

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: P1210247

Luminaire Tested: **ARCH2-60-740-U-T3RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210247
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: ARCH2-60-740-U-T3RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 4000K, 485mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9447 lumens
Efficiency: N/A
Efficacy: 148.1 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type III - 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

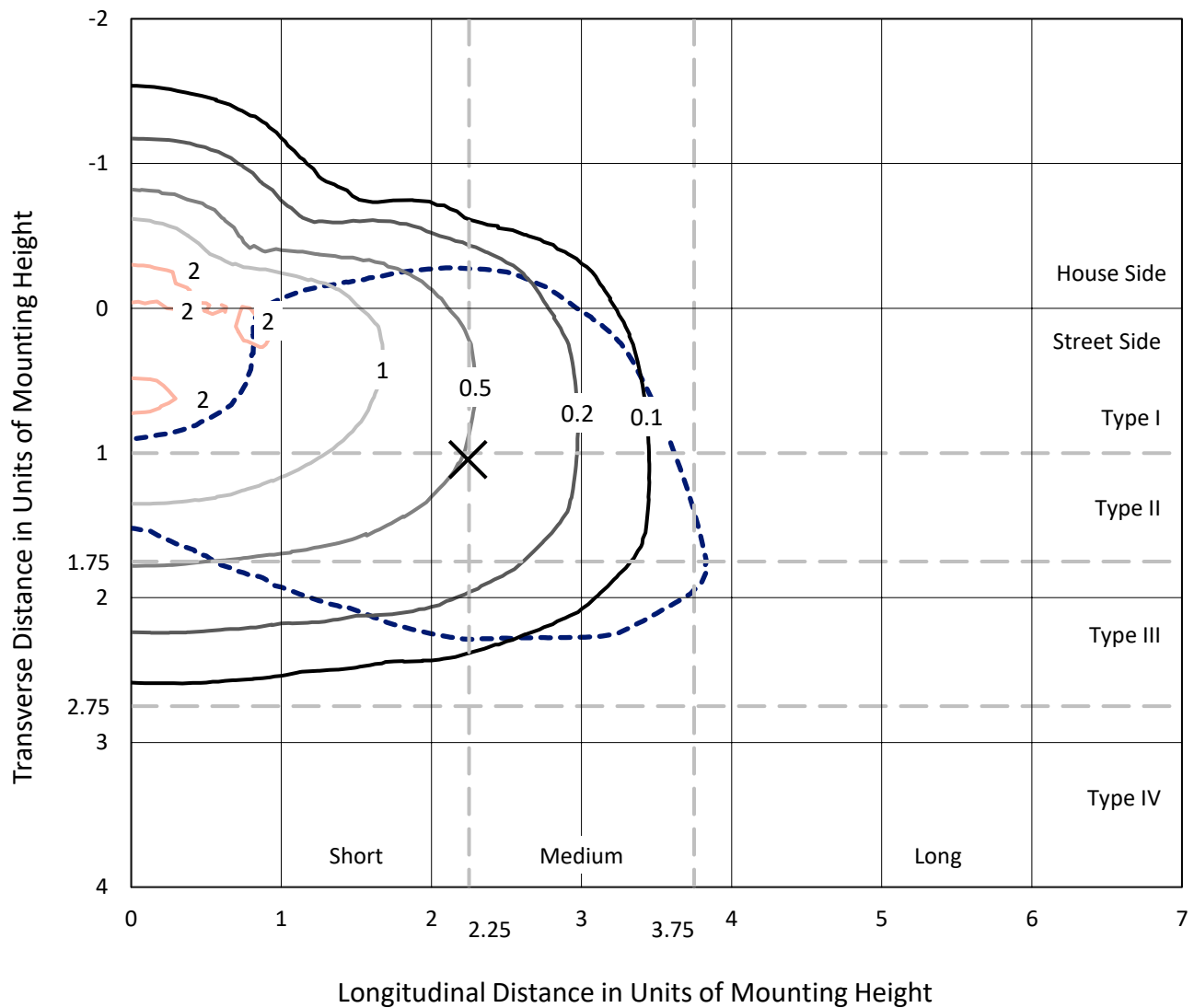


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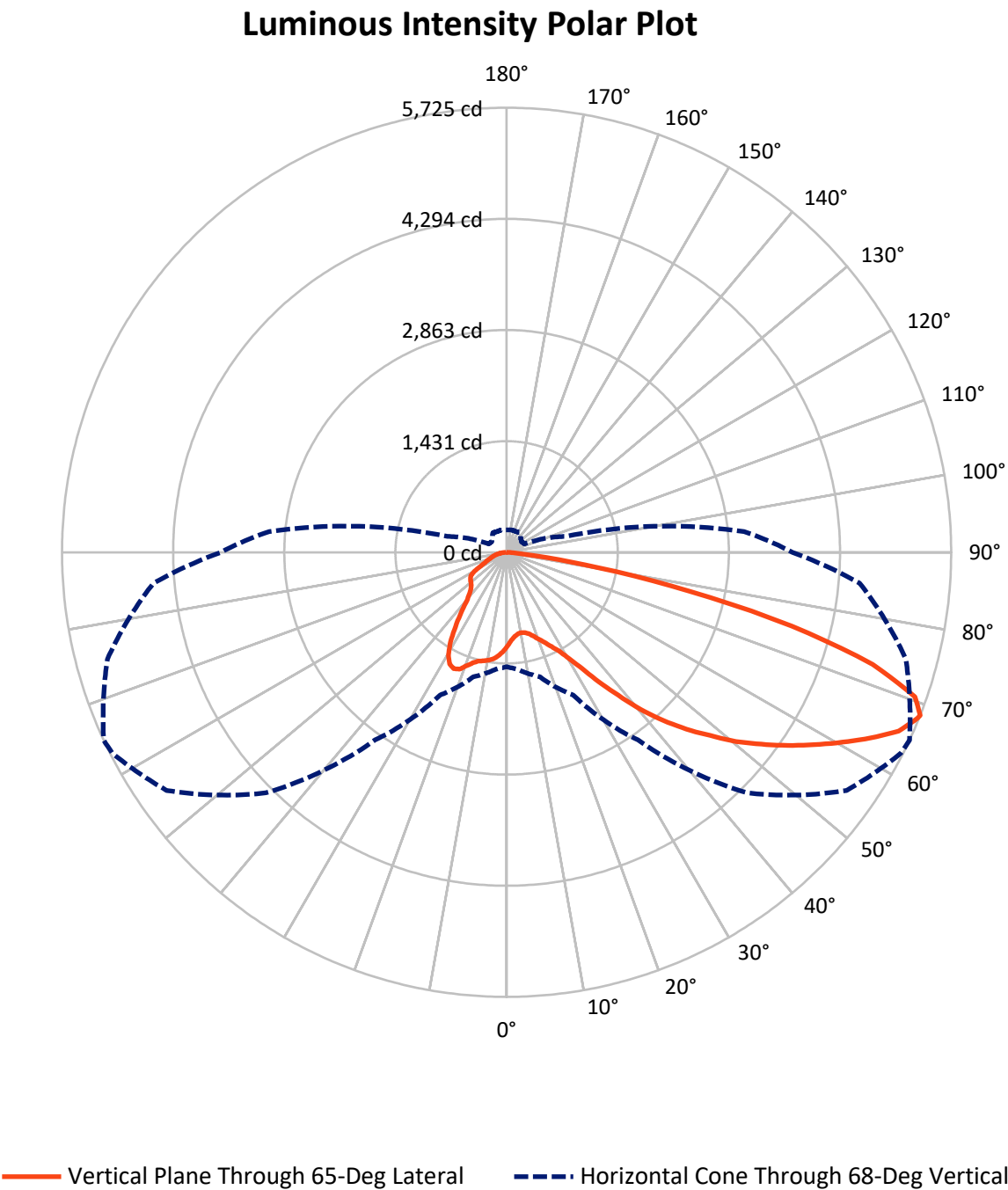
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
Type III - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2316.1	0.0	2316.1
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	7130.9	0.0	7130.9
	% Fixture	75.5	0.0	75.5
Total	Lumens	9447.0	0.0	9447.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.4	1.2
10°-20°	375.7	4.0
20°-30°	679.9	7.2
30°-40°	1069.6	11.3
40°-50°	1593.0	16.9
50°-60°	2089.7	22.1
60°-70°	2285.2	24.2
70°-80°	1130.8	12.0
80°-90°	107.9	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°	9447.0	100.0
0°-180°	9447.0	100.0

Coefficient of Utilization



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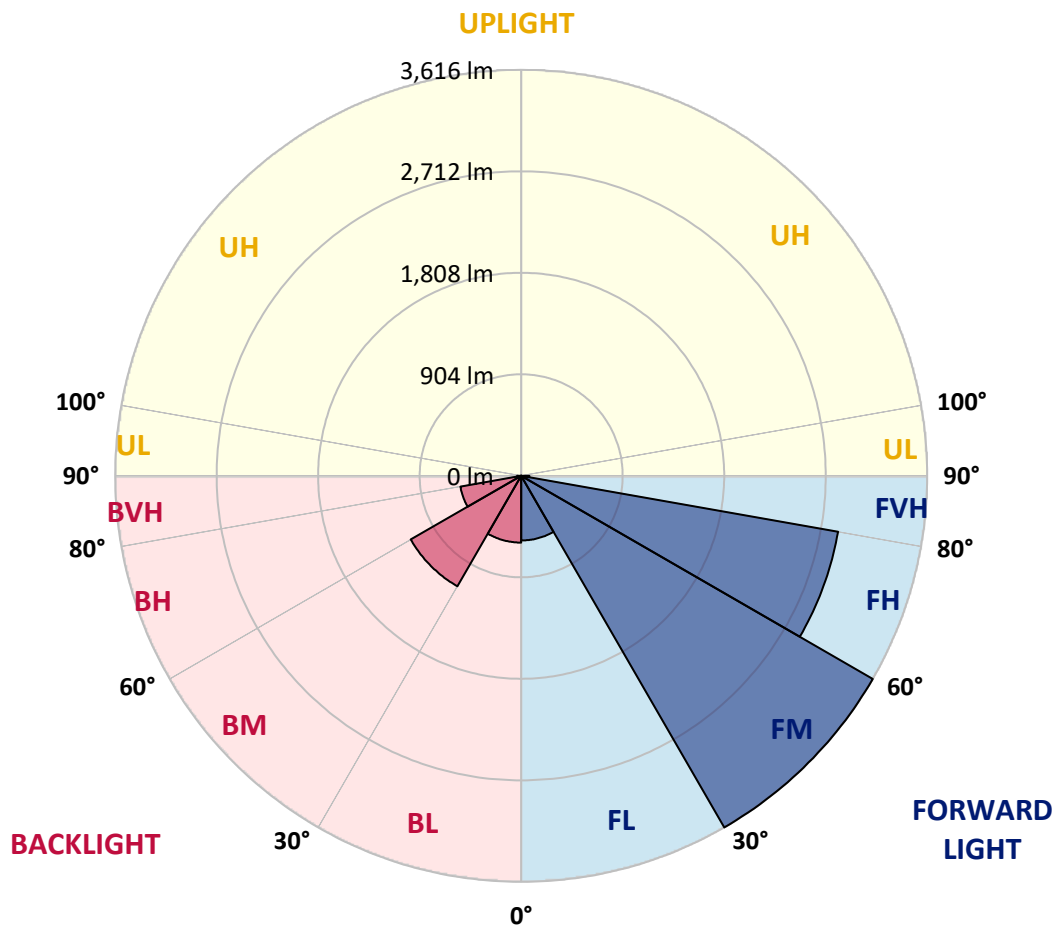
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	575.9	6.1			
FM	(30°-60°)	3616.2	38.3			
FH	(60°-80°)	2866.2	30.3			G2/5000
FVH	(80°-90°)	72.5	0.8			G1/100
