

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: P1211230

Luminaire Tested: **ARCH4-210-730-U-T3RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211230
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: ARCH4-210-730-U-T3RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 835mA 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: 22270 lumens
Efficiency: N/A
Efficacy: 104.5 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): 213.1
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



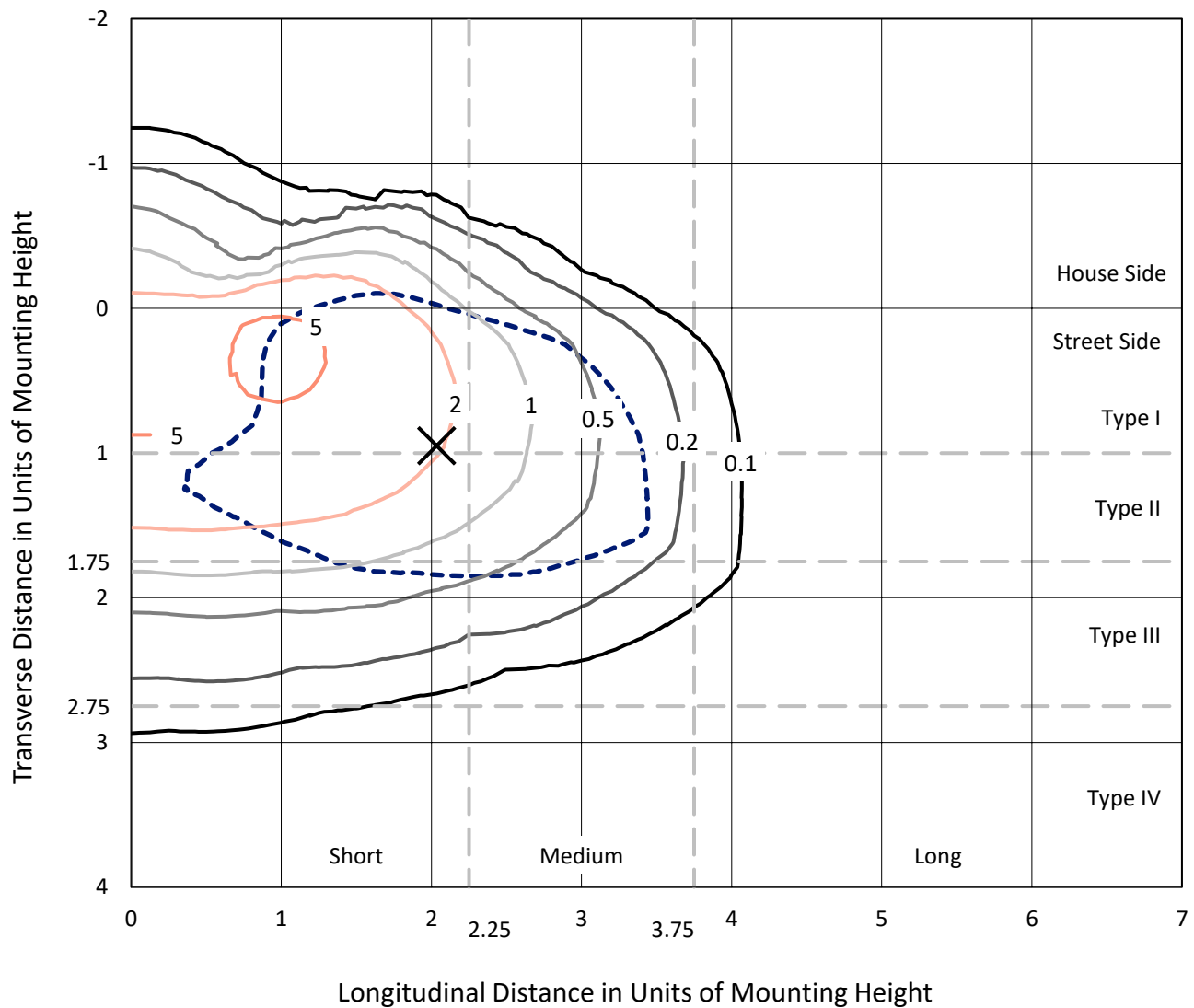
REPORT NUMBER: P1211230

CATALOG NUMBER: ARCH4-210-730-U-T3RE-HSS

Iso-Footcandle Lines of Horizontal Illumination

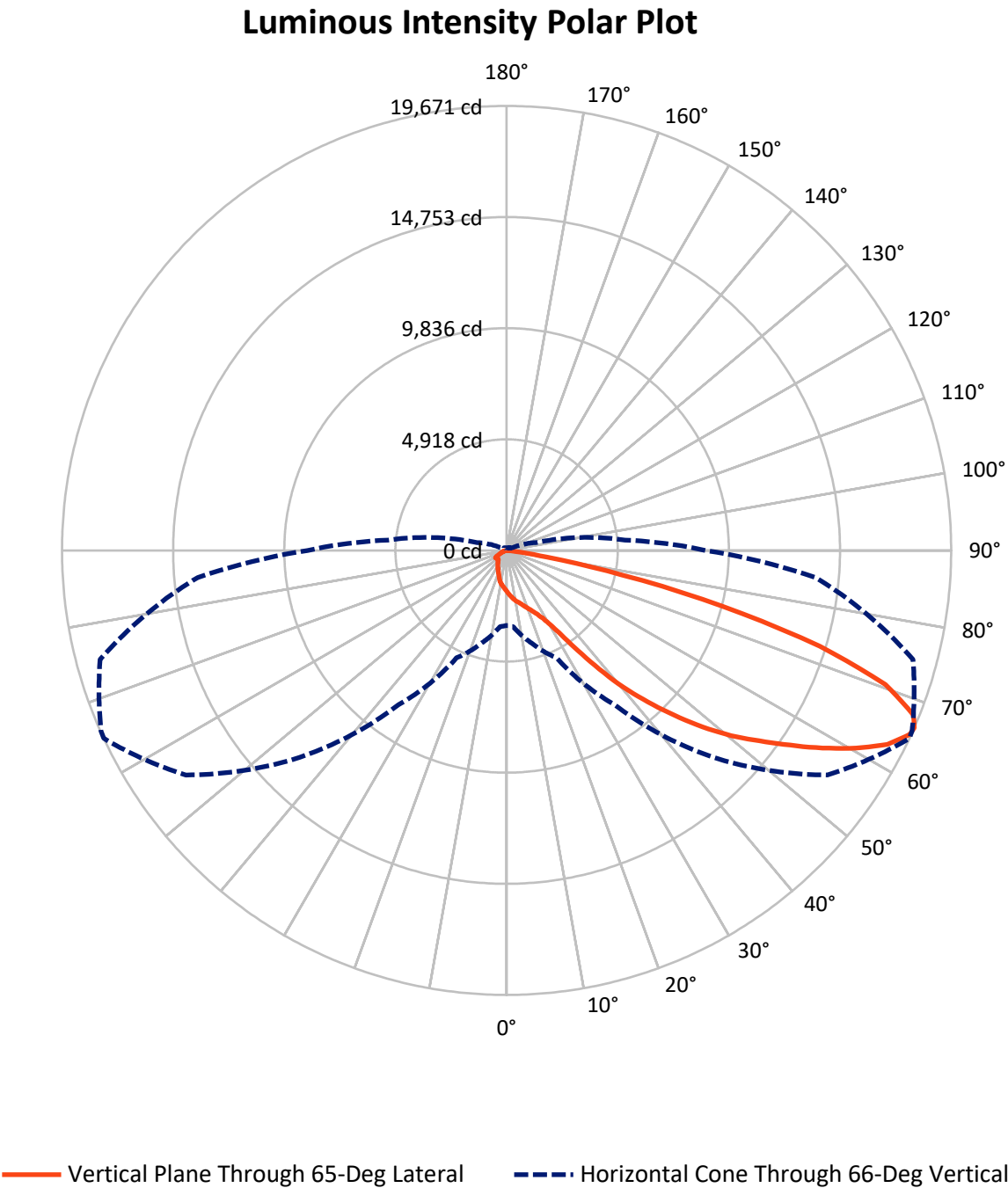
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 fc
Type III - Short - N/A

REPORT NUMBER: P1211230
CATALOG NUMBER: ARCH4-210-730-U-T3RE-HSS



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CATALOG NUMBER: ARCH4-210-730-U-T3RE-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2628.3	0.0	2628.3
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	19641.7	0.0	19641.7
	% Fixture	88.2	0.0	88.2
Total	Lumens	22270.0	0.0	22270.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.0	0.8
10°-20°	509.2	2.3
20°-30°	932.0	4.2
30°-40°	1893.8	8.5
40°-50°	3999.1	18.0
50°-60°	6147.9	27.6
60°-70°	6188.3	27.8
70°-80°	2312.3	10.4
80°-90°	115.5	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°	22270.0	100.0
0°-180°	22270.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1211230

