

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: P1210155

Luminaire Tested: **ARCH2-30-750-U-T3RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210155
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: ARCH2-30-750-U-T3RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5000K, 260mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5424 lumens
Efficiency: N/A
Efficacy: 157.7 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 34.4
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

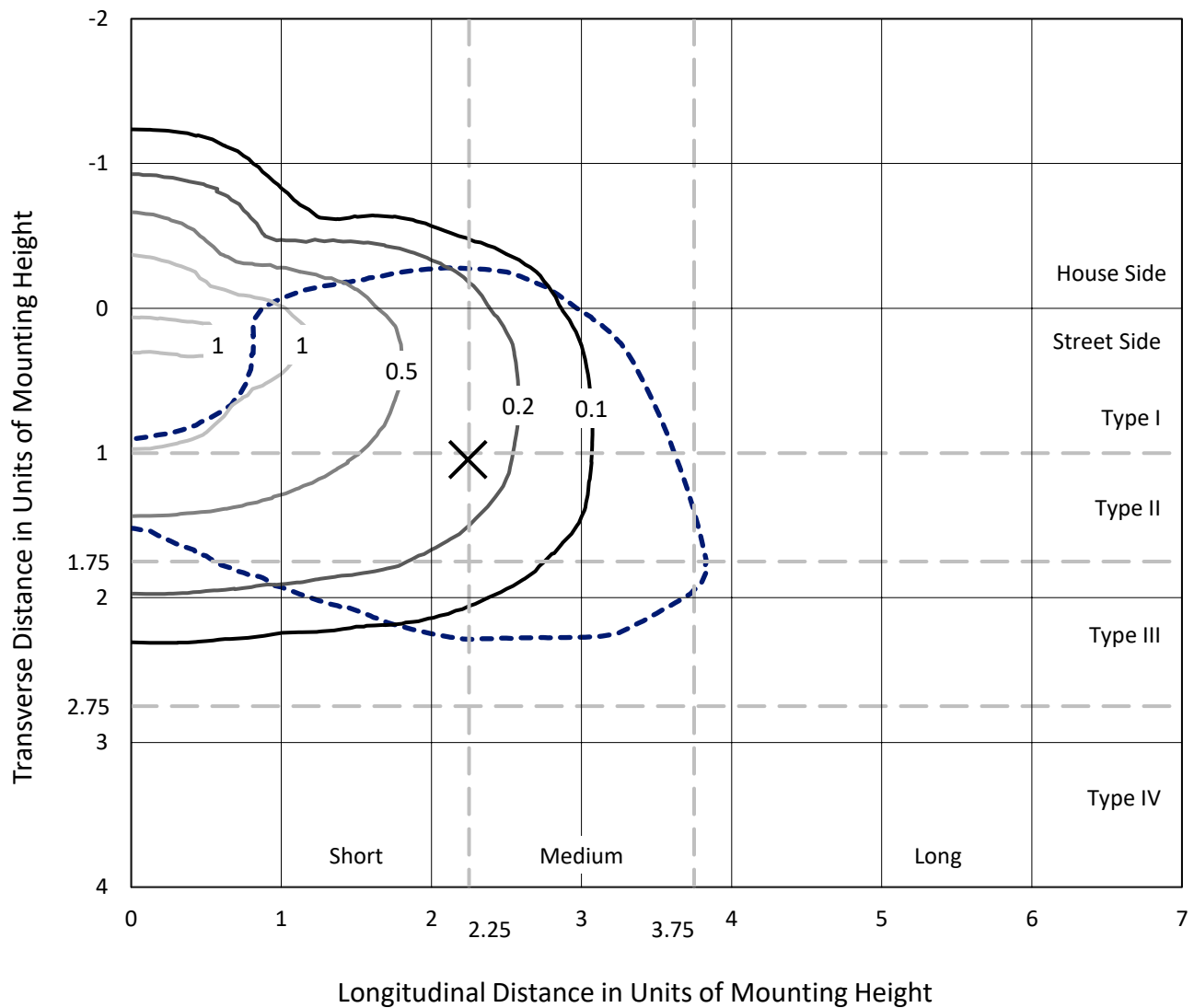


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Iso-Footcandle Lines of Horizontal Illumination

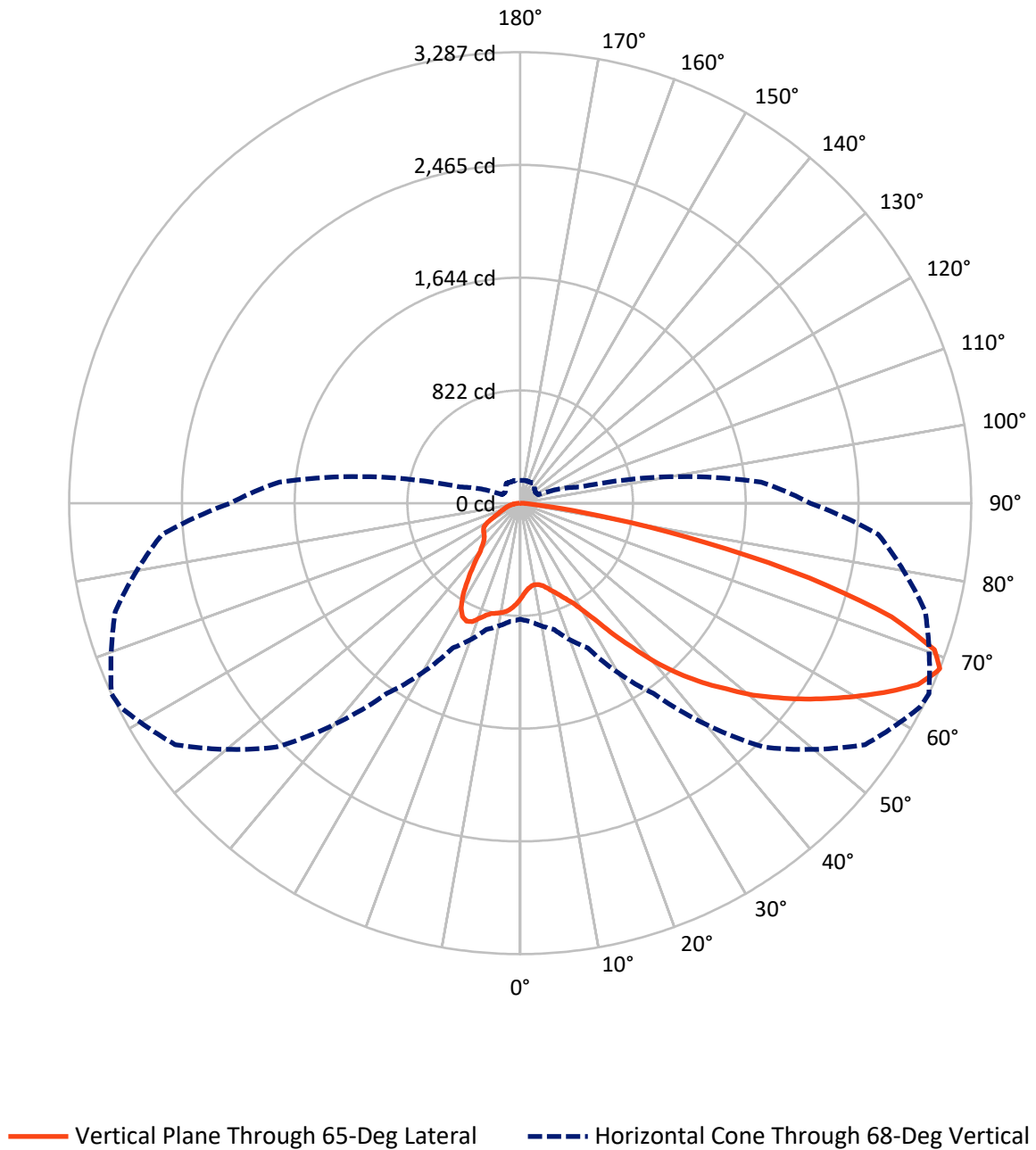
✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1329.8	0.0	1329.8
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	4094.2	0.0	4094.2
	% Fixture	75.5	0.0	75.5
Total	Lumens	5424.0	0.0	5424.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.2	1.2
10°-20°	215.7	4.0
20°-30°	390.4	7.2
30°-40°	614.1	11.3
40°-50°	914.6	16.9
50°-60°	1199.8	22.1
60°-70°	1312.0	24.2
70°-80°	649.2	12.0
80°-90°	61.9	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°	5424.0	100.0
0°-180°	5424.0	100.0

Coefficient of Utilization



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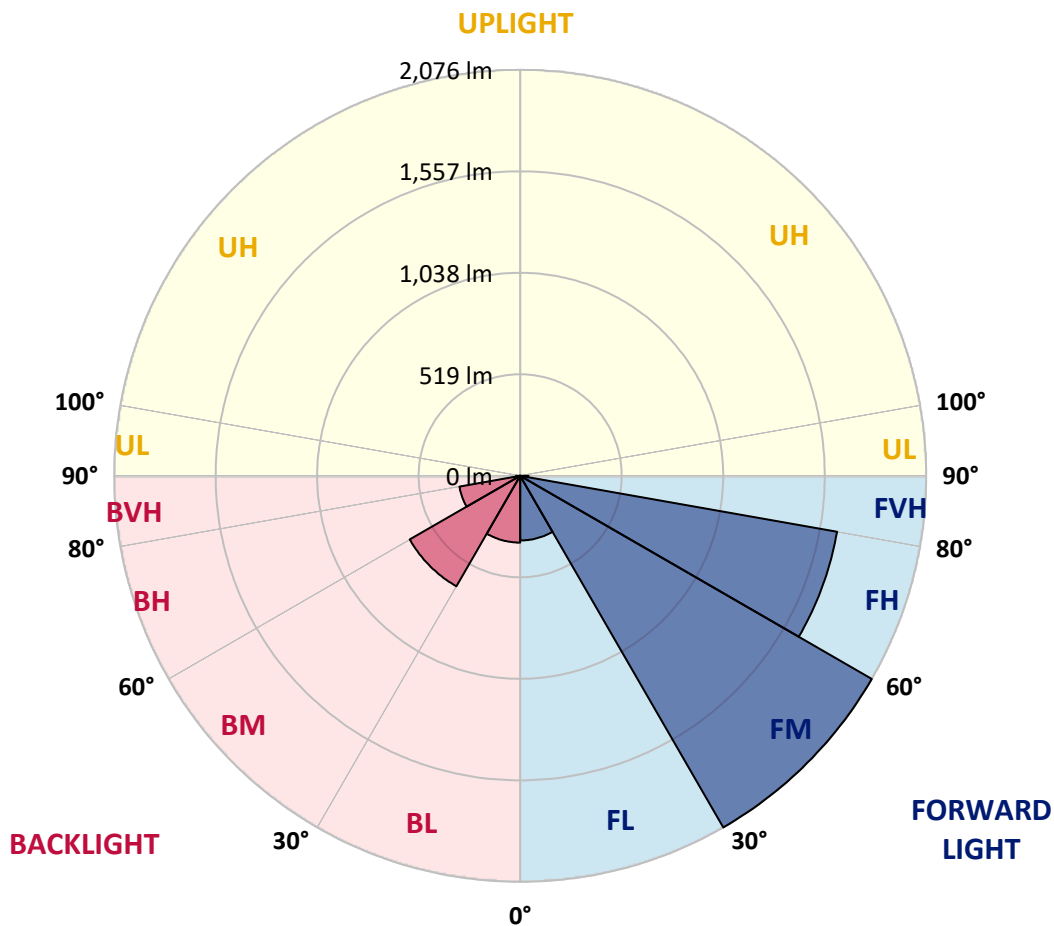
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	330.7	6.1			
FM	(30°-60°)	2076.2	38.3			
FH	(60°-80°)	1645.7	30.3			G1/1800
