

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: P691402

Luminaire Tested: **CRTK2-C016-5TLD-U-T2-7050-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691402
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C016-5TLD-U-T2-7050-U0
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE II OPTIC AND U0 SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6049 lumens
Efficiency: N/A
Efficacy: 141.3 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

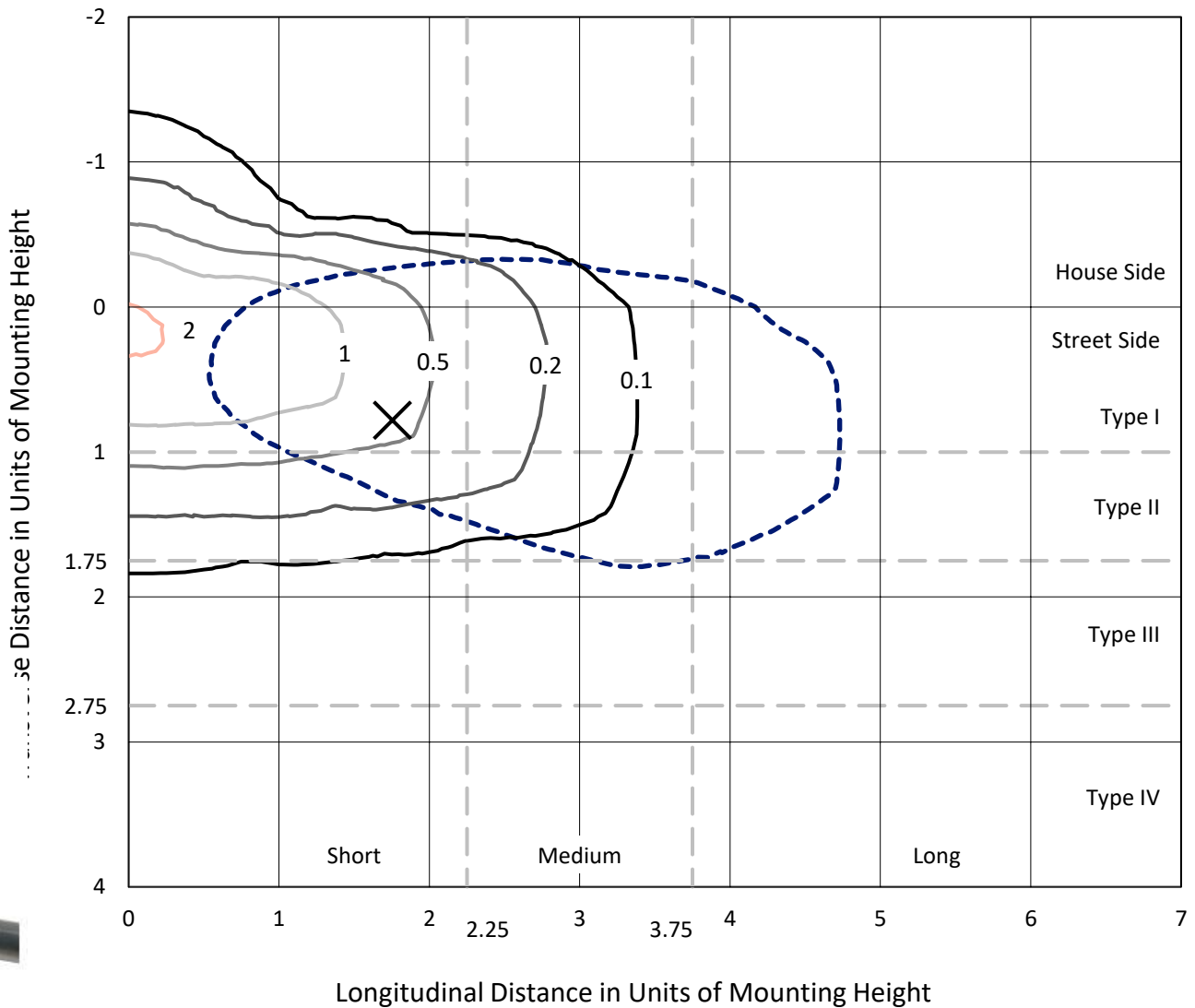
Input Watts (W): 42.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

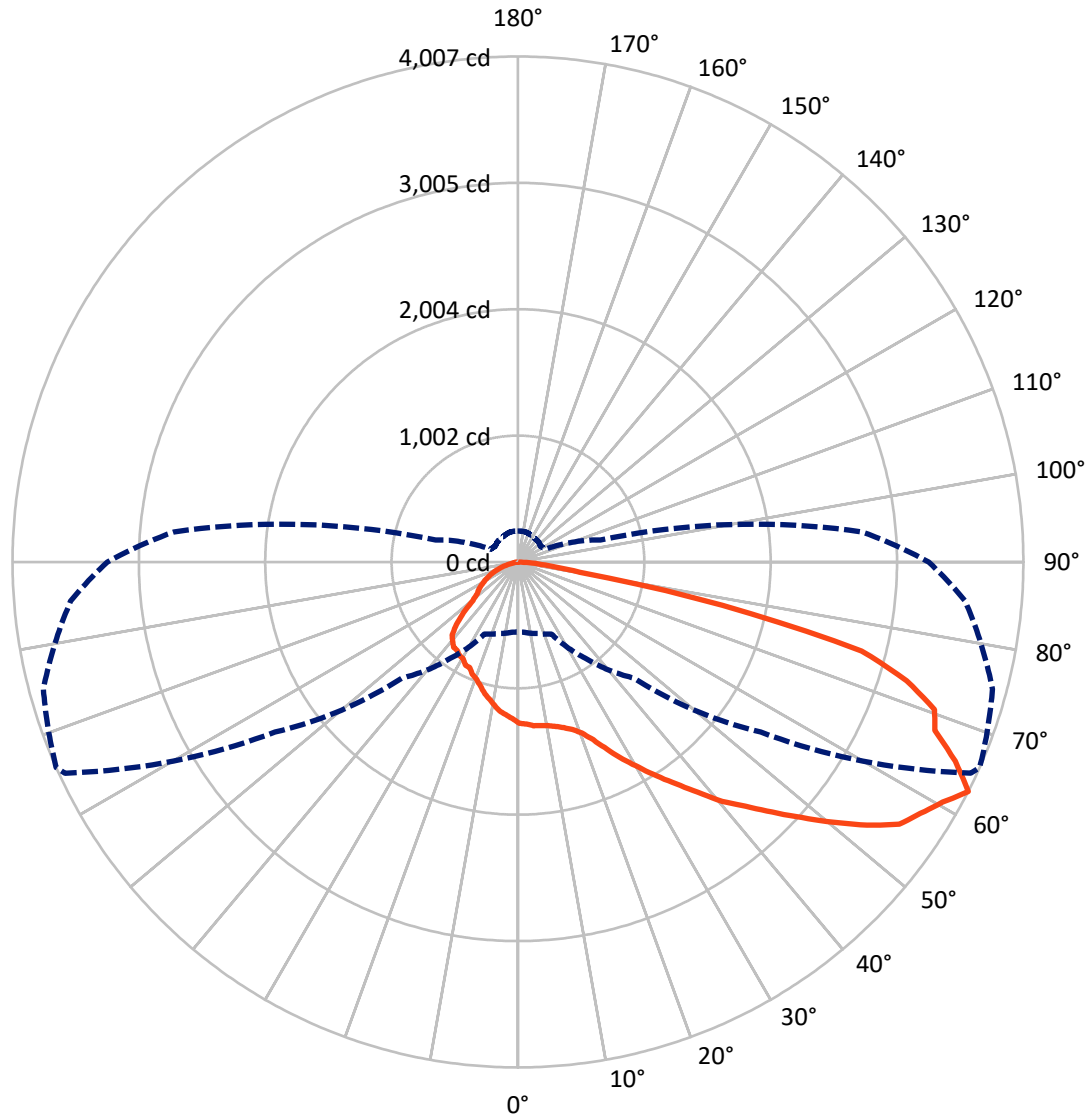
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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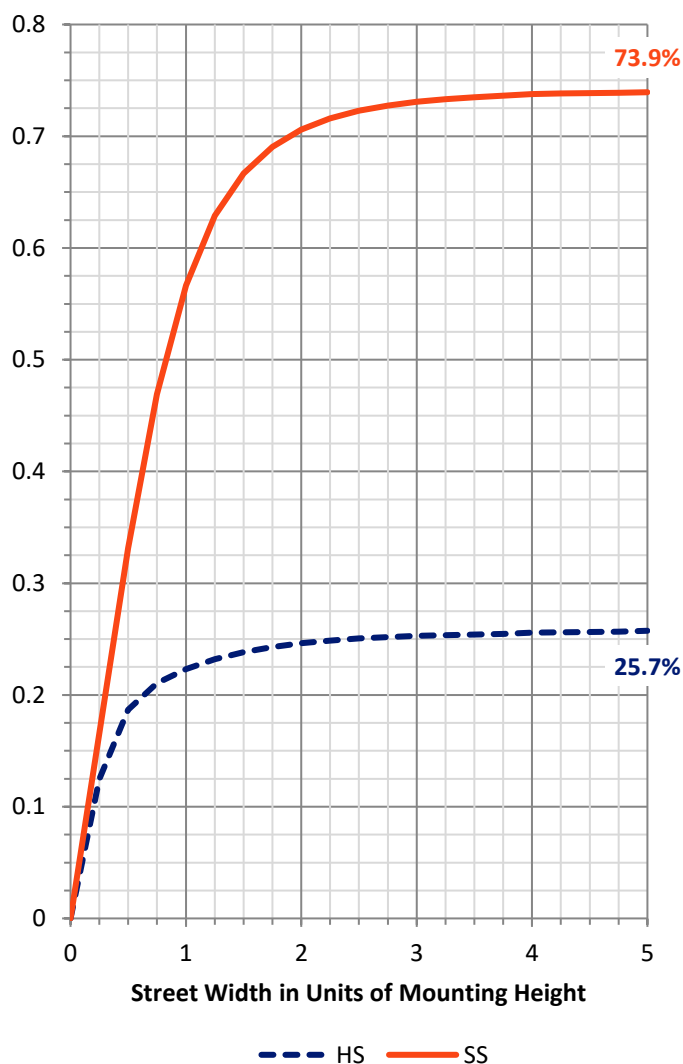
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1580.6	0.0	1580.6
	% Fixture	26.1	0.0	26.1
Street Side	Lumens	4468.4	0.0	4468.4
	% Fixture	73.9	0.0	73.9
Total	Lumens	6049.0	0.0	6049.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.7	2.0
10°-20°	339.7	5.6
20°-30°	551.6	9.1
30°-40°	795.5	13.2
40°-50°	1034.8	17.1
50°-60°	1201.9	19.9
60°-70°	1189.2	19.7
70°-80°	736.6	12.2
80°-90°	80.0	1.3