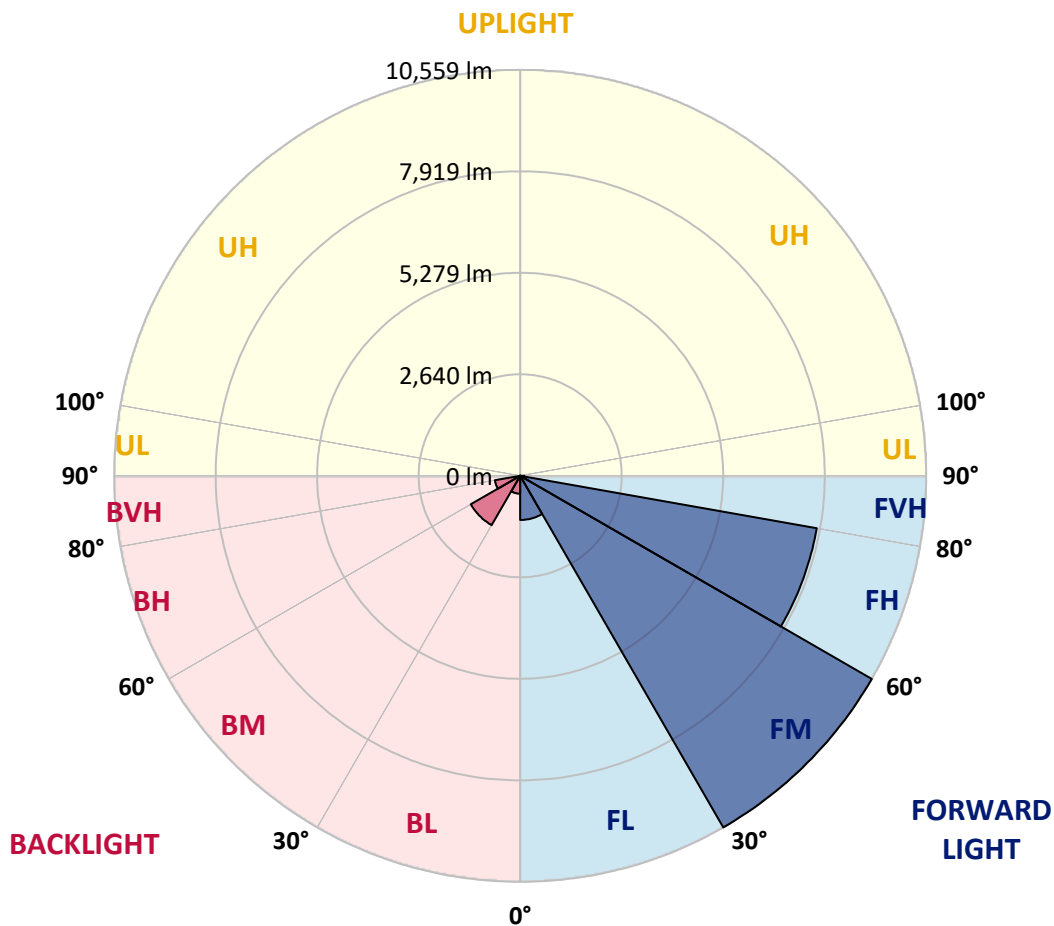
CATALOG NUMBER: ARCH4-210-730-U-T3RE-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1148.0	5.2			
FM	(30°-60°)	10558.9	47.4			
FH	(60°-80°)	7832.9	35.2			G4/12000
FVH	(80°-90°)	101.9	0.5			G2/225
BL	(0°-30°)	465.2	2.1	B1/500		
BM	(30°-60°)	1481.9	6.7	B2/2500		
BH	(60°-80°)	667.7	3.0	B2/1000		G2/1000
BVH	(80°-90°)	13.6	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type III Short



