

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: P691761

Luminaire Tested: **CRTK2-C01H-5TLD-U-T2-7040-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691761
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-C01H-5TLD-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: 8874 lumens
Efficiency: N/A
Efficacy: 118.5 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 74.9
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



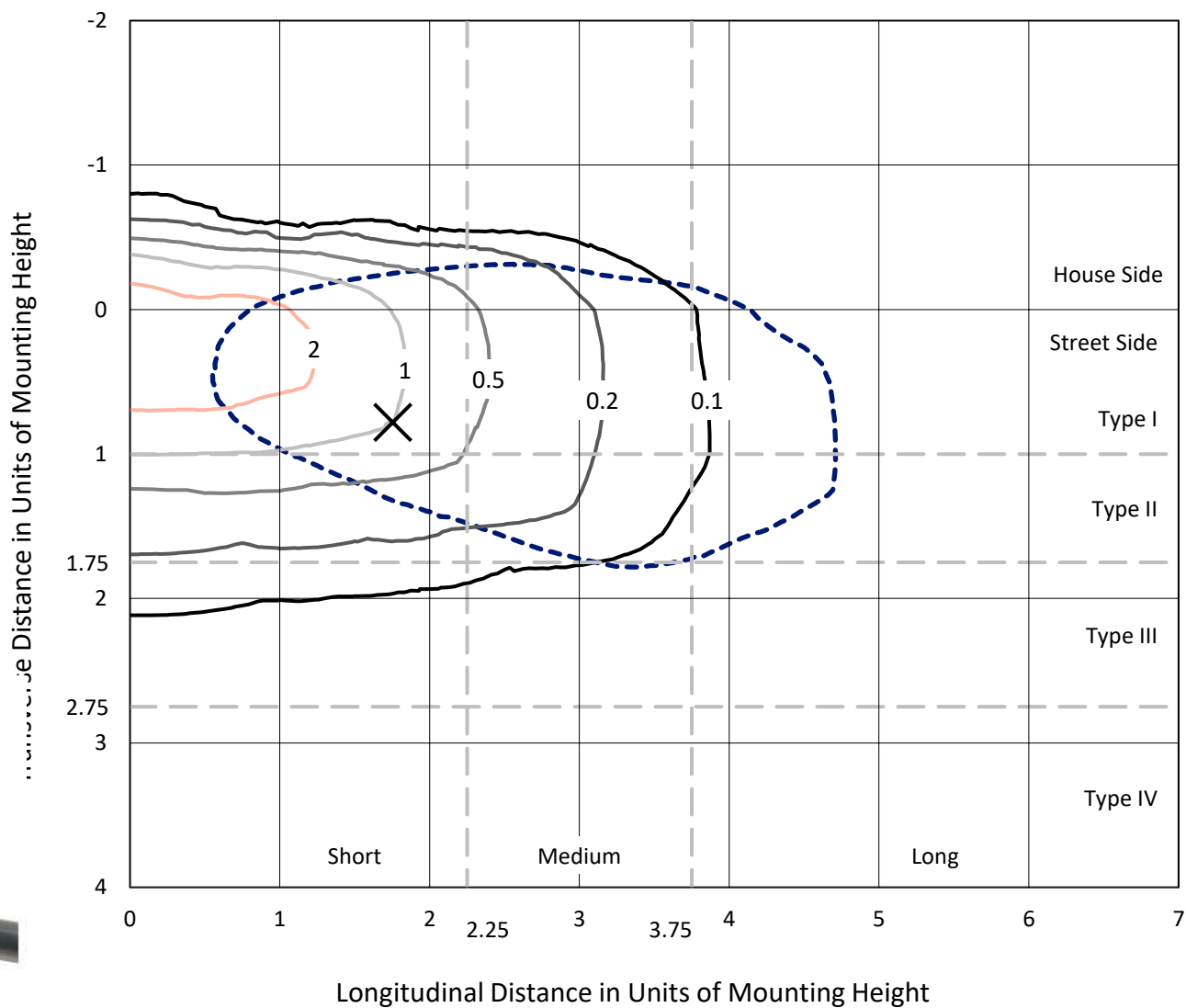
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

