

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: P690950

Luminaire Tested: **CRTK2-C01-D-U-T2-8027-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690950
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-C01-D-U-T2-8027-U0
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE II OPTIC AND U0 SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7360 lumens
Efficiency: N/A
Efficacy: 120.7 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

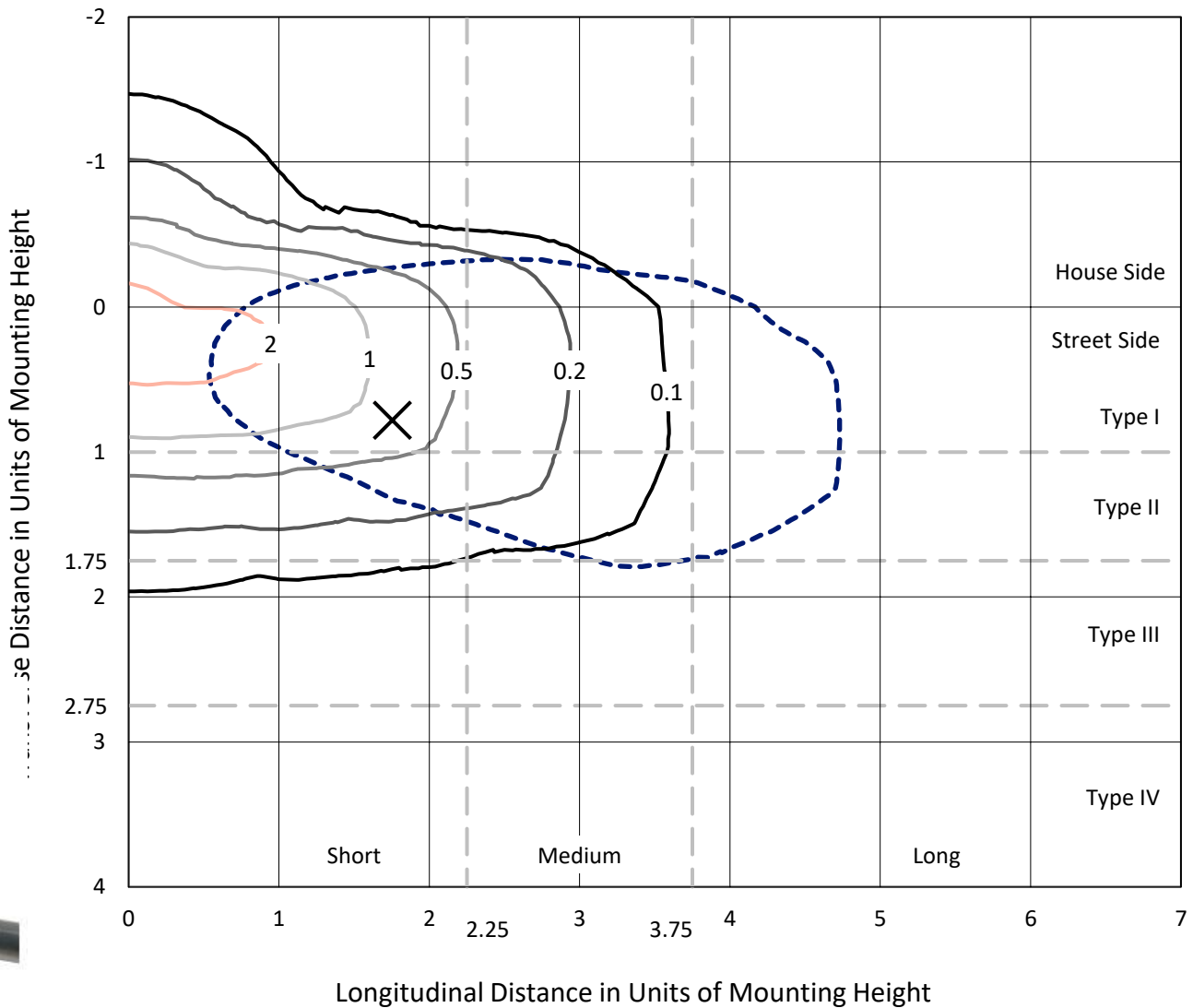
Input Watts (W): 61
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

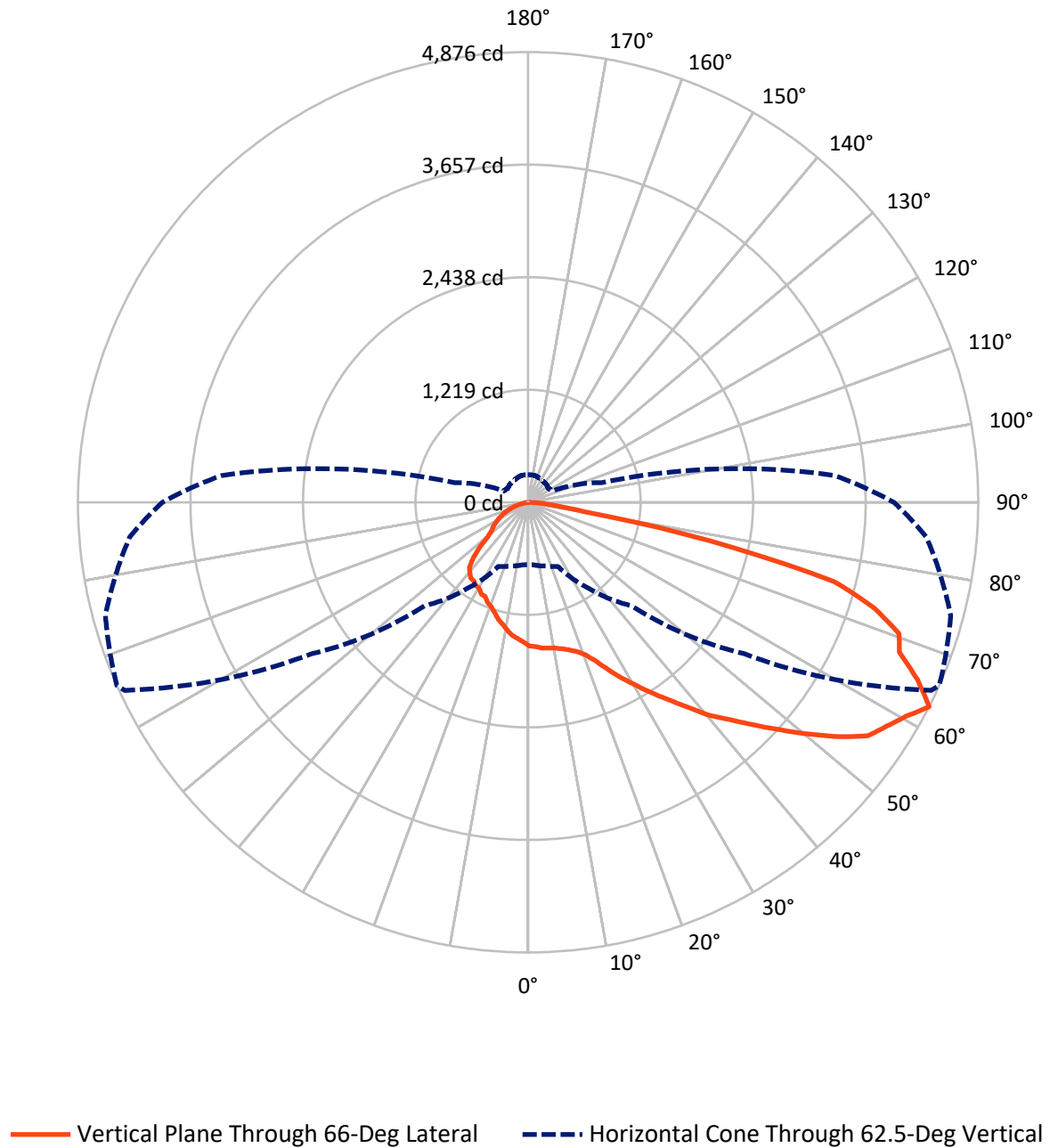
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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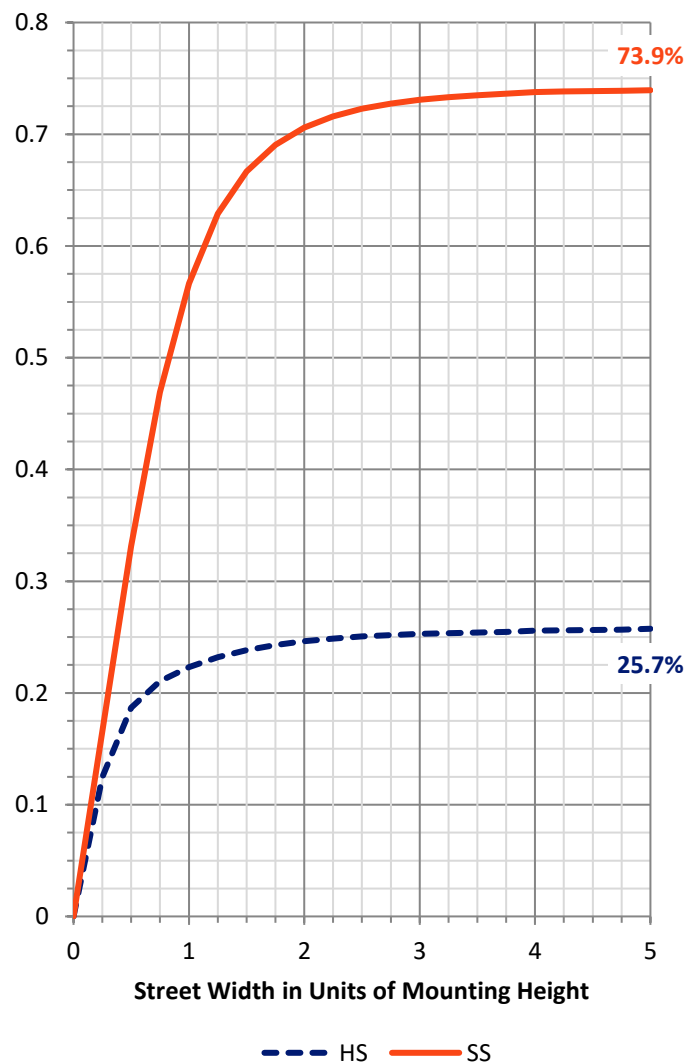
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1923.1	0.0	1923.1
	% Fixture	26.1	0.0	26.1
Street Side	Lumens	5436.9	0.0	5436.9
	% Fixture	73.9	0.0	73.9
Total	Lumens	7360.0	0.0	7360.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.6	2.0
10°-20°	413.3	5.6
20°-30°	671.1	9.1
30°-40°	968.0	13.2
40°-50°	1259.1	17.1
50°-60°	1462.4	19.9
60°-70°	1446.9	19.7
70°-80°	896.2	12.2
80°-90°	97.3	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°	7360.0	100.0
