

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: P1210749

Luminaire Tested: **ARCH3-60-730-U-T2RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210749
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: ARCH3-60-730-U-T2RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 3000K, 505mA LIGHTSQUARE WITH 40 LEDS AND TYPE II ROADWAY
ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10107 lumens
Efficiency: N/A
Efficacy: 159.9 lumens/watt
Luminous Opening: Rectangular (W 0.58' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 63.2
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

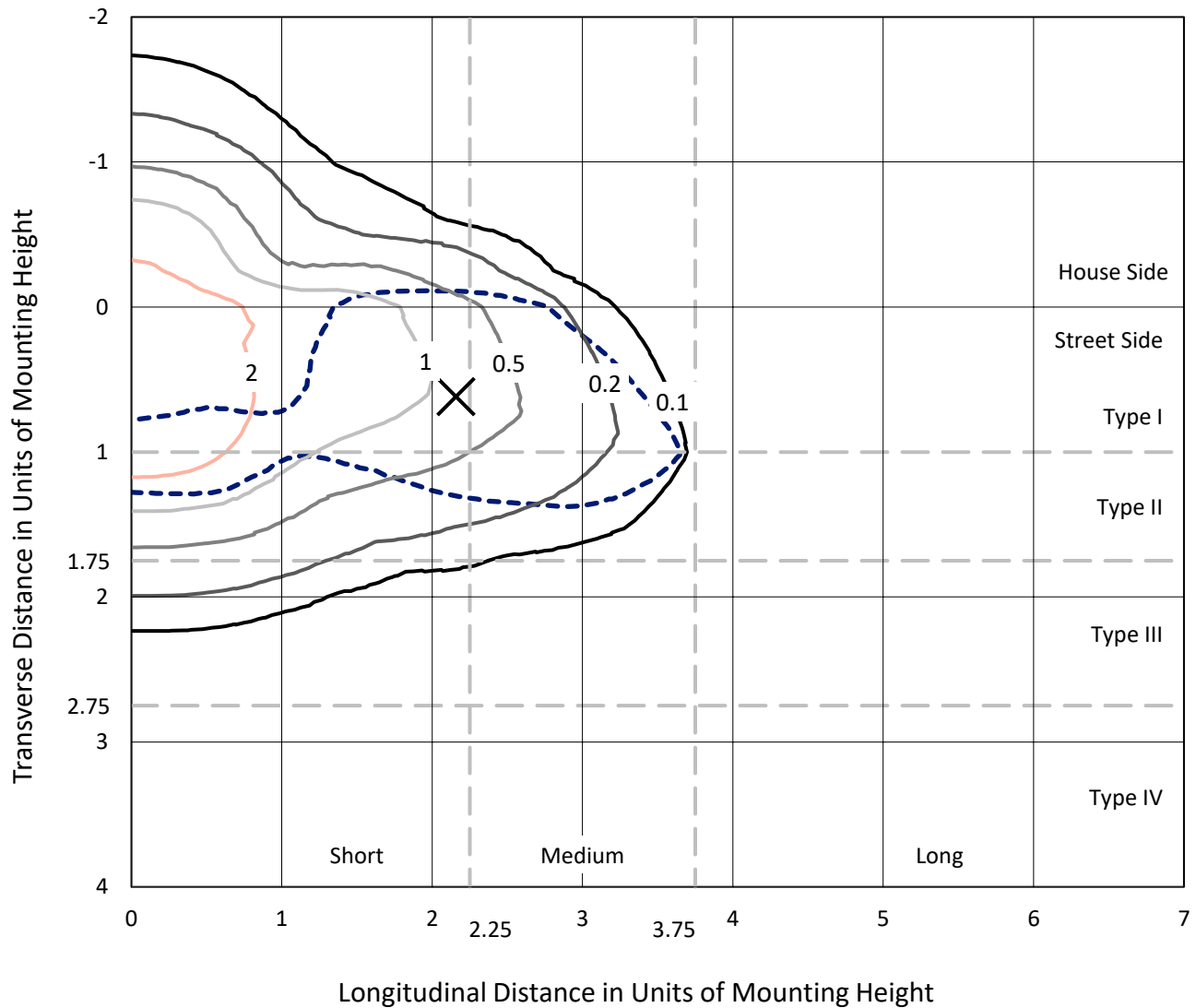


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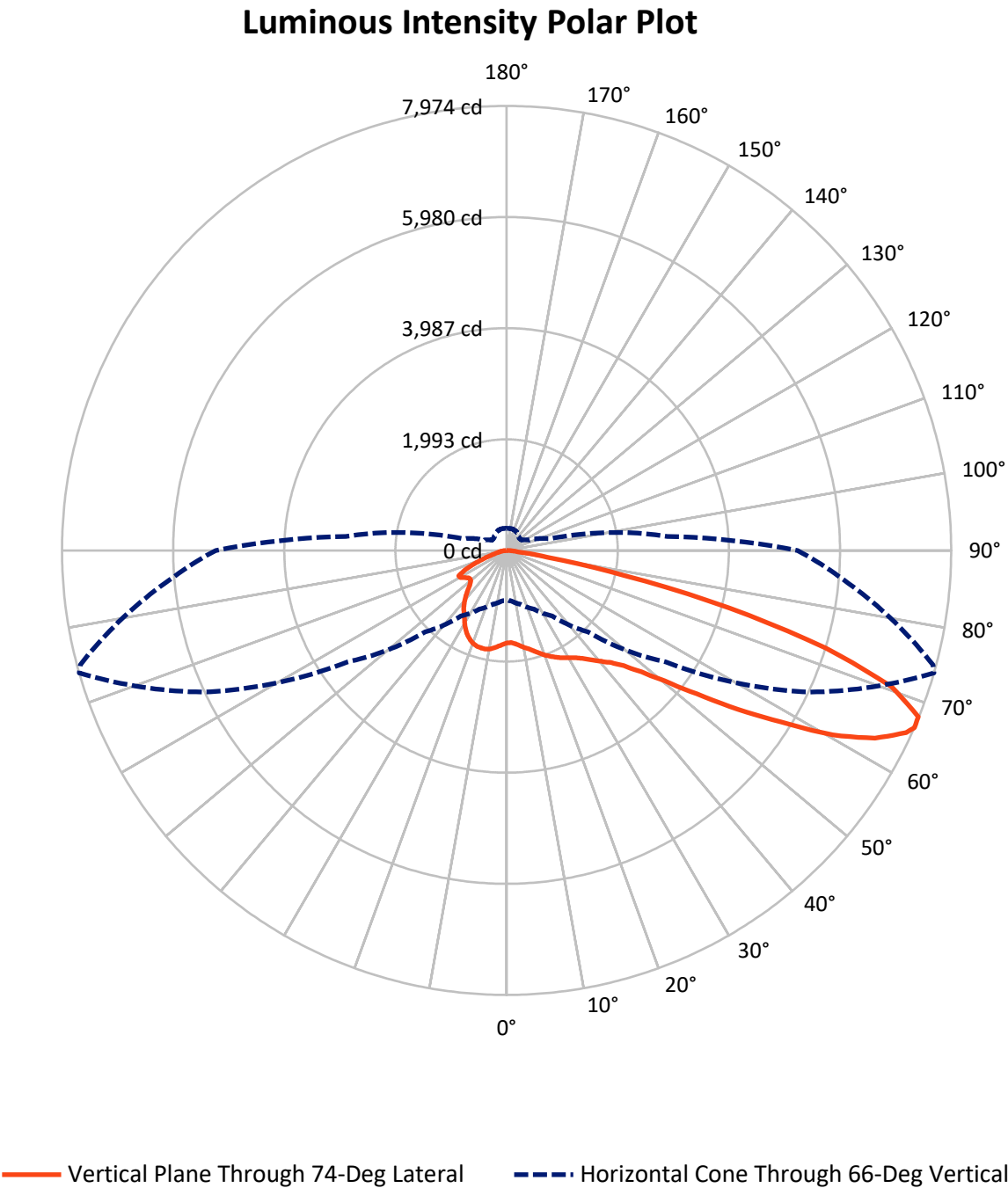
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 fc
Type II - Short - N/A

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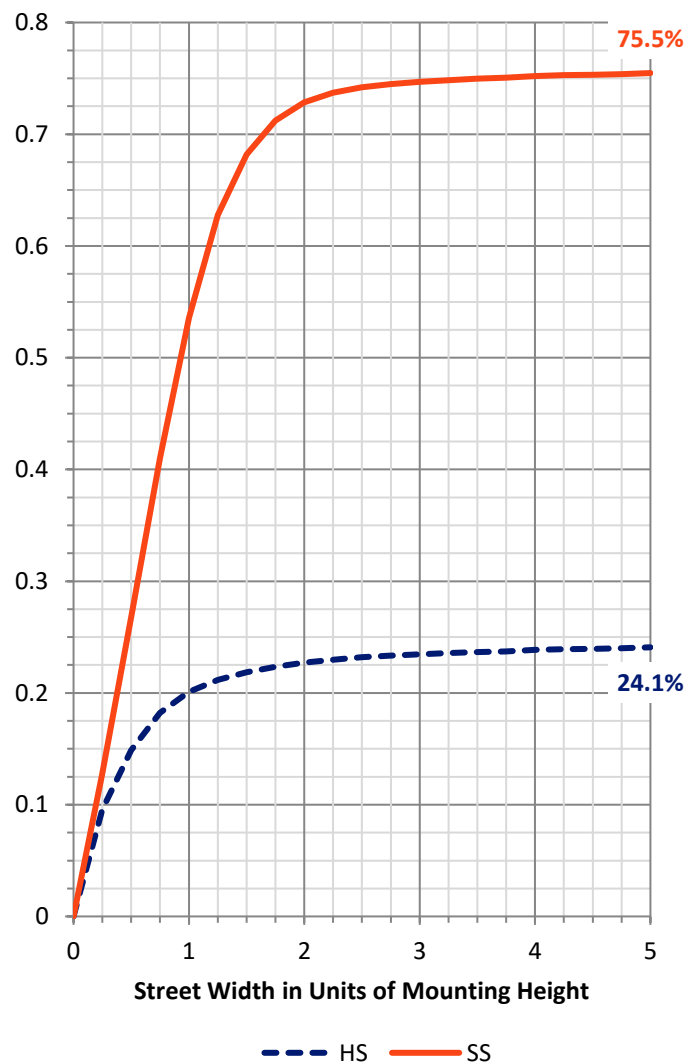
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2461.3	0.0	2461.3
	% Fixture	24.4	0.0	24.4
Street Side	Lumens	7645.7	0.0	7645.7
	% Fixture	75.6	0.0	75.6
Total	Lumens	10107.0	0.0	10107.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.0	1.6
10°-20°	486.0	4.8
20°-30°	912.1	9.0
30°-40°	1403.0	13.9
40°-50°	1887.1	18.7
50°-60°	2231.7	22.1
60°-70°	2064.5	20.4
