

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: P1211326

Luminaire Tested: **ARCH4-240-730-U-T3RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211326
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-4)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH4-240-730-U-T3RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 940mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24558 lumens
Efficiency: N/A
Efficacy: 102.2 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

Input Watts (W): 240.2
Input Voltage (V): NR
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: 24 FT



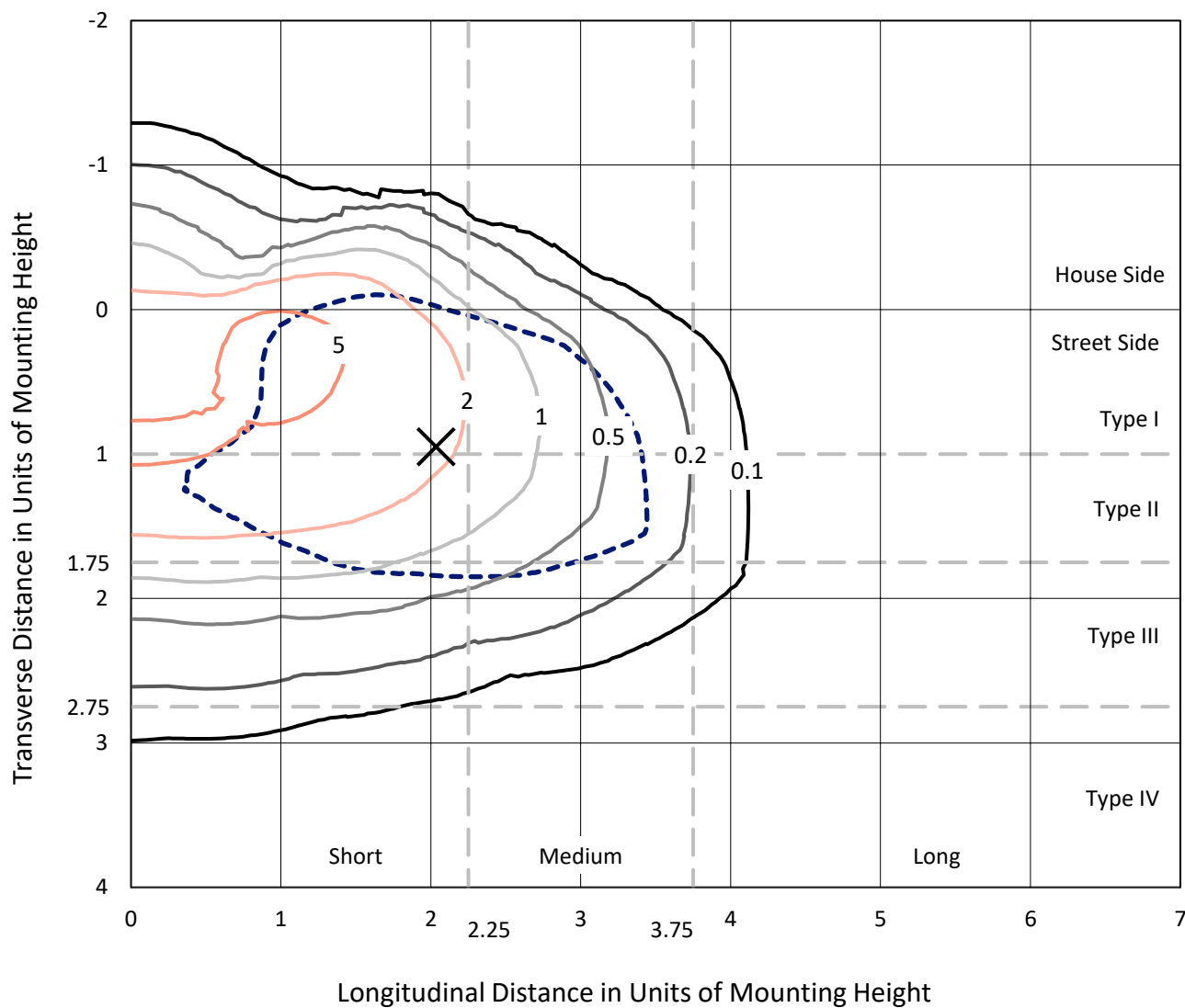
REPORT NUMBER: P1211326

CATALOG NUMBER: ARCH4-240-730-U-T3RE-HSS

Iso-Footcandle Lines of Horizontal Illumination

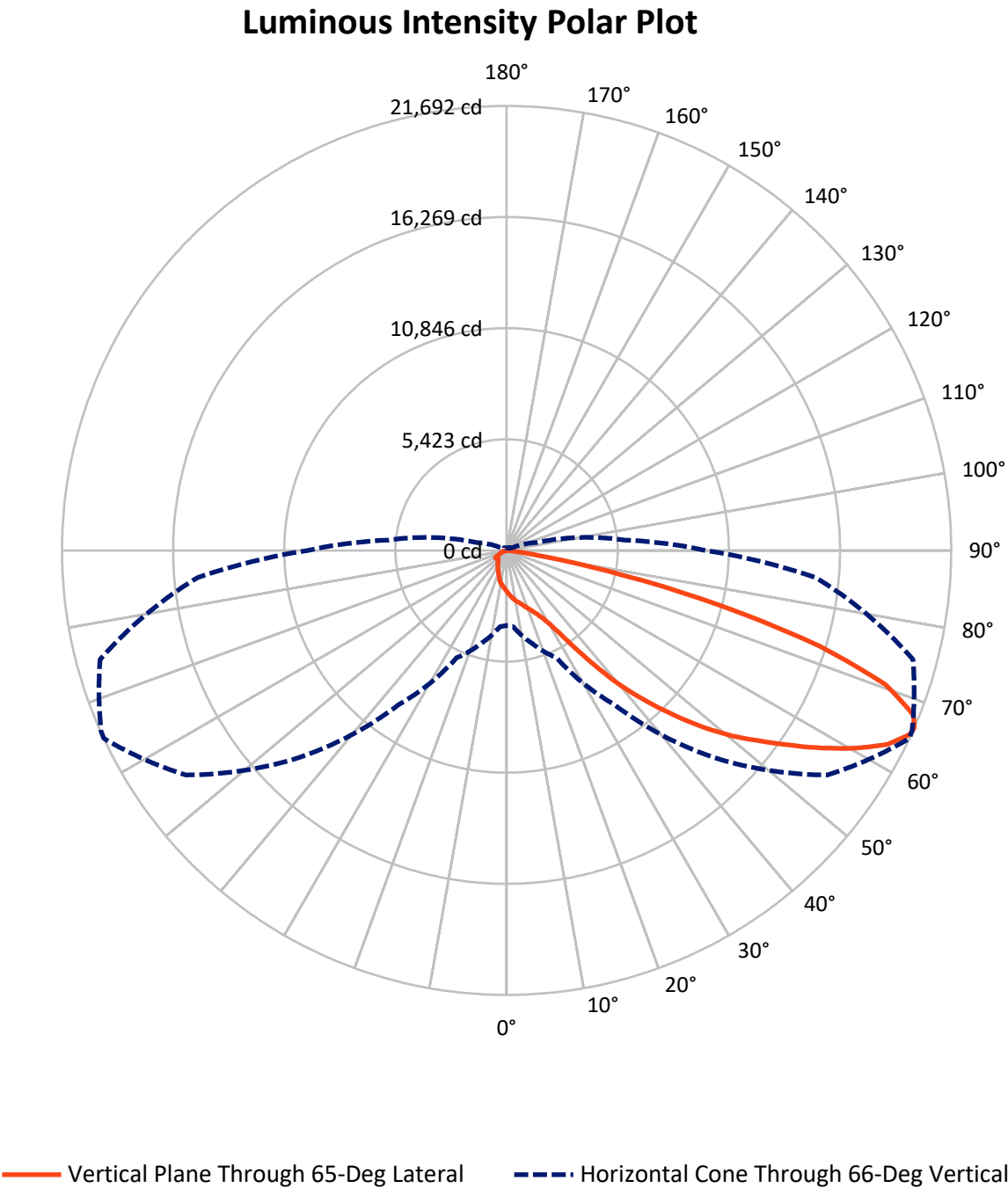
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 fc
 Type III - Short - N/A

