

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: P1210039

Luminaire Tested: **ARCH1-60-722-U-T3RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210039
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: ARCH1-60-722-U-T3RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2200K, 1640mA LIGHTSQUARE WITH 10 LEDS AND TYPE III ROADWAY
ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6262 lumens
Efficiency: N/A
Efficacy: 104.4 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 60
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



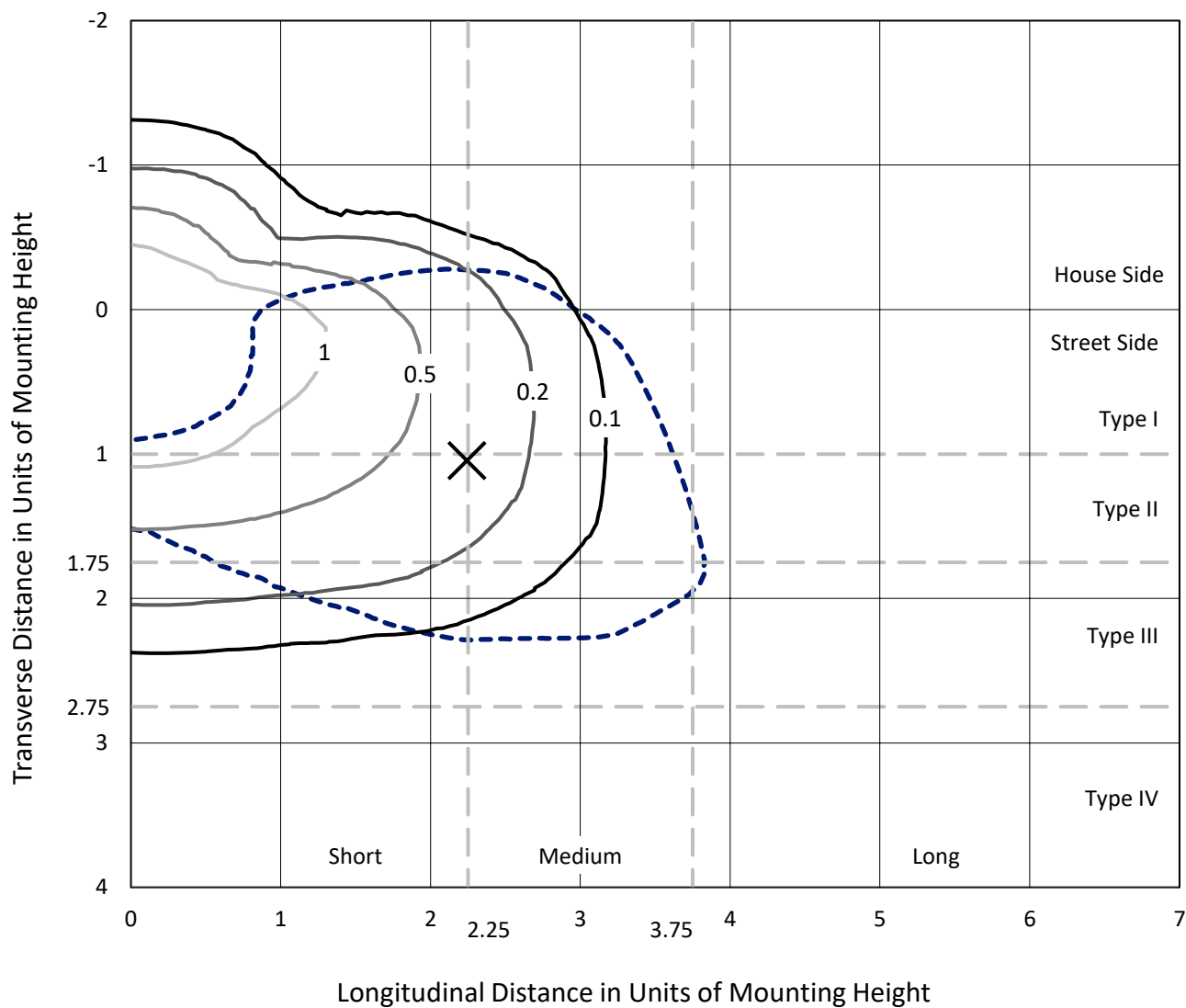
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

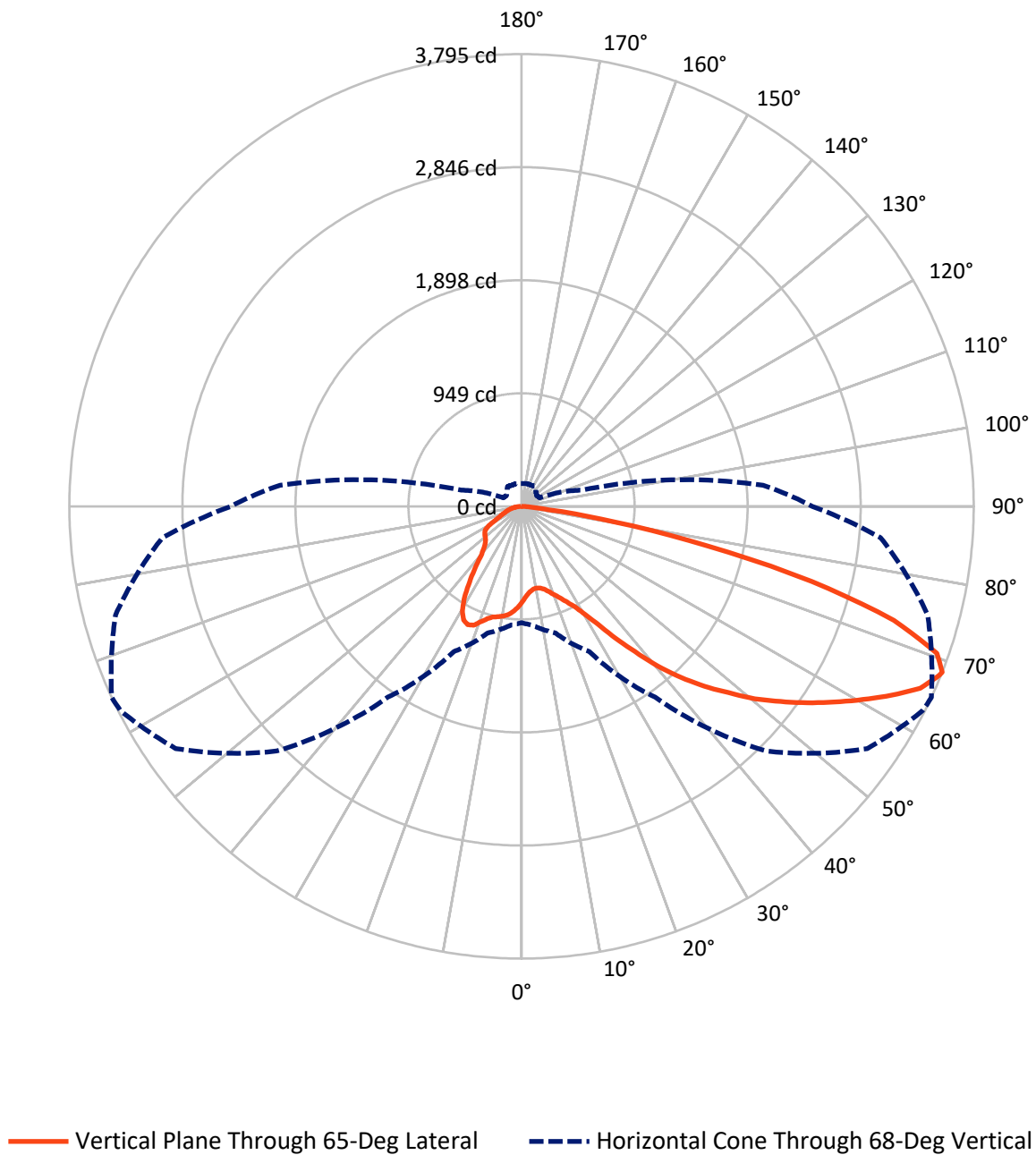


Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1535.3	0.0	1535.3
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	4726.7	0.0	4726.7
	% Fixture	75.5	0.0	75.5
Total	Lumens	6262.0	0.0	6262.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.5	1.2
10°-20°	249.0	4.0
20°-30°	450.7	7.2
30°-40°	709.0	11.3
40°-50°	1055.9	16.9
50°-60°	1385.2	22.1
60°-70°	1514.8	24.2
70°-80°	749.5	12.0
80°-90°	71.5	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°	6262.0	100.0
0°-180°	6262.0	100.0

Coefficient of Utilization



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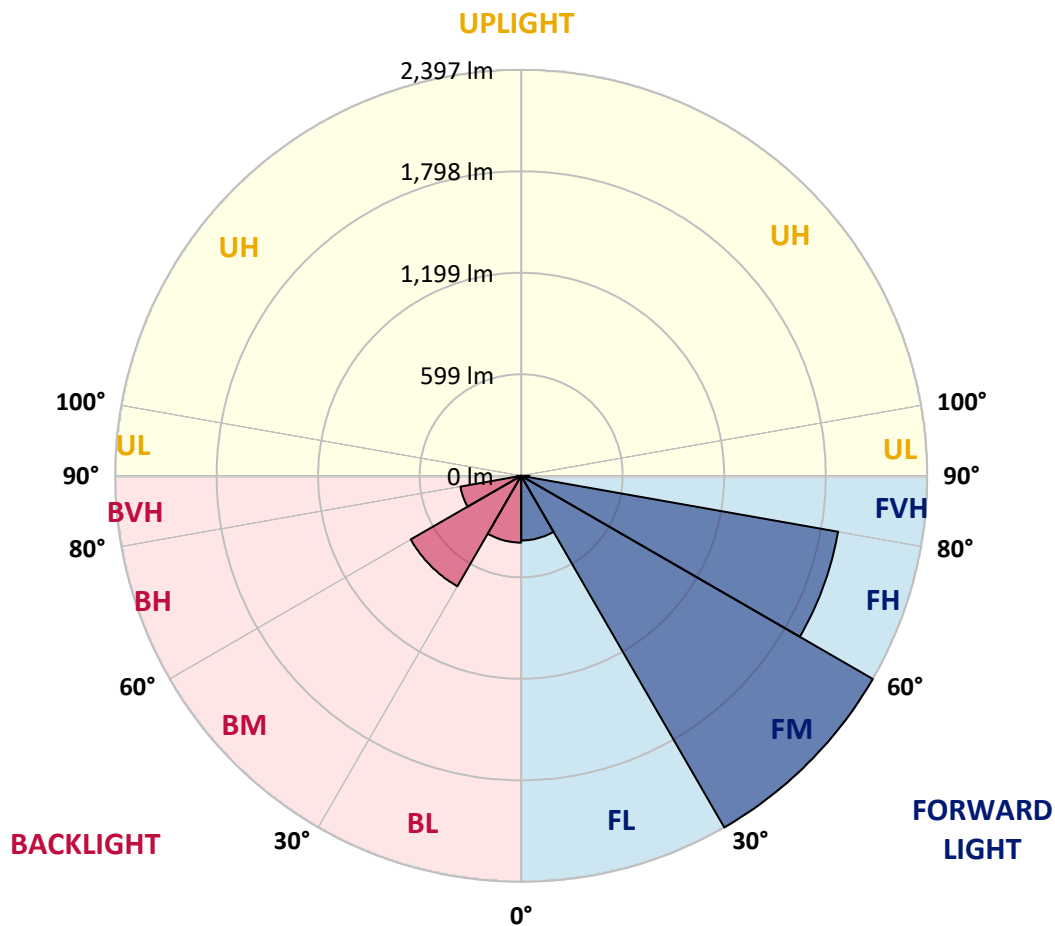
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	381.7	6.1			
FM	(30°-60°)	2397.0	38.3			
FH	(60°-80°)	1899.9	30.3			G2/5000
