

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: P690933

Luminaire Tested: **CRTK2-C01-D-U-T2-7040-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690933
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01-D-U-T2-7040-U0-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE II OPTIC AND U0 SHIELD WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7651 lumens
Efficiency: N/A
Efficacy: 125.4 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - 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



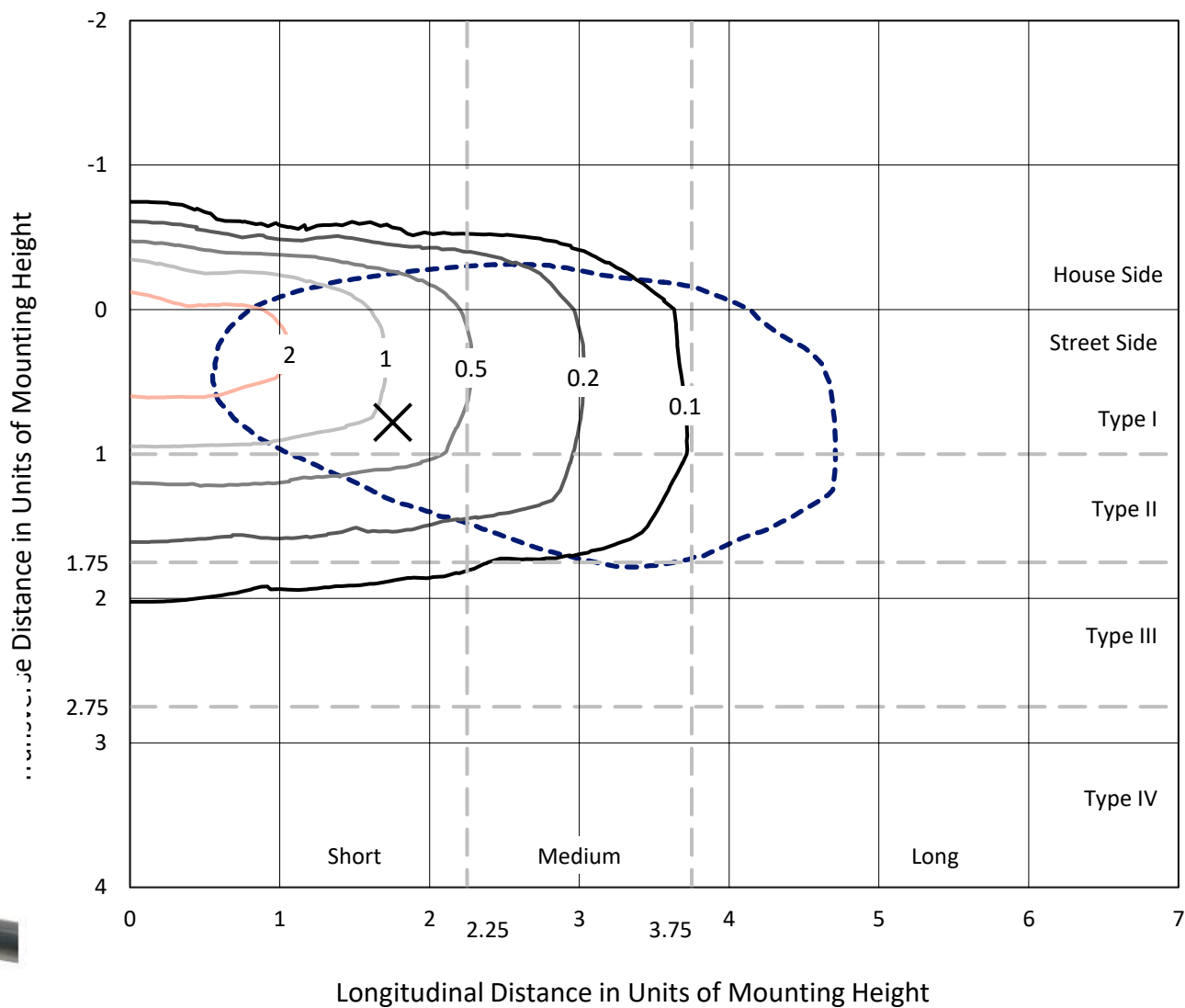
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

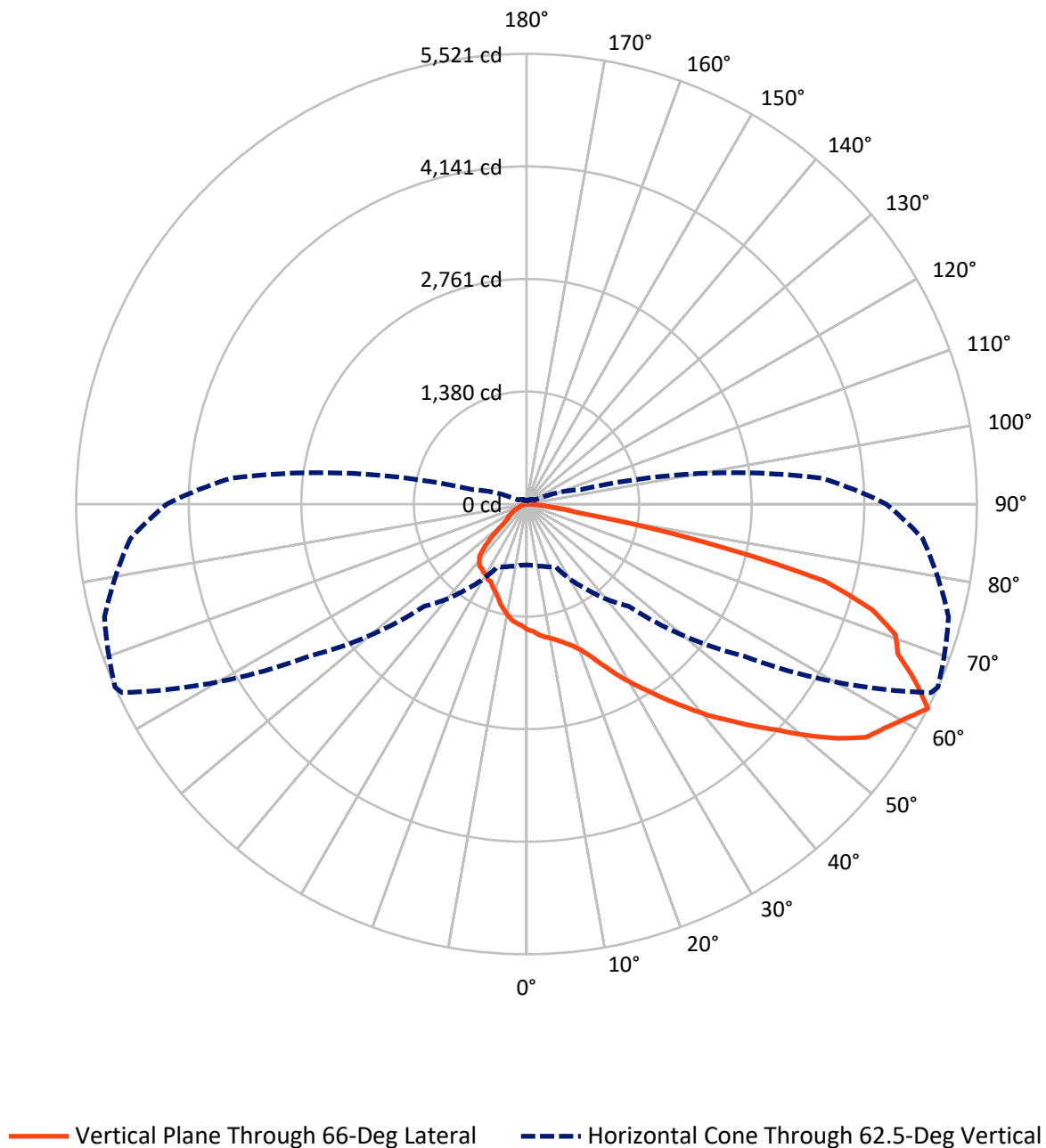


Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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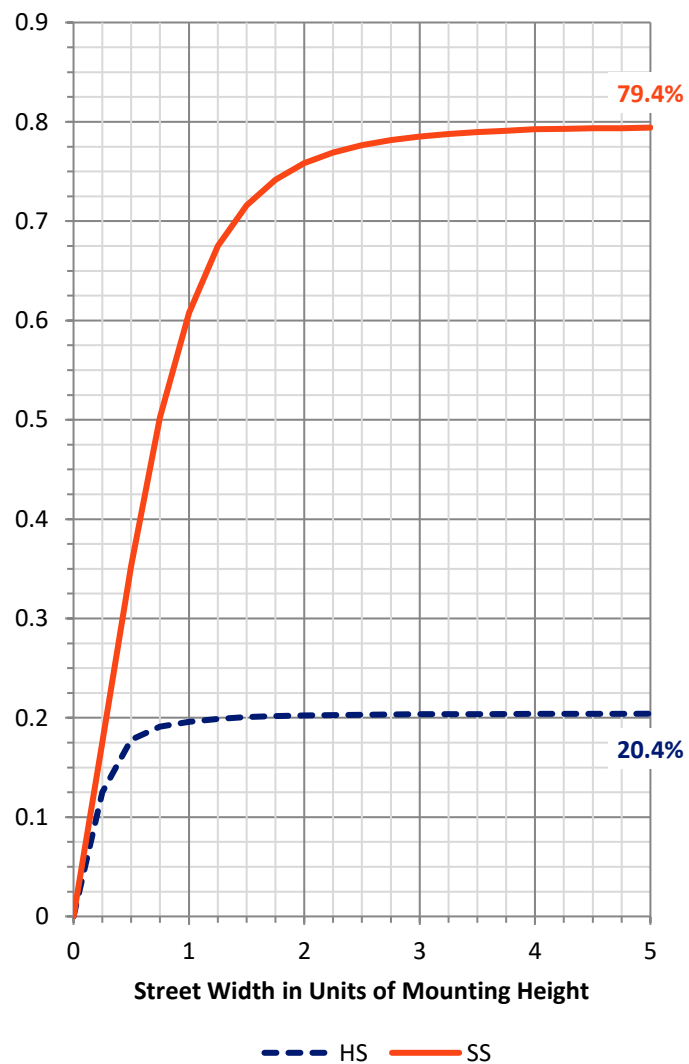
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1580.5	0.0	1580.5
	% Fixture	20.7	0.0	20.7
Street Side	Lumens	6070.5	0.0	6070.5
	% Fixture	79.3	0.0	79.3
Total	Lumens	7651.0	0.0	7651.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.4	1.9
10°-20°	414.1	5.4
20°-30°	679.4	8.9
30°-40°	999.8	13.1
40°-50°	1318.5	17.2
50°-60°	1534.9	20.1
60°-70°	1525.2	19.9
70°-80°	943.5	12.3
80°-90°	90.2	1.2
