

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: P1211390

Luminaire Tested: **ARCH4-260-730-U-T3RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211390
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: ARCH4-260-730-U-T3RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 1010mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

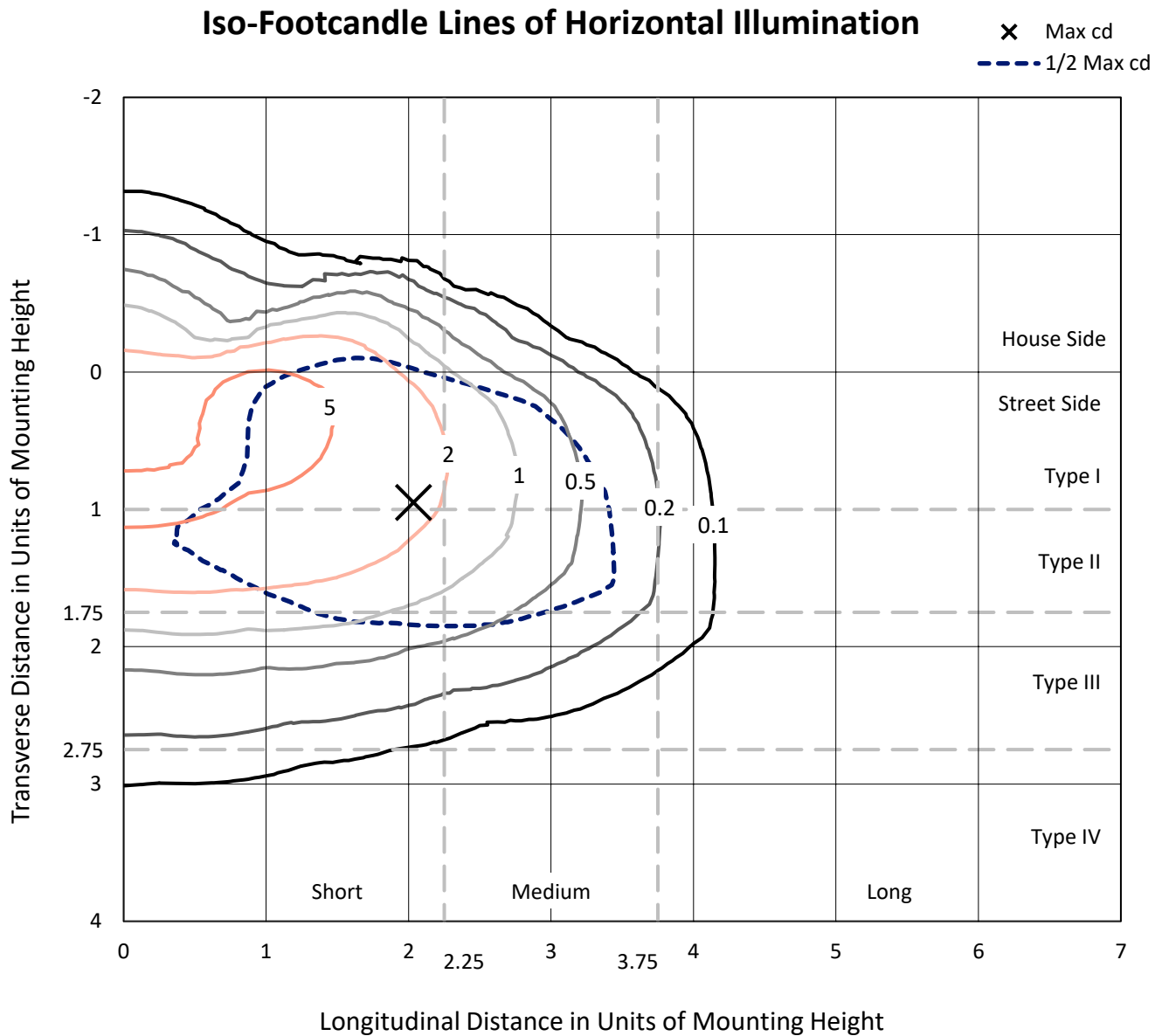
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25984 lumens
Efficiency: N/A
Efficacy: 100.2 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): 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