0°-180°	7360.0	100.0

Coefficient of Utilization



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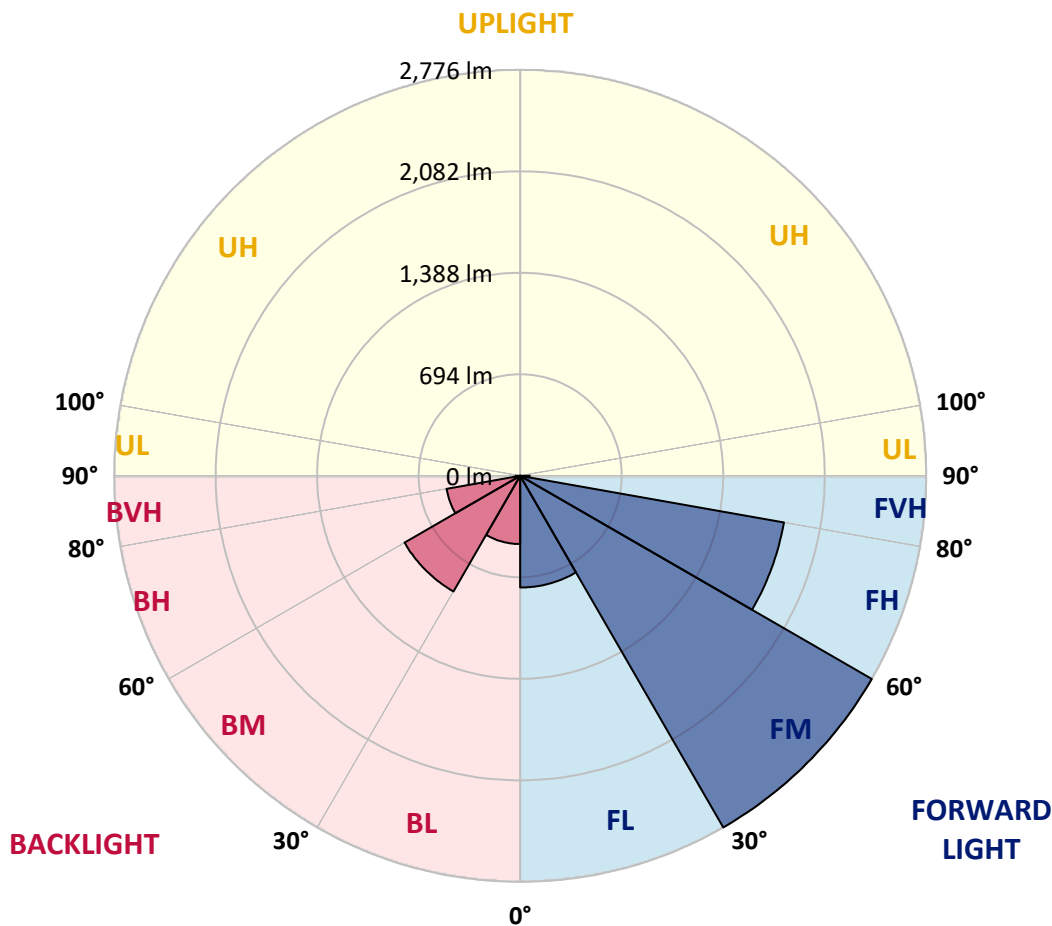
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	763.6	10.4			
FM	(30°-60°)	2776.3	37.7			
FH	(60°-80°)	1831.7	24.9			G2/5000
FVH	(80°-90°)	65.3	0.9			G1/100
BL	(0°-30°)	466.5	6.3	B1/500		
BM	(30°-60°)	913.2	12.4	B1/1000		
BH	(60°-80°)	511.4	6.9	B2/1000		G2/1000
BVH	(80°-90°)	32.1	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°	1556.8	1556.8	1556.8	1556.8	1556.8	1556.8	1556.8	1556.8	1556.8	1556.8	1556.8
2.5°	1612.5	1612.5	1617.6	1599.9	1589.7	1582.1	1574.5	1566.9	1564.4	1556.8	1546.7
5°	1683.4	1683.4	1685.9	1668.2	1648.0	1625.2	1602.4	1587.2	1587.2	1569.5	1544.2
7.5°	1721.4	1721.4	1721.4	1701.1	1688.5	1673.3	1637.8	1594.8	1592.3	1574.5	1539.1
10°	1721.4	1721.4	1731.5	1701.1	1691.0	1675.8	1655.5	1610.0	1604.9	1564.4	1516.3
12.5°	1751.7	1756.8	1751.7	1718.8	1708.7	1696.0	1668.2	1630.2	1627.7	1574.5	1506.2
15°	1794.8	1797.3	1789.7	1766.9	1756.8	1736.5	1703.6	1663.1	1658.1	1594.8	1513.8
17.5°	1804.9	1807.4	1812.5	1784.6	1784.6	1777.1	1759.3	1711.2	1698.6	1642.9	1536.6
20°	1799.8	1802.4	1810.0	1804.9	1807.4	1802.4	1815.0	1774.5	1759.3	1698.6	1572.0