70°-80°	868.5	8.6
80°-90°	96.1	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°	10107.0	100.0
0°-180°	10107.0	100.0

Coefficient of Utilization



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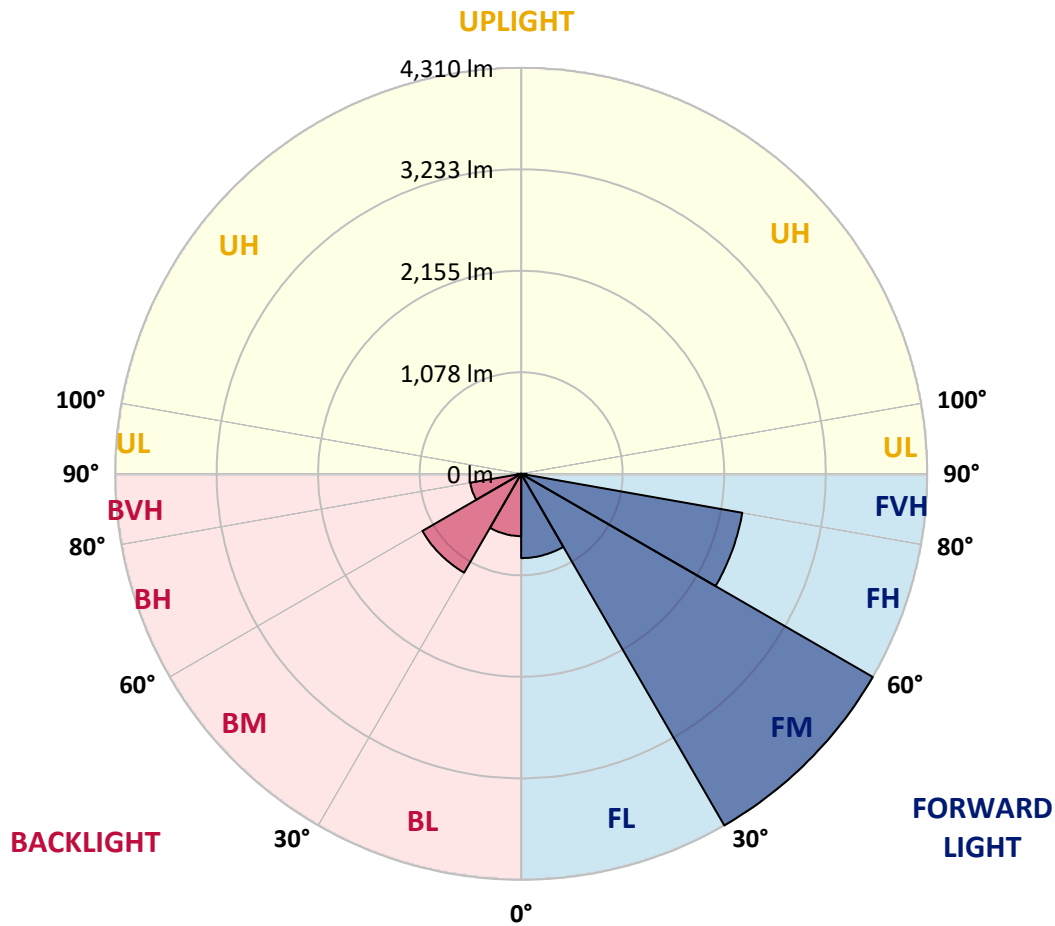
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	894.6	8.9			
FM	(30°-60°)	4310.1	42.6			
FH	(60°-80°)	2383.5	23.6			G2/5000
FVH	(80°-90°)	57.5	0.6			G1/100
BL	(0°-30°)	661.6	6.5	B2/1000		
BM	(30°-60°)	1211.7	12.0	B2/2500		
BH	(60°-80°)	549.5	5.4	B2/1000		G2/1000
BVH	(80°-90°)	38.6	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1656.9	1656.9	1656.9	1656.9	1656.9	1656.9	1656.9	1656.9	1656.9	1656.9	1656.9
2.5°	1651.7	1649.1	1654.3	1662.1	1666.0	1659.5	1656.9	1655.6	1655.6	1651.7	1658.2
5°	1573.6	1572.3	1584.0	1598.3	1625.7	1645.2	1671.2	1686.8	1681.6	1673.8	1679.0
7.5°	1472.2	1469.6	1483.9	1511.2	1548.9	1591.8	1655.6	1705.0	1724.5	1721.9	1720.6
10°	1511.2	1508.6	1507.3	1499.5	1512.5	1554.1	1620.5	1707.6	1773.9	1775.2	1776.5
12.5°	1646.5	1653.0	1646.5	1621.8	1593.1	1577.5	1616.6	1714.1	1815.5	1823.3	1855.9
15°	1831.1	1824.6	1811.6	1783.0	1738.8	1692.0	1663.4	1744.0	1875.4	1881.9	1953.4
17.5°	1993.7	1998.9	1991.1	1963.8	1911.8	1850.7	1763.5	1796.0	1939.1	1957.3	2057.4
20°	2170.6	2191.4	2181.0	2147.2	2104.3	2013.2	1904.0	1871.5	2009.3	2022.3	2165.4
