

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: P636541

Luminaire Tested: **IFLD-S-SA3C-950-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636541
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3C-950-U-55-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5
distribution lens and Visor
Light Source: (48) 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12665.6 lumens
Efficiency: N/A
Efficacy: 78.8 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): 160.8
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



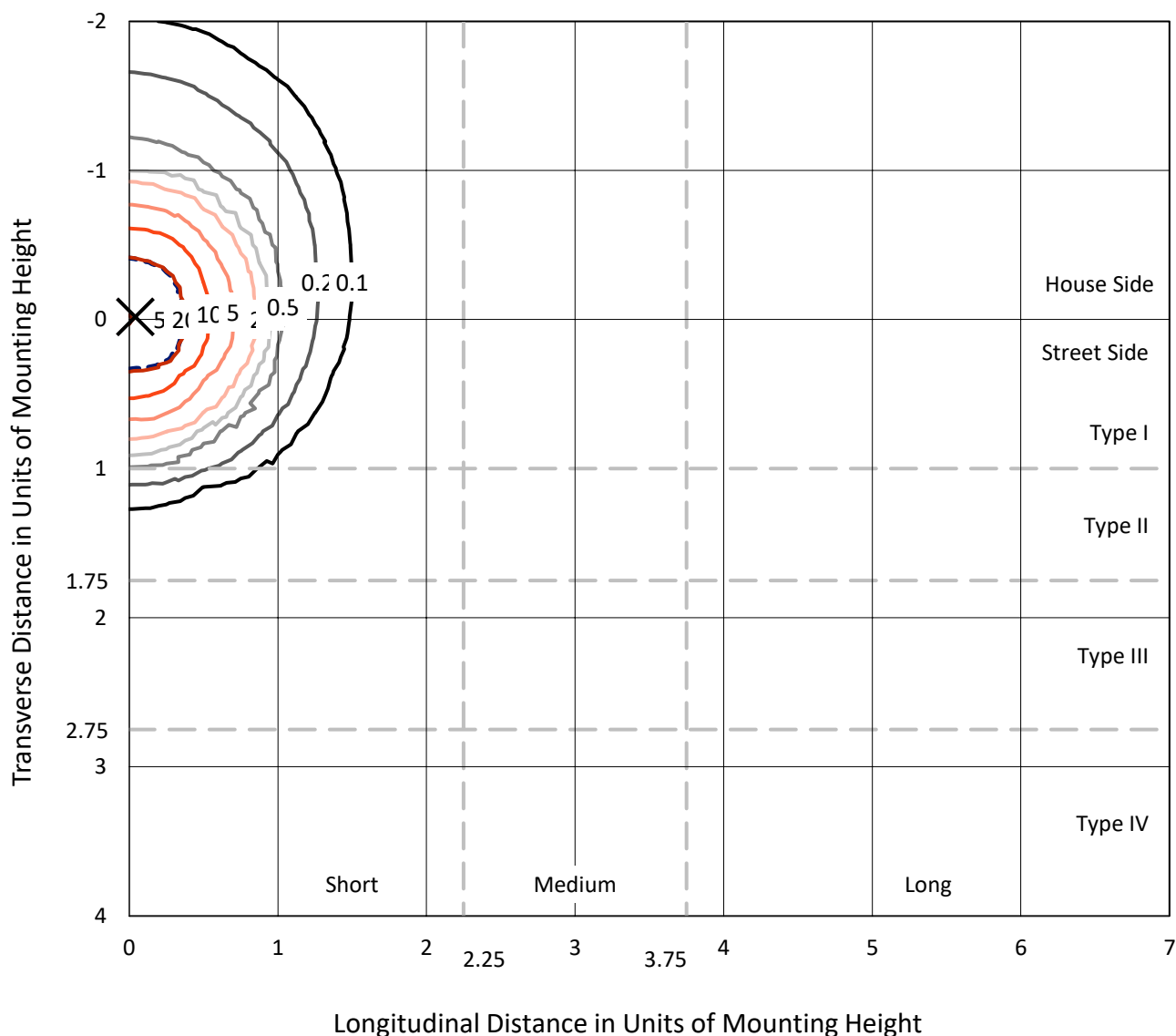
REPORT NUMBER: P636541

CATALOG NUMBER: IFLD-S-SA3C-950-U-55-VI

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

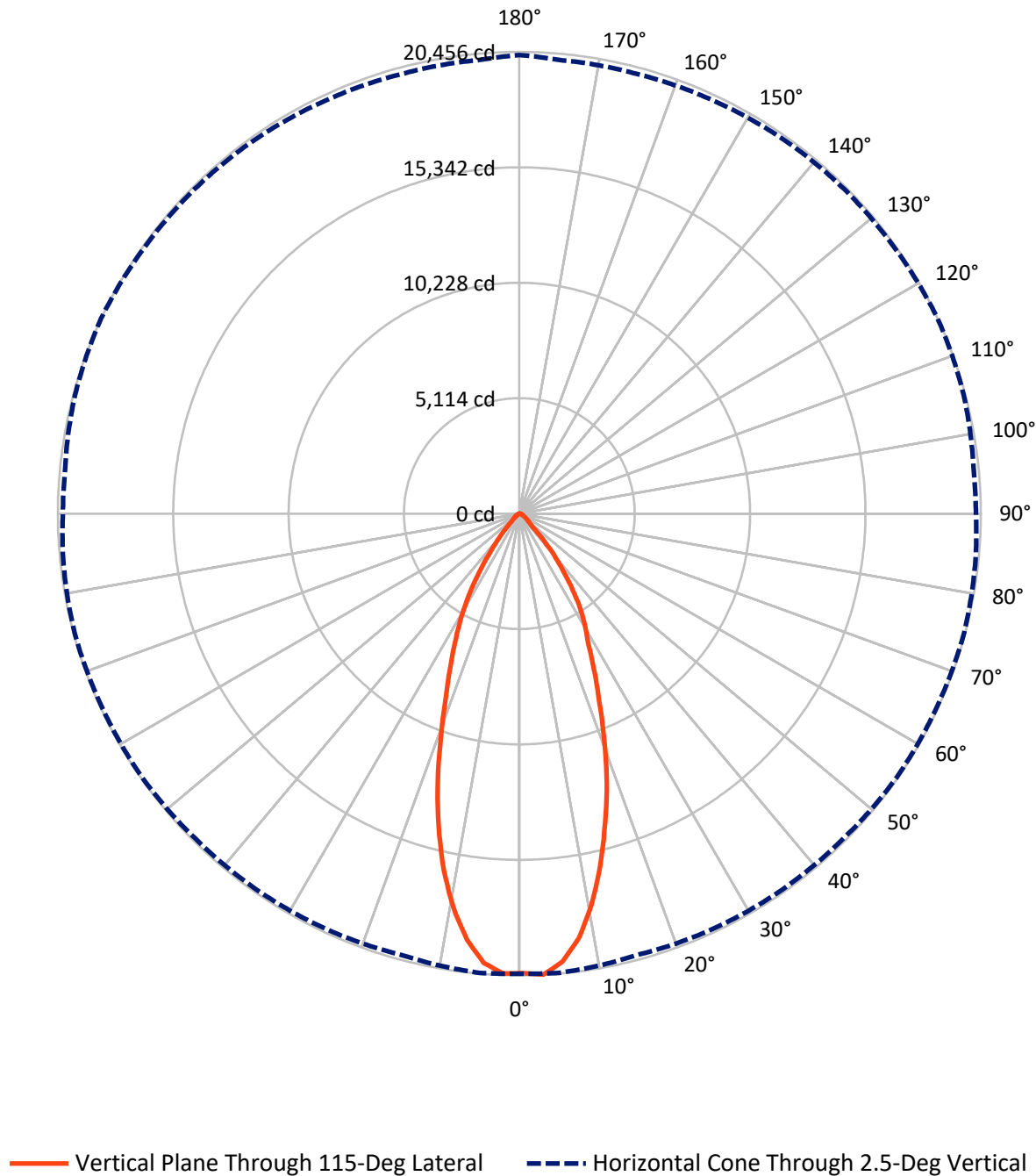


Based on 20 foot mounting height. Maximum calculated value = 50.9 fc

Type I - Short - N/A

REPORT NUMBER: P636541
CATALOG NUMBER: IFLD-S-SA3C-950-U-55-VI

Luminous Intensity Polar Plot



REPORT NUMBER: P636541

CATALOG NUMBER: IFLD-S-SA3C-950-U-55-VI

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6989.9	0.0	6989.9
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	5675.7	0.0	5675.7
	% Fixture	44.8	0.0	44.8
Total	Lumens	12665.6	0.0	12665.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1826.1	14.4
10°-20°	3859.5	30.5
20°-30°	3483.4	27.5
30°-40°	2305.2	18.2
40°-50°	690.5	5.5
50°-60°	277.0	2.2
60°-70°	143.4	1.1
70°-80°	62.3	0.5
80°-90°	18.1	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°	12665.6	100.0
0°-180°	12665.6	100.0