22.5°	1822.6	1827.7	1842.9	1845.4	1855.5	1865.7	1870.7	1873.2	1863.1	1792.2	1645.4
25°	1830.2	1845.4	1865.7	1893.5	1928.9	1949.2	1977.0	2004.9	2002.3	1931.5	1766.9
27.5°	1794.8	1812.5	1875.8	1918.8	1997.3	2053.0	2116.3	2154.2	2154.2	2096.0	1906.2
30°	1827.7	1835.3	1868.2	1928.9	2020.1	2146.6	2245.4	2293.5	2298.5	2260.6	2042.9
32.5°	1759.3	1777.1	1858.1	1974.5	2113.7	2253.0	2351.7	2455.5	2460.5	2447.9	2242.8
35°	1751.7	1761.9	1807.4	1931.5	2111.2	2351.7	2483.3	2615.0	2627.6	2642.8	2437.8
37.5°	1673.3	1693.5	1782.1	1936.5	2182.1	2417.5	2594.7	2797.2	2817.5	2865.6	2604.8
40°	1589.7	1604.9	1678.3	1845.4	2159.3	2501.0	2703.5	3012.4	3037.7	3078.2	2835.2
42.5°	1475.8	1506.2	1632.8	1807.4	2149.2	2526.4	2825.1	3209.8	3220.0	3290.8	3017.4
45°	1369.5	1379.6	1475.8	1675.8	2060.6	2564.3	2916.2	3432.6	3440.2	3485.8	3169.3
47.5°	1283.4	1296.1	1394.8	1564.4	1979.6	2554.2	3007.3	3647.8	3683.2	3733.8	3354.1
50°	1017.6	1045.5	1306.2	1468.2	1840.3	2536.5	3080.7	3906.0	3946.5	3994.6	3551.6
52.5°	878.4	891.1	1022.7	1372.0	1703.6	2460.5	3149.1	4169.2	4217.3	4192.0	3802.2
55°	817.6	825.2	886.0	1182.2	1582.1	2316.2	3199.7	4414.8	4465.4	4343.9	3999.6
57.5°	774.6	784.7	820.2	967.0	1445.4	2063.1	3204.8	4559.1	4576.8	4470.5	4080.6
