

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: P1211287

Luminaire Tested: **ARCH4-230-722-U-T3RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211287
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-2)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH4-230-722-U-T3RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 905mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29332 lumens
Efficiency: N/A
Efficacy: 126.9 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 231.2
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

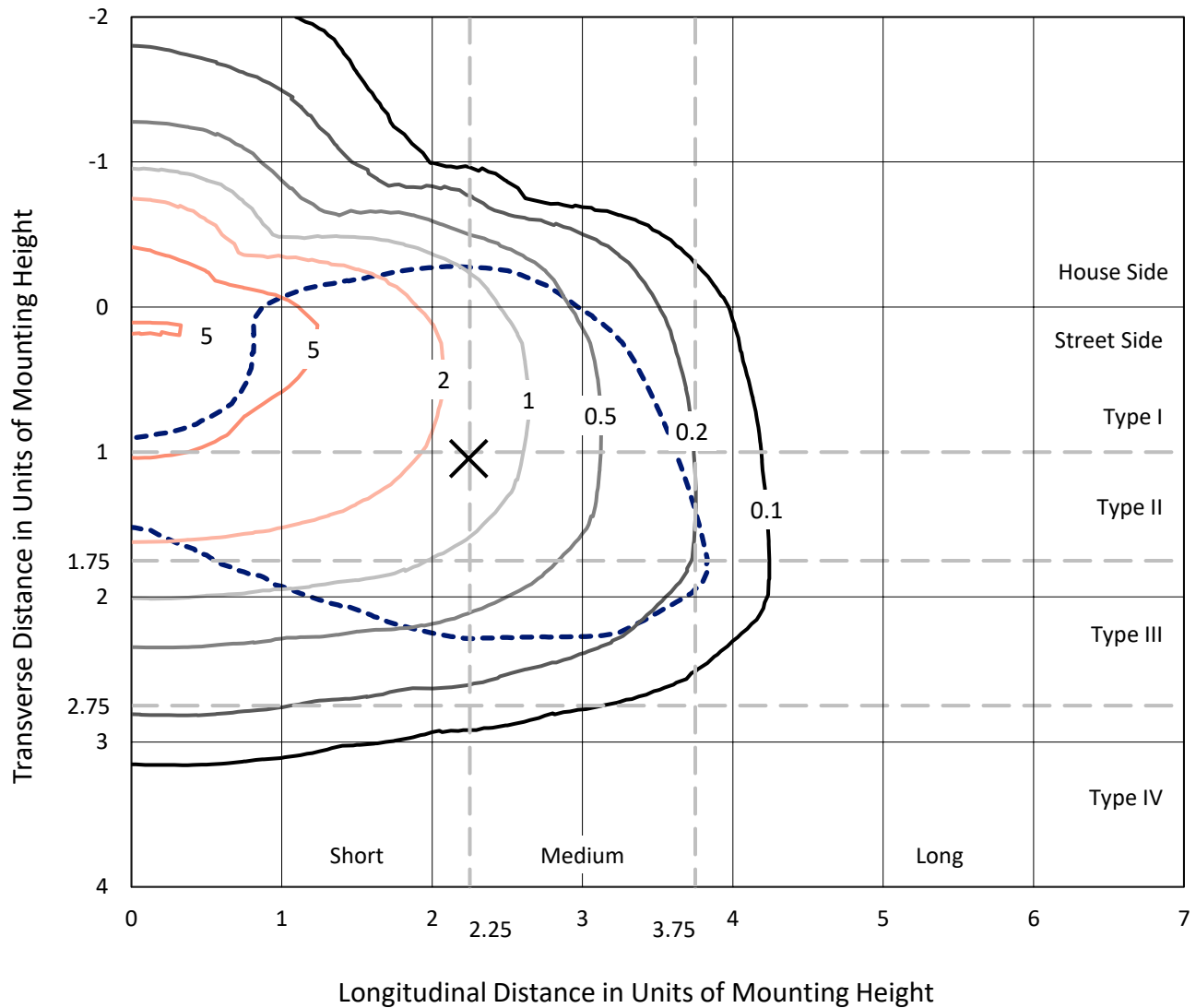


REPORT NUMBER: P1211287

CATALOG NUMBER: ARCH4-230-722-U-T3RE

Iso-Footcandle Lines of Horizontal Illumination

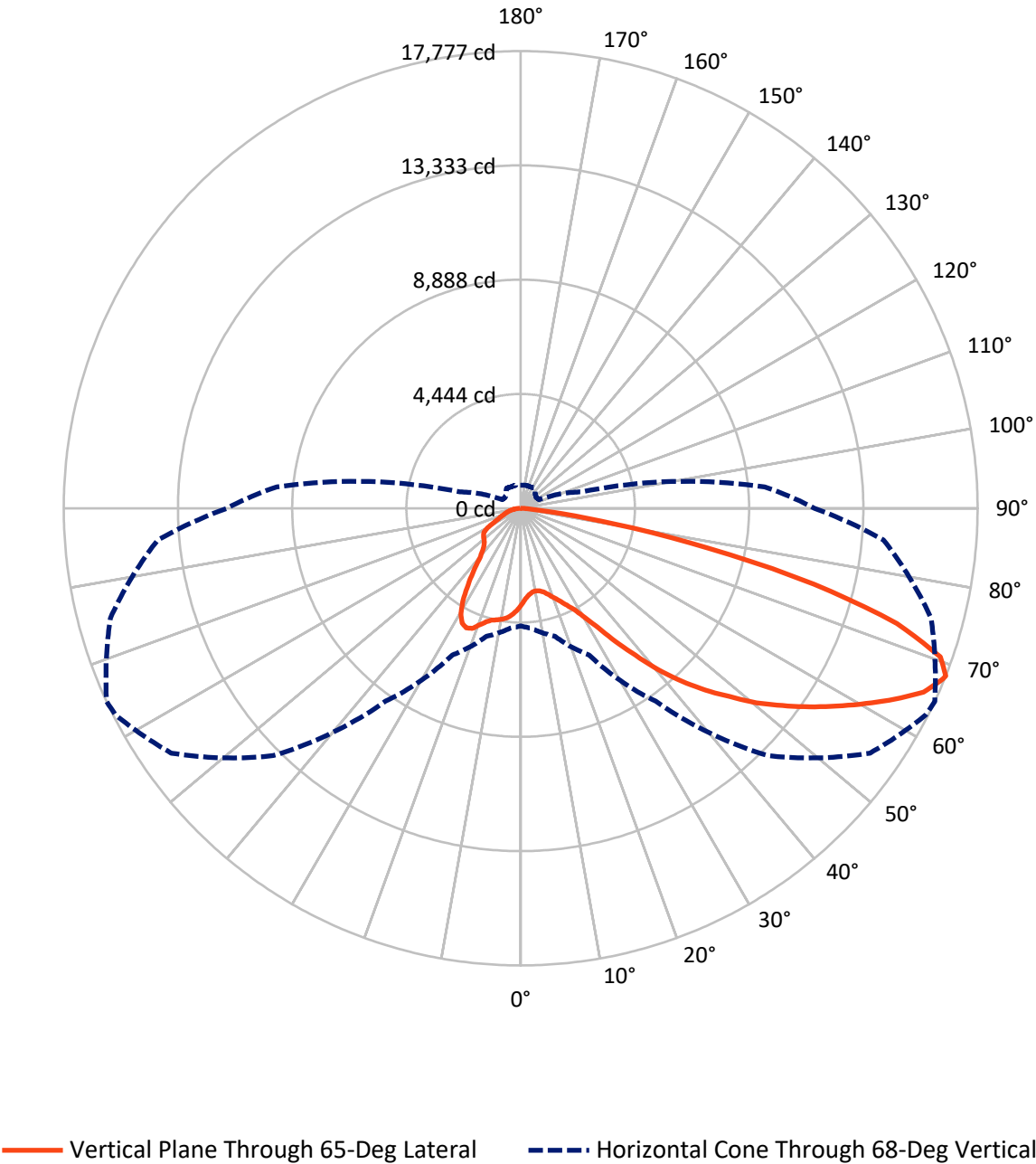
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 fc
 Type III - Short - N/A