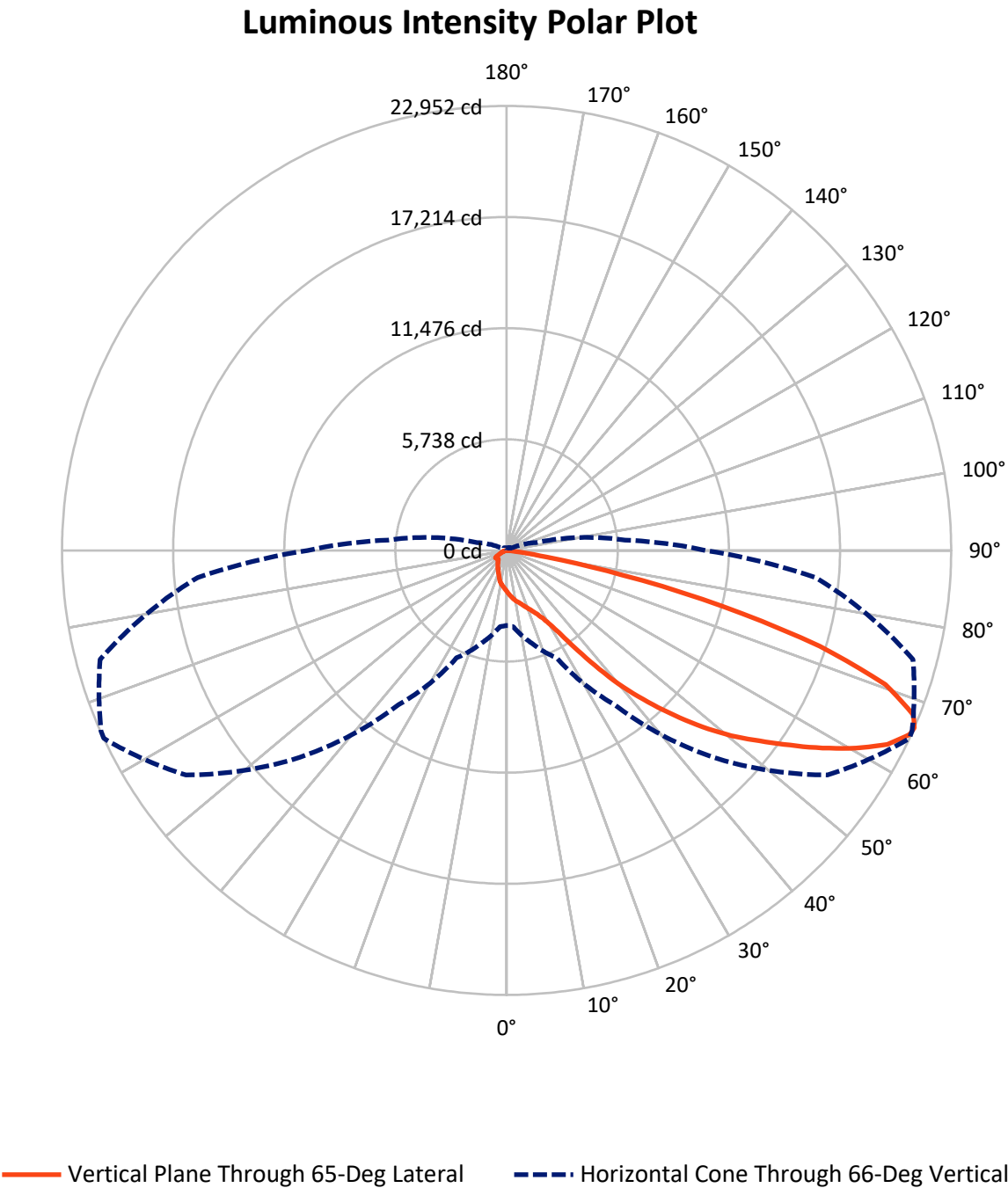


REPORT NUMBER: P1211390
CATALOG NUMBER: ARCH4-260-730-U-T3RE-HSS



Based on 25 foot mounting height. Maximum calculated value = 7.1 fc
Type III - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3066.6	0.0	3066.6
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	22917.4	0.0	22917.4
	% Fixture	88.2	0.0	88.2
Total	Lumens	25984.0	0.0	25984.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.7	0.8
10°-20°	594.1	2.3
20°-30°	1087.4	4.2
30°-40°	2209.6	8.5
40°-50°	4666.0	18.0
50°-60°	7173.2	27.6
60°-70°	7220.3	27.8
70°-80°	2697.9	10.4
80°-90°	134.8	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°	25984.0	100.0
0°-180°	25984.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1211390

