

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: P1210133

Luminaire Tested: **ARCH2-30-722-U-T2RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210133
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH2-30-722-U-T2RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 260mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE II
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4559 lumens
Efficiency: N/A
Efficacy: 132.5 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type II - 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

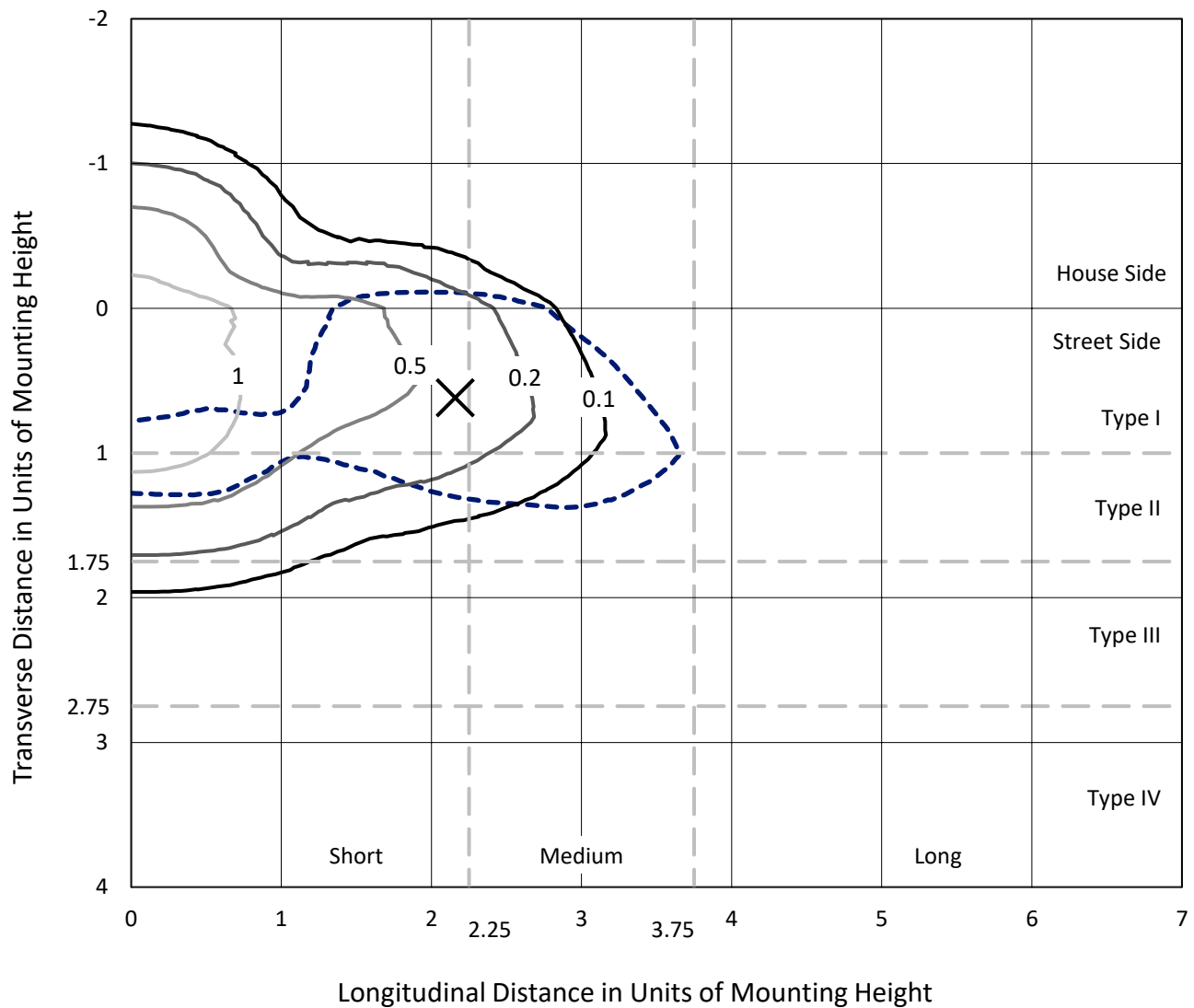


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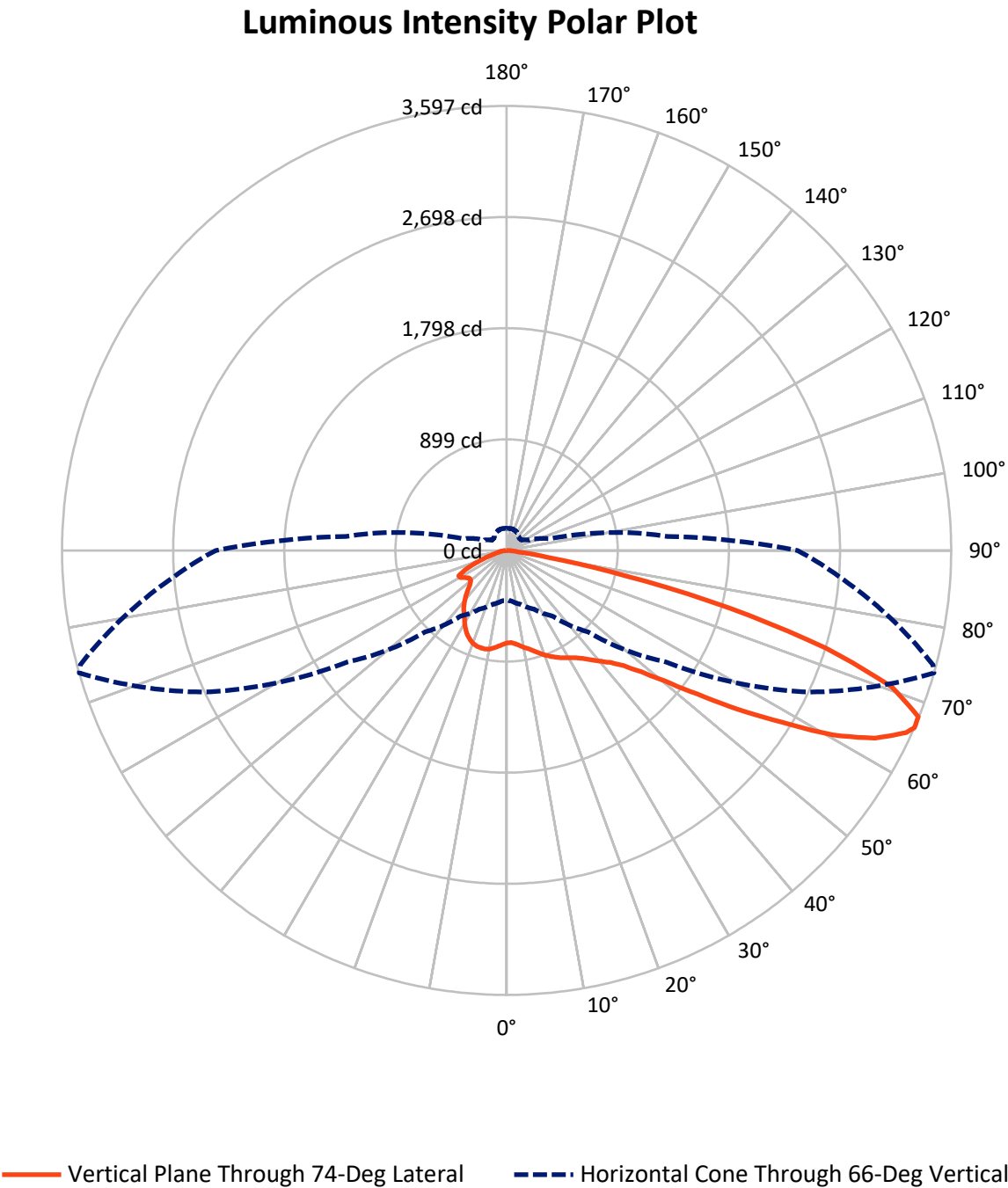
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
Type II - Short - N/A

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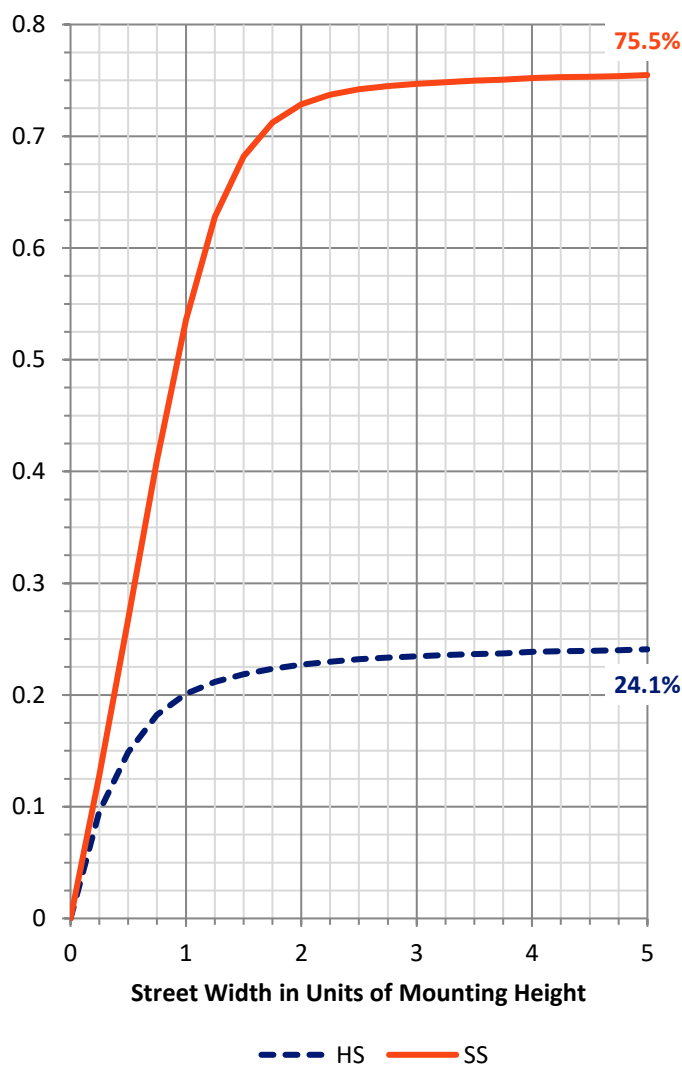
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1110.2	0.0	1110.2
	% Fixture	24.4	0.0	24.4
Street Side	Lumens	3448.8	0.0	3448.8
	% Fixture	75.6	0.0	75.6
Total	Lumens	4559.0	0.0	4559.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.3	1.6
10°-20°	219.2	4.8
20°-30°	411.4	9.0
30°-40°	632.8	13.9
40°-50°	851.2	18.7
50°-60°	1006.7	22.1
60°-70°	931.2	20.4
