	31.6
30°-40°	5476.3	12.8
40°-50°	1606.5	3.7
50°-60°	898.2	2.1
60°-70°	545.6	1.3
70°-80°	277.2	0.6
80°-90°	90.7	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°	42948.4	100.0
0°-180°	42948.4	100.0

Coefficient of Utilization



REPORT NUMBER: P637649

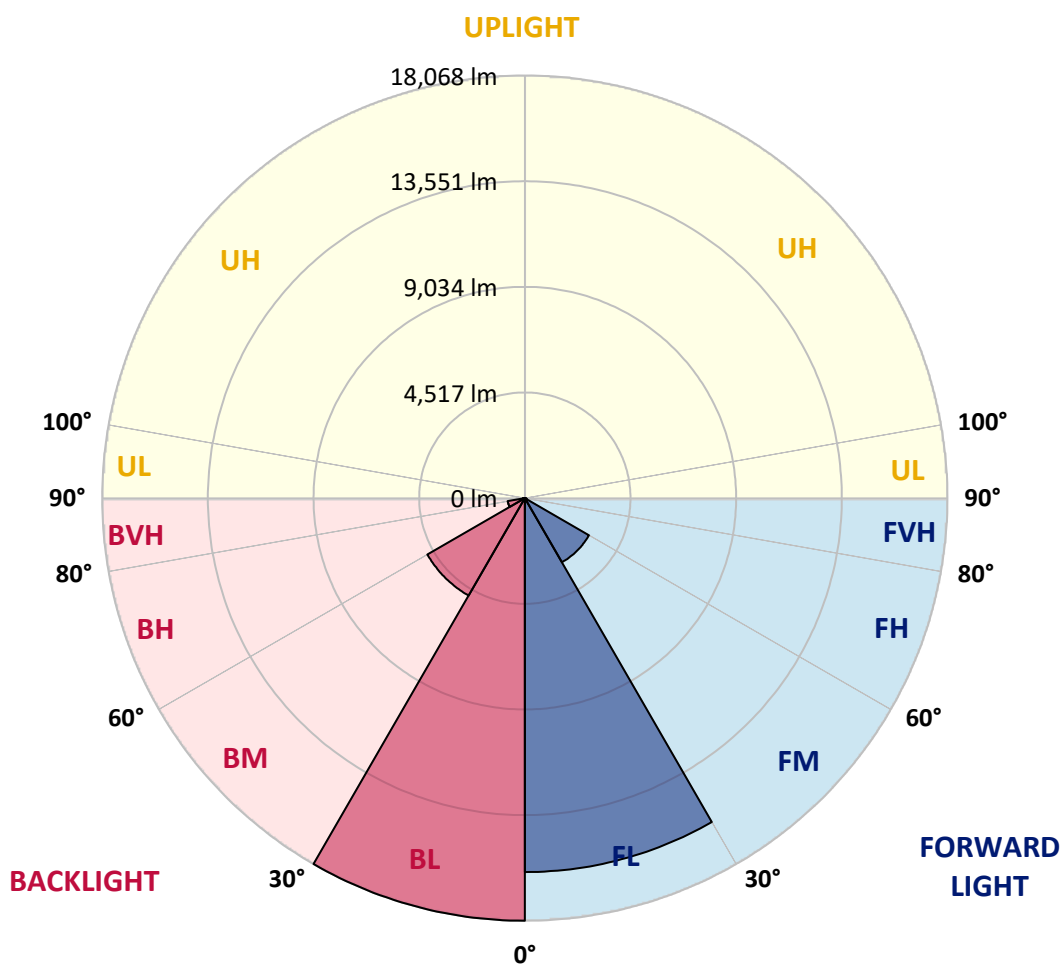
CATALOG NUMBER: IFLD-S-SA6D-740-U-55-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	15986.5	37.2			
FM	(30°-60°)	3168.2	7.4			
FH	(60°-80°)	76.8	0.2			G0/660
FVH	(80°-90°)	7.9	0.0			G0/10
BL	(0°-30°)	18067.5	42.1	B5		
BM	(30°-60°)	4812.8	11.2	B3/5000		
BH	(60°-80°)	746.0	1.7	B2/1000		G2/1000
BVH	(80°-90°)	82.8	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type I Short



