

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: P1210135

Luminaire Tested: **ARCH2-30-722-U-T3RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210135
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: ARCH2-30-722-U-T3RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 260mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4520 lumens
Efficiency: N/A
Efficacy: 131.4 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

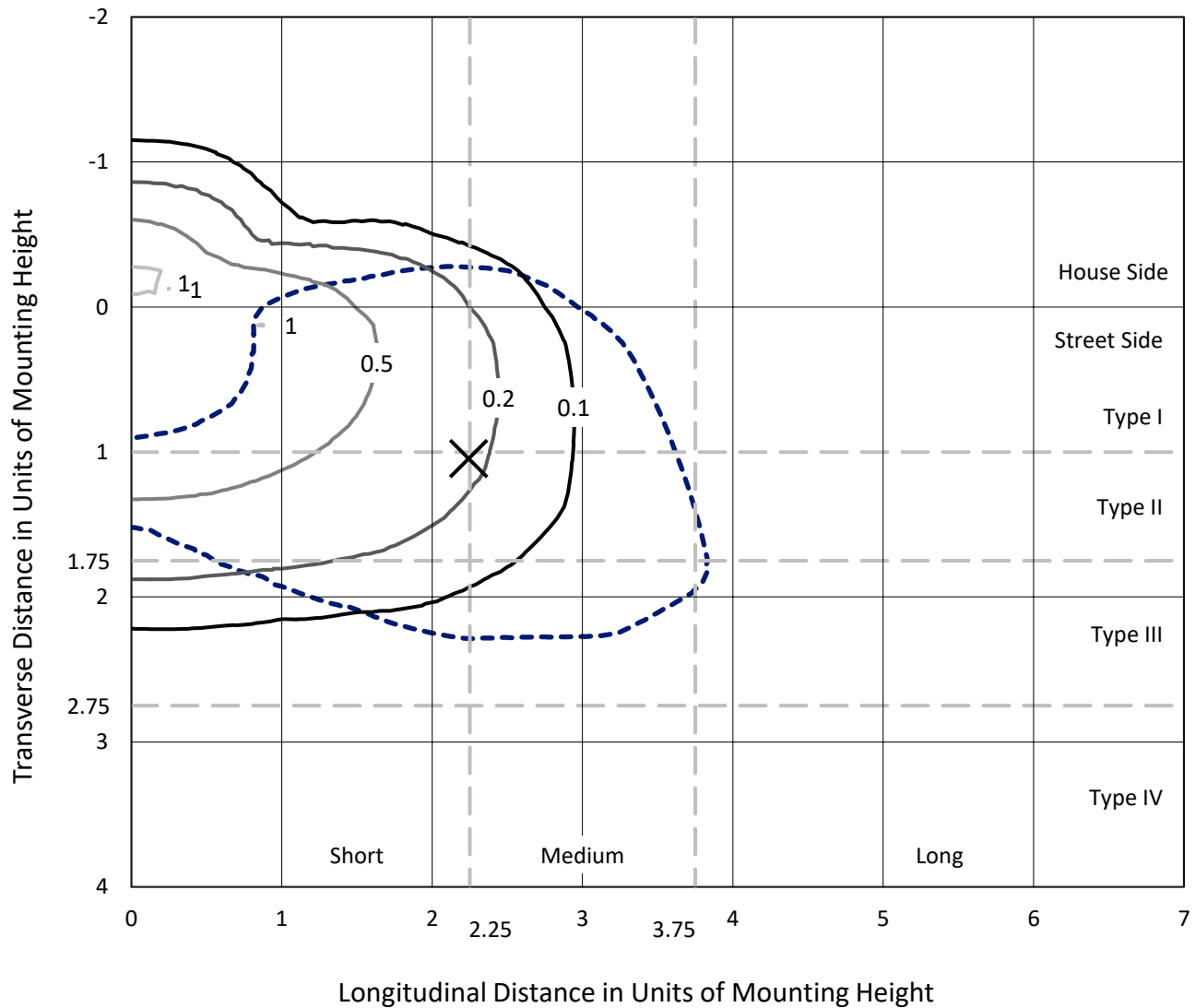


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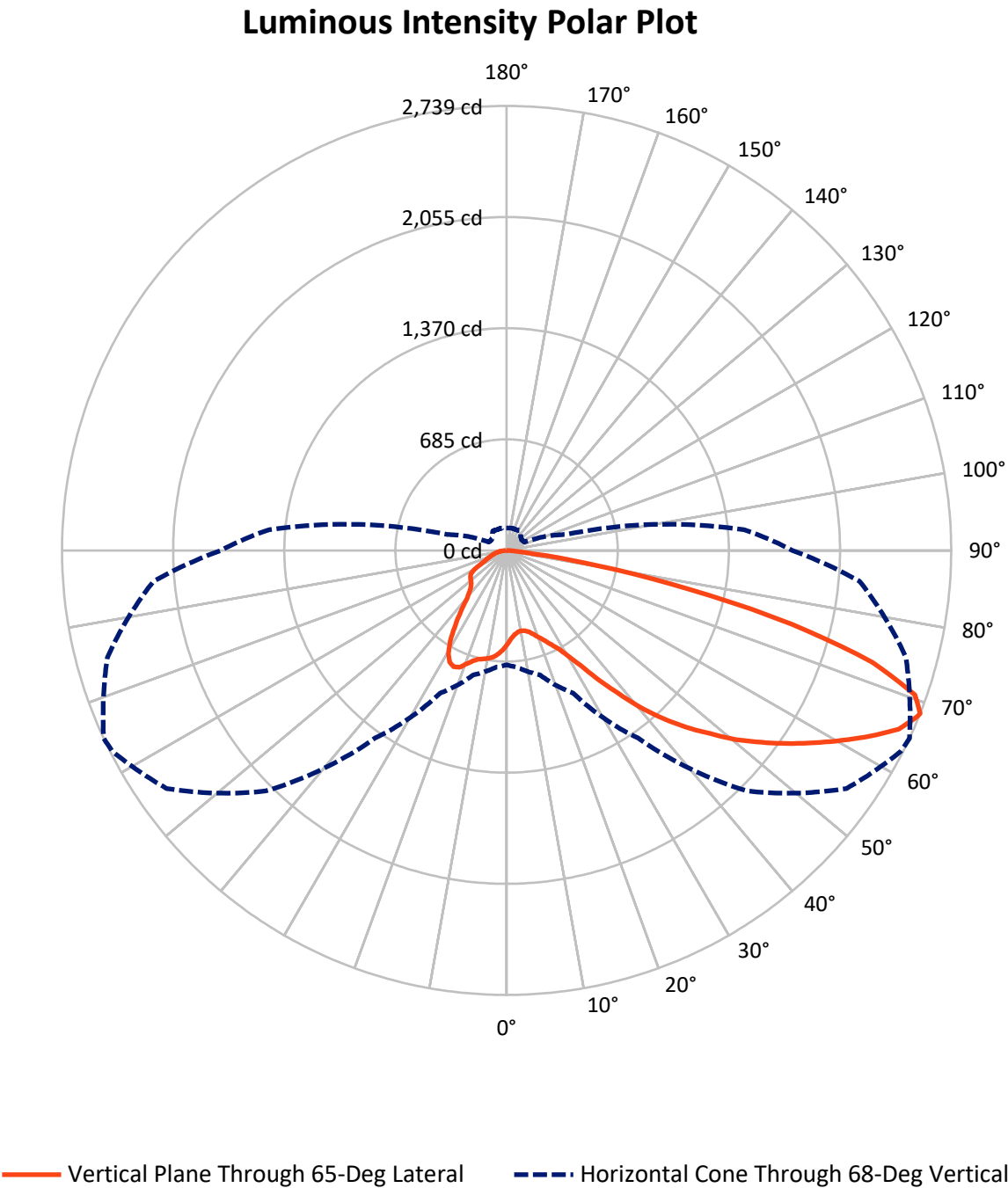
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
Type III - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1108.2	0.0	1108.2
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	3411.8	0.0	3411.8
	% Fixture	75.5	0.0	75.5
Total	Lumens	4520.0	0.0	4520.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.2	1.2
10°-20°	179.7	4.0
20°-30°	325.3	7.2
30°-40°	511.7	11.3
40°-50°	762.2	16.9
50°-60°	999.8	22.1
60°-70°	1093.4	24.2
70°-80°	541.0	12.0
80°-90°	51.6	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°	4520.0	100.0
0°-180°	4520.0	100.0

Coefficient of Utilization



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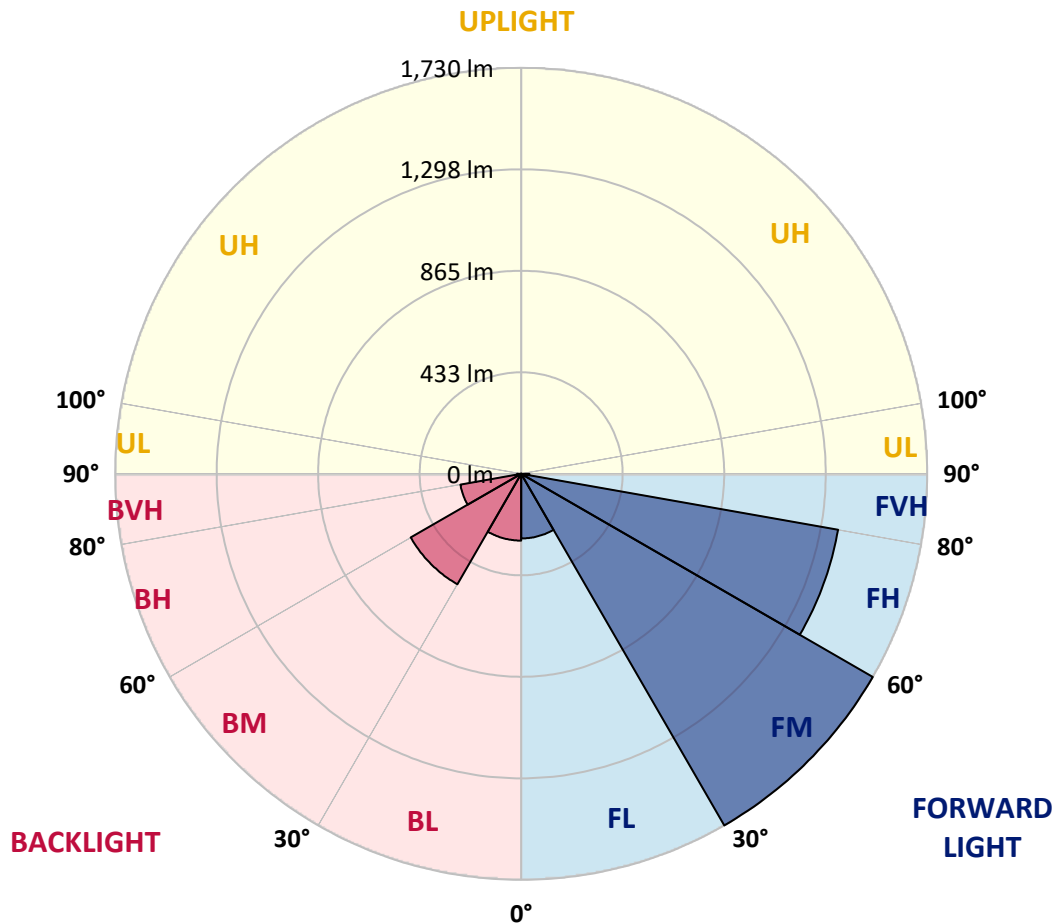
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	275.5	6.1			
FM	(30°-60°)	1730.2	38.3			
FH	(60°-80°)	1371.4	30.3			G1/1800
FVH	(80°-90°)	34.7	0.8			G1/100