60°	716.4	724.0	774.6	845.5	1286.0	1797.3	3113.6	4622.4	4705.9	4604.6	4262.9
62.5°	673.4	681.0	713.9	767.0	1131.5	1584.7	2860.5	4819.8	4875.5	4738.8	4331.2
65°	622.7	622.7	655.6	708.8	1032.8	1455.6	2728.9	4756.5	4635.0	4700.8	4414.8
67.5°	549.3	554.4	587.3	630.3	865.7	1331.5	2404.8	4462.9	4336.3	4518.6	4194.6
70°	488.6	483.5	518.9	551.8	708.8	1174.6	1992.2	4159.1	4262.9	4242.6	3992.0
72.5°	407.6	402.5	432.9	468.3	572.1	974.6	1574.5	3860.4	3921.2	3794.6	3541.4
75°	316.4	286.0	329.1	374.6	450.6	772.1	1116.4	3197.2	3425.0	3576.9	3020.0
77.5°	50.6	50.6	63.3	88.6	146.8	392.4	498.7	1756.8	2015.0	3045.3	2647.9
80°	40.5	40.5	45.6	60.8	88.6	215.2	167.1	544.3	607.5	1313.8	1523.9
82.5°	22.8	22.8	32.9	40.5	55.7	65.8	73.4	265.8	296.2	465.8	589.8
85°	12.7	12.7	17.7	20.3	22.8	22.8	22.8	121.5	136.7	248.1	268.3
87.5°	7.6	7.6	7.6	7.6	7.6	5.1	2.5	2.5	2.5	2.5	2.5
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°	1556.8	1556.8	1556.8	1556.8	1556.8	1556.8	1556.8	1556.8	1556.8	1556.8	1556.8
2.5°	1541.6	1534.0	1521.4	1511.3	1503.7	1496.1	1483.4	1475.8	1475.8	1488.5	1491.0
5°	1529.0	1511.3	1488.5	1478.3	1465.7	1453.0	1432.8	1422.7	1420.1	1427.7	1432.8
7.5°	1518.8	1493.5	1470.8	1445.4	1407.5	1374.6	1356.8	1344.2	1349.2	1361.9	1356.8