REPORT NUMBER: P637649

CATALOG NUMBER: IFLD-S-SA6D-740-U-55-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	59830.5	59830.5	59830.5	59830.5	59830.5	59830.5	59830.5	59830.5	59830.5	59830.5
2.5°	58532.9	58731.0	58334.8	58597.3	58800.4	59285.7	59325.3	59493.7	59553.1	59993.9
5°	57423.6	57577.1	57255.2	57606.8	57894.1	58324.9	58656.7	59122.3	59379.8	59899.8
7.5°	56269.7	56304.3	56240.0	56611.4	57042.3	57636.5	58047.6	58656.7	58815.2	59558.1
10°	54873.1	54620.5	54744.3	55289.1	55932.9	56844.2	57126.4	57735.6	58017.9	58775.6
12.5°	52644.5	52773.2	52619.7	53313.1	53847.9	54883.0	55180.1	55794.2	56334.1	57002.6
15°	49504.6	49430.3	49742.3	50282.2	50861.6	51683.7	52164.1	52832.7	53243.7	53937.1
17.5°	42447.4	42700.0	43987.6	45339.6	46528.2	47489.0	48063.5	48618.1	48915.3	49668.1
20°	36658.0	36341.0	36514.4	37277.0	40659.6	42130.4	42734.6	42868.4	42992.2	43586.5
22.5°	30185.1	30081.1	30660.6	31517.4	32319.7	35712.1	36534.2	36222.2	36479.7	37039.3
25°	22414.8	22939.7	23454.8	25099.0	26139.0	27803.0	29363.0	29501.7	29595.8	29947.4
27.5°	18244.8	18061.6	18051.7	18512.2	20047.5	21434.2	22761.4	23068.5	23014.0	23350.8
30°	14342.3	14282.8	14074.8	14183.8	14030.3	15263.4	15887.4	17150.3	17081.0	17090.9
32.5°	10345.7	10122.8	10038.6	10202.0	10043.6	9929.7	10474.4	11900.7	11876.0	11975.0
35°	6259.9	6230.2	6299.5	6443.1	6126.2	6116.3	6230.2	7572.3	7735.7	7894.2
37.5°	3456.8	3427.1	3481.6	4011.5	3907.5	3813.4	3843.1	4551.3	5021.8	5140.6
40°	2278.1	2273.2	2312.8	2406.9	2585.2	2550.5	2565.4	2882.3	3328.0	3432.0
42.5°	1525.4	1530.3	1555.1	1664.0	1688.8	1867.1	1837.4	1911.6	2327.6	2416.8
45°	1218.3	1213.3	1228.2	1178.7	1208.4	1391.6	1411.4	1416.4	1773.0	1827.5
47.5°	960.8	960.8	975.6	911.2	896.4	1010.3	1114.3	1129.2	1416.4	1490.7
50°	673.5	673.5	747.8	718.1	752.8	787.4	901.3	916.2	1158.9	1238.1
52.5°	495.2	505.1	515.1	520.0	633.9	629.0	728.0	797.3	876.6	1015.3
55°	376.4	386.3	361.5	386.3	470.5	525.0	544.8	643.8	698.3	851.8
57.5°	247.6	272.4	252.6	297.1	317.0	406.1	435.8	529.9	564.6	698.3
60°	34.7	39.6	64.4	208.0	222.9	267.4	336.8	421.0	455.6	569.5
62.5°	5.0	5.0	14.9	34.7	148.6	178.3	252.6	292.2	336.8	425.9
65°	0.0	0.0	5.0	9.9	29.7	104.0	128.8	158.5	232.8	307.1
67.5°	0.0	0.0	5.0	9.9	14.9	34.7	54.5	104.0	133.7	213.0
70°	0.0	0.0	5.0	9.9	14.9	19.8	29.7	39.6	79.2	123.8
72.5°	0.0	0.0	5.0	9.9	14.9	19.8	24.8	29.7	34.7	79.2
75°	0.0	0.0	5.0	9.9	14.9	24.8	29.7	29.7	29.7	34.7
77.5°	0.0	0.0	5.0	9.9	19.8	29.7	34.7	29.7	24.8	24.8
80°	0.0	0.0	5.0	14.9	24.8	34.7	39.6	29.7	19.8	14.9
82.5°	0.0	0.0	5.0	14.9	24.8	34.7	39.6	34.7	19.8	14.9
85°	0.0	0.0	5.0	14.9	19.8	24.8	39.6	34.7	19.8	9.9
87.5°	0.0	0.0	0.0	5.0	5.0	9.9	19.8	14.9	9.9	5.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P637649