FVH	(80°-90°)	41.7	0.8			G1/100
BL	(0°-30°)	341.6	6.3	B1/500		
BM	(30°-60°)	652.3	12.0	B1/1000		
BH	(60°-80°)	315.6	5.8	B1/500		G1/500
BVH	(80°-90°)	20.3	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	693.1	693.1	693.1	693.1	693.1	693.1	693.1	693.1	693.1	693.1	693.1
2.5°	605.0	603.6	607.1	610.6	618.3	627.4	640.0	650.5	651.9	671.4	686.8
5°	569.3	567.2	570.7	574.9	578.4	589.6	602.9	618.3	624.6	653.3	686.1
7.5°	572.8	572.1	573.5	572.1	572.1	577.0	586.1	601.5	608.5	642.8	689.6
10°	593.1	594.5	595.2	591.0	586.8	584.7	587.5	598.0	602.9	643.5	705.0
12.5°	626.7	628.8	629.5	621.8	616.2	607.1	602.2	606.4	609.9	650.5	726.7
15°	672.1	673.5	668.6	663.7	649.8	638.6	626.7	623.2	624.6	665.1	751.2
17.5°	725.3	723.2	723.2	711.3	693.1	675.6	656.1	653.3	653.3	688.9	786.1
20°	783.3	785.4	779.1	763.1	744.9	717.6	698.0	685.4	686.8	716.2	828.8
22.5°	867.3	870.8	854.0	830.9	802.9	771.5	743.5	723.2	723.9	751.9	872.9
25°	957.5	958.9	948.4	917.6	879.9	835.1	798.0	772.2	771.5	791.7	929.5
27.5°	1049.8	1056.1	1035.1	1005.8	970.8	914.8	865.9	830.9	825.3	852.6	1000.2
30°	1144.9	1152.6	1132.4	1103.7	1060.3	1012.8	954.7	914.1	910.6	947.0	1094.6
32.5°	1240.8	1242.9	1226.8	1203.0	1163.8	1119.1	1072.2	1027.4	1023.9	1083.4	1217.0
35°	1319.1	1325.4	1314.2	1308.6	1279.9	1238.7	1193.2	1167.3	1176.4	1252.7	1375.8
37.5°	1413.5	1419.8	1407.2	1405.8	1396.7	1361.1	1329.6	1331.7	1340.8	1444.3	1542.9