Coefficient of Utilization



REPORT NUMBER: P636541

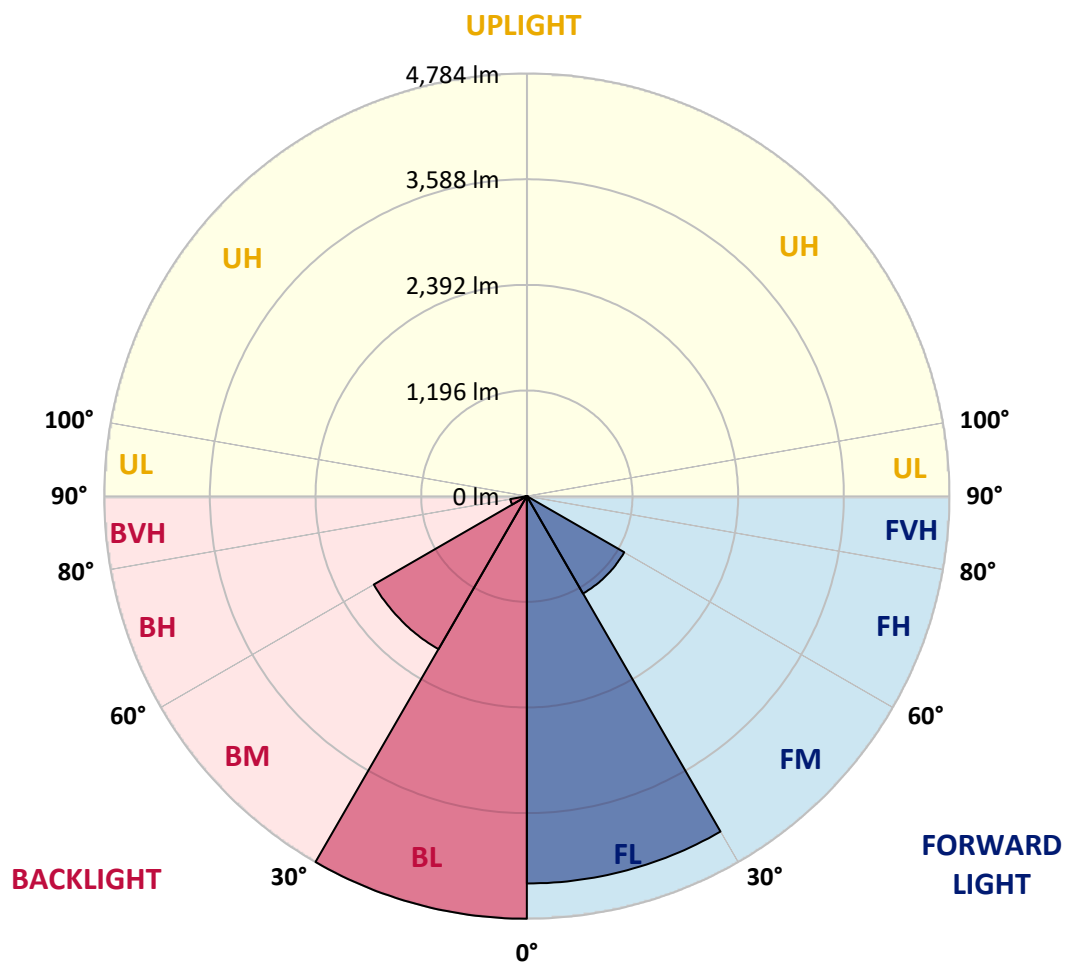
CATALOG NUMBER: IFLD-S-SA3C-950-U-55-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4384.9	34.6			
FM	(30°-60°)	1272.4	10.0			
FH	(60°-80°)	15.8	0.1			G0/660
FVH	(80°-90°)	2.6	0.0			G0/10
BL	(0°-30°)	4784.1	37.8	B4/5000		
BM	(30°-60°)	2000.3	15.8	B2/2500		
BH	(60°-80°)	190.0	1.5	B1/500		G1/500
BVH	(80°-90°)	15.5	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: P636541

