

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: P1211325

Luminaire Tested: **ARCH4-240-730-U-T2RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211325
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH4-240-730-U-T2RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 940mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE II
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34629 lumens
Efficiency: N/A
Efficacy: 144.2 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - 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



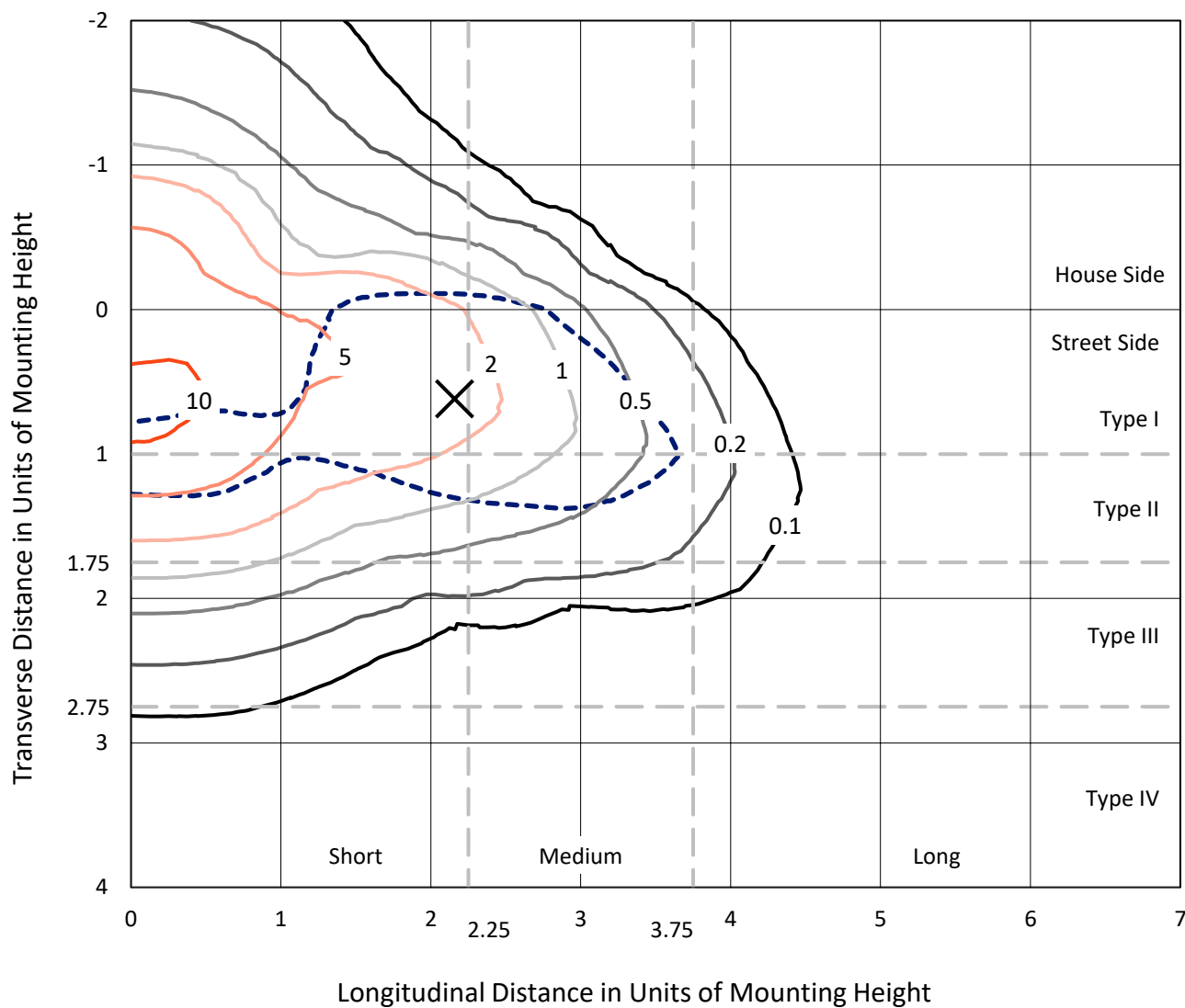
REPORT NUMBER: P1211325

CATALOG NUMBER: ARCH4-240-730-U-T2RE

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

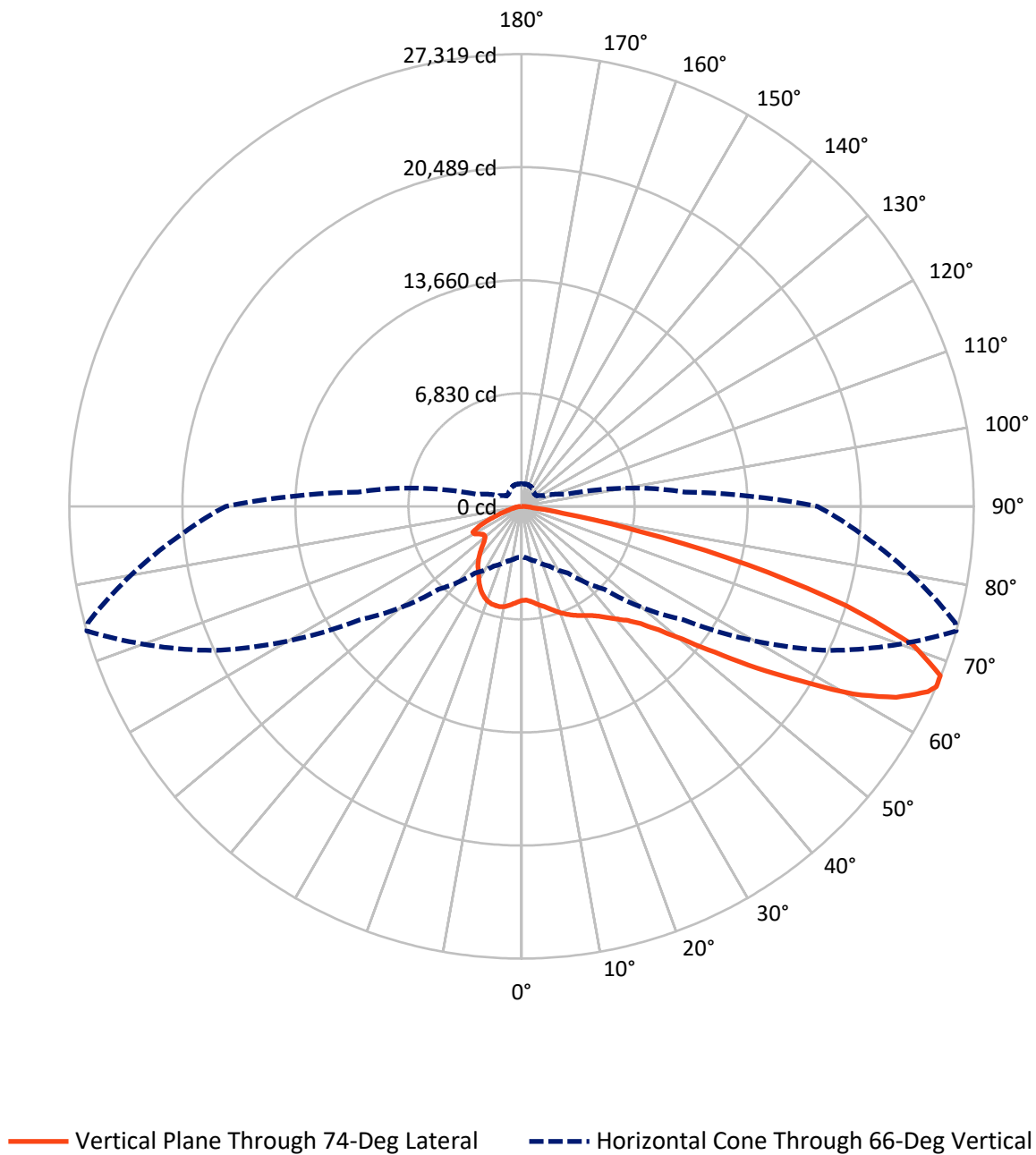


Based on 25 foot mounting height. Maximum calculated value = 10.9 fc
 Type II - Short - N/A