BL	(0°-30°)	595.0	6.3	B2/1000		
BM	(30°-60°)	1136.0	12.0	B2/2500		
BH	(60°-80°)	549.7	5.8	B2/1000		G2/1000
BVH	(80°-90°)	35.3	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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	1207.2	1207.2	1207.2	1207.2	1207.2	1207.2	1207.2	1207.2	1207.2	1207.2	1207.2
2.5°	1053.7	1051.3	1057.4	1063.5	1076.9	1092.7	1114.6	1132.9	1135.3	1169.4	1196.2
5°	991.6	987.9	994.0	1001.3	1007.4	1026.9	1050.1	1076.9	1087.8	1137.8	1195.0
7.5°	997.7	996.5	998.9	996.5	996.5	1005.0	1020.8	1047.6	1059.8	1119.5	1201.1
10°	1033.0	1035.4	1036.7	1029.4	1022.0	1018.4	1023.3	1041.5	1050.1	1120.7	1227.9
12.5°	1091.5	1095.1	1096.4	1083.0	1073.2	1057.4	1048.8	1056.2	1062.2	1132.9	1265.7
15°	1170.7	1173.1	1164.6	1156.0	1131.7	1112.2	1091.5	1085.4	1087.8	1158.5	1308.3
17.5°	1263.2	1259.6	1259.6	1238.9	1207.2	1176.8	1142.6	1137.8	1137.8	1199.9	1369.2
20°	1364.4	1368.0	1357.0	1329.0	1297.4	1249.8	1215.7	1193.8	1196.2	1247.4	1443.5
22.5°	1510.5	1516.6	1487.4	1447.2	1398.5	1343.6	1294.9	1259.6	1260.8	1309.5	1520.3
25°	1667.7	1670.1	1651.8	1598.2	1532.5	1454.5	1389.9	1344.9	1343.6	1379.0	1619.0
27.5°	1828.5	1839.4	1802.9	1751.7	1690.8	1593.4	1508.1	1447.2	1437.4	1485.0	1742.0
30°	1994.2	2007.6	1972.2	1922.3	1846.8	1763.9	1662.8	1592.2	1586.1	1649.4	1906.4
32.5°	2161.0	2164.7	2136.7	2095.3	2027.0	1949.1	1867.5	1789.5	1783.4	1887.0	2119.6
35°	2297.5	2308.4	2289.0	2279.2	2229.3	2157.4	2078.2	2033.1	2049.0	2181.8	2396.2
37.5°	2461.9	2472.9	2451.0	2448.5	2432.7	2370.6	2315.8	2319.4	2335.2	2515.5	2687.3