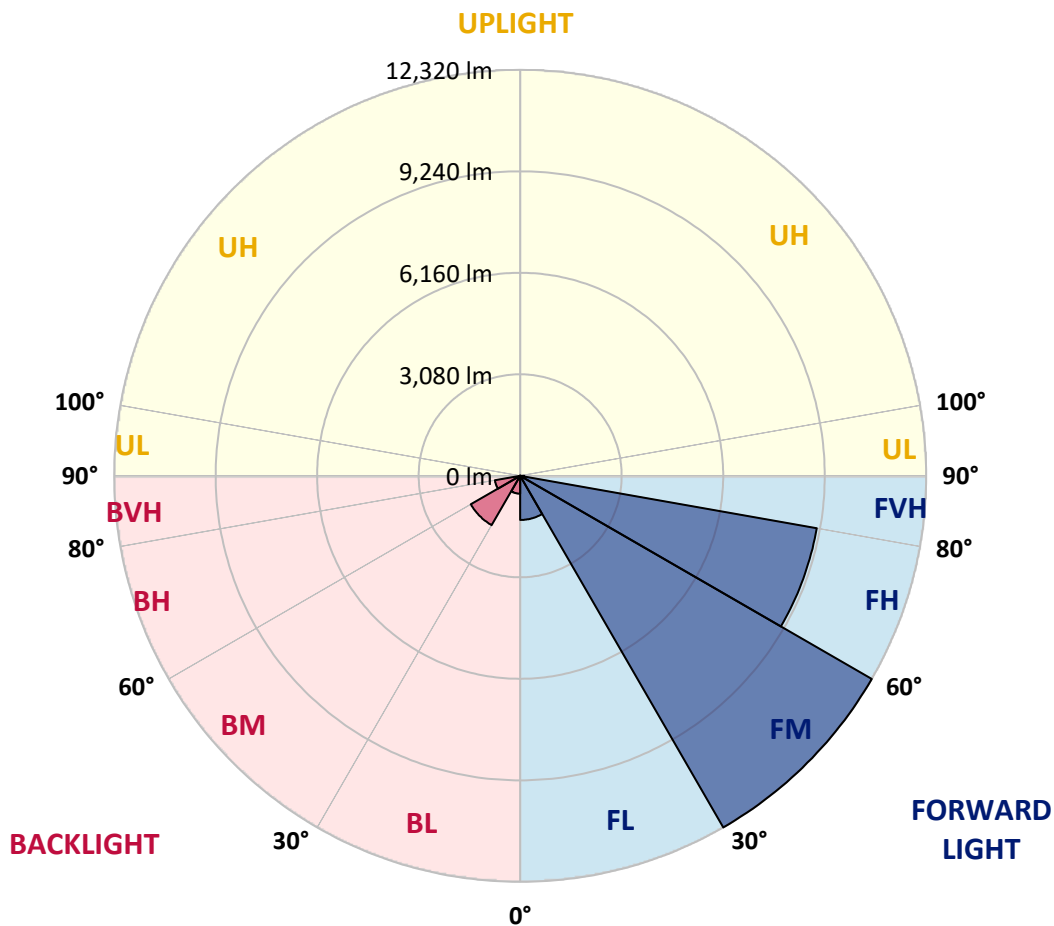
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1339.4	5.2			
FM	(30°-60°)	12319.8	47.4			
FH	(60°-80°)	9139.2	35.2			G4/12000
FVH	(80°-90°)	118.9	0.5			G2/225
BL	(0°-30°)	542.8	2.1	B2/1000		
BM	(30°-60°)	1729.0	6.7	B2/2500		
BH	(60°-80°)	779.0	3.0	B2/1000		G2/1000
BVH	(80°-90°)	15.8	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