CATALOG NUMBER: IFLD-S-SA3C-950-U-55-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	20359.9	20359.9	20359.9	20359.9	20359.9	20359.9	20359.9	20359.9	20359.9	20359.9
2.5°	20385.8	20422.0	20240.7	20302.9	20328.8	20336.6	20401.3	20391.0	20409.1	20313.3
5°	20116.4	20046.5	19911.8	19914.3	19906.6	19834.0	19981.7	19971.3	19940.2	19826.3
7.5°	19199.4	19300.4	19046.6	19041.4	19036.2	18948.2	19142.4	19023.3	19049.2	18886.0
10°	17857.6	17870.6	17645.2	17624.5	17642.6	17528.7	17754.0	17707.4	17756.6	17585.7
12.5°	16212.8	16285.3	16036.6	16000.4	16072.9	15912.3	16093.6	16116.9	16044.4	16021.1
15°	12715.9	12907.5	13379.0	14099.1	14285.6	14150.9	14296.0	14293.4	14324.4	14148.3
17.5°	9687.8	9705.9	9594.5	9939.0	11933.6	12581.2	12612.2	12366.2	12179.7	12114.9
20°	8457.4	8519.5	8418.5	8447.0	8765.6	10664.3	10736.9	10366.4	10047.8	10021.9
22.5°	7478.2	7517.1	7444.6	7467.9	7483.4	7706.2	8967.7	8641.3	8488.5	8371.9
25°	6649.3	6649.3	6610.5	6618.3	6602.7	6273.7	6921.3	7294.3	7206.3	7164.8
27.5°	5893.0	5903.3	5854.1	5882.6	5693.5	5162.5	5084.8	6185.7	6092.4	6017.3
30°	5175.5	5209.1	5162.5	5178.0	4766.2	4331.0	4108.2	5159.9	5276.5	5255.8
32.5°	3895.8	4048.7	4424.3	4439.8	3880.3	3546.1	3447.7	4141.9	4584.9	4546.0
35°	2414.2	2406.4	2421.9	3168.0	2976.3	2748.3	2784.6	3129.1	3629.0	3610.9
37.5°	1841.7	1839.1	1867.6	1792.5	1950.5	2085.2	2113.7	2113.7	2649.9	2652.5
40°	1396.2	1385.8	1383.2	1264.1	1059.4	1564.6	1517.9	1479.1	1841.7	1880.6
42.5°	891.1	922.2	898.8	769.3	691.6	854.8	953.2	922.2	1137.1	1165.6
45°	497.3	497.3	476.6	404.1	401.5	432.6	544.0	507.7	582.8	621.7
47.5°	240.9	235.7	259.0	318.6	331.6	321.2	388.5	404.1	440.4	476.6
50°	194.3	194.3	183.9	165.8	274.6	264.2	287.5	308.2	329.0	360.1
52.5°	163.2	163.2	150.2	139.9	158.0	202.0	204.6	243.5	240.9	284.9
55°	82.9	85.5	121.7	121.7	106.2	165.8	168.4	196.9	202.0	238.3
57.5°	7.8	10.4	15.5	75.1	82.9	90.7	126.9	145.1	168.4	183.9
60°	2.6	2.6	5.2	10.4	49.2	62.2	80.3	95.8	116.6	152.8
62.5°	0.0	0.0	2.6	5.2	10.4	38.9	44.0	49.2	69.9	95.8
65°	0.0	0.0	2.6	2.6	5.2	13.0	18.1	31.1	44.0	59.6
67.5°	0.0	0.0	2.6	2.6	5.2	7.8	10.4	15.5	20.7	38.9
70°	0.0	0.0	2.6	2.6	5.2	7.8	7.8	10.4	13.0	18.1
72.5°	0.0	0.0	2.6	2.6	5.2	10.4	7.8	7.8	10.4	13.0
75°	0.0	0.0	2.6	2.6	5.2	7.8	7.8	7.8	7.8	7.8
77.5°	0.0	0.0	2.6	2.6	5.2	7.8	7.8	7.8	5.2	5.2
80°	0.0	0.0	2.6	2.6	5.2	7.8	10.4	10.4	5.2	5.2
82.5°	0.0	0.0	2.6	5.2	5.2	13.0	15.5	13.0	5.2	2.6
85°	0.0	0.0	2.6	2.6	7.8	13.0	13.0	7.8	5.2	2.6
87.5°	0.0	0.0	0.0	2.6	2.6	5.2	7.8	7.8	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: P636541