BL	(0°-30°)	284.7	6.3	B1/500		
BM	(30°-60°)	543.5	12.0	B1/1000		
BH	(60°-80°)	263.0	5.8	B1/500		G1/500
BVH	(80°-90°)	16.9	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°	577.6	577.6	577.6	577.6	577.6	577.6	577.6	577.6	577.6	577.6	577.6
2.5°	504.2	503.0	505.9	508.8	515.2	522.8	533.3	542.0	543.2	559.5	572.4
5°	474.4	472.7	475.6	479.1	482.0	491.3	502.4	515.2	520.5	544.4	571.8
7.5°	477.4	476.8	477.9	476.8	476.8	480.8	488.4	501.2	507.1	535.6	574.7
10°	494.3	495.4	496.0	492.5	489.0	487.3	489.6	498.3	502.4	536.2	587.5
12.5°	522.2	524.0	524.6	518.2	513.5	505.9	501.8	505.3	508.2	542.0	605.6
15°	560.1	561.3	557.2	553.1	541.5	532.1	522.2	519.3	520.5	554.3	626.0
17.5°	604.4	602.7	602.7	592.8	577.6	563.0	546.7	544.4	544.4	574.1	655.1
20°	652.8	654.5	649.3	635.9	620.7	598.0	581.7	571.2	572.4	596.8	690.7
22.5°	722.7	725.6	711.7	692.4	669.1	642.9	619.6	602.7	603.2	626.6	727.4
25°	797.9	799.1	790.3	764.7	733.2	695.9	665.0	643.5	642.9	659.8	774.6
27.5°	874.9	880.1	862.6	838.1	809.0	762.4	721.6	692.4	687.8	710.5	833.5
30°	954.1	960.5	943.6	919.7	883.6	844.0	795.6	761.8	758.9	789.2	912.2
32.5°	1034.0	1035.7	1022.3	1002.5	969.9	932.6	893.5	856.2	853.3	902.8	1014.2
35°	1099.2	1104.5	1095.2	1090.5	1066.6	1032.2	994.3	972.8	980.3	1043.9	1146.5
37.5°	1177.9	1183.2	1172.7	1171.5	1163.9	1134.2	1108.0	1109.7	1117.3	1203.6	1285.8
40°	1291.6	1297.4	1270.6	1258.9	1258.9	1229.8	1221.1	1262.4	1272.4	1360.9	1430.9