40°	2699.5	2711.7	2655.6	2631.3	2631.3	2570.3	2552.1	2638.6	2659.3	2844.4	2990.6
42.5°	2900.5	2920.0	2887.1	2871.2	2823.7	2781.1	2803.0	2924.8	2960.2	3158.7	3255.0
45°	2997.9	3012.5	3051.5	3097.8	3051.5	2977.2	3060.1	3197.7	3247.7	3448.7	3519.3
47.5°	3050.3	3063.7	3108.8	3233.0	3264.7	3202.6	3319.5	3491.3	3525.4	3736.1	3771.5
50°	3057.6	3100.3	3158.7	3283.0	3427.9	3436.5	3580.2	3789.7	3829.9	4018.8	3993.2
52.5°	2997.9	3015.0	3135.6	3345.1	3505.9	3652.1	3864.1	4076.0	4105.3	4284.3	4189.3
55°	2900.5	2924.8	3045.4	3330.5	3581.4	3856.7	4152.8	4357.4	4390.3	4542.6	4370.8
57.5°	2812.8	2824.9	2954.1	3287.9	3657.0	4061.4	4409.8	4651.0	4672.9	4769.2	4504.8
60°	2715.3	2728.7	2857.8	3196.5	3713.0	4216.1	4677.8	4947.0	4966.5	5007.9	4660.7
62.5°	2463.2	2498.5	2660.5	3045.4	3698.4	4392.7	4964.1	5239.4	5263.7	5218.7	4783.8
65°	2000.2	2050.2	2248.8	2703.1	3561.9	4507.2	5198.0	5508.6	5550.0	5377.0	4816.7
67.5°	1553.2	1588.5	1748.1	2145.2	3083.2	4450.0	5349.0	5693.8	5705.9	5351.4	4633.9
68°	1472.8	1508.1	1660.4	2028.3	2950.4	4381.8	5345.4	5698.6	5725.4	5323.4	4563.3
70°	1126.8	1167.0	1312.0	1606.8	2377.9	3948.1	5122.4	5581.7	5578.0	4984.8	4124.7
72.5°	704.1	727.3	827.1	1013.5	1572.7	3004.0	4347.7	4922.6	4932.4	4063.8	3163.6
75°	447.1	447.1	442.2	490.9	806.4	1711.5	3231.8	3789.7	3797.1	2845.7	1994.2
77.5°	388.6	377.6	325.3	275.3	321.6	665.1	1912.5	2447.3	2407.1	1532.5	946.5
80°	327.7	309.4	266.8	221.7	207.1	208.3	734.6	1242.5	1188.9	551.8	314.3
82.5°	236.3	220.5	201.0	174.2	159.6	124.3	153.5	359.4	350.8	159.6	102.3