REPORT NUMBER: P1211326
CATALOG NUMBER: ARCH4-240-730-U-T3RE-HSS



REPORT NUMBER: P1211326

CATALOG NUMBER: ARCH4-240-730-U-T3RE-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2898.4	0.0	2898.4
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	21659.7	0.0	21659.7
	% Fixture	88.2	0.0	88.2
Total	Lumens	24558.0	0.0	24558.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.7	0.8
10°-20°	561.5	2.3
20°-30°	1027.7	4.2
30°-40°	2088.3	8.5
40°-50°	4410.0	18.0
50°-60°	6779.5	27.6
60°-70°	6824.1	27.8
70°-80°	2549.8	10.4
80°-90°	127.4	0.5
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°	24558.0	100.0
0°-180°	24558.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1211326

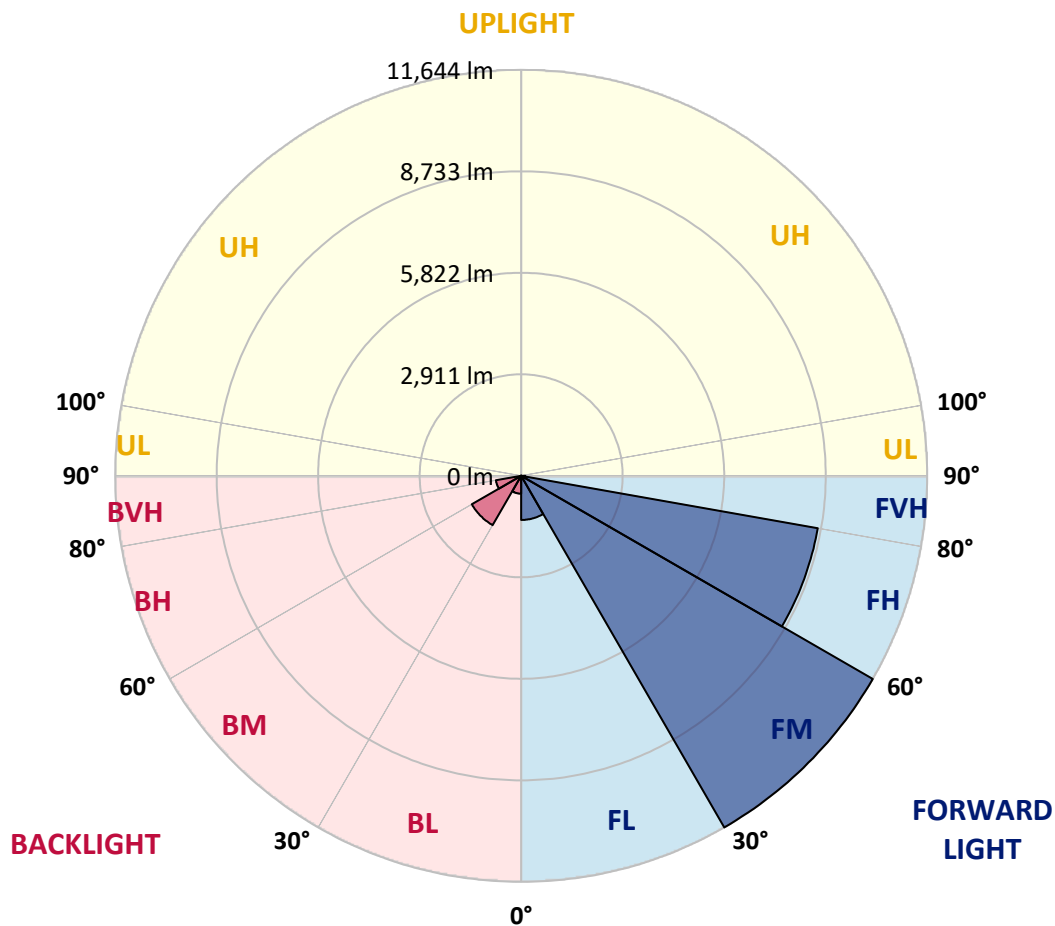
CATALOG NUMBER: ARCH4-240-730-U-T3RE-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1265.9	5.2			
FM	(30°-60°)	11643.7	47.4			
FH	(60°-80°)	8637.6	35.2			G4/12000
FVH	(80°-90°)	112.4	0.5			G2/225
BL	(0°-30°)	513.0	2.1	B2/1000		
BM	(30°-60°)	1634.1	6.7	B2/2500		
BH	(60°-80°)	736.3	3.0	B2/1000		G2/1000
BVH	(80°-90°)	15.0	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type III Short