REPORT NUMBER: P1211287
CATALOG NUMBER: ARCH4-230-722-U-T3RE

Luminous Intensity Polar Plot



REPORT NUMBER: P1211287

CATALOG NUMBER: ARCH4-230-722-U-T3RE

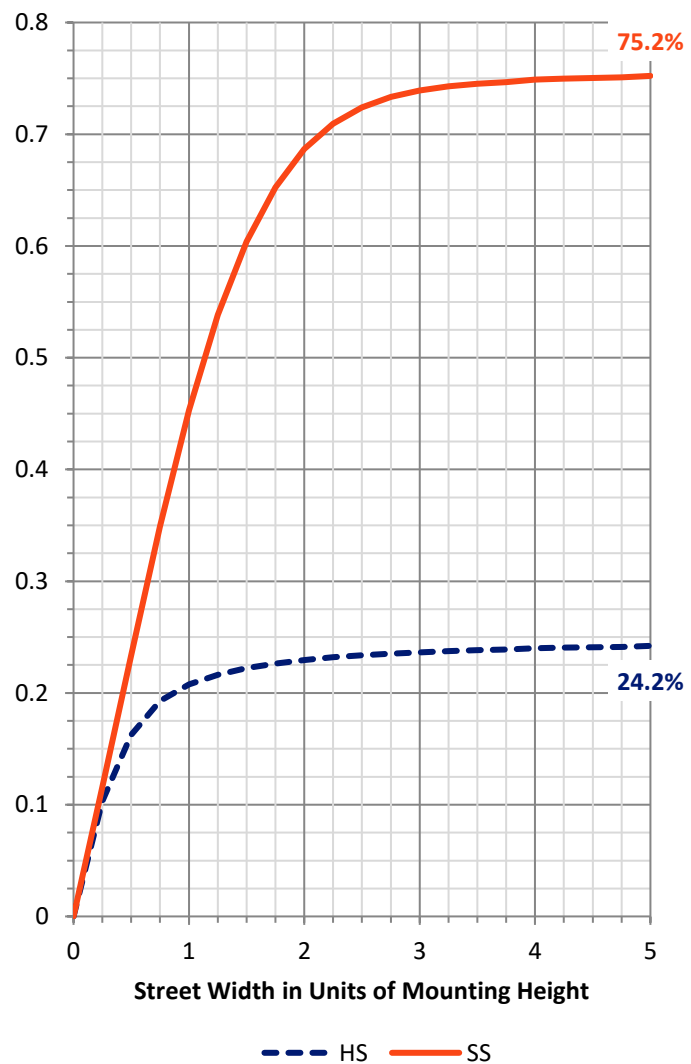
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7191.3	0.0	7191.3
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	22140.7	0.0	22140.7
	% Fixture	75.5	0.0	75.5
Total	Lumens	29332.0	0.0	29332.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	358.2	1.2
10°-20°	1166.4	4.0
20°-30°	2111.0	7.2
30°-40°	3320.9	11.3
40°-50°	4946.1	16.9
50°-60°	6488.2	22.1
60°-70°	7095.3	24.2
70°-80°	3511.0	12.0
80°-90°	334.9	1.1
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°	29332.0	100.0
0°-180°	29332.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1211287