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°	6049.0	100.0
0°-180°	6049.0	100.0

Coefficient of Utilization

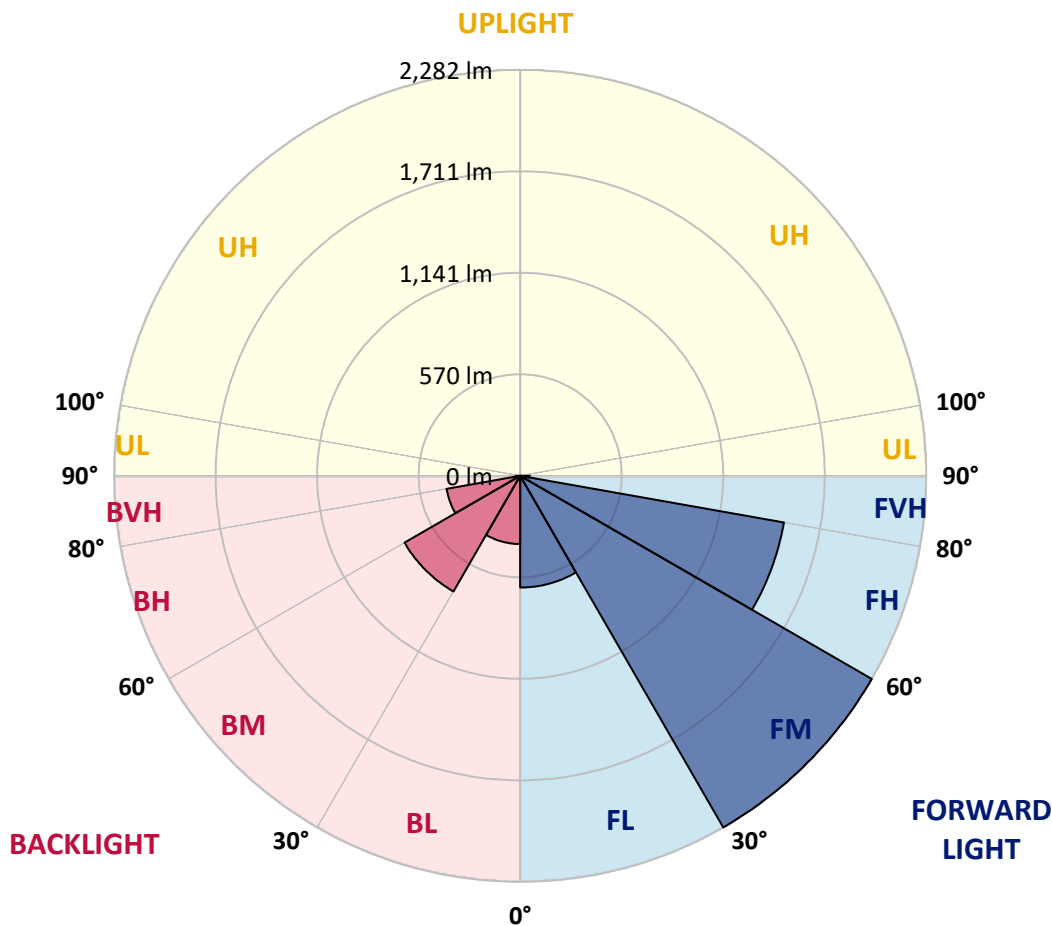


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	627.6	10.4			
FM (30°-60°)	2281.8	37.7			
FH (60°-80°)	1505.4	24.9			G1/1800
FVH (80°-90°)	53.6	0.9			G1/100
BL (0°-30°)	383.4	6.3	B1/500		
BM (30°-60°)	750.5	12.4	B1/1000		
BH (60°-80°)	420.3	6.9	B1/500		G1/500
BVH (80°-90°)	26.3	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1279.5	1279.5	1279.5	1279.5	1279.5	1279.5	1279.5	1279.5	1279.5	1279.5	1279.5
2.5°	1325.3	1325.3	1329.4	1314.9	1306.6	1300.3	1294.1	1287.8	1285.8	1279.5	1271.2
5°	1383.5	1383.5	1385.6	1371.1	1354.4	1335.7	1317.0	1304.5	1304.5	1289.9	1269.1
7.5°	1414.7	1414.7	1414.7	1398.1	1387.7	1375.2	1346.1	1310.7	1308.6	1294.1	1264.9
10°	1414.7	1414.7	1423.1	1398.1	1389.8	1377.3	1360.7	1323.2	1319.0	1285.8	1246.2
12.5°	1439.7	1443.9	1439.7	1412.7	1404.3	1393.9	1371.1	1339.8	1337.8	1294.1	1237.9
15°	1475.1	1477.2	1470.9	1452.2	1443.9	1427.2	1400.2	1366.9	1362.7	1310.7	1244.1
17.5°	1483.4	1485.5	1489.6	1466.8	1466.8	1460.5	1446.0	1406.4	1396.0	1350.2	1262.9
20°	1479.2	1481.3	1487.6	1483.4	1485.5	1481.3	1491.7	1458.4	1446.0	1396.0	1292.0
