

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: P1210245

Luminaire Tested: **ARCH2-60-740-U-T2RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210245
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: ARCH2-60-740-U-T2RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 4000K, 485mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE II
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9529 lumens
Efficiency: N/A
Efficacy: 149.4 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 63.8
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

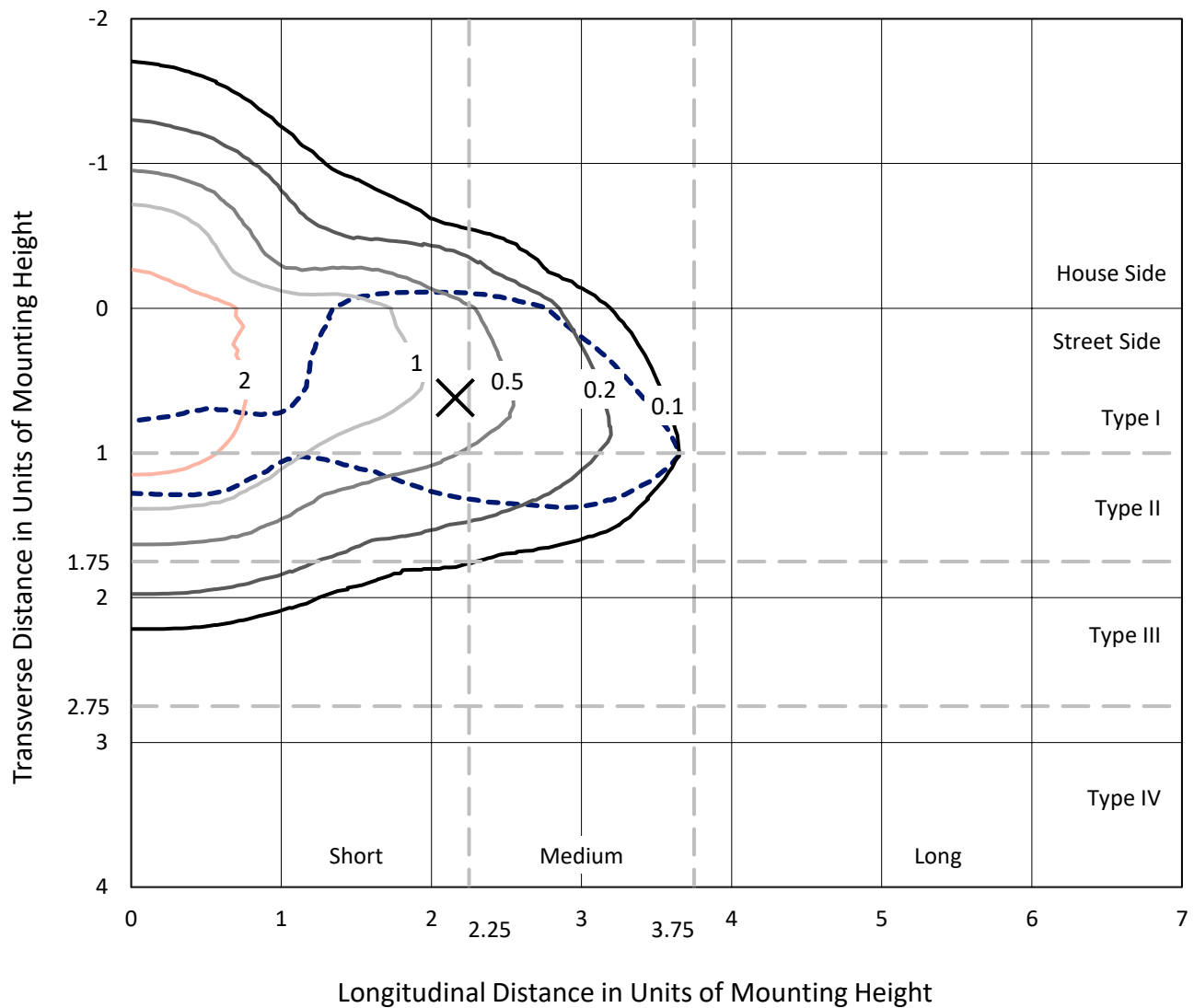


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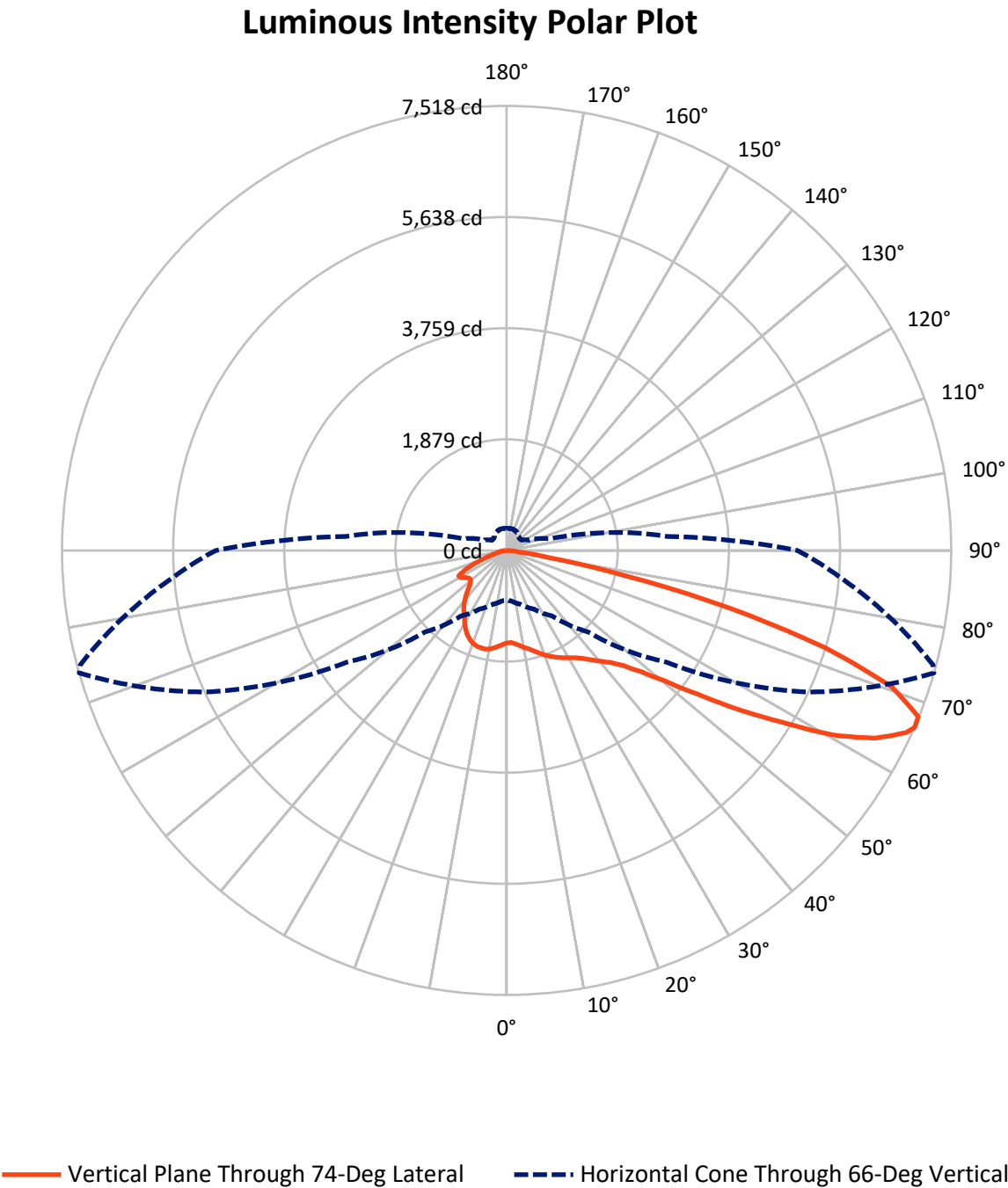
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc
Type II - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2320.6	0.0	2320.6
	% Fixture	24.4	0.0	24.4
Street Side	Lumens	7208.4	0.0	7208.4
	% Fixture	75.6	0.0	75.6
Total	Lumens	9529.0	0.0	9529.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.0	1.6
10°-20°	458.2	4.8
20°-30°	859.9	9.0
30°-40°	1322.7	13.9
40°-50°	1779.2	18.7
50°-60°	2104.1	22.1
60°-70°	1946.4	20.4
70°-80°	818.8	8.6
80°-90°	90.6	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°	9529.0	100.0
0°-180°	9529.0	100.0

Coefficient of Utilization



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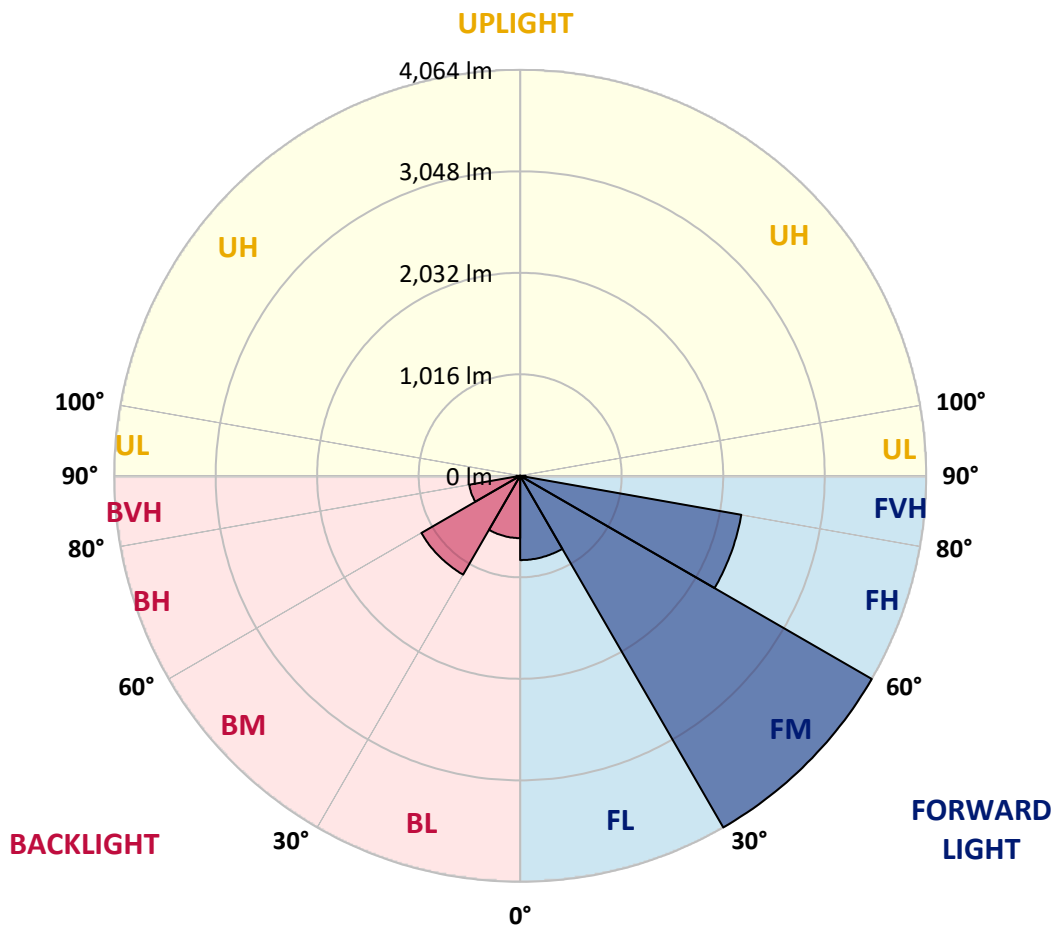
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	843.4	8.9			
FM	(30°-60°)	4063.6	42.6			
FH	(60°-80°)	2247.2	23.6			G2/5000