42.5°	1387.8	1397.1	1381.3	1373.8	1351.0	1330.6	1341.1	1399.4	1416.3	1511.3	1557.4
45°	1434.4	1441.4	1460.0	1482.2	1460.0	1424.5	1464.1	1530.0	1553.9	1650.0	1683.8
47.5°	1459.4	1465.9	1487.4	1546.9	1562.0	1532.3	1588.3	1670.4	1686.8	1787.6	1804.5
50°	1462.9	1483.3	1511.3	1570.8	1640.1	1644.2	1713.0	1813.2	1832.5	1922.8	1910.6
52.5°	1434.4	1442.5	1500.2	1600.5	1677.4	1747.4	1848.8	1950.2	1964.2	2049.9	2004.4
55°	1387.8	1399.4	1457.1	1593.5	1713.6	1845.3	1986.9	2084.8	2100.6	2173.4	2091.3
57.5°	1345.8	1351.6	1413.4	1573.1	1749.7	1943.2	2109.9	2225.3	2235.8	2281.8	2155.4
60°	1299.2	1305.6	1367.4	1529.4	1776.5	2017.2	2238.1	2366.9	2376.3	2396.1	2230.0
62.5°	1178.5	1195.4	1272.9	1457.1	1769.5	2101.7	2375.1	2506.8	2518.5	2496.9	2288.8
65°	957.0	980.9	1075.9	1293.3	1704.2	2156.5	2487.0	2635.6	2655.4	2572.7	2304.6
67.5°	743.1	760.0	836.4	1026.4	1475.2	2129.1	2559.3	2724.2	2730.1	2560.4	2217.1
68°	704.7	721.6	794.4	970.4	1411.7	2096.5	2557.5	2726.6	2739.4	2547.0	2183.3
70°	539.1	558.4	627.7	768.8	1137.7	1889.0	2450.9	2670.6	2668.9	2385.0	1973.5
72.5°	336.9	348.0	395.8	484.9	752.5	1437.3	2080.2	2355.3	2359.9	1944.4	1513.7
75°	213.9	213.9	211.6	234.9	385.8	818.9	1546.3	1813.2	1816.7	1361.5	954.1
77.5°	185.9	180.7	155.6	131.7	153.9	318.2	915.1	1170.9	1151.7	733.2	452.9
80°	156.8	148.0	127.6	106.1	99.1	99.7	351.5	594.5	568.9	264.0	150.4
82.5°	113.1	105.5	96.2	83.3	76.4	59.5	73.4	171.9	167.9	76.4	49.0
