

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: P690941

Luminaire Tested: **CRTK2-C01-D-U-T2-7050-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690941
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-T2-7050-U0-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K 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: 7741 lumens
Efficiency: N/A
Efficacy: 126.9 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

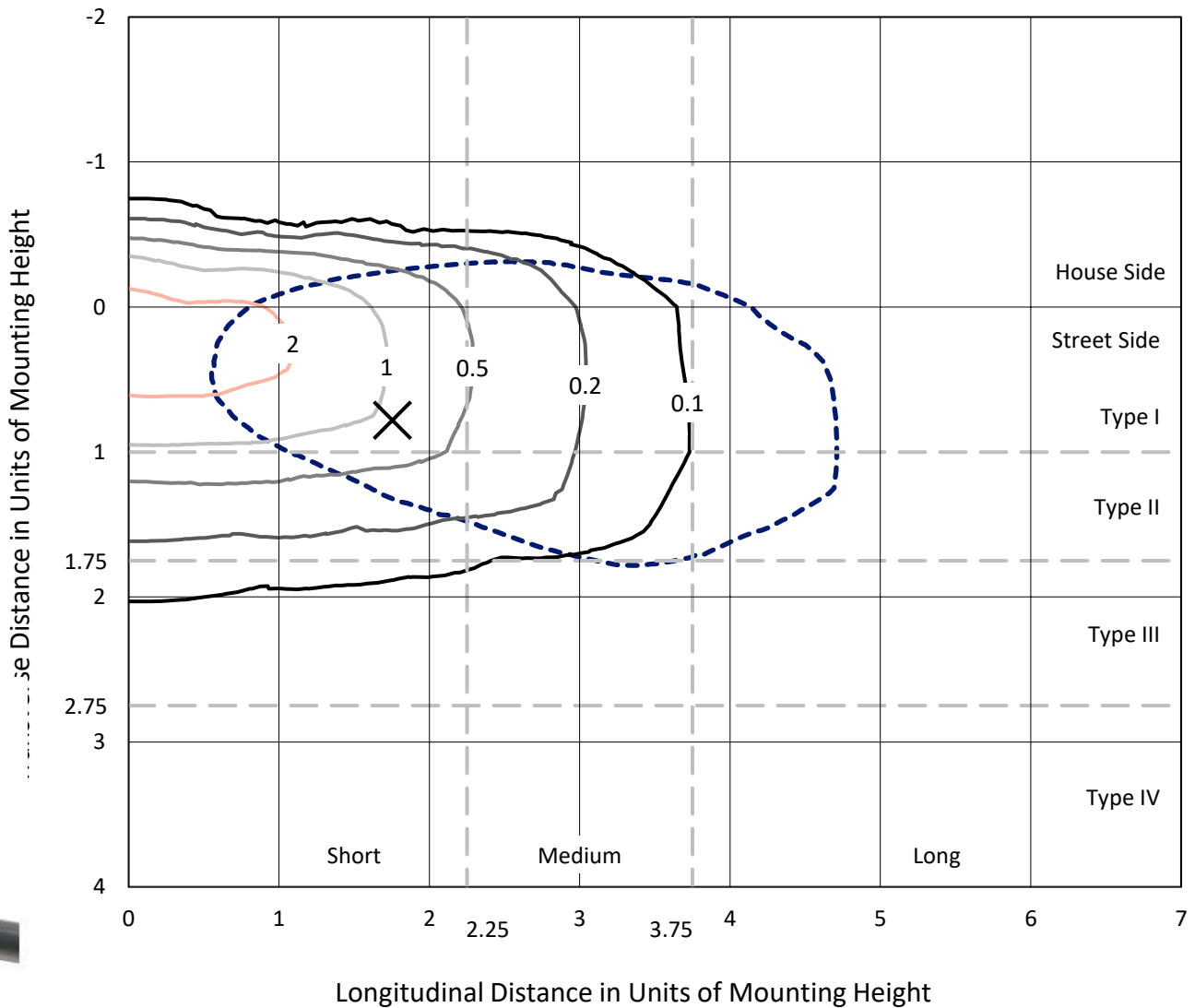
Input Watts (W): 61
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

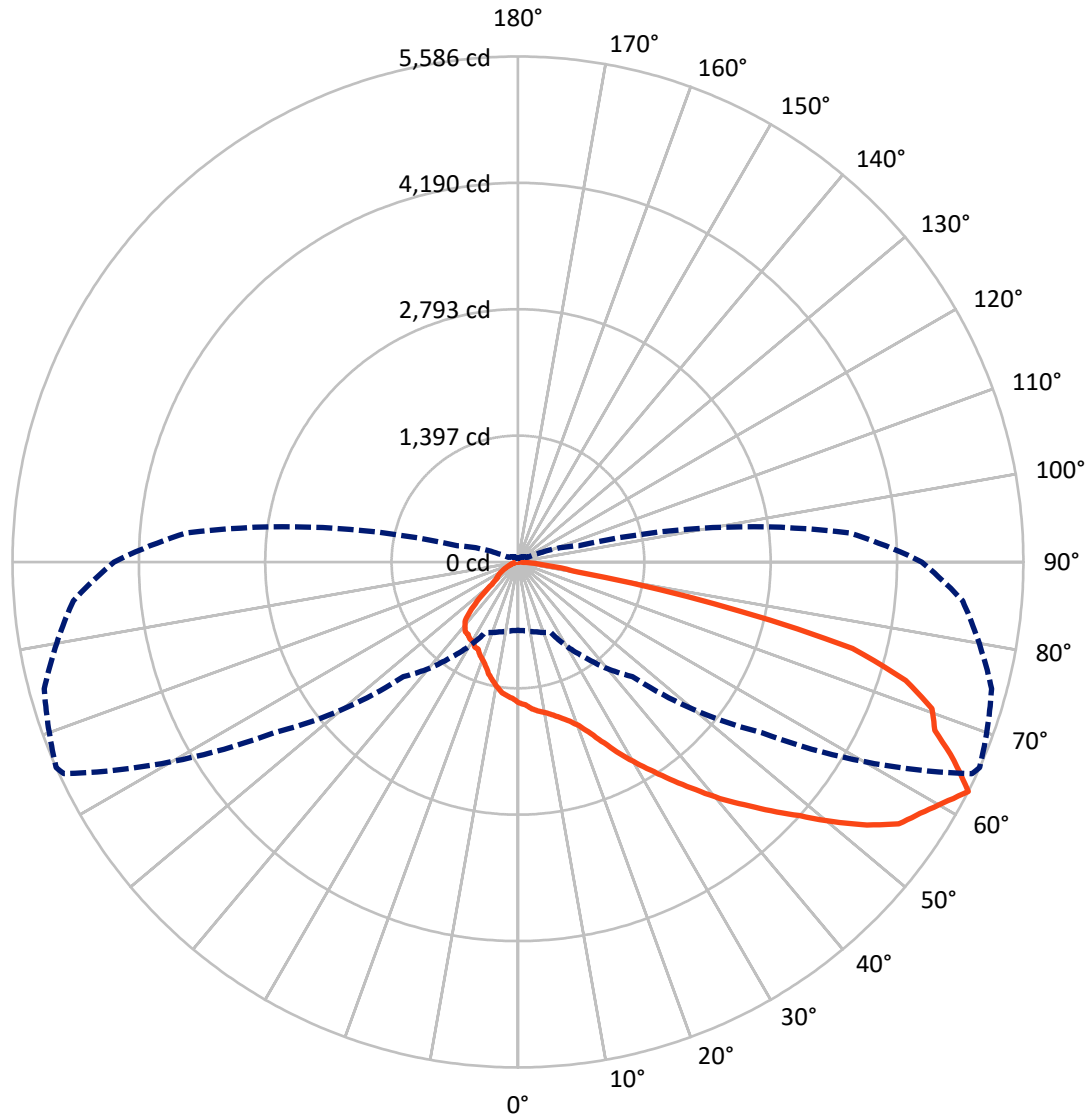
✕ Max cd
 - - - 1/2 Max cd



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



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

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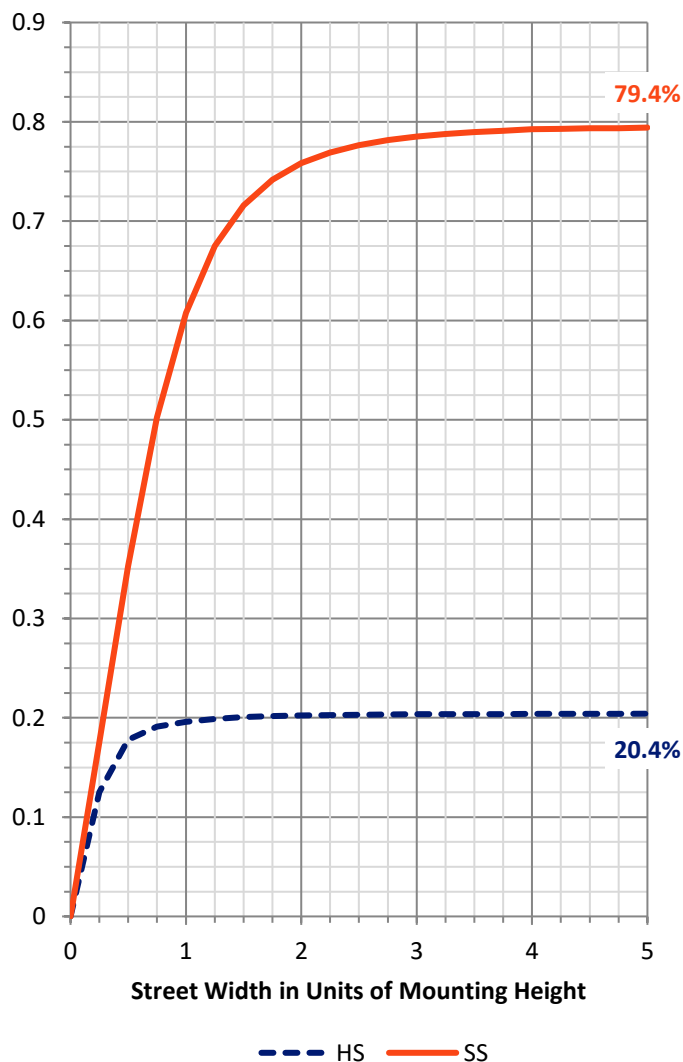
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1599.1	0.0	1599.1
	% Fixture	20.7	0.0	20.7
Street Side	Lumens	6141.9	0.0	6141.9
	% Fixture	79.3	0.0	79.3
Total	Lumens	7741.0	0.0	7741.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.1	1.9
10°-20°	419.0	5.4
20°-30°	687.4	8.9
30°-40°	1011.5	13.1
40°-50°	1334.0	17.2
50°-60°	1552.9	20.1