22.5°	2374.8	2396.9	2377.4	2344.9	2309.7	2197.9	2057.4	1963.8	2067.8	2095.2	2269.4
25°	2619.3	2640.1	2621.9	2571.1	2526.9	2390.4	2222.6	2067.8	2125.1	2155.0	2354.0
27.5°	2813.0	2828.6	2845.6	2815.6	2748.0	2606.3	2394.3	2175.8	2182.3	2213.5	2432.0
30°	2986.0	3025.0	3039.3	3043.2	2986.0	2827.3	2569.8	2287.6	2231.7	2264.2	2510.0
32.5°	3222.7	3281.2	3257.8	3281.2	3247.4	3035.4	2751.9	2403.4	2295.4	2325.3	2584.2
35°	3568.7	3615.5	3554.3	3536.1	3481.5	3246.1	2927.5	2523.0	2380.0	2412.5	2654.4
37.5°	3940.6	3993.9	3905.5	3832.7	3728.6	3454.2	3078.4	2680.4	2497.0	2523.0	2719.4
40°	4265.7	4310.0	4233.2	4137.0	3962.7	3637.6	3208.4	2790.9	2614.1	2646.6	2794.8
42.5°	4566.2	4594.8	4508.9	4416.6	4183.8	3802.7	3348.9	2908.0	2750.6	2781.8	2856.0
45°	4870.5	4892.6	4772.9	4641.6	4368.5	3953.6	3503.6	3071.8	2950.9	2992.5	2954.8
47.5°	4925.1	4931.6	4910.8	4822.4	4514.1	4098.0	3694.8	3291.6	3256.5	3302.0	3125.2
50°	4546.6	4605.2	4733.9	4821.1	4572.7	4218.9	3886.0	3606.4	3677.9	3736.4	3478.9
52.5°	3811.8	3867.8	4165.6	4495.9	4432.2	4246.2	4091.5	4005.6	4272.2	4342.5	3960.1
55°	3036.7	3086.2	3400.9	3876.9	3978.3	4121.4	4311.3	4515.4	5030.4	5077.3	4488.1
57.5°	2500.9	2528.2	2753.2	3211.0	3373.6	3722.1	4429.6	5121.5	5801.7	5873.2	4947.2