REPORT NUMBER: P1211326

CATALOG NUMBER: ARCH4-240-730-U-T3RE-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	2000.8	2000.8	2000.8	2000.8	2000.8	2000.8	2000.8	2000.8	2000.8	2000.8	2000.8
2.5°	2281.5	2286.0	2277.1	2259.2	2241.4	2219.1	2183.5	2125.6	2116.6	2076.5	2032.0
5°	2437.5	2446.4	2433.0	2428.6	2419.7	2388.5	2339.4	2254.8	2245.9	2165.7	2063.2
7.5°	2491.0	2504.3	2495.4	2495.4	2495.4	2482.0	2459.8	2384.0	2370.6	2268.2	2112.2
10°	2531.1	2540.0	2535.5	2553.3	2566.7	2557.8	2544.4	2499.9	2486.5	2384.0	2179.0
12.5°	2593.4	2597.9	2602.4	2611.3	2633.6	2642.5	2638.0	2597.9	2589.0	2517.7	2263.7
15°	2651.4	2651.4	2655.8	2695.9	2727.1	2745.0	2749.4	2718.2	2709.3	2651.4	2370.6
17.5°	2704.8	2709.3	2722.7	2767.2	2820.7	2856.4	2878.6	2865.3	2851.9	2807.3	2495.4
20°	2785.1	2794.0	2807.3	2869.7	2923.2	2981.1	3025.7	3021.2	3016.8	2985.6	2642.5
22.5°	2923.2	2932.1	2954.4	3012.3	3065.8	3137.1	3212.8	3208.4	3195.0	3172.7	2816.3
25°	3132.6	3132.6	3146.0	3195.0	3261.9	3346.5	3417.8	3431.2	3417.8	3404.5	3034.6
27.5°	3395.5	3400.0	3400.0	3453.5	3515.9	3622.8	3711.9	3725.3	3725.3	3711.9	3328.7
30°	3760.9	3747.6	3738.7	3783.2	3850.1	4006.0	4162.0	4188.7	4175.4	4197.6	3743.1
32.5°	4389.3	4367.0	4291.2	4300.1	4340.2	4554.1	4817.0	4910.6	4906.2	4946.3	4411.5
35°	5258.2	5213.6	5102.2	5008.6	5004.2	5235.9	5637.0	5989.0	5984.5	6122.7	5427.5
37.5°	6238.5	6296.5	6087.0	5926.6	5877.6	6060.3	6577.2	7339.2	7379.3	7619.9	6759.9
40°	7548.6	7584.3	7316.9	7089.6	6857.9	6924.8	7606.6	8791.9	8863.2	9130.5	8092.3
42.5°	8689.4	8725.0	8569.1	8292.8	7998.7	7873.9	8644.8	10110.9	10168.8	10538.7	9464.7