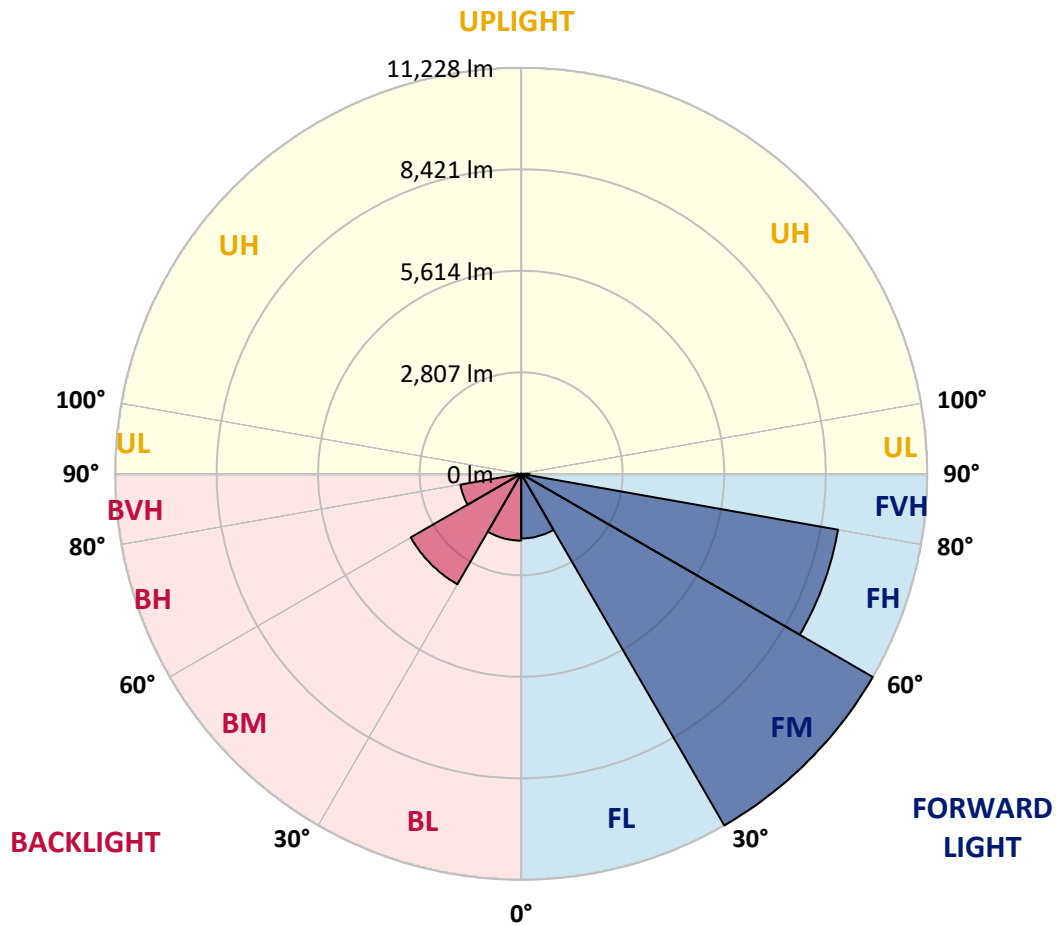
CATALOG NUMBER: ARCH4-230-722-U-T3RE

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1788.1	6.1			
FM	(30°-60°)	11227.9	38.3			
FH	(60°-80°)	8899.4	30.3			G4/12000
FVH	(80°-90°)	225.3	0.8			G3/500
BL	(0°-30°)	1847.5	6.3	B3/2500		
BM	(30°-60°)	3527.3	12.0	B3/5000		
BH	(60°-80°)	1706.9	5.8	B3/2500		G3/2500
BVH	(80°-90°)	109.7	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 III Short