70°-80°	391.8	8.6
80°-90°	43.4	1.0
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°	4559.0	100.0
0°-180°	4559.0	100.0

Coefficient of Utilization



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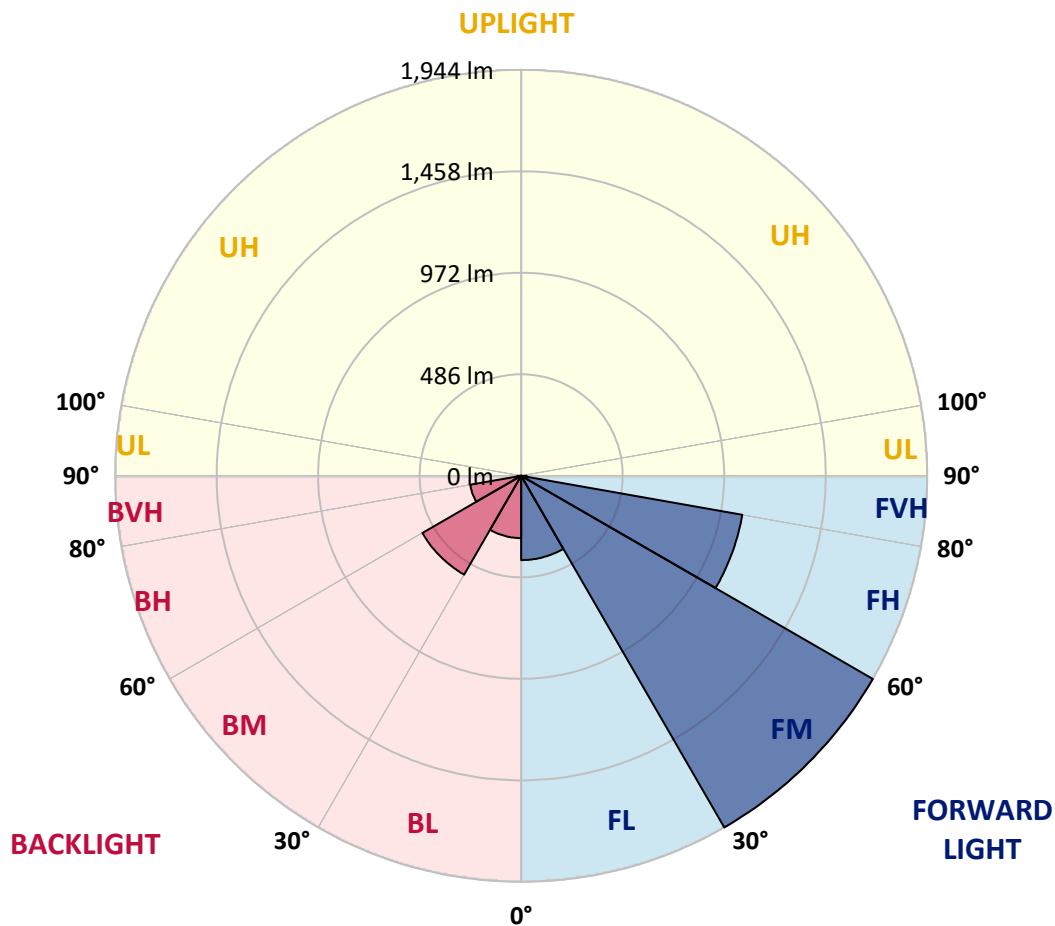
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	403.5	8.9			
FM	(30°-60°)	1944.2	42.6			
FH	(60°-80°)	1075.1	23.6			G1/1800
FVH	(80°-90°)	25.9	0.6			G1/100
BL	(0°-30°)	298.4	6.5	B1/500		
BM	(30°-60°)	546.6	12.0	B1/1000		
BH	(60°-80°)	247.8	5.4	B1/500		G1/500
BVH	(80°-90°)	17.4	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-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	747.4	747.4	747.4	747.4	747.4	747.4	747.4	747.4	747.4	747.4	747.4
2.5°	745.0	743.9	746.2	749.7	751.5	748.5	747.4	746.8	746.8	745.0	748.0
5°	709.8	709.2	714.5	721.0	733.3	742.1	753.8	760.9	758.5	755.0	757.3
7.5°	664.1	662.9	669.3	681.7	698.7	718.0	746.8	769.1	777.9	776.7	776.1
10°	681.7	680.5	679.9	676.4	682.3	701.0	730.9	770.3	800.2	800.8	801.3
12.5°	742.7	745.6	742.7	731.5	718.6	711.6	729.2	773.2	818.9	822.5	837.1
15°	826.0	823.0	817.2	804.3	784.3	763.2	750.3	786.7	845.9	848.9	881.1
17.5°	899.3	901.7	898.1	885.8	862.4	834.8	795.5	810.1	874.7	882.9	928.1