85°	61.2	55.4	54.2	54.8	46.0	36.7	30.9	37.9	37.9	33.2	28.0
87.5°	21.6	15.7	18.7	21.0	18.1	15.2	12.2	14.6	15.2	14.6	13.4
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°	577.6	577.6	577.6	577.6	577.6	577.6	577.6	577.6	577.6	577.6	577.6
2.5°	579.9	585.8	599.7	612.0	620.7	628.3	632.4	634.1	638.2	638.8	637.6
5°	584.6	599.7	620.7	638.8	648.7	652.8	654.0	654.5	652.8	654.0	652.8
7.5°	596.8	616.1	645.8	661.5	663.3	656.9	657.5	655.1	657.5	659.8	659.8
10°	615.5	640.0	667.9	673.8	666.2	662.7	669.7	683.7	688.3	694.8	694.8
12.5°	640.0	669.1	688.9	683.7	676.7	688.3	708.7	722.7	727.4	729.7	728.0
15°	667.9	699.4	709.3	691.8	704.7	729.7	736.7	728.6	716.9	711.7	714.6
17.5°	703.5	729.7	723.9	712.2	741.4	744.9	722.1	695.9	677.3	670.3	674.9
20°	740.8	763.5	736.7	742.0	760.0	722.7	679.6	645.8	629.5	626.6	631.2
22.5°	780.4	795.0	749.5	776.4	749.5	673.8	621.9	604.4	600.3	605.0	609.1
25°	825.3	823.6	771.7	786.8	710.5	613.7	582.8	581.7	581.7	584.6	590.4
27.5°	876.0	848.6	793.8	772.9	642.9	564.2	558.4	558.9	557.2	557.8	560.7
30°	934.9	882.4	818.3	726.8	567.1	526.9	524.6	522.8	518.7	517.6	518.7
32.5°	1008.9	918.0	843.4	651.0	500.7	488.4	487.3	477.9	468.0	466.9	470.9
35°	1102.7	982.7	856.2	556.0	445.9	445.3	441.2	426.6	413.8	413.8	410.9
37.5°	1210.0	1066.0	861.4	463.4	400.4	403.3	391.7	373.0	363.1	357.3	359.0
40°	1319.6	1161.0	860.9	382.3	360.8	361.4	352.6	329.9	305.4	290.8	294.3