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°	7651.0	100.0
0°-180°	7651.0	100.0

Coefficient of Utilization



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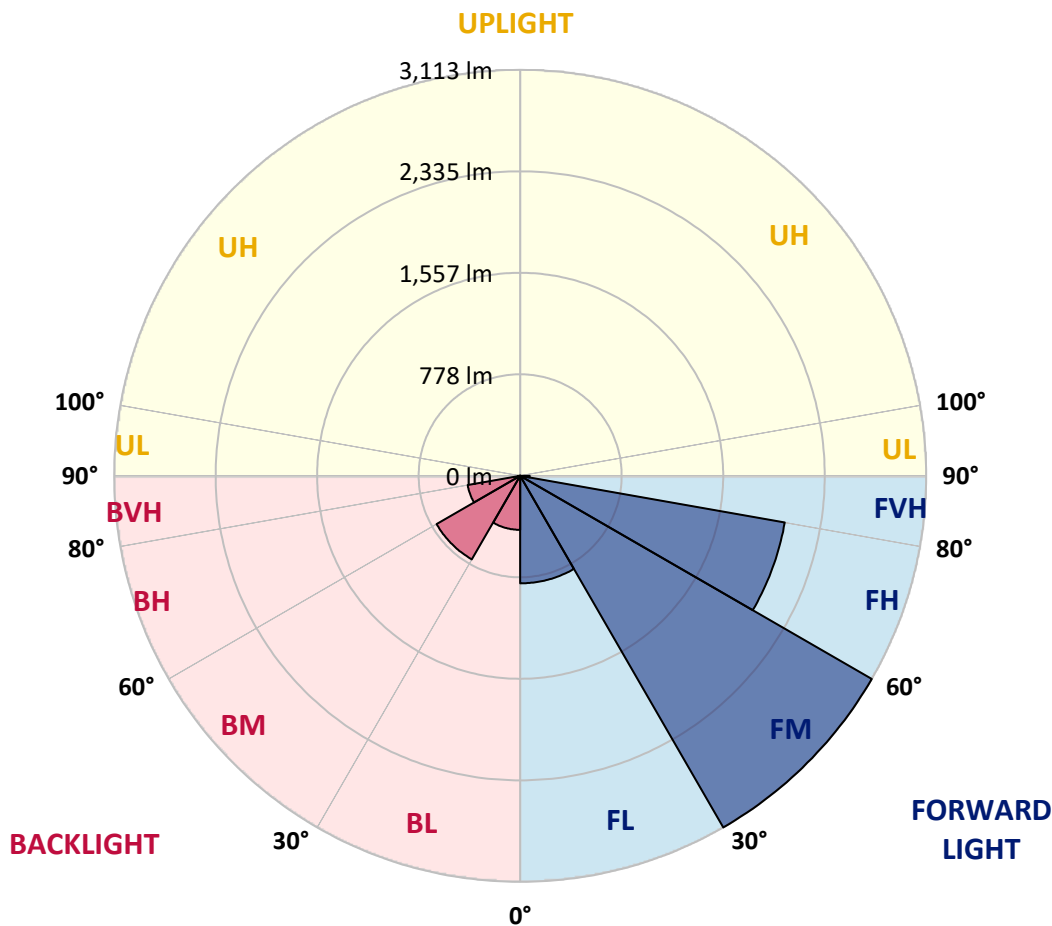
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	824.4	10.8			
FM	(30°-60°)	3113.1	40.7			
FH	(60°-80°)	2060.1	26.9			G2/5000
FVH	(80°-90°)	72.9	1.0			G1/100
BL	(0°-30°)	414.5	5.4	B1/500		
BM	(30°-60°)	740.1	9.7	B1/1000		
BH	(60°-80°)	408.6	5.3	B1/500		G1/500
BVH	(80°-90°)	17.4	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1539.6	1539.6	1539.6	1539.6	1539.6	1539.6	1539.6	1539.6	1539.6	1539.6	1539.6
2.5°	1626.1	1626.1	1623.3	1603.1	1594.4	1582.9	1574.2	1565.6	1562.7	1554.1	1539.6
5°	1721.3	1718.4	1718.4	1701.1	1683.8	1660.7	1637.7	1614.6	1611.7	1588.7	1556.9
7.5°	1776.1	1776.1	1770.3	1758.8	1747.2	1732.8	1698.2	1649.2	1646.3	1614.6	1571.4
10°	1790.5	1793.4	1804.9	1776.1	1767.4	1753.0	1735.7	1683.8	1675.2	1629.0	1559.8
12.5°	1842.4	1842.4	1839.5	1813.6	1804.9	1793.4	1764.5	1724.2	1715.5	1657.9	1562.7
15°	1905.8	1908.7	1900.1	1877.0	1865.5	1851.0	1813.6	1770.3	1767.4	1692.5	1585.8
17.5°	1937.5	1937.5	1943.3	1911.6	1914.5	1908.7	1891.4	1830.9	1828.0	1758.8	1626.1