85°	127.9	115.7	113.3	114.5	96.2	76.7	64.6	79.2	79.2	69.4	58.5
87.5°	45.1	32.9	39.0	43.9	37.8	31.7	25.6	30.5	31.7	30.5	28.0
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°	1207.2	1207.2	1207.2	1207.2	1207.2	1207.2	1207.2	1207.2	1207.2	1207.2	1207.2
2.5°	1212.1	1224.3	1253.5	1279.1	1297.4	1313.2	1321.7	1325.4	1333.9	1335.1	1332.7
5°	1221.8	1253.5	1297.4	1335.1	1355.8	1364.4	1366.8	1368.0	1364.4	1366.8	1364.4
7.5°	1247.4	1287.6	1349.7	1382.6	1386.3	1372.9	1374.1	1369.2	1374.1	1379.0	1379.0
10°	1286.4	1337.6	1396.0	1408.2	1392.4	1385.1	1399.7	1428.9	1438.7	1452.1	1452.1
12.5°	1337.6	1398.5	1439.9	1428.9	1414.3	1438.7	1481.3	1510.5	1520.3	1525.2	1521.5
15°	1396.0	1461.8	1482.5	1446.0	1472.8	1525.2	1539.8	1522.7	1498.4	1487.4	1493.5
17.5°	1470.3	1525.2	1513.0	1488.6	1549.5	1556.8	1509.3	1454.5	1415.5	1400.9	1410.6
20°	1548.3	1595.8	1539.8	1550.7	1588.5	1510.5	1420.4	1349.7	1315.6	1309.5	1319.3
22.5°	1631.1	1661.6	1566.6	1622.6	1566.6	1408.2	1299.8	1263.2	1254.7	1264.5	1273.0
25°	1724.9	1721.3	1612.9	1644.5	1485.0	1282.7	1218.2	1215.7	1215.7	1221.8	1234.0
27.5°	1830.9	1773.7	1659.2	1615.3	1343.6	1179.2	1167.0	1168.2	1164.6	1165.8	1171.9
30°	1954.0	1844.3	1710.3	1519.1	1185.3	1101.2	1096.4	1092.7	1084.2	1081.7	1084.2
32.5°	2108.7	1918.6	1762.7	1360.7	1046.4	1020.8	1018.4	998.9	978.2	975.8	984.3
35°	2304.8	2053.8	1789.5	1162.1	931.9	930.7	922.2	891.7	864.9	864.9	858.8
37.5°	2528.9	2228.0	1800.5	968.4	836.9	843.0	818.6	779.6	758.9	746.7	750.4
40°	2757.9	2426.6	1799.2	799.1	754.1	755.3	737.0	689.5	638.3	607.9	615.2