22.5°	1498.0	1502.1	1514.6	1516.7	1525.0	1533.3	1537.5	1539.6	1531.3	1473.0	1352.3
25°	1504.2	1516.7	1533.3	1556.2	1585.3	1602.0	1624.9	1647.8	1645.7	1587.4	1452.2
27.5°	1475.1	1489.6	1541.7	1577.0	1641.5	1687.3	1739.3	1770.5	1770.5	1722.7	1566.6
30°	1502.1	1508.4	1535.4	1585.3	1660.2	1764.3	1845.4	1884.9	1889.1	1857.9	1679.0
32.5°	1446.0	1460.5	1527.1	1622.8	1737.2	1851.6	1932.8	2018.1	2022.3	2011.8	1843.3
35°	1439.7	1448.0	1485.5	1587.4	1735.1	1932.8	2041.0	2149.2	2159.6	2172.0	2003.5
37.5°	1375.2	1391.9	1464.7	1591.6	1793.4	1986.9	2132.5	2299.0	2315.6	2355.1	2140.8
40°	1306.6	1319.0	1379.4	1516.7	1774.7	2055.5	2222.0	2475.8	2496.6	2529.9	2330.2
42.5°	1212.9	1237.9	1341.9	1485.5	1766.3	2076.3	2321.8	2638.1	2646.4	2704.7	2480.0
45°	1125.6	1133.9	1212.9	1377.3	1693.5	2107.6	2396.7	2821.2	2827.4	2864.9	2604.8
47.5°	1054.8	1065.2	1146.4	1285.8	1627.0	2099.2	2471.6	2998.0	3027.1	3068.7	2756.7
50°	836.4	859.2	1073.5	1206.7	1512.5	2084.7	2532.0	3210.2	3243.5	3283.0	2918.9
52.5°	721.9	732.3	840.5	1127.6	1400.2	2022.3	2588.1	3426.6	3466.1	3445.3	3124.9
55°	672.0	678.2	728.2	971.6	1300.3	1903.7	2629.8	3628.4	3670.0	3570.1	3287.2
57.5°	636.6	645.0	674.1	794.8	1188.0	1695.6	2633.9	3747.0	3761.6	3674.2	3353.8