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CATALOG NUMBER: ARCH4-260-730-U-T3RE-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	2117.0	2117.0	2117.0	2117.0	2117.0	2117.0	2117.0	2117.0	2117.0	2117.0	2117.0
2.5°	2414.0	2418.7	2409.3	2390.4	2371.6	2348.0	2310.3	2249.0	2239.6	2197.1	2150.0
5°	2579.0	2588.4	2574.3	2569.6	2560.2	2527.2	2475.3	2385.7	2376.3	2291.4	2183.0
7.5°	2635.6	2649.7	2640.3	2640.3	2640.3	2626.2	2602.6	2522.4	2508.3	2399.9	2234.8
10°	2678.0	2687.5	2682.7	2701.6	2715.8	2706.3	2692.2	2645.0	2630.9	2522.4	2305.6
12.5°	2744.0	2748.8	2753.5	2762.9	2786.5	2795.9	2791.2	2748.8	2739.3	2663.9	2395.1
15°	2805.3	2805.3	2810.0	2852.5	2885.5	2904.3	2909.1	2876.1	2866.6	2805.3	2508.3
17.5°	2861.9	2866.6	2880.8	2927.9	2984.5	3022.2	3045.8	3031.6	3017.5	2970.4	2640.3
20°	2946.8	2956.2	2970.4	3036.4	3092.9	3154.2	3201.4	3196.7	3191.9	3158.9	2795.9
22.5°	3092.9	3102.4	3125.9	3187.2	3243.8	3319.3	3399.4	3394.7	3380.5	3357.0	2979.8
25°	3314.5	3314.5	3328.7	3380.5	3451.3	3540.8	3616.3	3630.4	3616.3	3602.1	3210.8
27.5°	3592.7	3597.4	3597.4	3654.0	3720.0	3833.2	3927.5	3941.6	3941.6	3927.5	3522.0
30°	3979.3	3965.2	3955.8	4002.9	4073.6	4238.6	4403.7	4432.0	4417.8	4441.4	3960.5
32.5°	4644.1	4620.5	4540.4	4549.8	4592.3	4818.6	5096.7	5195.8	5191.0	5233.5	4667.7
35°	5563.5	5516.4	5398.5	5299.5	5294.8	5539.9	5964.3	6336.8	6332.0	6478.2	5742.7
37.5°	6600.8	6662.1	6440.5	6270.7	6218.9	6412.2	6959.1	7765.3	7807.8	8062.4	7152.4
40°	7986.9	8024.7	7741.8	7501.3	7256.1	7326.9	8048.2	9302.4	9377.8	9660.7	8562.2
42.5°	9193.9	9231.7	9066.6	8774.3	8463.1	8331.1	9146.8	10698.0	10759.3	11150.6	10014.3
45°	10014.3	10042.6	10099.2	10127.5	9773.9	9500.4	10490.5	12131.3	12206.7	12659.4	11433.5
47.5°	10655.5	10679.1	10792.3	11075.2	11004.4	10787.6	11857.8	13621.2	13640.0	14144.5	12814.9
50°	10952.6	11009.2	11287.3	11721.1	12032.3	12093.6	13343.0	15030.9	15082.8	15563.7	14121.0
52.5°	10622.5	10641.4	11343.9	12159.6	12786.7	13409.0	14832.9	16336.9	16487.8	16846.1	15295.0
55°	9509.8	9646.6	10712.1	12145.4	13380.7	14658.4	16426.5	17746.7	17883.4	18109.7	16327.5
57.5°	8218.0	8368.8	9665.4	11537.2	13635.3	15813.6	17902.3	19246.0	19340.3	19401.6	17275.2
60°	7100.6	7242.0	8576.3	10372.7	13380.7	16629.3	19274.3	20735.9	20816.0	20651.0	17751.4
62.5°	5728.5	5870.0	7213.7	8830.9	12381.2	16794.3	20292.7	22060.8	22093.8	21645.8	17459.1
65°	4318.8	4413.1	5535.2	6921.4	10632.0	15917.3	20523.7	22885.9	22852.8	21933.5	16582.1
66°	3870.9	3951.0	4941.2	6119.9	9722.0	15115.8	20212.5	22951.9	22918.9	21721.3	16006.9
67.5°	3338.1	3361.7	4177.4	5007.2	8133.1	13413.7	19264.9	22650.1	22678.4	21136.6	14955.5
70°	2607.3	2602.6	3074.1	3484.3	5554.1	9542.8	16068.2	20750.0	20886.8	18930.1	12753.7
72.5°	1669.1	1612.5	1885.9	2131.1	3234.4	5539.9	11716.4	16912.1	17143.2	14870.6	9500.4
75°	994.8	938.3	1004.3	1065.6	1551.2	2663.9	6888.4	11508.9	11730.5	9533.4	5653.1
77.5°	744.9	721.4	726.1	674.2	688.4	999.5	3144.8	6082.1	6242.5	3903.9	2145.3
80°	570.5	509.2	476.2	499.8	452.6	396.0	1169.3	2093.4	2192.4	924.1	447.9
82.5°	381.9	330.0	306.5	334.8	287.6	221.6	282.9	405.5	396.0	249.9	174.4
85°	198.0	169.7	169.7	169.7	146.2	108.4	122.6	165.0	165.0	132.0	103.7
87.5°	56.6	51.9	61.3	56.6	42.4	42.4	47.1	56.6	56.6	51.9	47.1
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: P1211390

