

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: P1211388

Luminaire Tested: **ARCH4-260-730-U-T2RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211388
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-3)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH4-260-730-U-T2RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 1010mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE II
ROADWAY ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26262 lumens
Efficiency: N/A
Efficacy: 101.3 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G4

Input Watts (W): 259.2
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



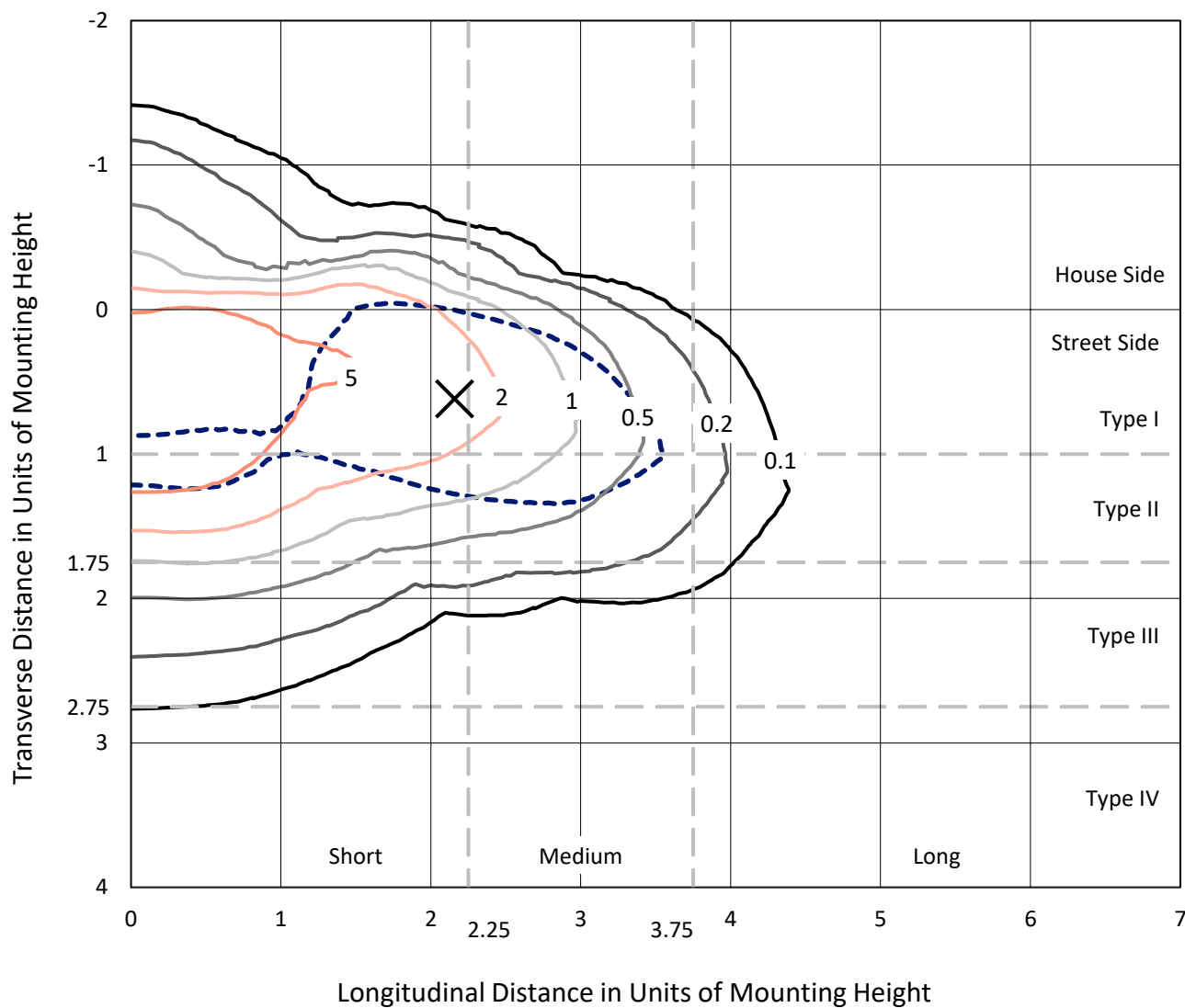
REPORT NUMBER: P1211388

CATALOG NUMBER: ARCH4-260-730-U-T2RE-HSS

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