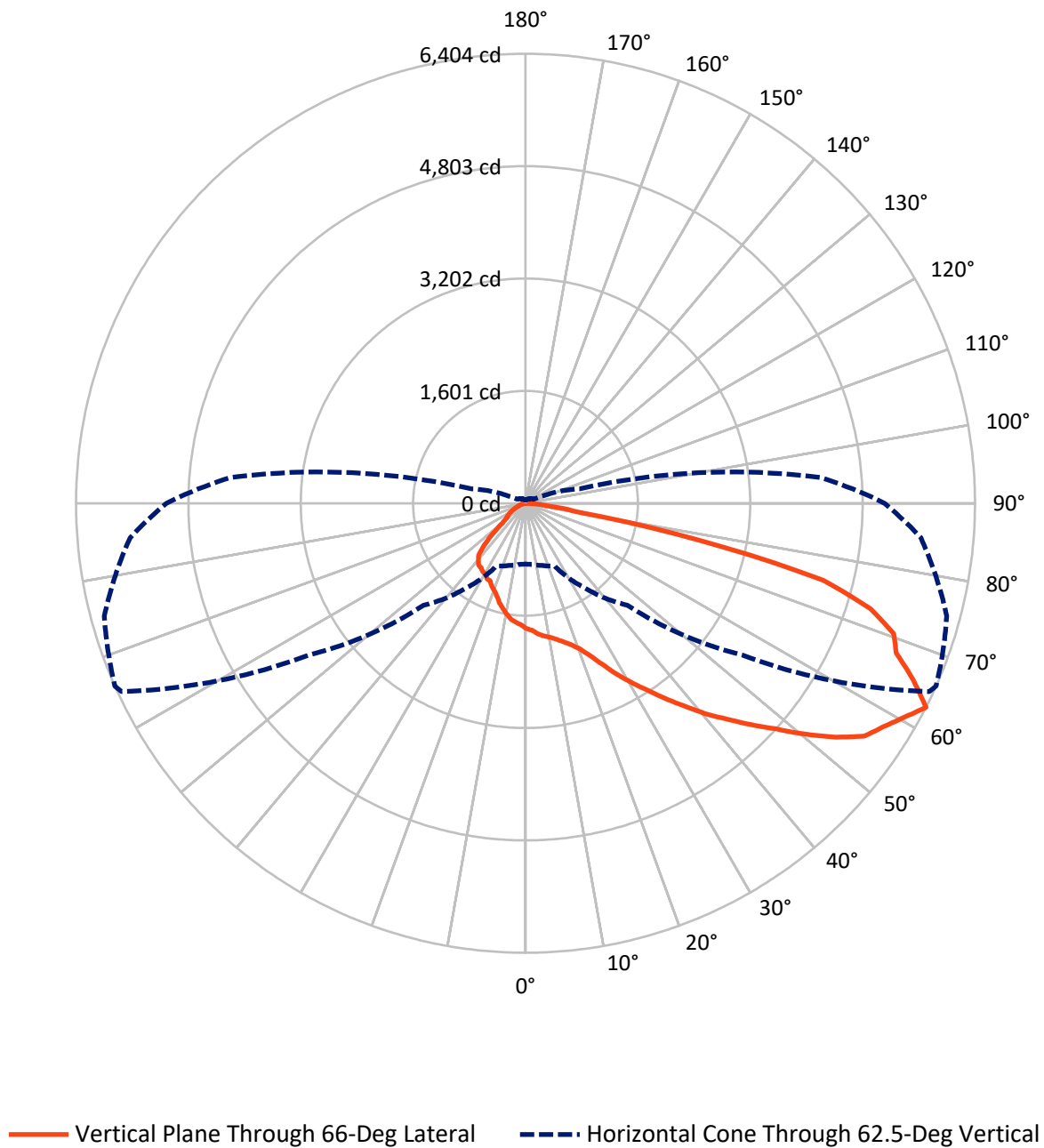


Based on 25 foot mounting height. Maximum calculated value = 3.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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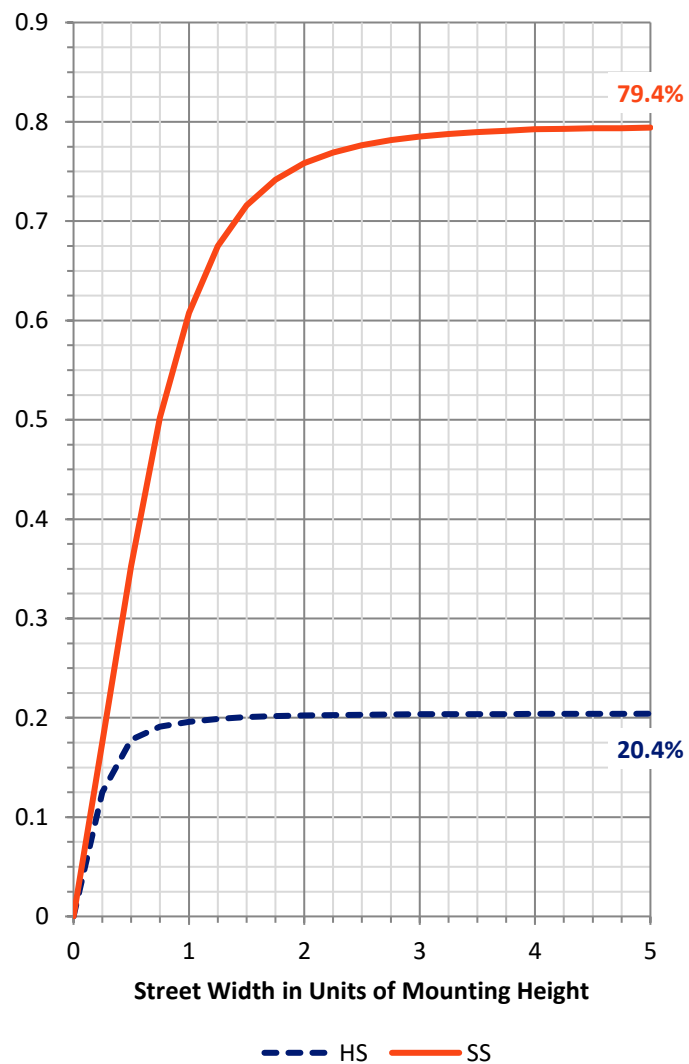
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1833.2	0.0	1833.2
	% Fixture	20.7	0.0	20.7
Street Side	Lumens	7040.8	0.0	7040.8
	% Fixture	79.3	0.0	79.3
Total	Lumens	8874.0	0.0	8874.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.6	1.9
10°-20°	480.3	5.4
20°-30°	788.0	8.9
30°-40°	1159.6	13.1
40°-50°	1529.3	17.2
50°-60°	1780.2	20.1
60°-70°	1769.0	19.9
70°-80°	1094.3	12.3
80°-90°	104.6	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°	8874.0	100.0
0°-180°	8874.0	100.0