20°	1949.1	1952.0	1954.8	1954.8	1957.7	1952.0	1969.3	1917.4	1908.7	1830.9	1680.9
22.5°	2001.0	2006.7	2021.1	2012.5	2026.9	2035.6	2041.3	2044.2	2032.7	1952.0	1773.2
25°	2024.0	2038.4	2058.6	2090.3	2113.4	2130.7	2174.0	2194.1	2191.3	2122.1	1926.0
27.5°	1989.4	2006.7	2075.9	2130.7	2211.4	2257.6	2338.3	2364.3	2372.9	2309.5	2090.3
30°	2035.6	2041.3	2073.0	2142.2	2243.2	2381.6	2491.1	2548.8	2548.8	2499.8	2251.8
32.5°	1963.5	1980.8	2073.0	2199.9	2355.6	2505.5	2609.3	2733.3	2733.3	2710.2	2482.5
35°	1954.8	1963.5	2018.3	2159.5	2358.5	2632.4	2770.8	2917.8	2938.0	2940.9	2710.2
37.5°	1874.1	1891.4	1989.4	2171.1	2445.0	2710.2	2903.4	3131.2	3154.3	3186.0	2900.5
40°	1784.7	1790.5	1877.0	2067.3	2424.8	2811.2	3030.3	3370.5	3396.5	3439.7	3154.3
42.5°	1652.1	1675.2	1819.3	2026.9	2416.2	2842.9	3171.6	3595.4	3624.2	3684.8	3364.7
45°	1533.9	1542.5	1649.2	1879.9	2321.0	2889.0	3281.1	3860.7	3878.0	3915.4	3540.6
47.5°	1438.7	1444.5	1551.2	1750.1	2231.6	2877.5	3387.8	4100.0	4140.3	4198.0	3748.2
50°	1153.3	1185.0	1450.3	1643.4	2075.9	2857.3	3471.4	4399.8	4460.4	4483.4	3987.5
52.5°	983.2	988.9	1127.3	1536.8	1914.5	2770.8	3552.1	4705.4	4774.6	4711.2	4275.8
55°	911.1	916.9	980.3	1323.4	1779.0	2603.6	3612.7	4999.5	5048.5	4892.9	4492.1
