

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: P691586

Luminaire Tested: **CRTK2-C018-5TLD-U-T2-7050-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691586
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-C018-5TLD-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: 7758 lumens
Efficiency: N/A
Efficacy: 144.5 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

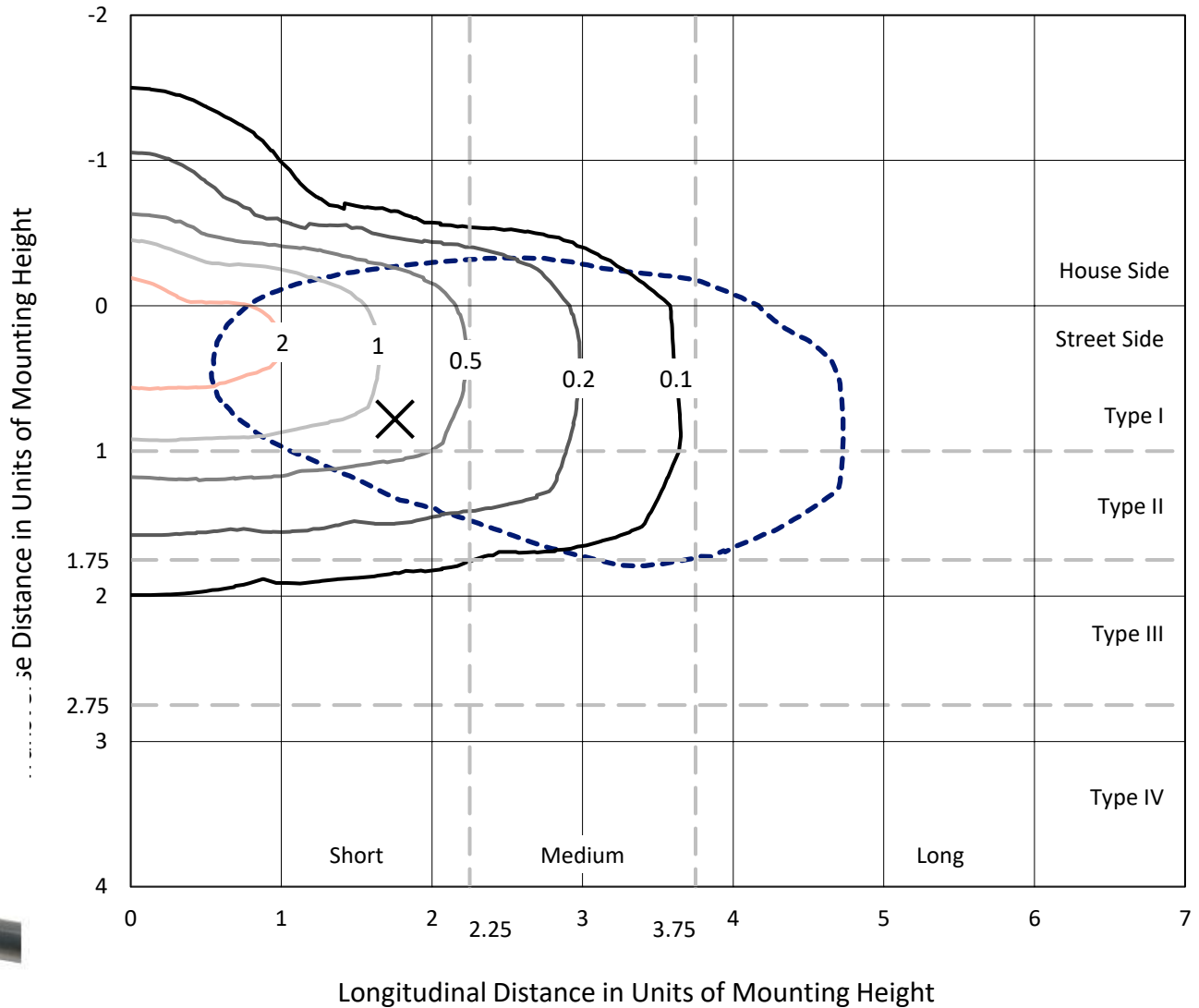
Input Watts (W): 53.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

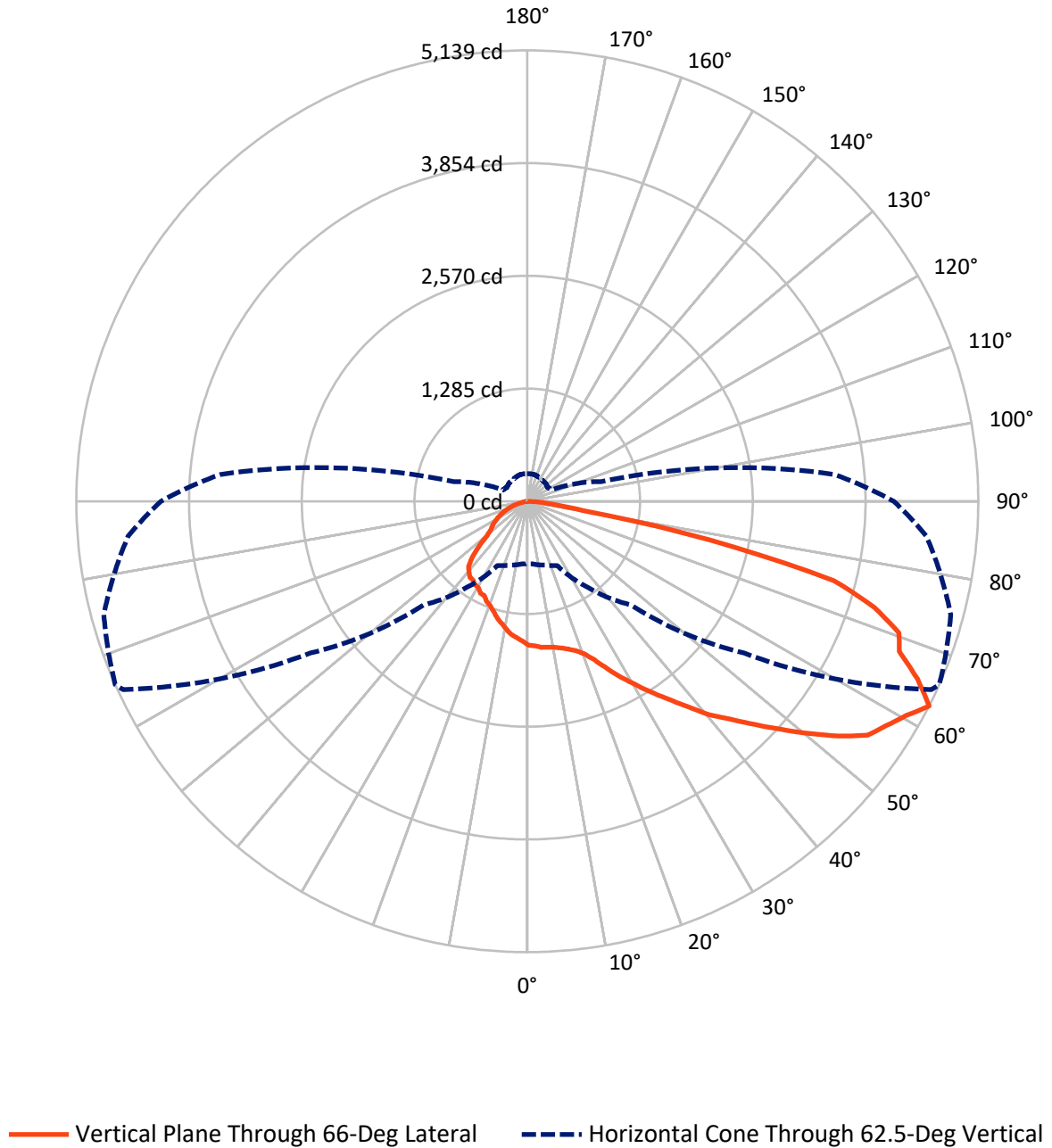
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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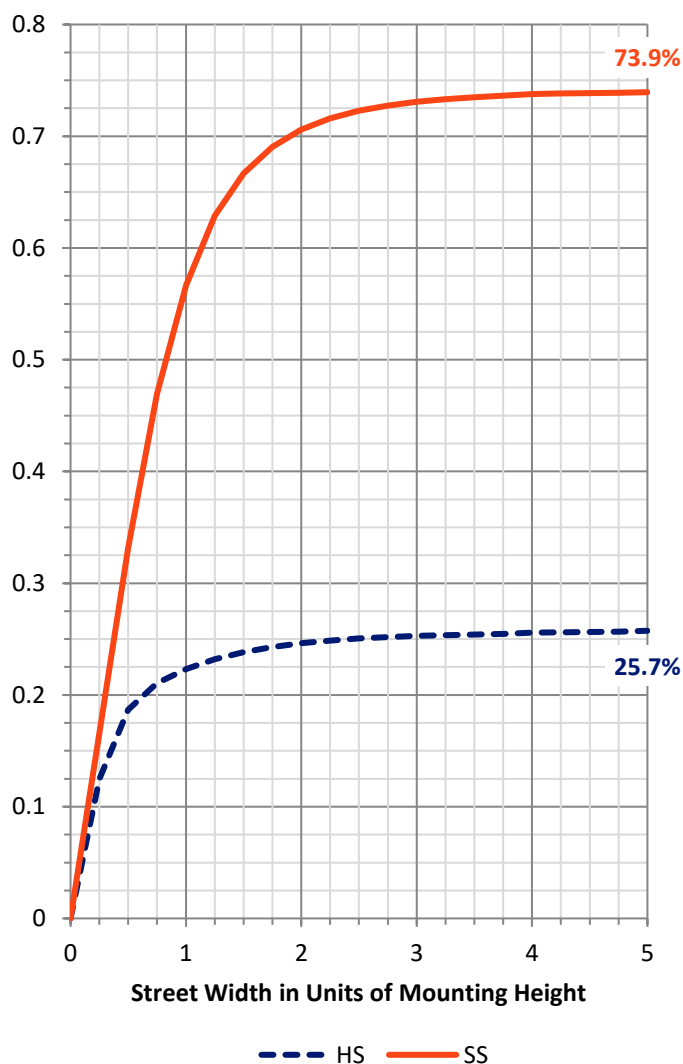
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2027.1	0.0	2027.1
	% Fixture	26.1	0.0	26.1
Street Side	Lumens	5730.9	0.0	5730.9
	% Fixture	73.9	0.0	73.9
Total	Lumens	7758.0	0.0	7758.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.5	2.0
10°-20°	435.7	5.6
20°-30°	707.4	9.1
30°-40°	1020.3	13.2
40°-50°	1327.2	17.1
50°-60°	1541.5	19.9
60°-70°	1525.1	19.7
70°-80°	944.7	12.2
80°-90°	102.6	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°	7758.0	100.0
0°-180°	7758.0	100.0

Coefficient of Utilization