Coefficient of Utilization



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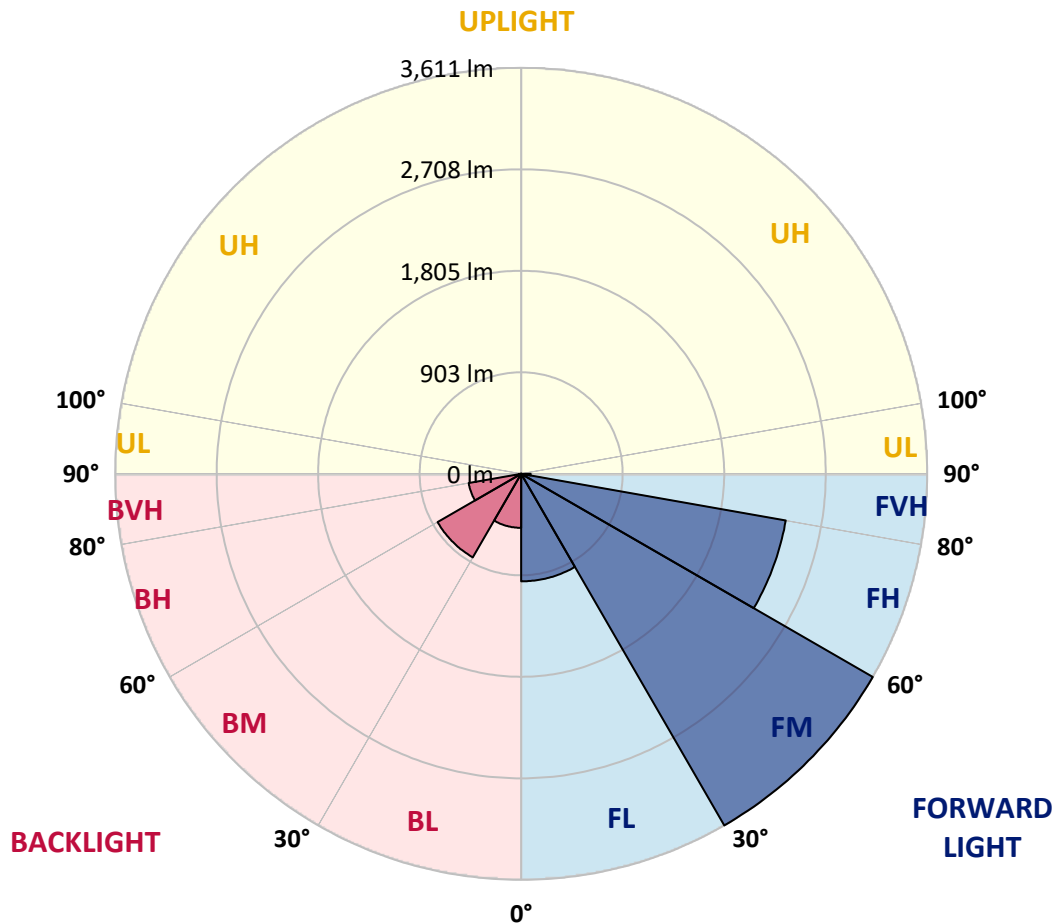
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T2-7040-U0-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	956.2	10.8			
FM	(30°-60°)	3610.7	40.7			
FH	(60°-80°)	2389.4	26.9			G2/5000
FVH	(80°-90°)	84.5	1.0			G1/100
BL	(0°-30°)	480.8	5.4	B1/500		
BM	(30°-60°)	858.4	9.7	B1/1000		
BH	(60°-80°)	473.9	5.3	B1/500		G1/500
BVH	(80°-90°)	20.1	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°	1785.8	1785.8	1785.8	1785.8	1785.8	1785.8	1785.8	1785.8	1785.8	1785.8	1785.8
2.5°	1886.1	1886.1	1882.7	1859.3	1849.3	1835.9	1825.9	1815.9	1812.5	1802.5	1785.8
5°	1996.4	1993.1	1993.1	1973.0	1953.0	1926.2	1899.5	1872.7	1869.4	1842.6	1805.8
7.5°	2060.0	2060.0	2053.3	2039.9	2026.5	2009.8	1969.7	1912.8	1909.5	1872.7	1822.5
10°	2076.7	2080.0	2093.4	2060.0	2049.9	2033.2	2013.2	1953.0	1942.9	1889.4	1809.2
12.5°	2136.9	2136.9	2133.5	2103.4	2093.4	2080.0	2046.6	1999.8	1989.7	1922.9	1812.5
15°	2210.5	2213.8	2203.8	2177.0	2163.6	2146.9	2103.4	2053.3	2049.9	1963.0	1839.3
17.5°	2247.2	2247.2	2253.9	2217.1	2220.5	2213.8	2193.7	2123.5	2120.2	2039.9	1886.1
20°	2260.6	2264.0	2267.3	2267.3	2270.7	2264.0	2284.0	2223.8	2213.8	2123.5	1949.6
22.5°	2320.8	2327.5	2344.2	2334.2	2350.9	2360.9	2367.6	2371.0	2357.6	2264.0	2056.6
25°	2347.6	2364.3	2387.7	2424.5	2451.2	2471.3	2521.5	2544.9	2541.5	2461.3	2233.9