60°-70°	1543.1	19.9
70°-80°	954.6	12.3
80°-90°	91.3	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°	7741.0	100.0
0°-180°	7741.0	100.0

Coefficient of Utilization



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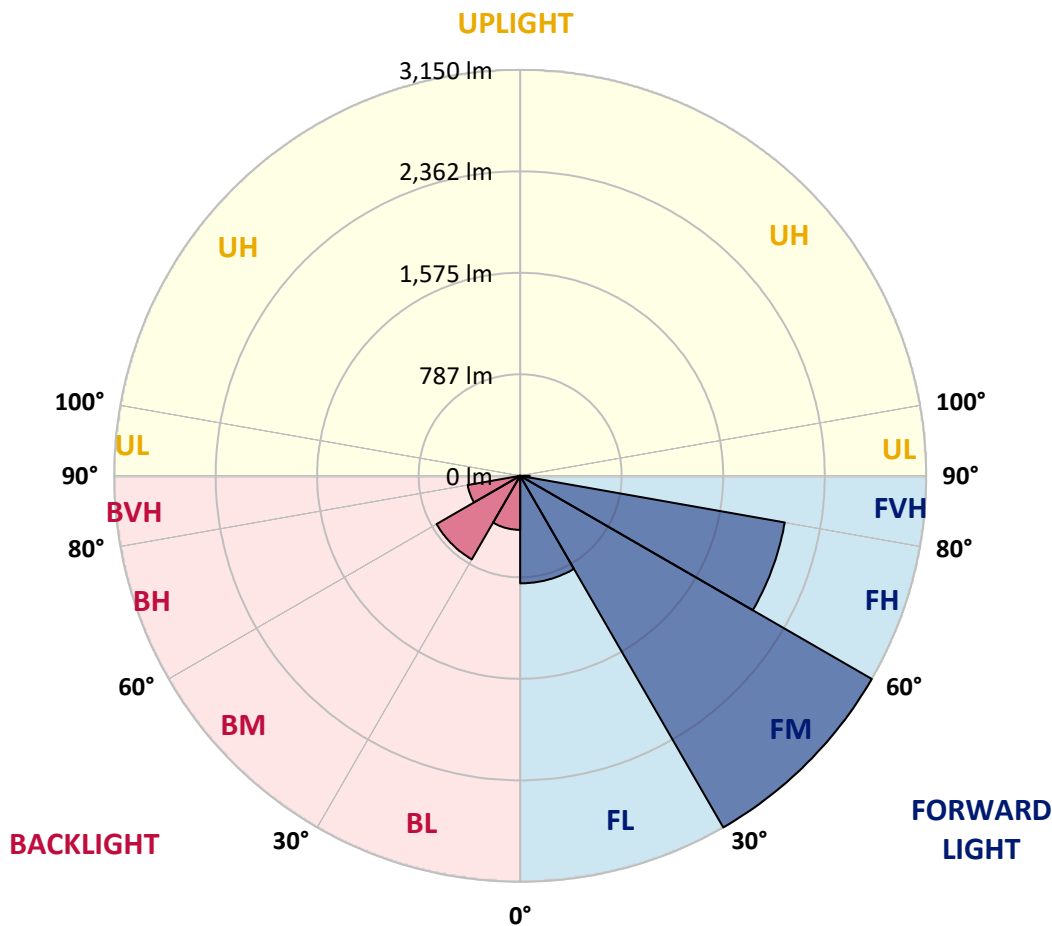
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	834.1	10.8			
FM (30°-60°)	3149.7	40.7			
FH (60°-80°)	2084.3	26.9			G2/5000
FVH (80°-90°)	73.7	1.0			G1/100
BL (0°-30°)	419.4	5.4	B1/500		
BM (30°-60°)	748.8	9.7	B1/1000		
BH (60°-80°)	413.4	5.3	B1/500		G1/500
BVH (80°-90°)	17.6	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°	1557.8	1557.8	1557.8	1557.8	1557.8	1557.8	1557.8	1557.8	1557.8	1557.8	1557.8
2.5°	1645.3	1645.3	1642.4	1621.9	1613.2	1601.5	1592.8	1584.0	1581.1	1572.3	1557.8
5°	1741.5	1738.6	1738.6	1721.1	1703.6	1680.3	1656.9	1633.6	1630.7	1607.4	1575.3
7.5°	1797.0	1797.0	1791.1	1779.5	1767.8	1753.2	1718.2	1668.6	1665.7	1633.6	1589.8
10°	1811.6	1814.5	1826.1	1797.0	1788.2	1773.6	1756.1	1703.6	1694.9	1648.2	1578.2
12.5°	1864.1	1864.1	1861.1	1834.9	1826.1	1814.5	1785.3	1744.5	1735.7	1677.4	1581.1
15°	1928.2	1931.2	1922.4	1899.1	1887.4	1872.8	1834.9	1791.1	1788.2	1712.4	1604.4