45°	9464.7	9491.5	9545.0	9571.7	9237.5	8979.0	9914.8	11465.5	11536.8	11964.6	10806.0
47.5°	10070.8	10093.1	10200.0	10467.4	10400.5	10195.5	11207.1	12873.7	12891.5	13368.3	12111.7
50°	10351.5	10405.0	10667.9	11077.8	11372.0	11429.9	12610.7	14206.0	14255.0	14709.6	13346.0
52.5°	10039.6	10057.4	10721.4	11492.3	12084.9	12673.1	14018.9	15440.4	15583.0	15921.6	14455.6
55°	8987.9	9117.2	10124.2	11478.9	12646.4	13854.0	15525.0	16772.7	16902.0	17115.9	15431.5
57.5°	7767.0	7909.6	9135.0	10904.1	12887.0	14945.7	16919.8	18189.8	18278.9	18336.8	16327.1
60°	6710.9	6844.6	8105.6	9803.4	12646.4	15716.6	18216.5	19597.9	19673.7	19517.7	16777.2
62.5°	5414.2	5547.8	6817.8	8346.3	11701.7	15872.6	19179.0	20850.1	20881.3	20457.9	16500.9
65°	4081.8	4170.9	5231.5	6541.5	10048.5	15043.8	19397.4	21629.9	21598.7	20729.7	15672.1
66°	3658.5	3734.2	4670.0	5784.0	9188.5	14286.2	19103.3	21692.3	21661.1	20529.2	15128.4
67.5°	3154.9	3177.2	3948.1	4732.4	7686.8	12677.6	18207.6	21407.1	21433.8	19976.7	14134.7
70°	2464.2	2459.8	2905.4	3293.1	5249.3	9019.1	15186.4	19611.3	19740.5	17891.2	12053.7
72.5°	1577.5	1524.0	1782.4	2014.2	3056.9	5235.9	11073.4	15984.0	16202.4	14054.5	8979.0
75°	940.2	886.8	949.1	1007.1	1466.1	2517.7	6510.4	10877.3	11086.8	9010.2	5342.9
77.5°	704.1	681.8	686.2	637.2	650.6	944.7	2972.2	5748.4	5899.9	3689.6	2027.5
80°	539.2	481.3	450.1	472.3	427.8	374.3	1105.1	1978.5	2072.1	873.4	423.3
82.5°	360.9	311.9	289.6	316.4	271.8	209.4	267.4	383.2	374.3	236.2	164.9
85°	187.2	160.4	160.4	160.4	138.1	102.5	115.9	156.0	156.0	124.8	98.0
87.5°	53.5	49.0	57.9	53.5	40.1	40.1	44.6	53.5	53.5	49.0	44.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1211326