REPORT NUMBER: P1211325

CATALOG NUMBER: ARCH4-240-730-U-T2RE

Luminous Intensity Polar Plot



REPORT NUMBER: P1211325

CATALOG NUMBER: ARCH4-240-730-U-T2RE

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8433.1	0.0	8433.1
	% Fixture	24.4	0.0	24.4
Street Side	Lumens	26195.9	0.0	26195.9
	% Fixture	75.6	0.0	75.6
Total	Lumens	34629.0	0.0	34629.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	541.5	1.6
10°-20°	1665.3	4.8
20°-30°	3124.9	9.0
30°-40°	4806.9	13.9
40°-50°	6465.7	18.7
50°-60°	7646.4	22.1
60°-70°	7073.3	20.4
70°-80°	2975.7	8.6
80°-90°	329.3	1.0
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°	34629.0	100.0
0°-180°	34629.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1211325

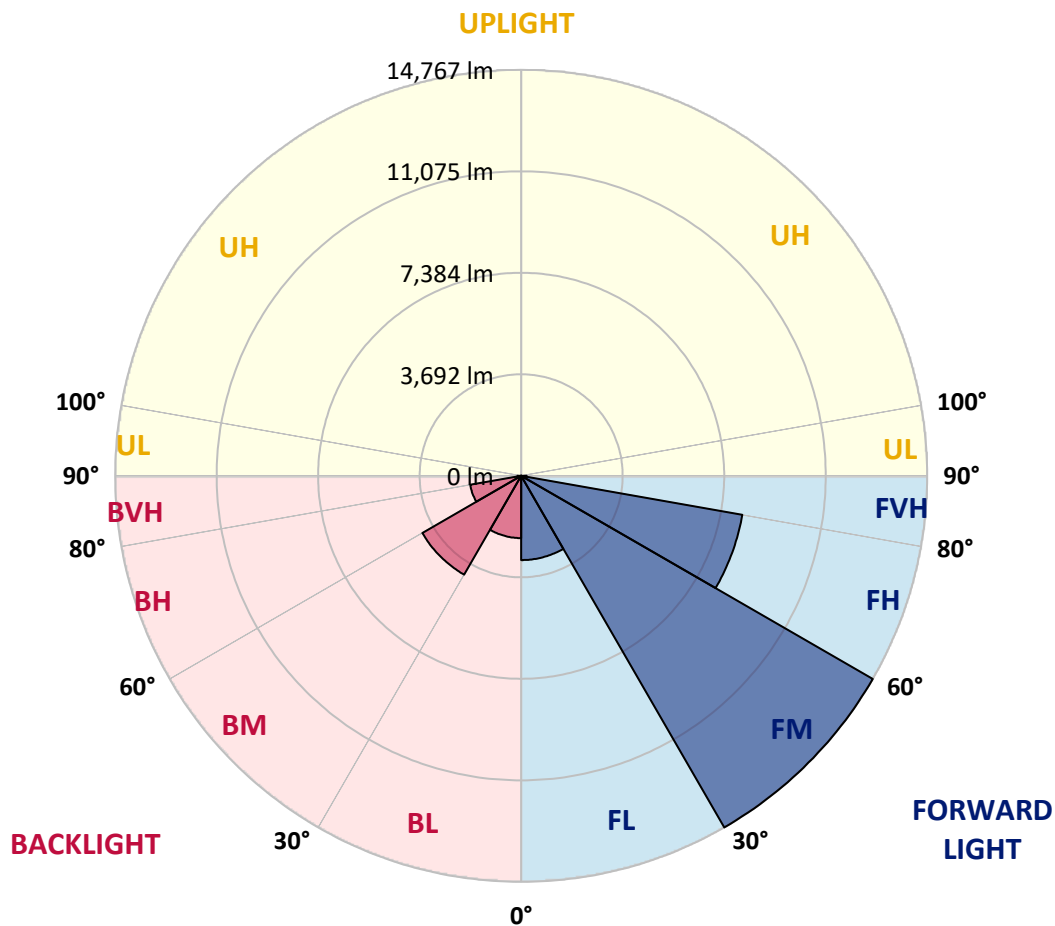
CATALOG NUMBER: ARCH4-240-730-U-T2RE

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3065.1	8.9			
FM	(30°-60°)	14767.3	42.6			
FH	(60°-80°)	8166.5	23.6			G4/12000
FVH	(80°-90°)	197.0	0.6			G2/225
BL	(0°-30°)	2266.6	6.5	B3/2500		
BM	(30°-60°)	4151.6	12.0	B3/5000		
BH	(60°-80°)	1882.6	5.4	B3/2500		G3/2500
BVH	(80°-90°)	132.3	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type II Short



REPORT NUMBER: P1211325

CATALOG NUMBER: ARCH4-240-730-U-T2RE

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	5676.8	5676.8	5676.8	5676.8	5676.8	5676.8	5676.8	5676.8	5676.8	5676.8	5676.8
2.5°	5659.0	5650.1	5667.9	5694.7	5708.0	5685.8	5676.8	5672.4	5672.4	5659.0	5681.3
5°	5391.7	5387.2	5427.3	5476.3	5569.9	5636.7	5725.9	5779.3	5779.3	5734.8	5752.6