17.5°	1960.3	1960.3	1966.2	1934.1	1937.0	1931.2	1913.7	1852.4	1849.5	1779.5	1645.3
20°	1972.0	1974.9	1977.8	1977.8	1980.7	1974.9	1992.4	1939.9	1931.2	1852.4	1700.7
22.5°	2024.5	2030.3	2044.9	2036.2	2050.8	2059.5	2065.3	2068.3	2056.6	1974.9	1794.0
25°	2047.8	2062.4	2082.8	2114.9	2138.3	2155.8	2199.5	2220.0	2217.0	2147.0	1948.7
27.5°	2012.8	2030.3	2100.3	2155.8	2237.5	2284.1	2365.8	2392.1	2400.8	2336.6	2114.9
30°	2059.5	2065.3	2097.4	2167.4	2269.5	2409.6	2520.4	2578.8	2578.8	2529.2	2278.3
32.5°	1986.6	2004.1	2097.4	2225.8	2383.3	2535.0	2640.0	2765.5	2765.5	2742.1	2511.7
35°	1977.8	1986.6	2042.0	2184.9	2386.2	2663.4	2803.4	2952.2	2972.6	2975.5	2742.1
37.5°	1896.1	1913.7	2012.8	2196.6	2473.7	2742.1	2937.6	3168.0	3191.4	3223.5	2934.7
40°	1805.7	1811.6	1899.1	2091.6	2453.3	2844.2	3065.9	3410.2	3436.4	3480.2	3191.4
42.5°	1671.5	1694.9	1840.7	2050.8	2444.6	2876.3	3208.9	3637.7	3666.9	3728.1	3404.3
45°	1551.9	1560.7	1668.6	1902.0	2348.3	2923.0	3319.7	3906.1	3923.6	3961.5	3582.3
47.5°	1455.7	1461.5	1569.4	1770.7	2257.9	2911.3	3427.7	4148.2	4189.0	4247.4	3792.3
50°	1166.9	1198.9	1467.3	1662.8	2100.3	2890.9	3512.3	4451.6	4512.8	4536.2	4034.4
52.5°	994.7	1000.6	1140.6	1554.8	1937.0	2803.4	3593.9	4760.8	4830.8	4766.6	4326.1