42.5°	1425.1	1247.3	845.7	339.2	328.7	327.0	320.0	289.1	268.7	257.0	257.6
45°	1509.6	1336.5	822.4	313.6	299.6	302.5	286.8	268.1	249.5	239.0	238.4
47.5°	1594.1	1404.1	785.1	297.8	278.0	272.8	266.4	253.5	239.5	227.9	228.5
50°	1671.0	1461.8	750.1	287.3	258.2	244.8	246.0	238.4	226.1	215.7	215.1
52.5°	1725.2	1499.7	730.9	281.5	234.3	219.7	223.8	219.7	208.1	200.5	199.9
55°	1779.4	1528.8	737.3	273.9	208.1	196.4	203.4	202.2	195.8	193.5	194.1
57.5°	1823.1	1551.0	760.0	259.9	183.0	176.0	187.7	184.2	179.5	180.1	180.1
60°	1865.7	1579.5	786.8	227.9	161.4	162.0	173.1	166.7	163.8	169.0	169.6
62.5°	1910.0	1610.4	764.7	181.3	142.8	146.9	159.7	154.5	155.6	163.2	165.5
65°	1904.7	1607.5	623.1	148.6	126.5	134.6	153.9	152.1	152.7	155.6	156.8
67.5°	1797.5	1504.9	428.4	126.5	114.8	124.7	149.2	142.2	142.8	141.0	141.6
68°	1761.4	1468.8	377.7	123.0	112.5	122.4	146.9	140.5	141.0	139.3	138.7
70°	1564.4	1257.8	239.0	108.4	104.3	116.0	135.2	132.9	132.3	131.1	131.1
72.5°	1192.5	928.5	125.9	93.8	95.0	106.1	120.6	125.3	122.4	123.0	126.5
75°	789.8	558.4	87.4	80.4	83.3	90.9	107.2	116.6	113.7	115.4	113.7
77.5°	417.9	300.7	69.9	68.2	68.2	73.4	88.6	103.2	103.2	102.0	100.2
80°	137.0	106.1	56.0	53.6	54.8	57.7	71.1	84.5	86.3	83.9	82.8
82.5°	46.0	49.0	42.0	39.1	40.2	42.5	53.6	64.7	65.3	60.6	59.5
85°	28.6	32.6	26.2	25.6	25.6	26.2	32.6	35.6	32.6	29.1	30.3
87.5°	13.4	16.3	12.2	10.5	8.7	7.6	5.8	2.3	2.3	1.2	1.2
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)