42.5°	2978.4	2606.9	1767.6	709.0	687.1	683.4	668.8	604.2	561.6	537.2	538.4
45°	3155.1	2793.3	1718.8	655.4	626.1	632.2	599.3	560.4	521.4	499.5	498.2
47.5°	3331.7	2934.6	1640.9	622.5	581.1	570.1	556.7	529.9	500.7	476.3	477.5
50°	3492.5	3055.2	1567.8	600.6	539.7	511.6	514.1	498.2	472.7	450.7	449.5
52.5°	3605.8	3134.4	1527.6	588.4	489.7	459.3	467.8	459.3	434.9	419.1	417.8
55°	3719.1	3195.3	1541.0	572.5	434.9	410.5	425.1	422.7	409.3	404.4	405.7
57.5°	3810.5	3241.6	1588.5	543.3	382.5	367.9	392.3	384.9	375.2	376.4	376.4
60°	3899.4	3301.3	1644.5	476.3	337.4	338.7	361.8	348.4	342.3	353.3	354.5
62.5°	3992.0	3365.8	1598.2	378.9	298.5	307.0	333.8	322.8	325.3	341.1	346.0
65°	3981.0	3359.7	1302.2	310.6	264.3	281.4	321.6	317.9	319.2	325.3	327.7
67.5°	3756.9	3145.3	895.4	264.3	240.0	260.7	311.9	297.2	298.5	294.8	296.0
68°	3681.3	3069.8	789.4	257.0	235.1	255.8	307.0	293.6	294.8	291.1	289.9
70°	3269.6	2628.8	499.5	226.6	218.1	242.4	282.6	277.7	276.5	274.1	274.1
72.5°	2492.4	1940.6	263.1	196.1	198.6	221.7	252.2	261.9	255.8	257.0	264.3
75°	1650.6	1167.0	182.7	168.1	174.2	190.0	224.1	243.6	237.5	241.2	237.5
77.5°	873.4	628.6	146.2	142.5	142.5	153.5	185.2	215.6	215.6	213.2	209.5
80°	286.3	221.7	116.9	112.1	114.5	120.6	148.6	176.6	180.3	175.4	173.0
82.5°	96.2	102.3	87.7	81.6	84.1	88.9	112.1	135.2	136.4	126.7	124.3
85°	59.7	68.2	54.8	53.6	53.6	54.8	68.2	74.3	68.2	60.9	63.3
87.5°	28.0	34.1	25.6	21.9	18.3	15.8	12.2	4.9	4.9	2.4	2.4
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)