57.5°	865.0	876.5	905.3	1075.4	1617.5	2323.9	3624.2	5161.0	5181.2	5037.0	4601.6
60°	801.5	801.5	859.2	939.9	1441.6	2024.0	3529.1	5241.7	5339.8	5201.4	4803.5
62.5°	746.8	752.5	790.0	850.6	1268.6	1770.3	3249.4	5472.4	5521.4	5357.1	4875.6
65°	683.3	689.1	723.7	784.2	1153.3	1629.0	3099.5	5380.1	5236.0	5316.7	4964.9
67.5°	611.2	614.1	648.7	703.5	968.8	1502.2	2739.1	5028.4	4910.2	5126.4	4717.0
70°	539.2	539.2	568.0	611.2	790.0	1317.6	2263.3	4708.3	4797.7	4809.2	4471.9
72.5°	449.8	452.7	481.5	519.0	634.3	1101.4	1790.5	4388.3	4428.7	4275.8	3932.7
75°	322.9	334.5	366.2	403.7	501.7	873.6	1271.5	3566.6	3777.0	4048.1	3379.2
77.5°	49.0	49.0	60.5	92.3	164.3	438.3	588.2	1969.3	2185.5	3387.8	2952.4
80°	40.4	40.4	43.2	60.5	95.1	245.1	190.3	617.0	663.1	1556.9	1663.6
82.5°	20.2	20.2	31.7	43.2	57.7	72.1	80.7	297.0	343.1	530.5	663.1
85°	11.5	11.5	14.4	20.2	23.1	23.1	25.9	141.3	147.0	288.3	299.9
87.5°	2.9	2.9	5.8	5.8	5.8	2.9	2.9	2.9	2.9	2.9	2.9
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°	1539.6	1539.6	1539.6	1539.6	1539.6	1539.6	1539.6	1539.6	1539.6	1539.6	1539.6
2.5°	1533.9	1525.2	1507.9	1493.5	1484.9	1467.6	1453.2	1441.6	1435.9	1450.3	1453.2