20°	979.1	988.5	983.8	968.5	949.2	908.1	858.8	844.2	906.3	912.2	976.7
22.5°	1071.2	1081.2	1072.4	1057.7	1041.9	991.4	928.1	885.8	932.7	945.1	1023.7
25°	1181.5	1190.9	1182.7	1159.8	1139.8	1078.2	1002.6	932.7	958.6	972.1	1061.8
27.5°	1268.9	1275.9	1283.6	1270.1	1239.6	1175.6	1080.0	981.4	984.4	998.5	1097.0
30°	1346.9	1364.5	1371.0	1372.7	1346.9	1275.3	1159.2	1031.9	1006.7	1021.3	1132.2
32.5°	1453.7	1480.1	1469.5	1480.1	1464.8	1369.2	1241.3	1084.1	1035.4	1048.9	1165.6
35°	1609.7	1630.8	1603.3	1595.1	1570.4	1464.2	1320.5	1138.1	1073.5	1088.2	1197.3
37.5°	1777.5	1801.6	1761.7	1728.8	1681.9	1558.1	1388.6	1209.1	1126.3	1138.1	1226.7
40°	1924.2	1944.1	1909.5	1866.1	1787.5	1640.8	1447.2	1258.9	1179.1	1193.8	1260.7
42.5°	2059.7	2072.6	2033.9	1992.2	1887.2	1715.3	1510.6	1311.7	1240.7	1254.8	1288.2
45°	2196.9	2206.9	2152.9	2093.7	1970.5	1783.4	1580.4	1385.6	1331.1	1349.8	1332.8
47.5°	2221.6	2224.5	2215.1	2175.2	2036.2	1848.5	1666.6	1484.8	1468.9	1489.5	1409.7
50°	2050.9	2077.3	2135.3	2174.7	2062.6	1903.0	1752.9	1626.7	1659.0	1685.4	1569.2
52.5°	1719.4	1744.6	1879.0	2028.0	1999.2	1915.4	1845.6	1806.8	1927.1	1958.8	1786.3
55°	1369.8	1392.1	1534.0	1748.8	1794.5	1859.0	1944.7	2036.8	2269.1	2290.2	2024.5