40°	1549.9	1556.9	1524.7	1510.7	1510.7	1475.8	1465.3	1514.9	1526.8	1633.1	1717.1
42.5°	1665.3	1676.5	1657.6	1648.5	1621.2	1596.8	1609.4	1679.3	1699.6	1813.6	1868.8
45°	1721.3	1729.7	1752.0	1778.6	1752.0	1709.4	1756.9	1836.0	1864.6	1980.0	2020.6
47.5°	1751.3	1759.0	1784.9	1856.3	1874.4	1838.8	1905.9	2004.5	2024.1	2145.1	2165.4
50°	1755.5	1780.0	1813.6	1884.9	1968.2	1973.1	2055.6	2175.9	2199.0	2307.4	2292.7
52.5°	1721.3	1731.1	1800.3	1920.6	2012.9	2096.8	2218.5	2340.2	2357.0	2459.8	2405.3
55°	1665.3	1679.3	1748.5	1912.2	2056.3	2214.4	2384.3	2501.8	2520.7	2608.1	2509.5
57.5°	1615.0	1621.9	1696.1	1887.7	2099.6	2331.9	2531.9	2670.4	2683.0	2738.2	2586.4
60°	1559.0	1566.7	1640.8	1835.3	2131.8	2420.7	2685.8	2840.3	2851.5	2875.3	2676.0
62.5°	1414.2	1434.5	1527.5	1748.5	2123.4	2522.1	2850.1	3008.2	3022.2	2996.3	2746.6
65°	1148.4	1177.1	1291.1	1552.0	2045.1	2587.8	2984.4	3162.8	3186.5	3087.2	2765.5
67.5°	891.8	912.0	1003.7	1231.7	1770.2	2555.0	3071.1	3269.1	3276.1	3072.5	2660.6
68°	845.6	865.9	953.3	1164.5	1694.0	2515.8	3069.0	3271.9	3287.3	3056.4	2620.0
70°	647.0	670.0	753.3	922.5	1365.3	2266.8	2941.0	3204.7	3202.6	2862.0	2368.2
72.5°	404.3	417.6	474.9	581.9	902.9	1724.8	2496.2	2826.3	2831.9	2333.3	1816.4
75°	256.7	256.7	253.9	281.9	463.0	982.7	1855.6	2175.9	2180.1	1633.8	1144.9
77.5°	223.1	216.8	186.7	158.1	184.6	381.9	1098.1	1405.1	1382.0	879.9	543.4
80°	188.1	177.7	153.2	127.3	118.9	119.6	421.7	713.4	682.6	316.8	180.4
82.5°	135.7	126.6	115.4	100.0	91.6	71.3	88.1	206.3	201.4	91.6	58.8