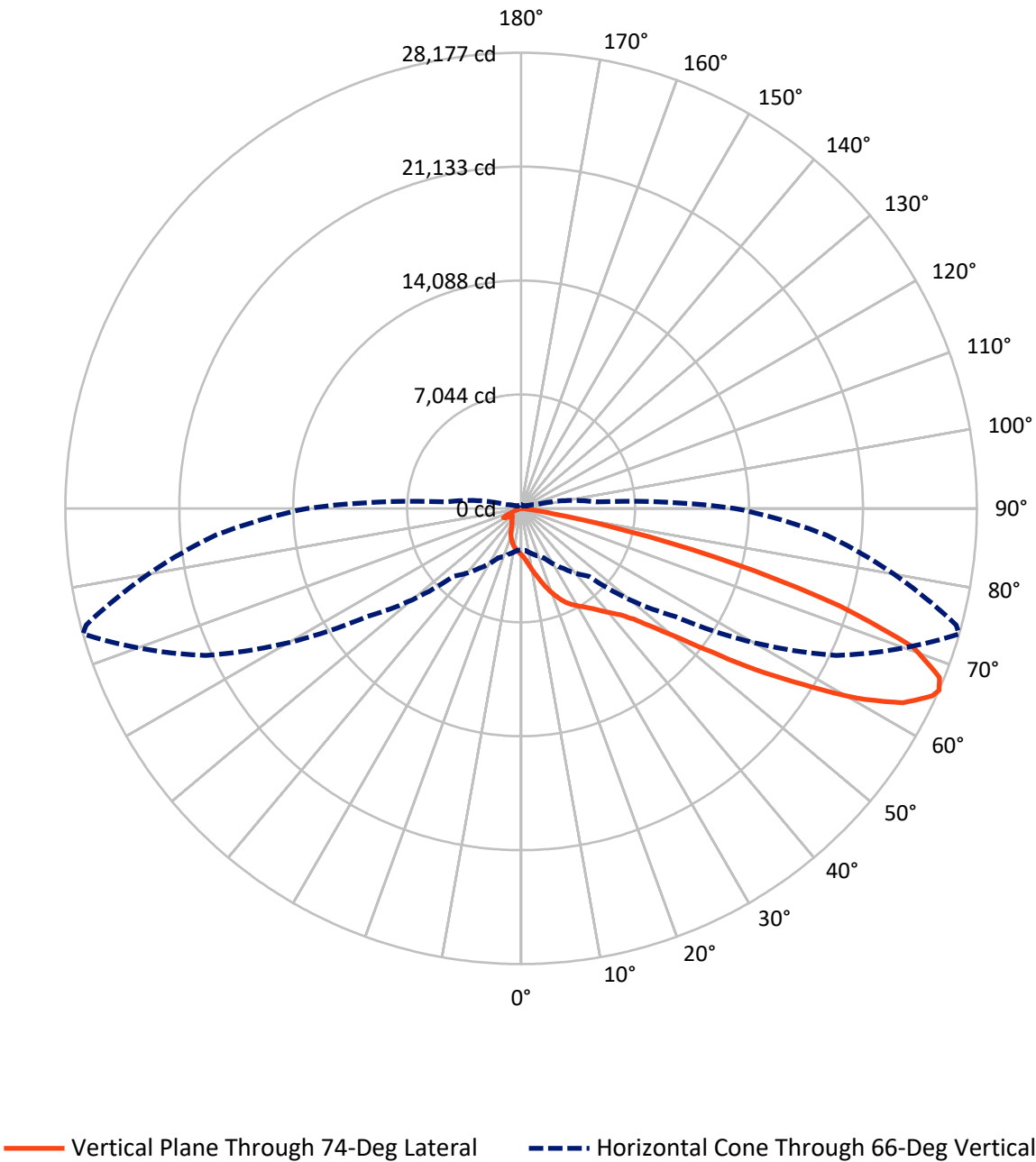
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.6 fc
Type II - Short - N/A

REPORT NUMBER: P1211388
CATALOG NUMBER: ARCH4-260-730-U-T2RE-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P1211388

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2574.5	0.0	2574.5
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	23687.5	0.0	23687.5
	% Fixture	90.2	0.0	90.2
Total	Lumens	26262.0	0.0	26262.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	279.8	1.1
10°-20°	897.0	3.4
20°-30°	1711.9	6.5
30°-40°	3000.6	11.4
40°-50°	5145.2	19.6
50°-60°	6691.7	25.5
60°-70°	6057.7	23.1
70°-80°	2337.4	8.9
80°-90°	140.7	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°	26262.0	100.0
0°-180°	26262.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1211388