REPORT NUMBER: P1211287

CATALOG NUMBER: ARCH4-230-722-U-T3RE

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	3748.3	3748.3	3748.3	3748.3	3748.3	3748.3	3748.3	3748.3	3748.3	3748.3	3748.3
2.5°	3271.7	3264.1	3283.0	3302.0	3343.6	3392.7	3460.8	3517.6	3525.1	3631.0	3714.2
5°	3078.8	3067.5	3086.4	3109.1	3128.0	3188.5	3260.4	3343.6	3377.6	3532.7	3710.4
7.5°	3097.7	3093.9	3101.5	3093.9	3093.9	3120.4	3169.6	3252.8	3290.6	3475.9	3729.4
10°	3207.4	3215.0	3218.7	3196.1	3173.4	3162.0	3177.1	3233.9	3260.4	3479.7	3812.6
12.5°	3389.0	3400.3	3404.1	3362.5	3332.2	3283.0	3256.6	3279.3	3298.2	3517.6	3929.8
15°	3634.8	3642.4	3615.9	3589.4	3513.8	3453.3	3389.0	3370.0	3377.6	3597.0	4062.2
17.5°	3922.3	3910.9	3910.9	3846.6	3748.3	3653.7	3547.8	3532.7	3532.7	3725.6	4251.3
20°	4236.2	4247.5	4213.5	4126.5	4028.2	3880.7	3774.7	3706.7	3714.2	3873.1	4482.0
22.5°	4690.1	4709.0	4618.2	4493.4	4342.1	4171.9	4020.6	3910.9	3914.7	4066.0	4720.3
25°	5178.0	5185.6	5128.8	4962.4	4758.2	4516.1	4315.6	4175.7	4171.9	4281.6	5026.7
27.5°	5677.3	5711.3	5597.8	5439.0	5249.9	4947.3	4682.5	4493.4	4463.1	4610.6	5408.7
30°	6191.6	6233.3	6123.6	5968.5	5734.0	5476.8	5162.9	4943.5	4924.6	5121.3	5919.3
32.5°	6709.8	6721.2	6634.2	6505.6	6293.8	6051.7	5798.3	5556.2	5537.3	5858.8	6581.2
35°	7133.4	7167.5	7107.0	7076.7	6921.6	6698.5	6452.6	6312.7	6361.9	6774.1	7439.8
37.5°	7644.1	7678.1	7610.0	7602.5	7553.3	7360.4	7190.2	7201.5	7250.7	7810.5	8343.8
40°	8381.6	8419.4	8245.4	8169.8	8169.8	7980.7	7923.9	8192.5	8256.8	8831.7	9285.6
42.5°	9005.7	9066.2	8964.1	8914.9	8767.4	8635.0	8703.1	9081.3	9191.0	9807.5	10106.3
45°	9308.3	9353.7	9474.7	9618.4	9474.7	9244.0	9501.2	9928.6	10083.6	10707.7	10927.1
47.5°	9470.9	9512.5	9652.5	10038.3	10136.6	9943.7	10306.8	10840.1	10946.0	11600.4	11710.0
50°	9493.6	9626.0	9807.5	10193.3	10643.4	10669.9	11116.2	11766.8	11891.6	12477.9	12398.4
52.5°	9308.3	9361.2	9735.7	10386.2	10885.5	11339.4	11997.5	12655.6	12746.4	13302.4	13007.4
55°	9005.7	9081.3	9455.8	10340.8	11120.0	11974.8	12893.9	13529.3	13631.5	14104.2	13570.9
57.5°	8733.4	8771.2	9172.1	10208.5	11354.5	12610.2	13692.0	14440.9	14509.0	14807.8	13987.0
60°	8430.8	8472.4	8873.3	9924.8	11528.5	13090.6	14524.1	15360.0	15420.5	15549.1	14471.1
62.5°	7647.8	7757.5	8260.6	9455.8	11483.1	13639.0	15412.9	16267.7	16343.4	16203.4	14853.1
65°	6210.6	6365.6	6982.2	8393.0	11059.5	13994.6	16139.1	17103.6	17232.2	16695.1	14955.3
67.5°	4822.5	4932.1	5427.6	6660.7	9573.0	13816.8	16608.1	17678.5	17716.4	16615.7	14387.9
68°	4572.8	4682.5	5155.3	6297.6	9160.8	13605.0	16596.8	17693.7	17776.9	16528.7	14168.5
70°	3498.6	3623.5	4073.6	4988.9	7383.1	12258.5	15904.6	17330.6	17319.2	15477.2	12806.9
72.5°	2186.2	2258.0	2568.2	3146.9	4883.0	9327.2	13499.1	15284.3	15314.6	12617.8	9822.7
75°	1388.1	1388.1	1373.0	1524.3	2503.9	5314.2	10034.5	11766.8	11789.5	8835.5	6191.6
77.5°	1206.6	1172.5	1009.9	854.8	998.5	2065.1	5938.2	7598.7	7473.9	4758.2	2938.9
80°	1017.4	960.7	828.3	688.4	643.0	646.8	2280.7	3858.0	3691.5	1713.4	975.8
82.5°	733.8	684.6	624.1	540.9	495.5	385.8	476.6	1115.8	1089.3	495.5	317.7
85°	397.1	359.3	351.8	355.5	298.8	238.3	200.5	245.9	245.9	215.6	181.6
87.5°	139.9	102.1	121.0	136.2	117.3	98.3	79.4	94.6	98.3	94.6	87.0
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: P1211287