57.5°	1128.1	1140.4	1241.9	1448.4	1521.7	1678.9	1998.1	2310.2	2617.0	2649.2	2231.6
60°	925.1	938.6	1014.3	1184.4	1281.8	1421.4	1955.8	2580.0	3032.3	3032.3	2497.3
62.5°	696.3	708.1	778.5	911.6	1075.3	1203.2	1820.9	2758.9	3345.6	3331.5	2689.7
65°	478.1	487.5	538.5	627.1	774.4	1025.4	1636.7	2761.3	3553.2	3534.5	2771.8
66°	401.3	409.5	452.9	524.5	648.2	930.4	1571.6	2711.4	3596.7	3570.3	2737.2
67.5°	316.8	322.6	351.4	393.6	475.2	753.2	1468.9	2570.0	3592.5	3576.7	2649.2
70°	226.4	230.5	251.7	260.5	281.0	435.9	1166.8	2250.9	3304.5	3309.2	2303.1
72.5°	175.4	181.9	194.8	196.5	191.8	231.7	708.1	1877.8	2703.2	2701.4	1709.5
75°	141.4	144.9	151.4	154.9	153.7	149.6	299.8	1400.9	1860.8	1882.5	957.4
77.5°	111.5	110.9	116.7	121.4	125.0	117.3	137.3	821.3	975.6	948.0	359.6
80°	82.1	82.1	90.3	92.1	97.4	98.6	91.5	316.8	335.0	304.5	93.3
82.5°	54.0	54.0	62.8	63.9	69.2	76.8	66.3	95.0	92.7	88.0	42.2
85°	29.3	28.2	31.1	35.2	38.1	45.2	39.9	47.5	48.7	48.1	28.2
87.5°	5.9	5.3	8.2	9.4	10.6	14.1	12.9	19.4	27.0	26.4	12.3
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°	747.4	747.4	747.4	747.4	747.4	747.4	747.4	747.4	747.4	747.4	747.4
2.5°	752.1	751.5	757.9	765.6	774.4	779.6	782.0	786.1	783.2	784.3	787.8
5°	763.2	765.0	774.4	784.3	788.4	785.5	779.0	776.7	771.4	770.3	769.1