85°	73.4	66.4	65.0	65.7	55.3	44.1	37.1	45.5	45.5	39.9	33.6
87.5°	25.9	18.9	22.4	25.2	21.7	18.2	14.7	17.5	18.2	17.5	16.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	693.1	693.1	693.1	693.1	693.1	693.1	693.1	693.1	693.1	693.1	693.1
2.5°	695.9	702.9	719.7	734.4	744.9	754.0	758.9	761.0	765.9	766.6	765.2
5°	701.5	719.7	744.9	766.6	778.4	783.3	784.7	785.4	783.3	784.7	783.3
7.5°	716.2	739.3	775.0	793.8	795.9	788.2	788.9	786.1	788.9	791.7	791.7
10°	738.6	768.0	801.5	808.5	799.4	795.2	803.6	820.4	826.0	833.7	833.7
12.5°	768.0	802.9	826.7	820.4	812.0	826.0	850.5	867.3	872.9	875.7	873.6
15°	801.5	839.3	851.2	830.2	845.6	875.7	884.1	874.3	860.3	854.0	857.5
17.5°	844.2	875.7	868.7	854.7	889.7	893.9	866.6	835.1	812.7	804.3	809.9
20°	889.0	916.2	884.1	890.4	912.0	867.3	815.5	775.0	755.4	751.9	757.5
22.5°	936.5	954.0	899.4	931.6	899.4	808.5	746.3	725.3	720.4	726.0	730.9
25°	990.4	988.3	926.0	944.2	852.6	736.5	699.4	698.0	698.0	701.5	708.5
27.5°	1051.2	1018.3	952.6	927.4	771.5	677.0	670.0	670.7	668.6	669.3	672.8
30°	1121.9	1058.9	982.0	872.2	680.5	632.3	629.5	627.4	622.5	621.1	622.5
32.5°	1210.7	1101.6	1012.1	781.2	600.8	586.1	584.7	573.5	561.6	560.2	565.1
35°	1323.3	1179.2	1027.4	667.2	535.1	534.4	529.5	512.0	496.6	496.6	493.1
37.5°	1452.0	1279.2	1033.7	556.0	480.5	484.0	470.0	447.6	435.7	428.7	430.8
40°	1583.5	1393.2	1033.0	458.8	432.9	433.6	423.1	395.9	366.5	349.0	353.2