7.5°	5044.1	5035.2	5084.2	5177.8	5307.0	5454.0	5672.4	5841.7	5908.6	5899.6	5895.2
10°	5177.8	5168.9	5164.4	5137.7	5182.2	5324.8	5552.1	5850.6	6077.9	6082.3	6086.8
12.5°	5641.2	5663.5	5641.2	5556.5	5458.5	5405.0	5538.7	5872.9	6220.5	6247.2	6358.6
15°	6273.9	6251.7	6207.1	6109.1	5957.6	5797.2	5699.1	5975.4	6425.4	6447.7	6692.8
17.5°	6830.9	6848.8	6822.0	6728.4	6550.2	6340.8	6042.2	6153.6	6643.8	6706.2	7049.3
20°	7436.9	7508.2	7472.6	7356.7	7209.7	6897.8	6523.5	6412.1	6884.4	6929.0	7419.1
22.5°	8136.5	8212.3	8145.4	8034.0	7913.7	7530.5	7049.3	6728.4	7084.9	7178.5	7775.6
25°	8974.2	9045.5	8983.1	8809.4	8657.9	8190.0	7615.2	7084.9	7281.0	7383.5	8065.2
27.5°	9638.2	9691.6	9749.6	9647.1	9415.4	8929.7	8203.4	7454.8	7477.0	7584.0	8332.6
30°	10230.8	10364.5	10413.5	10426.9	10230.8	9687.2	8804.9	7838.0	7646.4	7757.8	8599.9
32.5°	11041.8	11242.3	11162.1	11242.3	11126.4	10400.1	9428.7	8234.5	7864.7	7967.2	8853.9
35°	12227.0	12387.5	12178.0	12115.7	11928.5	11122.0	10030.3	8644.5	8154.3	8265.7	9094.5
37.5°	13501.4	13684.1	13381.1	13131.6	12775.1	11834.9	10547.2	9183.7	8555.4	8644.5	9317.3
40°	14615.4	14766.9	14504.0	14174.3	13577.2	12463.2	10992.8	9562.4	8956.4	9067.8	9575.8
42.5°	15644.7	15742.8	15448.7	15132.3	14334.7	13029.1	11474.0	9963.4	9424.3	9531.2	9785.2
45°	16687.4	16763.2	16353.2	15903.2	14967.4	13546.0	12004.3	10524.9	10110.5	10253.1	10123.9
47.5°	16874.6	16896.9	16825.6	16522.6	15466.5	14040.6	12659.3	11277.9	11157.6	11313.6	10707.6