7.5°	779.6	782.6	792.0	794.3	782.0	761.5	746.8	738.6	729.8	727.4	726.3
10°	806.6	808.4	810.7	786.7	756.2	728.6	710.4	702.8	696.9	692.2	693.4
12.5°	840.6	839.5	821.3	771.4	728.0	699.9	687.5	682.8	678.7	675.8	675.2
15°	883.5	875.3	823.0	750.3	701.6	678.1	669.3	667.6	662.9	662.9	662.3
17.5°	926.9	905.8	821.9	728.0	676.4	663.5	658.2	657.0	655.9	655.3	657.0
20°	970.3	932.7	812.5	700.4	658.8	651.2	650.0	650.6	649.4	651.2	650.0
22.5°	1008.4	950.3	794.9	671.1	646.5	645.9	643.0	644.1	648.2	648.8	650.6
25°	1037.8	956.8	769.1	644.1	637.7	636.5	640.0	644.7	648.2	648.8	651.8
27.5°	1061.8	953.3	736.8	623.0	622.4	628.9	639.4	641.2	641.8	641.8	639.4
30°	1080.0	945.7	695.7	599.5	602.5	618.3	628.3	628.3	623.6	622.4	625.9
32.5°	1084.1	935.7	651.2	575.5	580.2	599.0	611.3	607.2	601.9	601.9	604.2
35°	1087.6	922.2	615.4	542.6	549.7	572.0	583.7	575.5	569.6	567.9	567.3
37.5°	1086.4	916.9	583.1	501.0	510.4	532.1	539.7	532.1	523.3	519.2	524.5
40°	1087.6	913.4	542.6	455.2	464.6	477.5	487.5	481.6	473.4	462.9	468.1
42.5°	1094.7	918.1	498.1	410.6	410.6	417.7	434.7	430.6	410.6	406.5	411.2
45°	1132.2	943.3	453.5	366.1	359.6	364.3	381.9	364.3	352.0	352.0	356.1
47.5°	1223.1	990.2	414.2	326.8	311.5	320.9	325.6	309.2	299.8	297.4	301.5