FVH	(80°-90°)	54.2	0.6			G1/100
BL	(0°-30°)	623.7	6.5	B2/1000		
BM	(30°-60°)	1142.4	12.0	B2/2500		
BH	(60°-80°)	518.0	5.4	B2/1000		G2/1000
BVH	(80°-90°)	36.4	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	1562.1	1562.1	1562.1	1562.1	1562.1	1562.1	1562.1	1562.1	1562.1	1562.1	1562.1
2.5°	1557.2	1554.8	1559.7	1567.0	1570.7	1564.6	1562.1	1560.9	1560.9	1557.2	1563.3
5°	1483.6	1482.4	1493.5	1506.9	1532.7	1551.1	1575.6	1590.3	1585.4	1578.1	1583.0
7.5°	1388.0	1385.6	1399.0	1424.8	1460.3	1500.8	1560.9	1607.5	1625.9	1623.4	1622.2
10°	1424.8	1422.3	1421.1	1413.8	1426.0	1465.3	1527.8	1609.9	1672.5	1673.7	1674.9
12.5°	1552.3	1558.4	1552.3	1529.0	1502.0	1487.3	1524.1	1616.1	1711.7	1719.1	1749.7
15°	1726.4	1720.3	1708.0	1681.1	1639.4	1595.2	1568.3	1644.3	1768.1	1774.2	1841.7
17.5°	1879.7	1884.6	1877.2	1851.5	1802.4	1744.8	1662.7	1693.3	1828.2	1845.4	1939.8
20°	2046.5	2066.1	2056.3	2024.4	1983.9	1898.1	1795.1	1764.4	1894.4	1906.7	2041.5
22.5°	2239.0	2259.8	2241.4	2210.8	2177.6	2072.2	1939.8	1851.5	1949.6	1975.3	2139.6
25°	2469.5	2489.1	2471.9	2424.1	2382.4	2253.7	2095.5	1949.6	2003.5	2031.7	2219.3
27.5°	2652.2	2666.9	2682.8	2654.6	2590.9	2457.2	2257.3	2051.4	2057.5	2086.9	2292.9
30°	2815.2	2852.0	2865.5	2869.2	2815.2	2665.7	2422.9	2156.8	2104.1	2134.7	2366.5
32.5°	3038.4	3093.6	3071.5	3093.6	3061.7	2861.8	2594.5	2265.9	2164.2	2192.4	2436.4
35°	3364.6	3408.7	3351.1	3333.9	3282.4	3060.5	2760.1	2378.7	2243.9	2274.5	2502.6
37.5°	3715.2	3765.5	3682.1	3613.5	3515.4	3256.7	2902.3	2527.1	2354.2	2378.7	2563.9