60°	2050.9	2080.8	2248.6	2625.8	2841.7	3151.2	4336.0	5719.7	6722.4	6722.4	5536.3
62.5°	1543.7	1569.7	1725.8	2021.0	2383.9	2667.4	4036.8	6116.4	7416.9	7385.7	5962.9
65°	1059.9	1080.7	1193.9	1390.3	1716.7	2273.3	3628.5	6121.6	7877.3	7835.7	6145.0
66°	889.6	907.8	1004.0	1162.7	1437.1	2062.6	3484.1	6011.0	7973.5	7915.0	6068.3
67.5°	702.3	715.3	779.0	872.7	1053.4	1669.9	3256.5	5697.6	7964.4	7929.3	5873.2
70°	502.0	511.1	557.9	577.4	623.0	966.3	2586.8	4990.1	7325.9	7336.3	5105.9
72.5°	388.9	403.2	431.8	435.7	425.3	513.7	1569.7	4163.0	5992.8	5988.9	3789.7
75°	313.4	321.2	335.5	343.3	340.7	331.6	664.6	3105.7	4125.3	4173.4	2122.5
77.5°	247.1	245.8	258.8	269.2	277.0	260.1	304.3	1820.7	2162.8	2101.7	797.2
80°	182.1	182.1	200.3	204.2	215.9	218.5	202.9	702.3	742.6	675.0	206.8
82.5°	119.6	119.6	139.2	141.8	153.5	170.4	147.0	210.7	205.5	195.1	93.6
85°	65.0	62.4	68.9	78.0	84.5	100.1	88.4	105.3	107.9	106.6	62.4
87.5°	13.0	11.7	18.2	20.8	23.4	31.2	28.6	42.9	59.8	58.5	27.3
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°	1656.9	1656.9	1656.9	1656.9	1656.9	1656.9	1656.9	1656.9	1656.9	1656.9	1656.9
2.5°	1667.3	1666.0	1680.3	1697.2	1716.7	1728.4	1733.6	1742.7	1736.2	1738.8	1746.6
5°	1692.0	1695.9	1716.7	1738.8	1747.9	1741.4	1727.1	1721.9	1710.2	1707.6	1705.0
7.5°	1728.4	1734.9	1755.7	1760.9	1733.6	1688.1	1655.6	1637.4	1617.9	1612.7	1610.1