10°	1488.5	1465.7	1430.2	1392.3	1346.7	1318.9	1291.0	1275.8	1278.4	1286.0	1278.4
12.5°	1475.8	1445.4	1387.2	1341.6	1301.1	1248.0	1212.5	1189.8	1189.8	1202.4	1202.4
15°	1475.8	1430.2	1351.8	1296.1	1232.8	1179.6	1139.1	1118.9	1131.5	1123.9	1118.9
17.5°	1488.5	1417.6	1329.0	1235.3	1159.4	1106.2	1058.1	1030.3	1037.9	1042.9	1037.9
20°	1503.7	1417.6	1301.1	1187.2	1098.6	1022.7	969.5	939.2	936.6	939.2	944.2
22.5°	1554.3	1450.5	1283.4	1156.9	1022.7	949.3	896.1	843.0	840.4	837.9	843.0
25°	1640.4	1511.3	1296.1	1101.2	979.7	870.8	805.0	759.4	744.2	741.7	746.8
27.5°	1782.1	1617.6	1316.3	1093.6	901.2	802.5	721.5	670.8	655.6	660.7	658.2
30°	1936.5	1754.3	1374.6	1040.4	855.6	701.2	625.3	582.2	567.0	556.9	559.4
32.5°	2050.4	1891.0	1448.0	1022.7	767.0	592.4	536.7	511.3	493.6	481.0	478.4
35°	2230.2	2007.4	1513.8	982.2	688.5	521.5	475.9	448.1	437.9	430.3	430.3
37.5°	2402.3	2149.2	1579.6	969.5	587.3	473.4	417.7	400.0	394.9	389.8	389.8
40°	2574.4	2293.5	1617.6	918.9	506.3	415.2	362.0	359.5	367.1	362.0	364.5
42.5°	2787.1	2442.8	1655.5	870.8	448.1	354.4	324.0	344.3	359.5	362.0	362.0
45°	2933.9	2544.1	1670.7	754.4	387.3	308.8	316.4	339.2	356.9	364.5	362.0