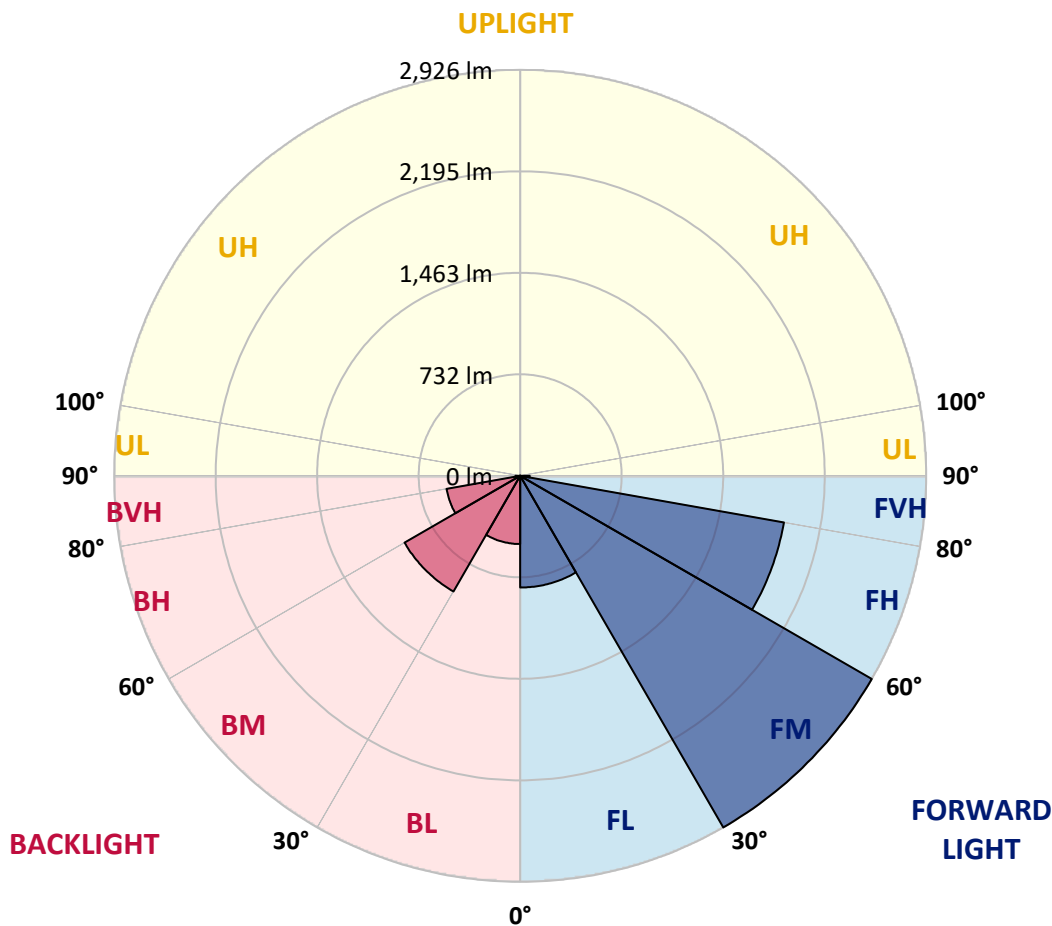


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	804.9	10.4			
FM (30°-60°)	2926.4	37.7			
FH (60°-80°)	1930.7	24.9			G2/5000
FVH (80°-90°)	68.8	0.9			G1/100
BL (0°-30°)	491.7	6.3	B1/500		
BM (30°-60°)	962.5	12.4	B1/1000		
BH (60°-80°)	539.1	6.9	B2/1000		G2/1000
BVH (80°-90°)	33.8	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°	66°	75°	85°
0°	1641.0	1641.0	1641.0	1641.0	1641.0	1641.0	1641.0	1641.0	1641.0	1641.0	1641.0
2.5°	1699.7	1699.7	1705.0	1686.4	1675.7	1667.7	1659.7	1651.7	1649.0	1641.0	1630.3
5°	1774.4	1774.4	1777.1	1758.4	1737.1	1713.1	1689.0	1673.0	1673.0	1654.3	1627.7
7.5°	1814.4	1814.4	1814.4	1793.1	1779.8	1763.7	1726.4	1681.0	1678.4	1659.7	1622.3
10°	1814.4	1814.4	1825.1	1793.1	1782.4	1766.4	1745.1	1697.0	1691.7	1649.0	1598.3
12.5°	1846.5	1851.8	1846.5	1811.8	1801.1	1787.8	1758.4	1718.4	1715.7	1659.7	1587.6
15°	1891.8	1894.5	1886.5	1862.5	1851.8	1830.5	1795.8	1753.1	1747.7	1681.0	1595.6
17.5°	1902.5	1905.2	1910.5	1881.2	1881.2	1873.1	1854.5	1803.8	1790.4	1731.7	1619.7
20°	1897.2	1899.8	1907.8	1902.5	1905.2	1899.8	1913.2	1870.5	1854.5	1790.4	1657.0
22.5°	1921.2	1926.5	1942.5	1945.2	1955.9	1966.5	1971.9	1974.5	1963.9	1889.2	1734.4