50°	15577.9	15778.4	16219.6	16518.1	15667.0	14455.0	13314.3	12356.3	12601.3	12801.9	11919.6
52.5°	13060.3	13251.9	14272.3	15404.1	15185.8	14548.6	14018.3	13724.2	14637.7	14878.3	13568.3
55°	10404.6	10573.9	11652.2	13283.1	13630.7	14120.8	14771.4	15471.0	17235.5	17395.9	15377.4
57.5°	8568.7	8662.3	9433.2	11001.7	11558.7	12752.8	15176.9	17547.4	19877.9	20122.9	16950.3
60°	7027.0	7129.5	7704.3	8996.5	9736.2	10796.7	14856.0	19597.1	23032.7	23032.7	18968.9
62.5°	5289.2	5378.3	5913.0	6924.5	8167.7	9139.1	13831.2	20956.2	25412.1	25305.2	20430.4
65°	3631.6	3702.9	4090.5	4763.4	5881.8	7789.0	12432.0	20974.0	26989.5	26846.9	21054.2
66°	3047.9	3110.2	3440.0	3983.6	4923.8	7067.1	11937.4	20595.3	27319.3	27118.7	20791.3
67.5°	2406.2	2450.8	2669.1	2989.9	3609.3	5721.4	11157.6	19521.4	27288.1	27167.8	20122.9
70°	1720.0	1751.2	1911.6	1978.4	2134.4	3310.7	8862.8	17097.4	25100.2	25135.9	17493.9
72.5°	1332.3	1381.3	1479.4	1492.7	1457.1	1760.1	5378.3	14263.4	20532.9	20519.5	12984.6
75°	1073.9	1100.6	1149.6	1176.4	1167.5	1136.3	2277.0	10640.7	14134.2	14299.1	7272.1
77.5°	846.6	842.2	886.7	922.4	949.1	891.2	1042.7	6238.3	7410.2	7200.8	2731.5
80°	623.8	623.8	686.2	699.6	739.7	748.6	695.1	2406.2	2544.3	2312.6	708.5
82.5°	409.9	409.9	476.8	485.7	525.8	583.7	503.5	721.9	704.0	668.4	320.8
85°	222.8	213.9	236.2	267.4	289.6	343.1	303.0	360.9	369.8	365.4	213.9
87.5°	44.6	40.1	62.4	71.3	80.2	106.9	98.0	147.0	205.0	200.5	93.6
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: P1211325