42.5°	1710.1	1496.8	1014.9	407.1	394.5	392.4	384.0	346.9	322.4	308.4	309.1
45°	1811.5	1603.8	986.9	376.3	359.5	363.0	344.1	321.7	299.4	286.8	286.1
47.5°	1912.9	1684.9	942.1	357.4	333.6	327.3	319.6	304.2	287.5	273.5	274.2
50°	2005.2	1754.1	900.1	344.8	309.8	293.8	295.2	286.1	271.4	258.8	258.1
52.5°	2070.3	1799.6	877.1	337.8	281.2	263.7	268.6	263.7	249.7	240.6	239.9
55°	2135.3	1834.6	884.8	328.7	249.7	235.7	244.1	242.7	235.0	232.2	232.9
57.5°	2187.8	1861.1	912.0	311.9	219.6	211.2	225.2	221.0	215.4	216.1	216.1
60°	2238.8	1895.4	944.2	273.5	193.7	194.4	207.7	200.0	196.5	202.8	203.5
62.5°	2292.0	1932.5	917.6	217.5	171.4	176.3	191.6	185.3	186.7	195.8	198.6
65°	2285.7	1929.0	747.7	178.4	151.8	161.6	184.6	182.5	183.2	186.7	188.1
67.5°	2157.0	1805.9	514.1	151.8	137.8	149.7	179.1	170.7	171.4	169.3	170.0
68°	2113.6	1762.5	453.2	147.6	135.0	146.9	176.3	168.6	169.3	167.2	166.5
70°	1877.2	1509.3	286.8	130.1	125.2	139.2	162.3	159.5	158.8	157.4	157.4
72.5°	1431.0	1114.2	151.1	112.6	114.0	127.3	144.8	150.4	146.9	147.6	151.8
75°	947.7	670.0	104.9	96.5	100.0	109.1	128.7	139.9	136.4	138.5	136.4
77.5°	501.5	360.9	83.9	81.8	81.8	88.1	106.3	123.8	123.8	122.4	120.3
80°	164.4	127.3	67.1	64.3	65.7	69.2	85.3	101.4	103.5	100.7	99.3
82.5°	55.3	58.8	50.4	46.9	48.3	51.1	64.3	77.6	78.3	72.7	71.3
85°	34.3	39.2	31.5	30.8	30.8	31.5	39.2	42.7	39.2	35.0	36.4
87.5°	16.1	19.6	14.7	12.6	10.5	9.1	7.0	2.8	2.8	1.4	1.4
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)