40°	4021.8	4063.5	3991.1	3900.4	3736.1	3429.6	3024.9	2631.3	2464.6	2495.2	2635.0
42.5°	4305.0	4332.0	4251.1	4164.0	3944.5	3585.3	3157.3	2741.7	2593.3	2622.7	2692.6
45°	4591.9	4612.8	4500.0	4376.1	4118.7	3727.5	3303.3	2896.2	2782.1	2821.4	2785.8
47.5°	4643.4	4649.6	4630.0	4546.6	4256.0	3863.6	3483.5	3103.4	3070.3	3113.2	2946.4
50°	4286.6	4341.8	4463.2	4545.4	4311.2	3977.6	3663.7	3400.1	3467.6	3522.7	3280.0
52.5°	3593.9	3646.6	3927.4	4238.8	4178.7	4003.4	3857.5	3776.6	4027.9	4094.1	3733.6
55°	2863.1	2909.7	3206.4	3655.2	3750.8	3885.7	4064.7	4257.2	4742.8	4786.9	4231.5
57.5°	2357.9	2383.6	2595.8	3027.4	3180.6	3509.3	4176.3	4828.6	5469.9	5537.3	4664.3
60°	1933.6	1961.8	2120.0	2475.6	2679.1	2971.0	4088.0	5392.6	6338.0	6338.0	5219.7
62.5°	1455.4	1480.0	1627.1	1905.4	2247.5	2514.8	3806.0	5766.6	6992.8	6963.3	5621.9
65°	999.3	1018.9	1125.6	1310.8	1618.5	2143.3	3421.0	5771.5	7426.8	7387.6	5793.6
66°	838.7	855.9	946.6	1096.2	1354.9	1944.7	3284.9	5667.3	7517.5	7462.4	5721.2
67.5°	662.1	674.4	734.5	822.7	993.2	1574.4	3070.3	5371.8	7509.0	7475.9	5537.3
70°	473.3	481.9	526.0	544.4	587.3	911.0	2438.8	4704.8	6906.9	6916.7	4813.9
72.5°	366.6	380.1	407.1	410.8	401.0	484.3	1480.0	3924.9	5650.1	5646.4	3573.0
75°	295.5	302.9	316.3	323.7	321.3	312.7	626.6	2928.1	3889.4	3934.7	2001.1
77.5°	233.0	231.7	244.0	253.8	261.2	245.2	286.9	1716.6	2039.1	1981.5	751.6
80°	171.7	171.7	188.8	192.5	203.5	206.0	191.3	662.1	700.1	636.4	195.0
82.5°	112.8	112.8	131.2	133.7	144.7	160.6	138.6	198.6	193.7	183.9	88.3