25°	1929.2	1945.2	1966.5	1995.9	2033.2	2054.6	2083.9	2113.3	2110.6	2035.9	1862.5
27.5°	1891.8	1910.5	1977.2	2022.6	2105.3	2164.0	2230.7	2270.7	2270.7	2209.4	2009.2
30°	1926.5	1934.5	1969.2	2033.2	2129.3	2262.7	2366.8	2417.5	2422.8	2382.8	2153.3
32.5°	1854.5	1873.1	1958.5	2081.3	2228.0	2374.8	2478.9	2588.3	2593.6	2580.2	2364.1
35°	1846.5	1857.1	1905.2	2035.9	2225.4	2478.9	2617.6	2756.4	2769.7	2785.7	2569.6
37.5°	1763.7	1785.1	1878.5	2041.3	2300.1	2548.2	2735.0	2948.5	2969.8	3020.5	2745.7
40°	1675.7	1691.7	1769.1	1945.2	2276.1	2636.3	2849.7	3175.3	3202.0	3244.7	2988.5
42.5°	1555.6	1587.6	1721.1	1905.2	2265.4	2663.0	2977.8	3383.4	3394.1	3468.8	3180.6
45°	1443.6	1454.2	1555.6	1766.4	2172.0	2703.0	3073.9	3618.2	3626.2	3674.3	3340.7
47.5°	1352.8	1366.2	1470.2	1649.0	2086.6	2692.3	3169.9	3845.0	3882.4	3935.7	3535.5
50°	1072.7	1102.0	1376.8	1547.6	1939.9	2673.6	3247.3	4117.2	4159.9	4210.6	3743.6
52.5°	925.9	939.2	1078.0	1446.2	1795.8	2593.6	3319.4	4394.7	4445.4	4418.7	4007.8
55°	861.9	869.9	933.9	1246.1	1667.7	2441.5	3372.7	4653.5	4706.9	4578.8	4215.9
57.5°	816.5	827.2	864.5	1019.3	1523.6	2174.7	3378.1	4805.6	4824.3	4712.2	4301.3