55°	921.8	927.7	991.8	1339.0	1799.9	2634.2	3655.2	5058.3	5107.9	4950.4	4544.9
57.5°	875.1	886.8	916.0	1088.1	1636.5	2351.2	3666.9	5221.7	5242.1	5096.3	4655.8
60°	811.0	811.0	869.3	951.0	1458.6	2047.8	3570.6	5303.4	5402.6	5262.5	4860.0
62.5°	755.5	761.4	799.3	860.6	1283.5	1791.1	3287.6	5536.8	5586.3	5420.1	4932.9
65°	691.4	697.2	732.2	793.5	1166.9	1648.2	3135.9	5443.4	5297.5	5379.2	5023.3
67.5°	618.4	621.4	656.4	711.8	980.2	1519.8	2771.3	5087.5	4967.9	5186.7	4772.5
70°	545.5	545.5	574.7	618.4	799.3	1333.1	2290.0	4763.7	4854.1	4865.8	4524.5
72.5°	455.1	458.0	487.2	525.1	641.8	1114.4	1811.6	4439.9	4480.7	4326.1	3979.0
75°	326.7	338.4	370.5	408.4	507.6	883.9	1286.5	3608.5	3821.5	4095.7	3418.9
77.5°	49.6	49.6	61.3	93.3	166.3	443.4	595.1	1992.4	2211.2	3427.7	2987.2
80°	40.8	40.8	43.8	61.3	96.3	248.0	192.5	624.3	670.9	1575.3	1683.2
82.5°	20.4	20.4	32.1	43.8	58.3	72.9	81.7	300.5	347.1	536.8	670.9
85°	11.7	11.7	14.6	20.4	23.3	23.3	26.3	142.9	148.8	291.7	303.4
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°	1557.8	1557.8	1557.8	1557.8	1557.8	1557.8	1557.8	1557.8	1557.8	1557.8	1557.8
2.5°	1551.9	1543.2	1525.7	1511.1	1502.3	1484.8	1470.2	1458.6	1452.7	1467.3	1470.2