60°	588.8	595.0	636.6	694.9	1056.9	1477.2	2559.0	3799.0	3867.7	3784.4	3503.6
62.5°	553.4	559.7	586.7	630.4	930.0	1302.4	2351.0	3961.3	4007.1	3894.7	3559.7
65°	511.8	511.8	538.9	582.5	848.8	1196.3	2242.8	3909.3	3809.4	3863.5	3628.4
67.5°	451.5	455.6	482.7	518.0	711.5	1094.3	1976.5	3667.9	3563.9	3713.7	3447.4
70°	401.5	397.4	426.5	453.6	582.5	965.4	1637.4	3418.3	3503.6	3486.9	3281.0
72.5°	335.0	330.8	355.8	384.9	470.2	801.0	1294.1	3172.8	3222.7	3118.7	2910.6
75°	260.1	235.1	270.5	307.9	370.3	634.6	917.5	2627.7	2814.9	2939.8	2482.0
77.5°	41.6	41.6	52.0	72.8	120.7	322.5	409.9	1443.9	1656.1	2502.8	2176.2
80°	33.3	33.3	37.4	49.9	72.8	176.8	137.3	447.3	499.3	1079.8	1252.5
82.5°	18.7	18.7	27.0	33.3	45.8	54.1	60.3	218.5	243.4	382.8	484.8
85°	10.4	10.4	14.6	16.6	18.7	18.7	18.7	99.9	112.3	203.9	220.5
87.5°	6.2	6.2	6.2	6.2	6.2	4.2	2.1	2.1	2.1	2.1	2.1
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°	1279.5	1279.5	1279.5	1279.5	1279.5	1279.5	1279.5	1279.5	1279.5	1279.5	1279.5
2.5°	1267.0	1260.8	1250.4	1242.1	1235.8	1229.6	1219.2	1212.9	1212.9	1223.3	1225.4
5°	1256.6	1242.1	1223.3	1215.0	1204.6	1194.2	1177.6	1169.2	1167.2	1173.4	1177.6
7.5°	1248.3	1227.5	1208.8	1188.0	1156.8	1129.7	1115.2	1104.7	1108.9	1119.3	1115.2