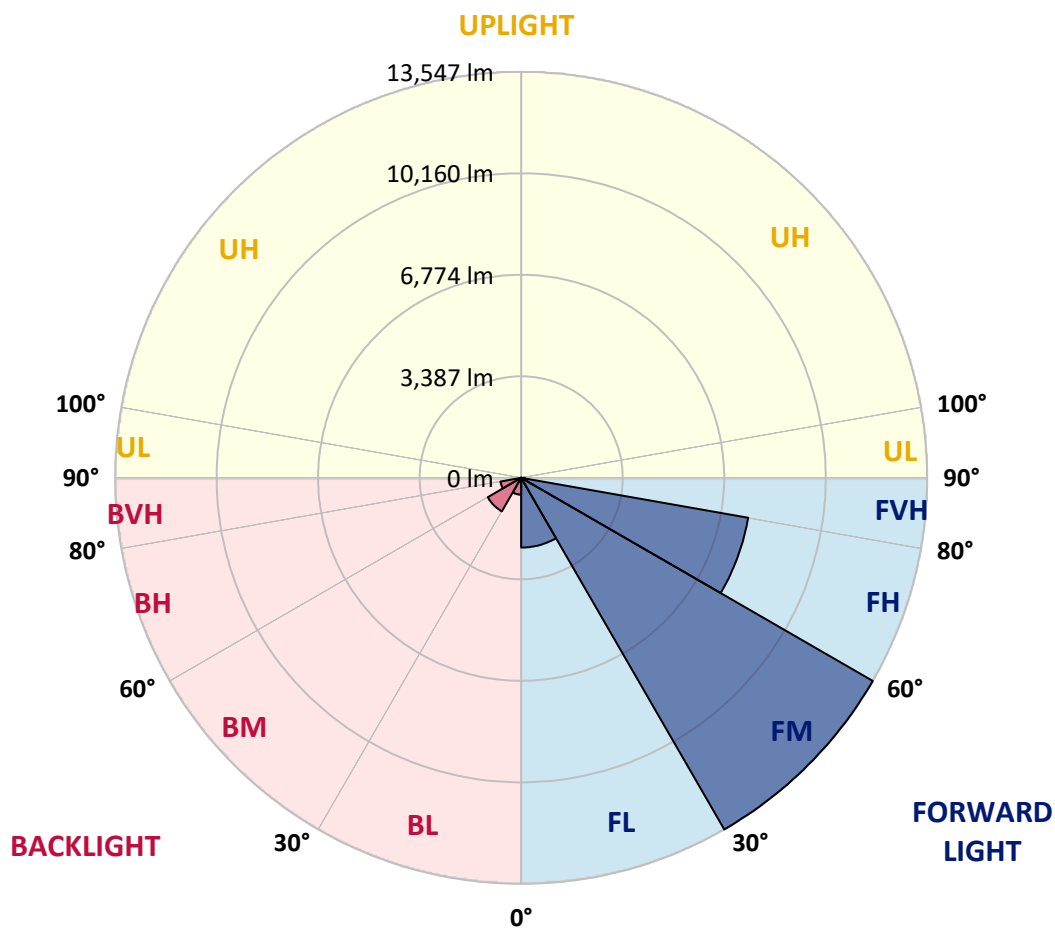
CATALOG NUMBER: ARCH4-260-730-U-T2RE-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2327.2	8.9			
FM	(30°-60°)	13547.3	51.6			
FH	(60°-80°)	7691.2	29.3			G4/12000
FVH	(80°-90°)	121.8	0.5			G2/225
BL	(0°-30°)	561.6	2.1	B2/1000		
BM	(30°-60°)	1290.3	4.9	B2/2500		
BH	(60°-80°)	703.8	2.7	B2/1000		G2/1000
BVH	(80°-90°)	18.9	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 II Short