60°	755.1	763.1	816.5	891.2	1355.5	1894.5	3282.0	4872.3	4960.4	4853.6	4493.4
62.5°	709.8	717.8	752.5	808.5	1192.7	1670.4	3015.2	5080.4	5139.2	4995.1	4565.5
65°	656.4	656.4	691.1	747.1	1088.7	1534.3	2876.4	5013.7	4885.7	4955.0	4653.5
67.5°	579.0	584.4	619.0	664.4	912.6	1403.5	2534.9	4704.2	4570.8	4762.9	4421.4
70°	515.0	509.6	547.0	581.7	747.1	1238.1	2100.0	4384.0	4493.4	4472.1	4207.9
72.5°	429.6	424.3	456.3	493.6	603.0	1027.3	1659.7	4069.2	4133.2	3999.8	3733.0
75°	333.5	301.5	346.9	394.9	475.0	813.8	1176.7	3370.1	3610.2	3770.3	3183.3
77.5°	53.4	53.4	66.7	93.4	154.8	413.6	525.7	1851.8	2124.0	3210.0	2791.0
80°	42.7	42.7	48.0	64.0	93.4	226.8	176.1	573.7	640.4	1384.8	1606.3
82.5°	24.0	24.0	34.7	42.7	58.7	69.4	77.4	280.2	312.2	491.0	621.7
85°	13.3	13.3	18.7	21.3	24.0	24.0	24.0	128.1	144.1	261.5	282.8
87.5°	8.0	8.0	8.0	8.0	8.0	5.3	2.7	2.7	2.7	2.7	2.7
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°	1641.0	1641.0	1641.0	1641.0	1641.0	1641.0	1641.0	1641.0	1641.0	1641.0	1641.0
2.5°	1625.0	1617.0	1603.6	1593.0	1585.0	1577.0	1563.6	1555.6	1555.6	1569.0	1571.6
5°	1611.7	1593.0	1569.0	1558.3	1544.9	1531.6	1510.3	1499.6	1496.9	1504.9	1510.3
7.5°	1601.0	1574.3	1550.3	1523.6	1483.6	1448.9	1430.2	1416.9	1422.2	1435.5	1430.2