5°	1536.8	1516.6	1484.9	1464.7	1441.6	1412.8	1378.2	1358.0	1349.4	1352.2	1360.9
7.5°	1542.5	1513.7	1476.2	1433.0	1372.4	1314.8	1274.4	1251.3	1239.8	1254.2	1254.2
10°	1525.2	1493.5	1441.6	1375.3	1297.5	1239.8	1193.7	1153.3	1138.9	1144.6	1147.5
12.5°	1525.2	1482.0	1395.5	1314.8	1242.7	1147.5	1078.3	1040.8	1026.4	1029.3	1035.1
15°	1533.9	1476.2	1355.1	1257.1	1150.4	1049.5	988.9	942.8	928.4	914.0	919.8
17.5°	1562.7	1467.6	1334.9	1179.2	1061.0	965.9	882.3	830.4	818.8	818.8	821.7
20°	1591.5	1479.1	1300.3	1121.6	980.3	862.1	775.6	738.1	712.2	700.6	712.2
22.5°	1652.1	1519.5	1277.3	1084.1	896.7	784.2	703.5	619.9	573.8	553.6	559.3
25°	1761.7	1591.5	1294.6	1017.8	850.6	712.2	599.7	498.8	435.4	415.2	421.0
27.5°	1931.8	1709.8	1314.8	1012.0	766.9	640.1	487.3	377.7	328.7	308.5	314.3
30°	2099.0	1871.2	1381.1	954.4	735.2	524.7	369.1	291.2	242.2	222.0	227.8
32.5°	2243.2	2026.9	1464.7	939.9	651.6	395.0	276.8	216.2	178.8	161.5	164.3
35°	2456.5	2159.5	1536.8	896.7	553.6	297.0	201.8	155.7	135.5	129.7	129.7
37.5°	2646.8	2315.2	1606.0	882.3	415.2	222.0	144.2	126.9	124.0	115.3	115.3
40°	2845.8	2479.6	1637.7	830.4	302.7	155.7	118.2	118.2	115.3	106.7	106.7
42.5°	3079.3	2646.8	1666.5	769.8	216.2	118.2	109.6	112.4	109.6	100.9	98.0