CATALOG NUMBER: IFLD-S-SA6D-740-U-55-VI

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
59830.5	0°	59830.5	59830.5	59830.5	59830.5	59830.5	59830.5	59830.5	59830.5	59830.5
59984.0	2.5°	60429.7	60652.6	61043.8	61152.8	61489.5	61103.3	60890.3	60910.1	60449.5
59835.4	5°	60429.7	60939.8	61623.3	61950.1	62197.7	62177.9	62123.5	61984.8	61648.0
59538.3	7.5°	60271.2	61103.3	62044.2	62480.0	62777.2	62752.4	62876.2	62653.4	62242.3
59008.4	10°	59761.1	60484.2	61643.1	61999.6	62480.0	62489.9	62336.4	62381.0	61648.0
57072.0	12.5°	58156.6	58721.1	59736.4	60142.5	60726.9	60821.0	60652.6	60588.2	59894.9
53897.5	15°	55051.4	55378.2	56398.4	56804.5	57384.0	57304.7	57473.1	57403.8	56794.6
49608.6	17.5°	50510.0	50614.0	51683.7	52025.4	52570.2	52783.2	52530.6	52852.5	52327.5
43690.5	20°	43997.5	44557.1	45760.6	46285.5	46602.5	46983.8	46652.0	47013.6	46399.4
36509.4	22.5°	37391.0	37722.8	38812.3	39570.0	40159.4	40233.7	40109.8	40362.4	39535.4
30180.2	25°	30175.2	30725.0	31586.7	32577.2	33156.6	33513.2	33191.3	33354.7	33221.0
23405.3	27.5°	23801.4	24291.7	24940.5	25678.4	26550.1	27015.6	26758.1	27035.4	26381.7
17452.4	30°	17467.3	17714.9	18447.9	19230.3	20186.2	20750.7	20775.5	21057.8	20671.5
12227.6	32.5°	12316.7	12534.6	12985.3	13505.3	14416.6	15045.5	14946.5	14986.1	14748.4
7968.5	35°	8008.1	8300.3	8622.2	8869.8	9419.5	10112.9	10058.4	10008.9	9845.5
5239.7	37.5°	5353.6	5467.5	5645.8	5868.6	6225.2	6661.0	6804.7	6626.4	6557.0
3536.0	40°	3620.2	3818.3	3937.2	4105.6	4274.0	4640.4	4739.5	4704.8	4635.5
2476.2	42.5°	2570.3	2723.8	2872.4	3035.8	3125.0	3352.8	3546.0	3491.5	3461.8
1881.9	45°	1951.3	2089.9	2263.3	2387.1	2476.2	2609.9	2793.2	2813.0	2768.4
1510.5	47.5°	1565.0	1688.8	1827.5	1981.0	2085.0	2169.2	2327.6	2387.1	2357.4
1272.8	50°	1327.3	1421.4	1555.1	1708.6	1822.5	1896.8	2035.5	2099.8	2080.0
1064.8	52.5°	1129.2	1243.1	1366.9	1495.6	1634.3	1708.6	1837.4	1931.5	1916.6
881.5	55°	936.0	1084.6	1213.3	1342.1	1500.6	1574.9	1688.8	1812.6	1787.8
747.8	57.5°	817.2	941.0	1074.7	1198.5	1366.9	1465.9	1569.9	1698.7	1693.7
614.1	60°	683.4	807.2	955.8	1059.8	1238.1	1376.8	1470.9	1604.6	1614.5
465.5	62.5°	544.8	698.3	812.2	955.8	1119.3	1282.7	1371.8	1505.5	1555.1
356.6	65°	406.1	574.5	703.2	846.9	1000.4	1183.6	1262.9	1396.6	1446.1
257.5	67.5°	302.1	430.9	594.3	718.1	891.4	1049.9	1144.0	1267.8	1302.5
153.5	70°	227.8	331.8	495.2	604.2	782.5	911.2	1005.3	1099.4	1144.0
104.0	72.5°	133.7	247.6	391.2	520.0	673.5	782.5	851.8	926.1	955.8
49.5	75°	94.1	188.2	307.1	430.9	544.8	633.9	698.3	762.7	792.4
24.8	77.5°	49.5	138.7	242.7	346.7	425.9	500.2	564.6	614.1	633.9
19.8	80°	29.7	99.0	198.1	272.4	326.9	391.2	455.6	490.3	485.3
14.9	82.5°	19.8	79.2	143.6	198.1	237.7	287.2	331.8	356.6	356.6
9.9	85°	14.9	54.5	99.0	153.5	158.5	198.1	208.0	232.8	237.7
9.9	87.5°	9.9	34.7	54.5	89.1	84.2	104.0	109.0	123.8	133.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
59830.5
60078.1
61757.0
62336.4
61435.1
59736.4
56987.8
52198.8
46349.9
39421.5
33136.8
26550.1
20740.8
14882.1
9701.8
6542.2
4645.4
3437.0
2763.5
2342.5
2075.1
1906.7
1787.8
1688.8
1614.5
1550.1
1441.2
1302.5
1134.1
945.9
782.5
629.0
480.4
351.6
232.8
128.8
0.0

(END OF REPORT)