10°	1569.0	1544.9	1507.6	1467.6	1419.5	1390.2	1360.8	1344.8	1347.5	1355.5	1347.5
12.5°	1555.6	1523.6	1462.2	1414.2	1371.5	1315.5	1278.1	1254.1	1254.1	1267.4	1267.4
15°	1555.6	1507.6	1424.9	1366.2	1299.5	1243.4	1200.7	1179.4	1192.7	1184.7	1179.4
17.5°	1569.0	1494.2	1400.9	1302.1	1222.1	1166.0	1115.4	1086.0	1094.0	1099.3	1094.0
20°	1585.0	1494.2	1371.5	1251.4	1158.0	1078.0	1022.0	989.9	987.3	989.9	995.3
22.5°	1638.3	1528.9	1352.8	1219.4	1078.0	1000.6	944.6	888.5	885.9	883.2	888.5
25°	1729.1	1593.0	1366.2	1160.7	1032.6	917.9	848.5	800.5	784.5	781.8	787.1
27.5°	1878.5	1705.0	1387.5	1152.7	949.9	845.9	760.5	707.1	691.1	696.4	693.8
30°	2041.3	1849.1	1448.9	1096.7	901.9	739.1	659.1	613.7	597.7	587.0	589.7
32.5°	2161.3	1993.2	1526.3	1078.0	808.5	624.4	565.7	539.0	520.3	507.0	504.3
35°	2350.8	2116.0	1595.6	1035.3	725.8	549.7	501.6	472.3	461.6	453.6	453.6
37.5°	2532.2	2265.4	1665.0	1022.0	619.0	499.0	440.3	421.6	416.3	410.9	410.9
40°	2713.7	2417.5	1705.0	968.6	533.7	437.6	381.6	378.9	386.9	381.6	384.2
42.5°	2937.8	2574.9	1745.1	917.9	472.3	373.6	341.5	362.9	378.9	381.6	381.6
45°	3092.6	2681.6	1761.1	795.2	408.3	325.5	333.5	357.6	376.2	384.2	381.6
47.5°	3234.0	2825.7	1737.1	645.7	354.9	317.5	330.9	346.9	373.6	384.2	384.2