CATALOG NUMBER: ARCH4-240-730-U-T2RE

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5676.8	5676.8	5676.8	5676.8	5676.8	5676.8	5676.8	5676.8	5676.8	5676.8	5676.8
2.5°	5712.5	5708.0	5757.1	5815.0	5881.8	5921.9	5939.7	5970.9	5948.7	5957.6	5984.3
5°	5797.2	5810.5	5881.8	5957.6	5988.8	5966.5	5917.5	5899.6	5859.5	5850.6	5841.7
7.5°	5921.9	5944.2	6015.5	6033.3	5939.7	5783.8	5672.4	5610.0	5543.2	5525.3	5516.4
10°	6126.9	6140.3	6158.1	5975.4	5743.7	5534.3	5396.1	5338.2	5293.6	5258.0	5266.9
12.5°	6385.3	6376.4	6238.3	5859.5	5529.8	5315.9	5222.3	5186.7	5155.5	5133.2	5128.8
15°	6710.6	6648.2	6251.7	5699.1	5329.3	5151.0	5084.2	5070.8	5035.2	5035.2	5030.7
17.5°	7040.4	6879.9	6242.7	5529.8	5137.7	5039.6	4999.5	4990.6	4981.7	4977.3	4990.6
20°	7370.1	7084.9	6171.5	5320.4	5004.0	4946.1	4937.2	4941.6	4932.7	4946.1	4937.2
22.5°	7659.7	7218.6	6037.8	5097.6	4910.4	4906.0	4883.7	4892.6	4923.8	4928.2	4941.6
25°	7882.5	7267.6	5841.7	4892.6	4843.6	4834.7	4861.4	4897.1	4923.8	4928.2	4950.5
27.5°	8065.2	7240.9	5596.6	4732.2	4727.7	4776.7	4857.0	4870.3	4874.8	4874.8	4857.0
30°	8203.4	7182.9	5284.7	4554.0	4576.2	4696.5	4772.3	4772.3	4736.6	4727.7	4754.5
32.5°	8234.5	7107.2	4946.1	4371.3	4406.9	4549.5	4643.1	4611.9	4571.8	4571.8	4589.6
35°	8261.3	7004.7	4674.3	4121.7	4175.2	4344.5	4433.6	4371.3	4326.7	4313.3	4308.9
37.5°	8252.4	6964.6	4429.2	3805.4	3876.7	4041.5	4099.4	4041.5	3974.7	3943.5	3983.6
40°	8261.3	6937.9	4121.7	3457.8	3529.1	3627.1	3702.9	3658.3	3595.9	3515.7	3555.8
42.5°	8314.8	6973.5	3783.1	3119.1	3119.1	3172.6	3301.8	3270.6	3119.1	3088.0	3123.6
45°	8599.9	7165.1	3444.4	2780.5	2731.5	2767.1	2900.8	2767.1	2673.6	2673.6	2704.7
47.5°	9290.6	7521.6	3145.9	2481.9	2366.1	2437.4	2473.0	2348.3	2277.0	2259.2	2290.3
50°	10698.7	8234.5	2967.6	2236.9	2094.3	2147.8	2125.5	2121.0	2049.7	2058.6	2076.5
52.5°	12837.5	9624.8	2914.2	2116.6	1938.3	1951.7	1929.4	1938.3	1925.0	1969.5	1982.9
55°	15168.0	11090.8	2981.0	2134.4	1831.4	1737.8	1746.7	1791.3	1844.8	1916.0	1929.4
57.5°	16910.2	11826.0	3154.8	2254.7	1697.7	1555.1	1577.4	1662.1	1764.5	1822.5	1853.7
60°	18206.9	11736.9	3408.8	2285.9	1537.3	1390.2	1430.4	1555.1	1644.2	1693.3	1724.4
62.5°	18630.2	11179.9	3471.2	2058.6	1327.9	1234.3	1332.3	1461.5	1501.6	1555.1	1577.4
65°	18282.6	10391.2	3016.7	1671.0	1167.5	1118.4	1261.0	1359.1	1412.5	1439.3	1443.7
66°	17872.7	9918.9	2771.6	1519.5	1109.5	1082.8	1234.3	1314.5	1368.0	1363.5	1368.0
67.5°	16972.6	8929.7	2375.0	1305.6	1024.9	1029.3	1189.7	1243.2	1261.0	1247.7	1247.7
70°	13911.4	6287.3	1702.2	989.2	900.1	962.5	1069.4	1082.8	1122.9	1105.1	1105.1
72.5°	8577.6	3088.0	1140.7	757.5	802.1	900.1	895.6	940.2	1033.8	1060.5	1078.3
75°	4215.3	1252.1	753.1	641.7	717.4	753.1	744.1	855.5	989.2	1105.1	1145.2
77.5°	1599.7	623.8	525.8	561.4	579.3	565.9	592.6	775.3	989.2	1198.6	1238.7
80°	494.6	432.2	414.4	463.4	436.7	414.4	445.6	641.7	837.7	909.0	909.0
82.5°	298.5	338.7	320.8	316.4	294.1	298.5	320.8	459.0	646.1	677.3	677.3
85°	209.4	222.8	182.7	173.8	169.3	164.9	164.9	267.4	383.2	378.8	392.1
87.5°	80.2	89.1	66.8	66.8	62.4	44.6	35.6	44.6	44.6	31.2	22.3
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)