50°	1408.5	1084.1	390.7	294.5	275.7	282.8	279.8	279.2	269.9	271.0	273.4
52.5°	1690.1	1267.1	383.7	278.7	255.2	256.9	254.0	255.2	253.4	259.3	261.1
55°	1996.9	1460.1	392.5	281.0	241.1	228.8	230.0	235.8	242.9	252.3	254.0
57.5°	2226.3	1556.9	415.3	296.8	223.5	204.7	207.7	218.8	232.3	239.9	244.0
60°	2397.0	1545.2	448.8	300.9	202.4	183.0	188.3	204.7	216.5	222.9	227.0
62.5°	2452.7	1471.9	457.0	271.0	174.8	162.5	175.4	192.4	197.7	204.7	207.7
65°	2407.0	1368.0	397.2	220.0	153.7	147.2	166.0	178.9	186.0	189.5	190.1
66°	2353.0	1305.8	364.9	200.0	146.1	142.6	162.5	173.1	180.1	179.5	180.1
67.5°	2234.5	1175.6	312.7	171.9	134.9	135.5	156.6	163.7	166.0	164.3	164.3
70°	1831.5	827.7	224.1	130.2	118.5	126.7	140.8	142.6	147.8	145.5	145.5
72.5°	1129.3	406.5	150.2	99.7	105.6	118.5	117.9	123.8	136.1	139.6	142.0
75°	555.0	164.8	99.1	84.5	94.4	99.1	98.0	112.6	130.2	145.5	150.8
77.5°	210.6	82.1	69.2	73.9	76.3	74.5	78.0	102.1	130.2	157.8	163.1
80°	65.1	56.9	54.6	61.0	57.5	54.6	58.7	84.5	110.3	119.7	119.7
82.5°	39.3	44.6	42.2	41.7	38.7	39.3	42.2	60.4	85.1	89.2	89.2
85°	27.6	29.3	24.1	22.9	22.3	21.7	21.7	35.2	50.5	49.9	51.6
87.5°	10.6	11.7	8.8	8.8	8.2	5.9	4.7	5.9	5.9	4.1	2.9
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)