5°	1554.8	1534.4	1502.3	1481.9	1458.6	1429.4	1394.4	1374.0	1365.2	1368.1	1376.9
7.5°	1560.7	1531.5	1493.6	1449.8	1388.6	1330.2	1289.4	1266.0	1254.4	1269.0	1269.0
10°	1543.2	1511.1	1458.6	1391.5	1312.7	1254.4	1207.7	1166.9	1152.3	1158.1	1161.0
12.5°	1543.2	1499.4	1411.9	1330.2	1257.3	1161.0	1091.0	1053.1	1038.5	1041.4	1047.3
15°	1551.9	1493.6	1371.1	1271.9	1163.9	1061.8	1000.6	953.9	939.3	924.7	930.6
17.5°	1581.1	1484.8	1350.6	1193.1	1073.5	977.2	892.6	840.1	828.5	828.5	831.4
20°	1610.3	1496.5	1315.6	1134.8	991.8	872.2	784.7	746.8	720.5	708.9	720.5
22.5°	1671.5	1537.3	1292.3	1096.8	907.2	793.5	711.8	627.2	580.5	560.1	565.9
25°	1782.4	1610.3	1309.8	1029.8	860.6	720.5	606.8	504.7	440.5	420.1	425.9
27.5°	1954.5	1729.9	1330.2	1023.9	776.0	647.6	493.0	382.1	332.6	312.1	318.0
30°	2123.7	1893.2	1397.3	965.6	743.9	530.9	373.4	294.6	245.0	224.6	230.5
32.5°	2269.5	2050.8	1481.9	951.0	659.3	399.6	280.0	218.8	180.9	163.4	166.3
35°	2485.4	2184.9	1554.8	907.2	560.1	300.5	204.2	157.5	137.1	131.3	131.3
37.5°	2677.9	2342.5	1624.9	892.6	420.1	224.6	145.9	128.4	125.4	116.7	116.7
40°	2879.2	2508.8	1656.9	840.1	306.3	157.5	119.6	119.6	116.7	107.9	107.9