REPORT NUMBER: P1211388

CATALOG NUMBER: ARCH4-260-730-U-T2RE-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	2866.7	2866.7	2866.7	2866.7	2866.7	2866.7	2866.7	2866.7	2866.7	2866.7	2866.7
2.5°	3442.0	3413.7	3361.8	3357.1	3314.6	3262.8	3173.2	3078.9	3012.9	3003.5	2923.3
5°	4120.9	4106.8	4054.9	4021.9	3941.7	3819.2	3611.7	3404.2	3229.8	3210.9	3031.7
7.5°	4300.1	4309.5	4318.9	4352.0	4323.7	4267.1	4111.5	3819.2	3545.7	3503.3	3192.1
10°	4328.4	4318.9	4318.9	4361.4	4441.5	4521.7	4502.8	4252.9	3899.3	3847.4	3413.7
12.5°	4634.9	4649.0	4616.0	4597.1	4583.0	4625.4	4766.9	4658.4	4271.8	4229.4	3682.4
15°	5030.9	5026.2	4979.0	4979.0	4936.6	4865.9	4955.5	5035.6	4719.7	4667.9	3988.9
17.5°	5318.5	5337.4	5332.7	5361.0	5346.8	5252.5	5205.4	5370.4	5181.8	5115.8	4337.8
20°	5549.6	5601.4	5620.3	5709.9	5752.3	5686.3	5563.7	5667.4	5625.0	5563.7	4691.4
22.5°	5794.7	5837.2	5870.2	6025.8	6143.7	6129.5	5973.9	5950.3	6054.1	5997.5	5040.3
25°	6039.9	6058.8	6157.8	6346.4	6535.0	6582.1	6421.8	6238.0	6440.7	6388.8	5351.5
27.5°	6308.7	6318.1	6436.0	6667.0	6931.1	7030.1	6902.8	6563.3	6737.7	6737.7	5634.4
30°	6799.0	6893.3	6940.5	7148.0	7379.0	7515.7	7364.8	6907.5	7001.8	7044.2	5931.5
32.5°	7855.2	7869.3	7855.2	7944.8	7991.9	8072.1	7897.6	7294.1	7270.5	7317.7	6223.8
35°	9467.7	9411.2	9260.3	9128.3	8854.8	8703.9	8477.6	7789.2	7600.6	7666.6	6511.4
37.5°	11424.5	11344.3	11000.1	10594.6	10010.0	9406.4	9123.5	8392.7	8020.2	8105.1	6822.6
40°	13291.6	13239.7	12829.5	12329.7	11330.2	10297.6	9698.8	8901.9	8487.0	8520.0	7138.5
42.5°	14828.7	14819.3	14475.1	13951.7	12669.2	11259.4	10377.7	9401.7	8977.4	9029.2	7468.6
45°	15993.3	15903.7	15649.1	15271.9	13965.9	12259.0	11198.1	10160.8	9764.8	9826.1	7963.6
47.5°	15993.3	16007.4	16172.5	16134.8	14871.1	13197.3	12094.0	11118.0	10929.4	10986.0	8779.3
50°	14692.0	14824.0	15559.5	16177.2	15342.6	13928.1	13060.6	12315.6	12508.9	12593.8	10203.3
52.5°	12117.6	12339.2	13616.9	15026.7	14993.7	14295.9	14060.2	13838.5	14706.1	14857.0	12306.2
55°	9208.4	9354.6	11019.0	12872.0	13475.5	13994.1	14932.4	15771.7	17615.3	17582.3	14442.1
57.5°	6879.2	7015.9	8449.3	10505.0	11301.9	12688.1	15380.4	17983.0	20500.9	20628.2	16445.9
60°	5059.2	5162.9	6384.1	8072.1	9222.6	10688.9	15201.2	20161.4	23824.9	23678.8	18214.1
62.5°	3743.7	3800.3	4682.0	5780.6	7308.3	8708.6	14074.3	21651.3	26479.5	26182.4	19199.5
65°	2895.0	2913.9	3371.2	3955.9	5313.8	6770.8	12395.8	21877.6	27945.8	27629.9	19180.6
66°	2579.1	2593.3	2928.0	3380.7	4521.7	5926.8	11660.2	21514.6	28176.9	27842.1	18944.9
67.5°	2164.2	2154.8	2352.8	2649.8	3394.8	4573.6	10354.2	20453.7	27903.4	27733.7	18190.5
70°	1603.1	1607.8	1706.8	1777.6	1985.0	2532.0	7478.0	17742.6	25715.6	25706.2	16120.6
72.5°	1188.2	1202.3	1277.8	1291.9	1240.0	1372.1	4309.5	14112.0	20571.6	20576.3	12051.6
75°	891.1	914.7	938.3	947.7	900.6	867.6	1947.3	9496.0	13532.1	13433.1	6822.6
77.5°	679.0	688.4	707.3	693.1	683.7	598.8	811.0	4630.1	6681.2	6087.1	2211.3
80°	495.1	495.1	513.9	495.1	490.4	429.1	443.2	1485.2	1961.4	1631.4	476.2
82.5°	311.2	306.5	320.6	315.9	306.5	273.5	259.3	414.9	452.6	405.5	231.0
85°	174.5	169.7	165.0	160.3	146.2	122.6	141.5	155.6	207.5	212.2	165.0
87.5°	61.3	61.3	56.6	51.9	42.4	42.4	51.9	51.9	75.4	75.4	84.9
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: P1211388