10°	1788.2	1792.1	1797.3	1744.0	1676.4	1615.3	1574.9	1558.0	1545.0	1534.6	1537.2
12.5°	1863.7	1861.1	1820.7	1710.2	1614.0	1551.5	1524.2	1513.8	1504.7	1498.2	1496.9
15°	1958.6	1940.4	1824.6	1663.4	1555.4	1503.4	1483.9	1480.0	1469.6	1469.6	1468.3
17.5°	2054.8	2008.0	1822.0	1614.0	1499.5	1470.9	1459.2	1456.6	1454.0	1452.7	1456.6
20°	2151.1	2067.8	1801.2	1552.8	1460.5	1443.6	1441.0	1442.3	1439.7	1443.6	1441.0
22.5°	2235.6	2106.9	1762.2	1487.8	1433.2	1431.9	1425.4	1428.0	1437.1	1438.4	1442.3
25°	2300.6	2121.2	1705.0	1428.0	1413.7	1411.1	1418.9	1429.3	1437.1	1438.4	1444.9
27.5°	2354.0	2113.4	1633.5	1381.2	1379.9	1394.2	1417.6	1421.5	1422.8	1422.8	1417.6
30°	2394.3	2096.5	1542.4	1329.1	1335.6	1370.8	1392.9	1392.9	1382.5	1379.9	1387.7
32.5°	2403.4	2074.3	1443.6	1275.8	1286.2	1327.8	1355.2	1346.0	1334.3	1334.3	1339.5
35°	2411.2	2044.4	1364.3	1203.0	1218.6	1268.0	1294.0	1275.8	1262.8	1258.9	1257.6
37.5°	2408.6	2032.7	1292.7	1110.7	1131.5	1179.6	1196.5	1179.6	1160.1	1151.0	1162.7
40°	2411.2	2024.9	1203.0	1009.2	1030.0	1058.6	1080.7	1067.7	1049.5	1026.1	1037.8
42.5°	2426.8	2035.3	1104.1	910.4	910.4	926.0	963.7	954.6	910.4	901.3	911.7
45°	2510.0	2091.2	1005.3	811.5	797.2	807.6	846.6	807.6	780.3	780.3	789.4
47.5°	2711.6	2195.3	918.2	724.4	690.6	711.4	721.8	685.4	664.6	659.4	668.5