42.5°	3115.5	2677.9	1686.1	778.9	218.8	119.6	110.9	113.8	110.9	102.1	99.2
45°	3284.7	2783.0	1694.9	624.3	151.7	113.8	105.0	107.9	105.0	99.2	96.3
47.5°	3439.3	2934.7	1656.9	437.6	122.5	107.9	102.1	102.1	102.1	93.3	90.4
50°	3599.8	3060.1	1624.9	236.3	119.6	105.0	96.3	93.3	96.3	90.4	87.5
52.5°	3812.7	3156.4	1540.3	160.4	116.7	102.1	93.3	87.5	90.4	84.6	87.5
55°	4095.7	3410.2	1385.6	151.7	116.7	99.2	90.4	81.7	81.7	78.8	78.8
57.5°	4224.0	3506.4	1137.7	145.9	113.8	99.2	84.6	75.8	70.0	67.1	64.2
60°	4381.6	3646.4	878.1	134.2	105.0	93.3	75.8	67.1	58.3	55.4	55.4
62.5°	4463.2	3678.5	694.3	119.6	96.3	81.7	67.1	55.4	46.7	40.8	40.8
65°	4509.9	3661.0	484.2	107.9	84.6	72.9	58.3	46.7	35.0	32.1	29.2
67.5°	4352.4	3556.0	283.0	93.3	72.9	64.2	49.6	37.9	29.2	26.3	23.3
70°	4037.3	3235.1	177.9	81.7	64.2	55.4	43.8	32.1	23.3	20.4	20.4
72.5°	3698.9	2607.9	122.5	64.2	49.6	43.8	32.1	26.3	20.4	14.6	14.6
75°	3328.5	2263.7	90.4	46.7	35.0	32.1	26.3	20.4	17.5	11.7	11.7
77.5°	2360.0	1499.4	72.9	35.0	23.3	20.4	17.5	14.6	11.7	11.7	8.8
80°	1394.4	732.2	55.4	23.3	17.5	14.6	11.7	11.7	8.8	8.8	8.8
82.5°	522.2	280.0	37.9	17.5	11.7	11.7	8.8	8.8	5.8	5.8	5.8
85°	189.6	70.0	17.5	8.8	8.8	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)