CATALOG NUMBER: ARCH4-260-730-U-T3RE-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2117.0	2117.0	2117.0	2117.0	2117.0	2117.0	2117.0	2117.0	2117.0	2117.0	2117.0
2.5°	2112.3	2093.4	2041.5	2003.8	1966.1	1933.1	1895.4	1885.9	1867.1	1871.8	1862.4
5°	2126.4	2074.5	1984.9	1900.1	1834.1	1777.5	1706.8	1678.5	1640.8	1626.6	1617.2
7.5°	2145.3	2069.8	1937.8	1819.9	1706.8	1593.6	1480.5	1414.5	1372.0	1353.2	1339.0
10°	2187.7	2088.7	1914.2	1730.3	1537.0	1376.7	1263.6	1216.4	1188.1	1183.4	1178.7
12.5°	2244.3	2117.0	1890.7	1617.2	1362.6	1211.7	1141.0	1126.8	1122.1	1122.1	1117.4
15°	2329.1	2164.1	1852.9	1485.2	1225.9	1122.1	1089.1	1065.6	1056.1	1056.1	1056.1
17.5°	2414.0	2220.7	1796.4	1348.4	1131.6	1065.6	1032.6	1018.4	1009.0	1013.7	1009.0
20°	2522.4	2286.7	1720.9	1230.6	1070.3	1018.4	985.4	971.3	966.5	966.5	966.5
22.5°	2645.0	2362.1	1626.6	1141.0	1018.4	971.3	938.3	924.1	914.7	919.4	919.4
25°	2810.0	2456.4	1527.6	1051.4	966.5	924.1	886.4	867.5	867.5	872.2	877.0
27.5°	3022.2	2569.6	1428.6	994.8	919.4	877.0	834.5	815.7	820.4	829.8	829.8
30°	3333.4	2725.2	1329.6	933.5	867.5	820.4	782.7	763.8	773.2	792.1	792.1
32.5°	3776.6	2979.8	1244.7	862.8	792.1	740.2	702.5	688.4	711.9	749.7	749.7
35°	4568.7	3446.6	1192.9	792.1	711.9	650.6	603.5	589.4	622.4	669.5	669.5
37.5°	5629.5	4196.2	1211.7	730.8	645.9	575.2	523.3	504.5	528.1	570.5	584.6
40°	6812.9	5101.5	1376.7	678.9	584.6	513.9	462.1	443.2	457.3	476.2	480.9
42.5°	7996.4	6063.3	1687.9	641.2	537.5	462.1	414.9	400.8	410.2	414.9	419.6
45°	9175.1	7015.7	2079.2	617.6	495.1	419.6	372.5	372.5	377.2	377.2	377.2
47.5°	10292.5	7944.5	2489.4	612.9	457.3	377.2	339.5	344.2	344.2	348.9	348.9
50°	11348.6	8774.3	2904.3	627.1	424.3	339.5	311.2	311.2	311.2	315.9	311.2
52.5°	12230.3	9500.4	3338.1	650.6	391.3	311.2	282.9	282.9	282.9	287.6	282.9
55°	13064.8	10160.5	3781.3	683.7	363.0	287.6	259.3	249.9	249.9	254.6	249.9
57.5°	13743.8	10599.0	4200.9	688.4	339.5	264.0	240.5	226.3	226.3	226.3	226.3
60°	13772.1	10344.4	4323.5	603.5	311.2	240.5	216.9	198.0	202.7	202.7	202.7
62.5°	12871.5	9005.4	3474.8	452.6	278.2	216.9	198.0	179.2	179.2	179.2	179.2
65°	11103.5	7006.3	2036.8	358.3	240.5	193.3	174.4	160.3	160.3	160.3	155.6
66°	10273.6	6143.4	1560.6	325.3	226.3	188.6	169.7	155.6	150.9	146.2	146.2
67.5°	8920.5	4856.3	976.0	287.6	207.5	174.4	155.6	141.4	136.7	132.0	132.0
70°	6718.7	3083.5	476.2	221.6	179.2	150.9	136.7	122.6	117.9	113.2	108.4
72.5°	4714.8	1805.8	249.9	169.7	146.2	132.0	117.9	103.7	99.0	94.3	94.3
75°	2663.9	872.2	165.0	122.6	117.9	108.4	99.0	84.9	80.2	80.2	80.2
77.5°	1009.0	301.8	113.2	89.6	94.3	84.9	70.7	70.7	66.0	70.7	66.0
80°	264.0	132.0	70.7	66.0	70.7	61.3	51.9	56.6	56.6	56.6	56.6
82.5°	141.4	75.4	42.4	47.1	42.4	42.4	33.0	37.7	42.4	37.7	42.4
85°	99.0	37.7	23.6	23.6	18.9	18.9	14.1	18.9	23.6	18.9	18.9
87.5°	51.9	14.1	14.1	14.1	14.1	9.4	4.7	0.0	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)