50°	3122.6	2403.4	866.2	652.9	611.2	626.9	620.4	619.1	598.2	600.8	606.0
52.5°	3746.8	2809.1	850.5	617.8	565.7	569.6	563.1	565.7	561.8	574.8	578.7
55°	4427.0	3237.0	870.1	623.0	534.5	507.2	509.8	522.8	538.4	559.2	563.1
57.5°	4935.5	3451.6	920.8	658.1	495.5	453.9	460.4	485.1	515.0	531.9	541.0
60°	5314.0	3425.6	994.9	667.2	448.7	405.8	417.5	453.9	479.9	494.2	503.3
62.5°	5437.5	3263.0	1013.1	600.8	387.6	360.2	388.9	426.6	438.3	453.9	460.4
65°	5336.1	3032.8	880.5	487.7	340.7	326.4	368.0	396.7	412.3	420.1	421.4
66°	5216.4	2895.0	808.9	443.5	323.8	316.0	360.2	383.7	399.3	398.0	399.3
67.5°	4953.7	2606.3	693.2	381.1	299.1	300.4	347.2	362.8	368.0	364.1	364.1
70°	4060.3	1835.0	496.8	288.7	262.7	280.9	312.1	316.0	327.7	322.5	322.5
72.5°	2503.5	901.3	332.9	221.1	234.1	262.7	261.4	274.4	301.7	309.5	314.7
75°	1230.3	365.4	219.8	187.3	209.4	219.8	217.2	249.7	288.7	322.5	334.2
77.5°	466.9	182.1	153.5	163.9	169.1	165.2	173.0	226.3	288.7	349.8	361.5
80°	144.4	126.2	120.9	135.3	127.5	120.9	130.1	187.3	244.5	265.3	265.3
82.5°	87.1	98.8	93.6	92.3	85.8	87.1	93.6	134.0	188.6	197.7	197.7
85°	61.1	65.0	53.3	50.7	49.4	48.1	48.1	78.0	111.8	110.5	114.4
87.5°	23.4	26.0	19.5	19.5	18.2	13.0	10.4	13.0	13.0	9.1	6.5
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)