CATALOG NUMBER: IFLD-S-SA3C-950-U-55-VI

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
20359.9	0°	20359.9	20359.9	20359.9	20359.9	20359.9	20359.9	20359.9	20359.9	20359.9
20235.5	2.5°	20225.2	20383.2	20455.7	20380.6	20344.3	20292.5	20217.4	20165.6	20176.0
19764.1	5°	19720.1	19885.9	19942.8	19878.1	19823.7	19795.2	19782.2	19808.1	19875.5
18816.1	7.5°	18810.9	18917.1	18979.2	18948.2	18873.0	18958.5	18981.8	18966.3	19064.7
17533.8	10°	17539.0	17655.6	17598.6	17611.6	17523.5	17567.5	17554.6	17611.6	17710.0
16003.0	12.5°	15899.4	16010.7	15966.7	15958.9	15865.7	15948.6	15896.8	15958.9	16088.5
14075.8	15°	14176.8	14246.7	14218.2	14174.2	14091.3	14119.8	14280.4	14270.0	14327.0
12076.1	17.5°	12024.2	12361.0	12544.9	12583.8	12516.4	12573.4	12687.4	12658.9	12788.4
9967.5	20°	9949.4	10288.7	10742.0	11109.9	11117.6	11125.4	11197.9	11216.1	11327.5
8374.5	22.5°	8338.2	8579.1	9066.1	9553.1	9889.8	9959.8	9952.0	9977.9	10009.0
7107.8	25°	7089.7	7265.8	7711.4	8048.1	8638.7	8835.6	8892.6	8835.6	8853.7
5991.4	27.5°	6058.7	6328.1	6475.8	6835.8	7413.5	7869.4	7851.2	7817.6	7822.8
5214.3	30°	5211.7	5501.8	5719.4	5828.2	6263.4	6921.3	6988.7	6892.8	6895.4
4527.9	32.5°	4499.4	4590.0	4911.2	4999.3	5279.1	5877.4	6108.0	6035.4	6022.5
3621.3	35°	3727.5	3776.7	3924.3	4097.9	4263.7	4717.0	5097.7	5030.4	5064.1
2662.8	37.5°	2652.5	2854.5	2997.0	3139.5	3258.6	3543.6	4002.0	3939.9	3973.5
1885.7	40°	1870.2	1960.9	2206.9	2269.1	2445.3	2577.4	2965.9	2945.2	2986.6
1170.8	42.5°	1150.1	1214.9	1339.2	1398.8	1517.9	1593.0	1821.0	1846.9	1901.3
647.6	45°	652.8	681.3	766.7	831.5	919.6	950.6	1030.9	1067.2	1098.3
502.5	47.5°	497.3	528.4	585.4	642.4	714.9	740.8	797.8	852.2	880.7
388.5	50°	406.7	435.2	494.8	541.4	613.9	637.2	683.8	743.4	779.7
295.3	52.5°	308.2	349.7	422.2	471.4	546.6	575.1	619.1	678.7	712.3
243.5	55°	253.9	284.9	349.7	417.0	487.0	525.8	554.3	626.9	663.1
199.5	57.5°	217.6	240.9	282.3	362.6	422.2	479.2	502.5	569.9	606.1
158.0	60°	165.8	202.0	238.3	300.5	367.8	427.4	453.3	512.9	541.4
114.0	62.5°	137.3	160.6	207.2	240.9	316.0	378.2	404.1	458.5	479.2
75.1	65°	95.8	129.5	173.6	194.3	264.2	323.8	360.1	401.5	422.2
44.0	67.5°	57.0	95.8	137.3	165.8	215.0	274.6	313.4	352.3	370.4
25.9	70°	36.3	75.1	108.8	139.9	168.4	225.4	272.0	305.7	297.9
15.5	72.5°	20.7	46.6	80.3	114.0	139.9	189.1	233.1	259.0	183.9
10.4	75°	13.0	33.7	67.3	93.3	114.0	150.2	191.7	196.9	114.0
5.2	77.5°	10.4	25.9	51.8	75.1	77.7	111.4	134.7	152.8	85.5
5.2	80°	5.2	20.7	44.0	62.2	49.2	77.7	103.6	119.2	67.3
2.6	82.5°	5.2	13.0	33.7	44.0	36.3	59.6	75.1	85.5	57.0
2.6	85°	2.6	10.4	18.1	25.9	25.9	38.9	33.7	41.4	36.3
2.6	87.5°	2.6	5.2	10.4	13.0	10.4	15.5	18.1	18.1	15.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
20359.9
20315.8
20015.4
19163.2
17748.8
16111.8
14340.0
12767.7
11304.1
9952.0
8825.2
7830.5
6898.0
6053.6
5095.2
4002.0
3002.2
1963.5
1095.7
893.7
795.2
735.6
673.5
621.7
546.6
481.8
422.2
367.8
274.6
163.2
106.2
85.5
69.9
62.2
36.3
13.0
0.0

(END OF REPORT)