45°	3246.5	2750.6	1675.2	617.0	149.9	112.4	103.8	106.7	103.8	98.0	95.1
47.5°	3399.3	2900.5	1637.7	432.5	121.1	106.7	100.9	100.9	100.9	92.3	89.4
50°	3557.9	3024.5	1606.0	233.5	118.2	103.8	95.1	92.3	95.1	89.4	86.5
52.5°	3768.4	3119.7	1522.3	158.6	115.3	100.9	92.3	86.5	89.4	83.6	86.5
55°	4048.1	3370.5	1369.5	149.9	115.3	98.0	89.4	80.7	80.7	77.8	77.8
57.5°	4174.9	3465.6	1124.5	144.2	112.4	98.0	83.6	75.0	69.2	66.3	63.4
60°	4330.6	3604.0	867.9	132.6	103.8	92.3	75.0	66.3	57.7	54.8	54.8
62.5°	4411.4	3635.8	686.2	118.2	95.1	80.7	66.3	54.8	46.1	40.4	40.4
65°	4457.5	3618.5	478.6	106.7	83.6	72.1	57.7	46.1	34.6	31.7	28.8
67.5°	4301.8	3514.7	279.7	92.3	72.1	63.4	49.0	37.5	28.8	25.9	23.1
70°	3990.4	3197.5	175.9	80.7	63.4	54.8	43.2	31.7	23.1	20.2	20.2
72.5°	3655.9	2577.6	121.1	63.4	49.0	43.2	31.7	25.9	20.2	14.4	14.4
75°	3289.8	2237.4	89.4	46.1	34.6	31.7	25.9	20.2	17.3	11.5	11.5
77.5°	2332.5	1482.0	72.1	34.6	23.1	20.2	17.3	14.4	11.5	11.5	8.6
80°	1378.2	723.7	54.8	23.1	17.3	14.4	11.5	11.5	8.6	8.6	8.6
82.5°	516.1	276.8	37.5	17.3	11.5	11.5	8.6	8.6	5.8	5.8	5.8
85°	187.4	69.2	17.3	8.6	8.6	5.8	5.8	5.8	5.8	5.8	5.8
87.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
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)