85°	61.3	58.9	65.0	73.6	79.7	94.4	83.4	99.3	101.8	100.5	58.9
87.5°	12.3	11.0	17.2	19.6	22.1	29.4	27.0	40.5	56.4	55.2	25.7
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°	1562.1	1562.1	1562.1	1562.1	1562.1	1562.1	1562.1	1562.1	1562.1	1562.1	1562.1
2.5°	1571.9	1570.7	1584.2	1600.1	1618.5	1629.6	1634.5	1643.0	1636.9	1639.4	1646.7
5°	1595.2	1598.9	1618.5	1639.4	1648.0	1641.8	1628.3	1623.4	1612.4	1609.9	1607.5
7.5°	1629.6	1635.7	1655.3	1660.2	1634.5	1591.5	1560.9	1543.7	1525.3	1520.4	1518.0
10°	1686.0	1689.6	1694.5	1644.3	1580.5	1522.9	1484.9	1468.9	1456.7	1446.9	1449.3
12.5°	1757.1	1754.6	1716.6	1612.4	1521.7	1462.8	1437.1	1427.2	1418.7	1412.5	1411.3
15°	1846.6	1829.4	1720.3	1568.3	1466.5	1417.4	1399.0	1395.4	1385.6	1385.6	1384.3
17.5°	1937.3	1893.2	1717.8	1521.7	1413.8	1386.8	1375.7	1373.3	1370.8	1369.6	1373.3
20°	2028.1	1949.6	1698.2	1464.0	1377.0	1361.0	1358.6	1359.8	1357.4	1361.0	1358.6
22.5°	2107.8	1986.4	1661.4	1402.7	1351.2	1350.0	1343.9	1346.3	1354.9	1356.1	1359.8
25°	2169.1	1999.9	1607.5	1346.3	1332.8	1330.4	1337.7	1347.5	1354.9	1356.1	1362.3
27.5°	2219.3	1992.5	1540.0	1302.2	1300.9	1314.4	1336.5	1340.2	1341.4	1341.4	1336.5
30°	2257.3	1976.6	1454.2	1253.1	1259.3	1292.4	1313.2	1313.2	1303.4	1300.9	1308.3
32.5°	2265.9	1955.7	1361.0	1202.9	1212.7	1251.9	1277.7	1269.1	1258.0	1258.0	1262.9
35°	2273.3	1927.5	1286.2	1134.2	1148.9	1195.5	1220.0	1202.9	1190.6	1186.9	1185.7
37.5°	2270.8	1916.5	1218.8	1047.1	1066.8	1112.1	1128.1	1112.1	1093.7	1085.1	1096.2
40°	2273.3	1909.1	1134.2	951.5	971.1	998.1	1018.9	1006.7	989.5	967.4	978.5