FVH	(80°-90°)	48.1	0.8			G1/100
BL	(0°-30°)	394.4	6.3	B1/500		
BM	(30°-60°)	753.0	12.0	B1/1000		
BH	(60°-80°)	364.4	5.8	B1/500		G1/500
BVH	(80°-90°)	23.4	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-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	800.2	800.2	800.2	800.2	800.2	800.2	800.2	800.2	800.2	800.2	800.2
2.5°	698.5	696.9	700.9	704.9	713.8	724.3	738.8	751.0	752.6	775.2	792.9
5°	657.3	654.9	658.9	663.7	667.8	680.7	696.0	713.8	721.1	754.2	792.1
7.5°	661.3	660.5	662.1	660.5	660.5	666.2	676.7	694.4	702.5	742.1	796.2
10°	684.7	686.4	687.2	682.3	677.5	675.0	678.3	690.4	696.0	742.9	813.9
12.5°	723.5	725.9	726.7	717.8	711.4	700.9	695.2	700.1	704.1	751.0	839.0
15°	776.0	777.6	771.9	766.3	750.1	737.2	723.5	719.5	721.1	767.9	867.2
17.5°	837.4	834.9	834.9	821.2	800.2	780.0	757.4	754.2	754.2	795.4	907.6
20°	904.4	906.8	899.5	881.0	860.0	828.5	805.9	791.3	792.9	826.9	956.9
22.5°	1001.3	1005.3	985.9	959.3	927.0	890.6	858.3	834.9	835.7	868.0	1007.7
25°	1105.4	1107.0	1094.9	1059.4	1015.8	964.1	921.3	891.5	890.6	914.1	1073.1
27.5°	1212.0	1219.3	1195.1	1161.1	1120.8	1056.2	999.7	959.3	952.8	984.3	1154.7
30°	1321.8	1330.7	1307.3	1274.2	1224.1	1169.2	1102.2	1055.4	1051.3	1093.3	1263.7
32.5°	1432.5	1434.9	1416.3	1388.9	1343.6	1292.0	1237.9	1186.2	1182.1	1250.8	1405.0
35°	1522.9	1530.2	1517.2	1510.8	1477.7	1430.0	1377.6	1347.7	1358.2	1446.2	1588.3
37.5°	1631.9	1639.2	1624.6	1623.0	1612.5	1571.3	1535.0	1537.4	1547.9	1667.4	1781.3