REPORT NUMBER: P1211230

CATALOG NUMBER: ARCH4-210-730-U-T3RE-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1814.4	1814.4	1814.4	1814.4	1814.4	1814.4	1814.4	1814.4	1814.4	1814.4	1814.4
2.5°	2069.0	2073.0	2064.9	2048.8	2032.6	2012.4	1980.1	1927.5	1919.4	1883.1	1842.7
5°	2210.4	2218.5	2206.3	2202.3	2194.2	2165.9	2121.5	2044.7	2036.6	1963.9	1871.0
7.5°	2258.9	2271.0	2262.9	2262.9	2262.9	2250.8	2230.6	2161.9	2149.8	2056.8	1915.4
10°	2295.2	2303.3	2299.3	2315.5	2327.6	2319.5	2307.4	2267.0	2254.8	2161.9	1976.0
12.5°	2351.8	2355.9	2359.9	2368.0	2388.2	2396.3	2392.2	2355.9	2347.8	2283.1	2052.8
15°	2404.4	2404.4	2408.4	2444.8	2473.1	2489.2	2493.3	2465.0	2456.9	2404.4	2149.8
17.5°	2452.8	2456.9	2469.0	2509.4	2557.9	2590.2	2610.4	2598.3	2586.2	2545.8	2262.9
20°	2525.6	2533.7	2545.8	2602.4	2650.9	2703.4	2743.8	2739.8	2735.7	2707.4	2396.3
22.5°	2650.9	2658.9	2679.1	2731.7	2780.2	2844.8	2913.5	2909.5	2897.3	2877.1	2553.9
25°	2840.8	2840.8	2852.9	2897.3	2958.0	3034.7	3099.4	3111.5	3099.4	3087.3	2751.9
27.5°	3079.2	3083.2	3083.2	3131.7	3188.3	3285.3	3366.1	3378.2	3378.2	3366.1	3018.6
30°	3410.5	3398.4	3390.3	3430.8	3491.4	3632.8	3774.2	3798.5	3786.4	3806.6	3394.4
32.5°	3980.3	3960.1	3891.4	3899.5	3935.9	4129.8	4368.2	4453.1	4449.1	4485.4	4000.5
35°	4768.3	4727.9	4626.9	4542.0	4538.0	4748.1	5111.8	5431.0	5427.0	5552.2	4921.9
37.5°	5657.3	5709.8	5519.9	5374.4	5330.0	5495.7	5964.4	6655.4	6691.8	6910.0	6130.1
40°	6845.3	6877.7	6635.2	6429.1	6219.0	6279.6	6897.9	7972.8	8037.4	8279.9	7338.3
42.5°	7879.8	7912.1	7770.7	7520.2	7253.5	7140.3	7839.4	9168.9	9221.4	9556.8	8582.9
45°	8582.9	8607.2	8655.7	8679.9	8376.9	8142.5	8991.1	10397.3	10462.0	10849.9	9799.3
47.5°	9132.5	9152.7	9249.7	9492.1	9431.5	9245.7	10162.9	11674.3	11690.4	12122.8	10983.3
50°	9387.1	9435.6	9674.0	10045.8	10312.5	10365.0	11435.8	12882.5	12926.9	13339.1	12102.6
52.5°	9104.2	9120.4	9722.5	10421.6	10959.0	11492.4	12712.8	14001.8	14131.1	14438.2	13108.8
55°	8150.6	8267.7	9181.0	10409.4	11468.2	12563.3	14078.6	15210.1	15327.3	15521.2	13993.7
57.5°	7043.3	7172.7	8283.9	9888.2	11686.4	13553.3	15343.4	16495.1	16575.9	16628.4	14806.0
60°	6085.6	6206.9	7350.5	8890.1	11468.2	14252.4	16519.3	17772.0	17840.7	17699.3	15214.1
62.5°	4909.7	5031.0	6182.6	7568.7	10611.5	14393.8	17392.2	18907.5	18935.8	18551.9	14963.6
65°	3701.5	3782.3	4744.1	5932.1	9112.3	13642.2	17590.2	19614.7	19586.4	18798.4	14212.0
66°	3317.6	3386.3	4234.9	5245.1	8332.4	12955.2	17323.5	19671.3	19643.0	18616.6	13719.0
67.5°	2861.0	2881.2	3580.3	4291.5	6970.6	11496.5	16511.2	19412.6	19436.9	18115.5	12817.8
70°	2234.6	2230.6	2634.7	2986.2	4760.2	8178.8	13771.5	17784.1	17901.3	16224.3	10930.7
72.5°	1430.5	1382.0	1616.4	1826.5	2772.1	4748.1	10041.7	14494.8	14692.8	12745.1	8142.5
75°	852.6	804.1	860.7	913.3	1329.5	2283.1	5903.8	9863.9	10053.8	8170.8	4845.1
77.5°	638.5	618.3	622.3	577.9	590.0	856.7	2695.3	5212.8	5350.2	3345.9	1838.6
80°	489.0	436.4	408.1	428.3	387.9	339.4	1002.2	1794.2	1879.0	792.0	383.9
82.5°	327.3	282.9	262.7	286.9	246.5	189.9	242.5	347.5	339.4	214.2	149.5
85°	169.7	145.5	145.5	145.5	125.3	92.9	105.1	141.4	141.4	113.1	88.9
87.5°	48.5	44.5	52.5	48.5	36.4	36.4	40.4	48.5	48.5	44.5	40.4
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: P1211230