42.5°	2288.0	1918.9	1041.0	858.3	858.3	873.0	908.6	900.0	858.3	849.7	859.5
45°	2366.5	1971.7	947.8	765.1	751.6	761.4	798.2	761.4	735.7	735.7	744.3
47.5°	2556.5	2069.7	865.7	683.0	651.1	670.7	680.5	646.2	626.6	621.7	630.2
50°	2944.0	2265.9	816.6	615.5	576.3	591.0	584.9	583.6	564.0	566.5	571.4
52.5°	3532.5	2648.5	801.9	582.4	533.4	537.1	530.9	533.4	529.7	542.0	545.6
55°	4173.8	3051.9	820.3	587.3	503.9	478.2	480.7	492.9	507.6	527.2	530.9
57.5°	4653.3	3254.2	868.1	620.4	467.2	427.9	434.1	457.4	485.6	501.5	510.1
60°	5010.1	3229.7	938.0	629.0	423.0	382.6	393.6	427.9	452.5	465.9	474.5
62.5°	5126.5	3076.4	955.2	566.5	365.4	339.6	366.6	402.2	413.2	427.9	434.1
65°	5030.9	2859.4	830.1	459.8	321.3	307.8	347.0	374.0	388.7	396.0	397.3
66°	4918.1	2729.4	762.7	418.1	305.3	298.0	339.6	361.7	376.4	375.2	376.4
67.5°	4670.4	2457.2	653.5	359.3	282.0	283.2	327.4	342.1	347.0	343.3	343.3
70°	3828.1	1730.1	468.4	272.2	247.7	264.8	294.3	298.0	309.0	304.1	304.1
72.5°	2360.3	849.7	313.9	208.4	220.7	247.7	246.5	258.7	284.5	291.8	296.7
75°	1159.9	344.5	207.2	176.6	197.4	207.2	204.8	235.4	272.2	304.1	315.1
77.5°	440.2	171.7	144.7	154.5	159.4	155.7	163.1	213.4	272.2	329.8	340.9
80°	136.1	118.9	114.0	127.5	120.2	114.0	122.6	176.6	230.5	250.1	250.1
82.5°	82.2	93.2	88.3	87.1	80.9	82.2	88.3	126.3	177.8	186.4	186.4
85°	57.6	61.3	50.3	47.8	46.6	45.4	45.4	73.6	105.4	104.2	107.9
87.5°	22.1	24.5	18.4	18.4	17.2	12.3	9.8	12.3	12.3	8.6	6.1
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)