40°	1789.4	1797.4	1760.3	1744.1	1744.1	1703.8	1691.7	1749.0	1762.7	1885.5	1982.4
42.5°	1922.6	1935.5	1913.7	1903.2	1871.7	1843.5	1858.0	1938.7	1962.2	2093.8	2157.6
45°	1987.2	1996.9	2022.7	2053.4	2022.7	1973.5	2028.4	2119.6	2152.7	2286.0	2332.8
47.5°	2021.9	2030.8	2060.7	2143.0	2164.0	2122.9	2200.4	2314.2	2336.8	2476.5	2499.9
50°	2026.8	2055.0	2093.8	2176.1	2272.2	2277.9	2373.2	2512.1	2538.7	2663.9	2646.9
52.5°	1987.2	1998.5	2078.4	2217.3	2323.9	2420.8	2561.3	2701.8	2721.2	2839.9	2776.9
55°	1922.6	1938.7	2018.7	2207.6	2374.0	2556.5	2752.7	2888.3	2910.1	3011.1	2897.2
57.5°	1864.5	1872.5	1958.1	2179.4	2424.0	2692.1	2923.1	3082.9	3097.5	3161.3	2986.0
60°	1799.9	1808.7	1894.3	2118.8	2461.2	2794.7	3100.7	3279.2	3292.1	3319.5	3089.4
62.5°	1632.7	1656.1	1763.5	2018.7	2451.5	2911.8	3290.5	3472.9	3489.1	3459.2	3171.0
65°	1325.9	1359.0	1490.6	1791.8	2361.1	2987.7	3445.5	3651.4	3678.9	3564.2	3192.8
67.5°	1029.5	1052.9	1158.7	1422.0	2043.7	2949.7	3545.6	3774.1	3782.2	3547.2	3071.6
68°	976.2	999.7	1100.6	1344.4	1955.7	2904.5	3543.2	3777.4	3795.1	3528.7	3024.8
70°	746.9	773.6	869.7	1065.1	1576.2	2617.0	3395.4	3699.8	3697.4	3304.2	2734.1
72.5°	466.7	482.1	548.3	671.8	1042.4	1991.2	2881.9	3263.0	3269.5	2693.7	2097.0
75°	296.3	296.3	293.1	325.4	534.5	1134.5	2142.2	2512.1	2516.9	1886.3	1321.8
77.5°	257.6	250.3	215.6	182.5	213.2	440.9	1267.7	1622.2	1595.6	1015.8	627.4
80°	217.2	205.1	176.8	147.0	137.3	138.1	486.9	823.6	788.1	365.8	208.3
82.5°	156.7	146.2	133.2	115.5	105.8	82.4	101.7	238.2	232.6	105.8	67.8