CATALOG NUMBER: ARCH4-230-722-U-T3RE

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3748.3	3748.3	3748.3	3748.3	3748.3	3748.3	3748.3	3748.3	3748.3	3748.3	3748.3
2.5°	3763.4	3801.2	3892.0	3971.4	4028.2	4077.3	4103.8	4115.2	4141.6	4145.4	4137.9
5°	3793.7	3892.0	4028.2	4145.4	4209.7	4236.2	4243.8	4247.5	4236.2	4243.8	4236.2
7.5°	3873.1	3997.9	4190.8	4292.9	4304.3	4262.7	4266.4	4251.3	4266.4	4281.6	4281.6
10°	3994.1	4153.0	4334.5	4372.4	4323.2	4300.5	4345.9	4436.7	4466.9	4508.5	4508.5
12.5°	4153.0	4342.1	4470.7	4436.7	4391.3	4466.9	4599.3	4690.1	4720.3	4735.5	4724.1
15°	4334.5	4538.8	4603.1	4489.6	4572.8	4735.5	4780.8	4727.9	4652.2	4618.2	4637.1
17.5°	4565.3	4735.5	4697.6	4622.0	4811.1	4833.8	4686.3	4516.1	4395.0	4349.7	4379.9
20°	4807.3	4954.8	4780.8	4814.9	4932.1	4690.1	4410.2	4190.8	4084.9	4066.0	4096.2
22.5°	5064.5	5159.1	4864.1	5038.0	4864.1	4372.4	4035.7	3922.3	3895.8	3926.0	3952.5
25°	5355.8	5344.4	5007.8	5106.1	4610.6	3982.8	3782.3	3774.7	3774.7	3793.7	3831.5
27.5°	5684.8	5507.0	5151.5	5015.3	4171.9	3661.3	3623.5	3627.2	3615.9	3619.7	3638.6
30°	6066.8	5726.4	5310.4	4716.5	3680.2	3419.2	3404.1	3392.7	3366.3	3358.7	3366.3
32.5°	6547.2	5957.1	5473.0	4224.8	3249.0	3169.6	3162.0	3101.5	3037.2	3029.6	3056.1
35°	7156.1	6377.0	5556.2	3608.3	2893.5	2889.7	2863.2	2768.7	2685.4	2685.4	2666.5
37.5°	7852.1	6917.9	5590.3	3006.9	2598.4	2617.4	2541.7	2420.7	2356.4	2318.6	2329.9
40°	8563.2	7534.4	5586.5	2481.2	2341.3	2345.0	2288.3	2140.8	1981.9	1887.4	1910.1
42.5°	9247.8	8094.2	5488.1	2201.3	2133.2	2121.9	2076.5	1876.0	1743.6	1668.0	1671.8
45°	9796.2	8672.8	5336.8	2034.9	1944.1	1963.0	1860.9	1739.9	1618.8	1550.7	1547.0
47.5°	10344.6	9111.6	5094.8	1932.8	1804.2	1770.1	1728.5	1645.3	1554.5	1478.9	1482.7
50°	10843.9	9486.0	4867.8	1864.7	1675.6	1588.6	1596.1	1547.0	1467.5	1399.5	1395.7
52.5°	11195.6	9731.9	4743.0	1826.9	1520.5	1425.9	1452.4	1425.9	1350.3	1301.1	1297.3
55°	11547.4	9921.0	4784.6	1777.7	1350.3	1274.6	1320.0	1312.5	1270.9	1255.7	1259.5
57.5°	11831.1	10064.7	4932.1	1686.9	1187.6	1142.3	1217.9	1195.2	1165.0	1168.7	1168.7
60°	12107.2	10250.1	5106.1	1478.9	1047.7	1051.5	1123.3	1081.7	1062.8	1096.9	1100.7
62.5°	12394.6	10450.5	4962.4	1176.3	926.7	953.1	1036.4	1002.3	1009.9	1059.0	1074.2
65°	12360.6	10431.6	4043.3	964.5	820.8	873.7	998.5	987.2	991.0	1009.9	1017.4
67.5°	11664.7	9765.9	2780.0	820.8	745.1	809.4	968.3	922.9	926.7	915.3	919.1
68°	11430.2	9531.4	2450.9	798.1	730.0	794.3	953.1	911.5	915.3	904.0	900.2
70°	10151.7	8162.2	1550.7	703.5	677.0	752.7	877.5	862.4	858.6	851.0	851.0
72.5°	7738.6	6025.2	817.0	609.0	616.5	688.4	782.9	813.2	794.3	798.1	820.8
75°	5125.0	3623.5	567.3	522.0	540.9	590.0	695.9	756.5	737.6	748.9	737.6
77.5°	2711.9	1951.7	453.9	442.5	442.5	476.6	574.9	669.5	669.5	661.9	650.6
80°	888.8	688.4	363.1	348.0	355.5	374.4	461.4	548.4	559.8	544.7	537.1
82.5°	298.8	317.7	272.3	253.4	261.0	276.1	348.0	419.8	423.6	393.4	385.8
85°	185.3	211.8	170.2	166.4	166.4	170.2	211.8	230.7	211.8	189.1	196.7
87.5°	87.0	105.9	79.4	68.1	56.7	49.2	37.8	15.1	15.1	7.6	7.6
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)