50°	3372.7	2945.8	1715.7	477.6	336.2	320.2	330.9	338.9	368.2	378.9	378.9
52.5°	3567.5	3041.9	1643.7	400.2	320.2	322.9	338.9	336.2	360.2	376.2	381.6
55°	3837.0	3266.0	1504.9	378.9	317.5	320.2	338.9	338.9	354.9	368.2	376.2
57.5°	3957.1	3362.1	1270.1	357.6	309.5	317.5	330.9	333.5	352.2	360.2	357.6
60°	4093.2	3482.1	1040.6	333.5	296.2	312.2	317.5	328.2	341.5	341.5	338.9
62.5°	4175.9	3511.5	867.2	306.9	280.2	293.5	293.5	304.2	314.9	314.9	314.9
65°	4215.9	3482.1	648.4	282.8	261.5	272.2	269.5	274.8	282.8	269.5	269.5
67.5°	4058.5	3372.7	448.3	250.8	240.1	250.8	248.2	250.8	248.2	237.5	240.1
70°	3789.0	3065.9	309.5	213.5	210.8	229.5	232.1	226.8	210.8	202.8	202.8
72.5°	3450.1	2460.2	213.5	170.8	178.8	202.8	208.1	197.5	181.4	173.4	173.4
75°	3129.9	2126.6	152.1	117.4	120.1	154.8	165.4	165.4	160.1	213.5	226.8
77.5°	2177.3	1376.8	88.1	61.4	58.7	88.1	101.4	104.1	200.1	216.1	210.8
80°	1291.5	648.4	64.0	37.4	37.4	50.7	69.4	136.1	229.5	154.8	138.8
82.5°	493.6	248.2	40.0	24.0	21.3	26.7	40.0	210.8	133.4	88.1	80.0
85°	178.8	61.4	18.7	13.3	13.3	16.0	24.0	178.8	93.4	66.7	64.0
87.5°	2.7	2.7	5.3	5.3	5.3	2.7	2.7	5.3	5.3	5.3	2.7
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)