CATALOG NUMBER: ARCH4-240-730-U-T3RE-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2000.8	2000.8	2000.8	2000.8	2000.8	2000.8	2000.8	2000.8	2000.8	2000.8	2000.8
2.5°	1996.3	1978.5	1929.5	1893.8	1858.2	1827.0	1791.3	1782.4	1764.6	1769.1	1760.2
5°	2009.7	1960.7	1876.0	1795.8	1733.4	1679.9	1613.1	1586.4	1550.7	1537.4	1528.4
7.5°	2027.5	1956.2	1831.5	1720.1	1613.1	1506.2	1399.2	1336.8	1296.7	1278.9	1265.5
10°	2067.6	1974.0	1809.2	1635.4	1452.7	1301.2	1194.2	1149.7	1122.9	1118.5	1114.0
12.5°	2121.1	2000.8	1786.9	1528.4	1287.8	1145.2	1078.4	1065.0	1060.6	1060.6	1056.1
15°	2201.3	2045.3	1751.2	1403.7	1158.6	1060.6	1029.4	1007.1	998.2	998.2	998.2
17.5°	2281.5	2098.8	1697.8	1274.4	1069.5	1007.1	975.9	962.5	953.6	958.1	953.6
20°	2384.0	2161.2	1626.5	1163.0	1011.5	962.5	931.3	918.0	913.5	913.5	913.5
22.5°	2499.9	2232.5	1537.4	1078.4	962.5	918.0	886.8	873.4	864.5	868.9	868.9
25°	2655.8	2321.6	1443.8	993.7	913.5	873.4	837.7	819.9	819.9	824.4	828.8
27.5°	2856.4	2428.6	1350.2	940.2	868.9	828.8	788.7	770.9	775.4	784.3	784.3
30°	3150.5	2575.6	1256.6	882.3	819.9	775.4	739.7	721.9	730.8	748.6	748.6
32.5°	3569.3	2816.3	1176.4	815.5	748.6	699.6	664.0	650.6	672.9	708.5	708.5
35°	4318.0	3257.4	1127.4	748.6	672.9	614.9	570.4	557.0	588.2	632.8	632.8
37.5°	5320.6	3965.9	1145.2	690.7	610.5	543.6	494.6	476.8	499.1	539.2	552.6
40°	6439.1	4821.5	1301.2	641.7	552.6	485.7	436.7	418.9	432.2	450.1	454.5
42.5°	7557.5	5730.5	1595.3	606.0	508.0	436.7	392.1	378.8	387.7	392.1	396.6
45°	8671.6	6630.7	1965.1	583.7	467.9	396.6	352.0	352.0	356.5	356.5	356.5
47.5°	9727.7	7508.5	2352.8	579.3	432.2	356.5	320.8	325.3	325.3	329.8	329.8
50°	10725.8	8292.8	2745.0	592.7	401.0	320.8	294.1	294.1	294.1	298.6	294.1
52.5°	11559.1	8979.0	3154.9	614.9	369.9	294.1	267.4	267.4	267.4	271.8	267.4
55°	12347.8	9602.9	3573.8	646.1	343.1	271.8	245.1	236.2	236.2	240.6	236.2
57.5°	12989.5	10017.3	3970.4	650.6	320.8	249.5	227.3	213.9	213.9	213.9	213.9
60°	13016.2	9776.7	4086.2	570.4	294.1	227.3	205.0	187.2	191.6	191.6	191.6
62.5°	12165.1	8511.1	3284.1	427.8	262.9	205.0	187.2	169.3	169.3	169.3	169.3
65°	10494.1	6621.8	1925.0	338.7	227.3	182.7	164.9	151.5	151.5	151.5	147.1
66°	9709.8	5806.3	1475.0	307.5	213.9	178.2	160.4	147.1	142.6	138.1	138.1
67.5°	8430.9	4589.8	922.4	271.8	196.1	164.9	147.1	133.7	129.2	124.8	124.8
70°	6349.9	2914.3	450.1	209.4	169.3	142.6	129.2	115.9	111.4	106.9	102.5
72.5°	4456.1	1706.7	236.2	160.4	138.1	124.8	111.4	98.0	93.6	89.1	89.1
75°	2517.7	824.4	156.0	115.9	111.4	102.5	93.6	80.2	75.8	75.8	75.8
77.5°	953.6	285.2	106.9	84.7	89.1	80.2	66.8	66.8	62.4	66.8	62.4
80°	249.5	124.8	66.8	62.4	66.8	57.9	49.0	53.5	53.5	53.5	53.5
82.5°	133.7	71.3	40.1	44.6	40.1	40.1	31.2	35.6	40.1	35.6	40.1
85°	93.6	35.6	22.3	22.3	17.8	17.8	13.4	17.8	22.3	17.8	17.8
87.5°	49.0	13.4	13.4	13.4	13.4	8.9	4.5	0.0	4.5	4.5	4.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)