10°	1223.3	1204.6	1175.5	1144.3	1106.8	1083.9	1061.1	1048.6	1050.7	1056.9	1050.7
12.5°	1212.9	1188.0	1140.1	1102.7	1069.4	1025.7	996.6	977.8	977.8	988.2	988.2
15°	1212.9	1175.5	1111.0	1065.2	1013.2	969.5	936.2	919.6	930.0	923.7	919.6
17.5°	1223.3	1165.1	1092.3	1015.3	952.9	909.2	869.7	846.8	853.0	857.2	853.0
20°	1235.8	1165.1	1069.4	975.8	902.9	840.5	796.8	771.9	769.8	771.9	776.0
22.5°	1277.4	1192.1	1054.8	950.8	840.5	780.2	736.5	692.8	690.7	688.6	692.8
25°	1348.2	1242.1	1065.2	905.0	805.2	715.7	661.6	624.2	611.7	609.6	613.7
27.5°	1464.7	1329.4	1081.9	898.8	740.7	659.5	592.9	551.3	538.9	543.0	540.9
30°	1591.6	1441.8	1129.7	855.1	703.2	576.3	513.9	478.5	466.0	457.7	459.8
32.5°	1685.2	1554.1	1190.0	840.5	630.4	486.8	441.1	420.3	405.7	395.3	393.2
35°	1832.9	1649.8	1244.1	807.2	565.9	428.6	391.1	368.2	359.9	353.7	353.7
37.5°	1974.4	1766.3	1298.2	796.8	482.7	389.1	343.3	328.7	324.6	320.4	320.4
40°	2115.9	1884.9	1329.4	755.2	416.1	341.2	297.5	295.4	301.7	297.5	299.6
42.5°	2290.6	2007.7	1360.7	715.7	368.2	291.3	266.3	282.9	295.4	297.5	297.5
45°	2411.3	2090.9	1373.1	620.0	318.3	253.8	260.1	278.8	293.4	299.6	297.5
47.5°	2521.6	2203.3	1354.4	503.5	276.7	247.6	258.0	270.5	291.3	299.6	299.6