85°	84.8	76.7	75.1	75.9	63.8	50.9	42.8	52.5	52.5	46.0	38.8
87.5°	29.9	21.8	25.8	29.1	25.0	21.0	17.0	20.2	21.0	20.2	18.6
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°	800.2	800.2	800.2	800.2	800.2	800.2	800.2	800.2	800.2	800.2	800.2
2.5°	803.4	811.5	830.9	847.8	860.0	870.5	876.1	878.5	884.2	885.0	883.4
5°	809.9	830.9	860.0	885.0	898.7	904.4	906.0	906.8	904.4	906.0	904.4
7.5°	826.9	853.5	894.7	916.5	918.9	910.0	910.8	907.6	910.8	914.1	914.1
10°	852.7	886.6	925.4	933.4	922.9	918.1	927.8	947.2	953.6	962.5	962.5
12.5°	886.6	927.0	954.4	947.2	937.5	953.6	981.9	1001.3	1007.7	1011.0	1008.5
15°	925.4	969.0	982.7	958.5	976.2	1011.0	1020.6	1009.3	993.2	985.9	990.0
17.5°	974.6	1011.0	1002.9	986.7	1027.1	1032.0	1000.5	964.1	938.3	928.6	935.1
20°	1026.3	1057.8	1020.6	1027.9	1052.9	1001.3	941.5	894.7	872.1	868.0	874.5
22.5°	1081.2	1101.4	1038.4	1075.6	1038.4	933.4	861.6	837.4	831.7	838.2	843.8
25°	1143.4	1141.0	1069.1	1090.1	984.3	850.3	807.5	805.9	805.9	809.9	818.0
27.5°	1213.6	1175.7	1099.8	1070.7	890.6	781.6	773.6	774.4	771.9	772.8	776.8
30°	1295.2	1222.5	1133.7	1006.9	785.7	730.0	726.7	724.3	718.7	717.0	718.7
32.5°	1397.7	1271.8	1168.4	901.9	693.6	676.7	675.0	662.1	648.4	646.8	652.4
35°	1527.7	1361.4	1186.2	770.3	617.7	616.9	611.3	591.1	573.3	573.3	569.3
37.5°	1676.3	1476.9	1193.4	641.9	554.7	558.8	542.6	516.8	503.1	495.0	497.4
40°	1828.1	1608.5	1192.6	529.7	499.8	500.6	488.5	457.0	423.1	402.9	407.8