CATALOG NUMBER: ARCH4-210-730-U-T3RE-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1814.4	1814.4	1814.4	1814.4	1814.4	1814.4	1814.4	1814.4	1814.4	1814.4	1814.4
2.5°	1810.3	1794.2	1749.7	1717.4	1685.1	1656.8	1624.5	1616.4	1600.2	1604.2	1596.2
5°	1822.5	1778.0	1701.2	1628.5	1571.9	1523.4	1462.8	1438.6	1406.2	1394.1	1386.0
7.5°	1838.6	1774.0	1660.8	1559.8	1462.8	1365.8	1268.9	1212.3	1175.9	1159.7	1147.6
10°	1875.0	1790.1	1640.6	1483.0	1317.3	1180.0	1083.0	1042.6	1018.3	1014.3	1010.2
12.5°	1923.5	1814.4	1620.4	1386.0	1167.8	1038.5	977.9	965.8	961.7	961.7	957.7
15°	1996.2	1854.8	1588.1	1272.9	1050.6	961.7	933.5	913.3	905.2	905.2	905.2
17.5°	2069.0	1903.3	1539.6	1155.7	969.8	913.3	885.0	872.8	864.8	868.8	864.8
20°	2161.9	1959.9	1474.9	1054.7	917.3	872.8	844.6	832.4	828.4	828.4	828.4
22.5°	2267.0	2024.5	1394.1	977.9	872.8	832.4	804.1	792.0	783.9	788.0	788.0
25°	2408.4	2105.3	1309.3	901.1	828.4	792.0	759.7	743.5	743.5	747.6	751.6
27.5°	2590.2	2202.3	1224.4	852.6	788.0	751.6	715.2	699.1	703.1	711.2	711.2
30°	2856.9	2335.7	1139.5	800.1	743.5	703.1	670.8	654.6	662.7	678.9	678.9
32.5°	3236.8	2553.9	1066.8	739.5	678.9	634.4	602.1	590.0	610.2	642.5	642.5
35°	3915.7	2953.9	1022.4	678.9	610.2	557.6	517.2	505.1	533.4	573.8	573.8
37.5°	4824.9	3596.4	1038.5	626.3	553.6	493.0	448.5	432.4	452.6	489.0	501.1
40°	5839.1	4372.3	1180.0	581.9	501.1	440.5	396.0	379.8	392.0	408.1	412.2
42.5°	6853.4	5196.6	1446.7	549.6	460.7	396.0	355.6	343.5	351.6	355.6	359.6
45°	7863.7	6012.9	1782.1	529.4	424.3	359.6	319.2	319.2	323.3	323.3	323.3
47.5°	8821.4	6809.0	2133.6	525.3	392.0	323.3	290.9	295.0	295.0	299.0	299.0
50°	9726.5	7520.2	2489.2	537.4	363.7	290.9	266.7	266.7	266.7	270.7	266.7
52.5°	10482.2	8142.5	2861.0	557.6	335.4	266.7	242.5	242.5	242.5	246.5	242.5
55°	11197.4	8708.2	3240.8	585.9	311.2	246.5	222.3	214.2	214.2	218.2	214.2
57.5°	11779.3	9084.0	3600.5	590.0	290.9	226.3	206.1	194.0	194.0	194.0	194.0
60°	11803.6	8865.8	3705.5	517.2	266.7	206.1	185.9	169.7	173.8	173.8	173.8
62.5°	11031.7	7718.2	2978.2	387.9	238.4	185.9	169.7	153.6	153.6	153.6	153.6
65°	9516.4	6004.8	1745.7	307.1	206.1	165.7	149.5	137.4	137.4	137.4	133.4
66°	8805.2	5265.3	1337.5	278.8	194.0	161.6	145.5	133.4	129.3	125.3	125.3
67.5°	7645.4	4162.2	836.5	246.5	177.8	149.5	133.4	121.2	117.2	113.1	113.1
70°	5758.3	2642.8	408.1	189.9	153.6	129.3	117.2	105.1	101.0	97.0	92.9
72.5°	4040.9	1547.7	214.2	145.5	125.3	113.1	101.0	88.9	84.9	80.8	80.8
75°	2283.1	747.6	141.4	105.1	101.0	92.9	84.9	72.7	68.7	68.7	68.7
77.5°	864.8	258.6	97.0	76.8	80.8	72.7	60.6	60.6	56.6	60.6	56.6
80°	226.3	113.1	60.6	56.6	60.6	52.5	44.5	48.5	48.5	48.5	48.5
82.5°	121.2	64.7	36.4	40.4	36.4	36.4	28.3	32.3	36.4	32.3	36.4
85°	84.9	32.3	20.2	20.2	16.2	16.2	12.1	16.2	20.2	16.2	16.2
87.5°	44.5	12.1	12.1	12.1	12.1	8.1	4.0	0.0	4.0	4.0	4.0
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)