50°	2629.8	2296.9	1337.8	372.4	262.1	249.7	258.0	264.2	287.1	295.4	295.4
52.5°	2781.6	2371.8	1281.6	312.1	249.7	251.7	264.2	262.1	280.9	293.4	297.5
55°	2991.8	2546.5	1173.4	295.4	247.6	249.7	264.2	264.2	276.7	287.1	293.4
57.5°	3085.4	2621.4	990.3	278.8	241.3	247.6	258.0	260.1	274.6	280.9	278.8
60°	3191.5	2715.1	811.4	260.1	230.9	243.4	247.6	255.9	266.3	266.3	264.2
62.5°	3256.0	2737.9	676.2	239.3	218.5	228.9	228.9	237.2	245.5	245.5	245.5
65°	3287.2	2715.1	505.6	220.5	203.9	212.2	210.1	214.3	220.5	210.1	210.1
67.5°	3164.4	2629.8	349.5	195.6	187.2	195.6	193.5	195.6	193.5	185.2	187.2
70°	2954.3	2390.5	241.3	166.4	164.4	178.9	181.0	176.8	164.4	158.1	158.1
72.5°	2690.1	1918.2	166.4	133.2	139.4	158.1	162.3	154.0	141.5	135.2	135.2
75°	2440.4	1658.2	118.6	91.5	93.6	120.7	129.0	129.0	124.8	166.4	176.8
77.5°	1697.7	1073.5	68.7	47.9	45.8	68.7	79.1	81.1	156.0	168.5	164.4
80°	1007.0	505.6	49.9	29.1	29.1	39.5	54.1	106.1	178.9	120.7	108.2
82.5°	384.9	193.5	31.2	18.7	16.6	20.8	31.2	164.4	104.0	68.7	62.4
85°	139.4	47.9	14.6	10.4	10.4	12.5	18.7	139.4	72.8	52.0	49.9
87.5°	2.1	2.1	4.2	4.2	4.2	2.1	2.1	4.2	4.2	4.2	2.1
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)