42.5°	1974.3	1728.0	1171.6	470.0	455.4	453.0	443.3	400.5	372.2	356.1	356.9
45°	2091.4	1851.5	1139.3	434.4	415.0	419.1	397.3	371.4	345.6	331.1	330.3
47.5°	2208.4	1945.2	1087.7	412.6	385.2	377.9	369.0	351.3	331.9	315.7	316.5
50°	2315.0	2025.1	1039.2	398.1	357.7	339.1	340.8	330.3	313.3	298.8	298.0
52.5°	2390.1	2077.6	1012.6	390.0	324.6	304.4	310.1	304.4	288.3	277.8	277.0
55°	2465.2	2118.0	1021.5	379.5	288.3	272.1	281.8	280.2	271.3	268.1	268.9
57.5°	2525.8	2148.7	1052.9	360.1	253.5	243.9	260.0	255.2	248.7	249.5	249.5
60°	2584.7	2188.3	1090.1	315.7	223.7	224.5	239.8	230.9	226.9	234.2	235.0
62.5°	2646.1	2231.1	1059.4	251.1	197.8	203.5	221.2	214.0	215.6	226.1	229.3
65°	2638.8	2227.0	863.2	205.9	175.2	186.5	213.2	210.8	211.6	215.6	217.2
67.5°	2490.3	2084.9	593.5	175.2	159.1	172.8	206.7	197.0	197.8	195.4	196.2
68°	2440.2	2034.8	523.2	170.4	155.8	169.6	203.5	194.6	195.4	193.0	192.2
70°	2167.3	1742.5	331.1	150.2	144.5	160.7	187.3	184.1	183.3	181.7	181.7
72.5°	1652.1	1286.3	174.4	130.0	131.6	147.0	167.1	173.6	169.6	170.4	175.2
75°	1094.1	773.6	121.1	111.4	115.5	126.0	148.6	161.5	157.5	159.9	157.5
77.5°	579.0	416.7	96.9	94.5	94.5	101.7	122.7	142.9	142.9	141.3	138.9
80°	189.8	147.0	77.5	74.3	75.9	79.9	98.5	117.1	119.5	116.3	114.7
82.5°	63.8	67.8	58.1	54.1	55.7	58.9	74.3	89.6	90.4	84.0	82.4
85°	39.6	45.2	36.3	35.5	35.5	36.3	45.2	49.3	45.2	40.4	42.0
87.5°	18.6	22.6	17.0	14.5	12.1	10.5	8.1	3.2	3.2	1.6	1.6
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)