47.5°	3068.1	2680.8	1648.0	612.6	336.7	301.2	313.9	329.1	354.4	364.5	364.5
50°	3199.7	2794.7	1627.7	453.1	319.0	303.8	313.9	321.5	349.3	359.5	359.5
52.5°	3384.5	2885.8	1559.4	379.7	303.8	306.3	321.5	319.0	341.7	356.9	362.0
55°	3640.2	3098.5	1427.7	359.5	301.2	303.8	321.5	321.5	336.7	349.3	356.9
57.5°	3754.1	3189.6	1205.0	339.2	293.6	301.2	313.9	316.4	334.1	341.7	339.2
60°	3883.2	3303.5	987.3	316.4	281.0	296.2	301.2	311.4	324.0	324.0	321.5
62.5°	3961.7	3331.3	822.7	291.1	265.8	278.5	278.5	288.6	298.7	298.7	298.7
65°	3999.6	3303.5	615.1	268.3	248.1	258.2	255.7	260.7	268.3	255.7	255.7
67.5°	3850.3	3199.7	425.3	238.0	227.8	238.0	235.4	238.0	235.4	225.3	227.8
70°	3594.6	2908.6	293.6	202.5	200.0	217.7	220.2	215.2	200.0	192.4	192.4
72.5°	3273.1	2334.0	202.5	162.0	169.6	192.4	197.5	187.3	172.1	164.5	164.5
75°	2969.3	2017.5	144.3	111.4	113.9	146.8	156.9	156.9	151.9	202.5	215.2
77.5°	2065.6	1306.2	83.5	58.2	55.7	83.5	96.2	98.7	189.9	205.0	200.0
80°	1225.2	615.1	60.8	35.4	35.4	48.1	65.8	129.1	217.7	146.8	131.6
82.5°	468.3	235.4	38.0	22.8	20.3	25.3	38.0	200.0	126.6	83.5	75.9
85°	169.6	58.2	17.7	12.7	12.7	15.2	22.8	169.6	88.6	63.3	60.8
87.5°	2.5	2.5	5.1	5.1	5.1	2.5	2.5	5.1	5.1	5.1	2.5
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)