CATALOG NUMBER: ARCH4-260-730-U-T2RE-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2866.7	2866.7	2866.7	2866.7	2866.7	2866.7	2866.7	2866.7	2866.7	2866.7	2866.7
2.5°	2885.6	2833.7	2758.3	2659.3	2588.5	2517.8	2442.4	2399.9	2338.6	2324.5	2343.4
5°	2937.4	2843.1	2654.5	2447.1	2267.9	2107.6	1956.7	1867.1	1777.6	1744.6	1758.7
7.5°	3045.9	2885.6	2565.0	2230.2	1933.2	1692.7	1513.5	1409.8	1329.6	1296.6	1306.1
10°	3206.2	2961.0	2480.1	1985.0	1603.1	1348.5	1197.6	1131.6	1084.5	1065.6	1070.3
12.5°	3399.5	3069.5	2371.6	1739.8	1320.2	1098.6	1027.9	1013.7	1004.3	994.9	999.6
15°	3616.4	3163.8	2244.3	1499.4	1098.6	976.0	952.4	947.7	943.0	943.0	943.0
17.5°	3842.7	3248.6	2102.9	1273.1	957.1	900.6	886.4	886.4	886.4	891.1	891.1
20°	4054.9	3314.6	1937.9	1070.3	877.0	829.8	820.4	820.4	825.1	829.8	829.8
22.5°	4262.4	3342.9	1744.6	928.9	811.0	768.5	754.4	754.4	754.4	759.1	759.1
25°	4441.5	3342.9	1551.2	839.3	754.4	712.0	693.1	688.4	693.1	693.1	693.1
27.5°	4592.4	3328.8	1362.6	778.0	697.8	655.4	636.5	631.8	641.2	646.0	646.0
30°	4752.7	3309.9	1211.8	721.4	650.7	608.2	589.4	589.4	603.5	622.4	622.4
32.5°	4908.3	3324.1	1093.9	674.2	603.5	570.5	551.7	556.4	584.7	613.0	613.0
35°	5073.3	3352.4	1023.2	641.2	570.5	537.5	523.4	537.5	565.8	594.1	594.1
37.5°	5238.4	3385.4	980.7	613.0	542.2	509.2	499.8	518.7	551.7	579.9	584.7
40°	5412.8	3413.7	933.6	584.7	523.4	485.6	480.9	499.8	542.2	570.5	575.2
42.5°	5629.7	3470.2	877.0	561.1	504.5	457.4	462.1	476.2	518.7	561.1	565.8
45°	6054.1	3649.4	820.4	537.5	480.9	443.2	433.8	443.2	490.4	537.5	546.9
47.5°	6850.9	4054.9	759.1	513.9	457.4	433.8	396.1	405.5	447.9	499.8	504.5
50°	8378.6	4917.8	726.1	490.4	438.5	400.8	358.3	358.3	391.3	438.5	438.5
52.5°	10759.6	6464.3	745.0	471.5	414.9	367.8	325.3	320.6	339.5	372.5	372.5
55°	13329.3	8161.7	815.7	452.6	386.6	348.9	301.8	278.2	292.3	311.2	311.2
57.5°	15366.2	9015.1	1009.0	443.2	353.6	334.8	273.5	240.5	254.6	273.5	273.5
60°	16262.1	8515.3	1225.9	452.6	330.1	311.2	245.2	212.2	235.8	254.6	259.3
62.5°	15535.9	7011.2	1315.5	429.1	297.0	278.2	240.5	198.0	226.3	240.5	245.2
65°	13965.9	5328.0	1027.9	372.5	273.5	240.5	216.9	188.6	212.2	226.3	226.3
66°	13220.9	4644.3	877.0	344.2	264.0	226.3	207.5	188.6	207.5	216.9	221.6
67.5°	12065.7	3663.6	650.7	301.8	245.2	207.5	193.3	179.2	198.0	207.5	207.5
70°	9434.7	2183.0	391.3	235.8	212.2	183.9	174.5	165.0	179.2	183.9	183.9
72.5°	5907.9	1037.3	249.9	174.5	179.2	174.5	146.2	155.6	160.3	165.0	165.0
75°	2862.0	410.2	169.7	127.3	146.2	165.0	117.9	136.7	141.5	150.9	146.2
77.5°	796.8	198.0	108.4	94.3	127.3	127.3	89.6	108.4	127.3	160.3	146.2
80°	231.0	127.3	70.7	70.7	89.6	89.6	61.3	75.4	84.9	94.3	99.0
82.5°	160.3	84.9	47.2	51.9	51.9	56.6	37.7	37.7	47.2	47.2	51.9
85°	127.3	37.7	28.3	33.0	23.6	28.3	18.9	18.9	23.6	18.9	18.9
87.5°	51.9	18.9	18.9	18.9	14.1	14.1	9.4	4.7	4.7	4.7	4.7
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)