27.5°	2307.4	2327.5	2407.8	2471.3	2564.9	2618.4	2712.1	2742.2	2752.2	2678.6	2424.5
30°	2360.9	2367.6	2404.4	2484.7	2601.7	2762.2	2889.3	2956.2	2956.2	2899.3	2611.8
32.5°	2277.3	2297.4	2404.4	2551.6	2732.1	2906.0	3026.4	3170.2	3170.2	3143.5	2879.3
35°	2267.3	2277.3	2340.9	2504.7	2735.5	3053.2	3213.7	3384.2	3407.7	3411.0	3143.5
37.5°	2173.7	2193.7	2307.4	2518.1	2835.8	3143.5	3367.5	3631.7	3658.5	3695.2	3364.2
40°	2070.0	2076.7	2177.0	2397.7	2812.4	3260.5	3514.7	3909.3	3939.4	3989.5	3658.5
42.5°	1916.2	1942.9	2110.1	2350.9	2802.4	3297.3	3678.5	4170.1	4203.6	4273.8	3902.6
45°	1779.1	1789.1	1912.8	2180.4	2692.0	3350.8	3805.6	4477.8	4497.8	4541.3	4106.6
47.5°	1668.7	1675.4	1799.1	2029.9	2588.3	3337.4	3929.3	4755.3	4802.2	4869.0	4347.4
50°	1337.6	1374.4	1682.1	1906.1	2407.8	3314.0	4026.3	5103.1	5173.3	5200.1	4624.9
52.5°	1140.3	1147.0	1307.5	1782.4	2220.5	3213.7	4120.0	5457.6	5537.9	5464.3	4959.3
55°	1056.7	1063.4	1137.0	1534.9	2063.3	3019.7	4190.2	5798.7	5855.5	5675.0	5210.1
57.5°	1003.2	1016.6	1050.1	1247.4	1876.0	2695.4	4203.6	5986.0	6009.4	5842.2	5337.2
60°	929.7	929.7	996.5	1090.2	1672.1	2347.6	4093.2	6079.6	6193.3	6032.8	5571.3
62.5°	866.1	872.8	916.3	986.5	1471.4	2053.3	3768.8	6347.1	6404.0	6213.4	5654.9
65°	792.6	799.2	839.4	909.6	1337.6	1889.4	3594.9	6240.1	6072.9	6166.6	5758.6
67.5°	709.0	712.3	752.4	816.0	1123.6	1742.3	3176.9	5832.1	5695.0	5945.8	5471.0
70°	625.3	625.3	658.8	709.0	916.3	1528.3	2625.1	5460.9	5564.6	5578.0	5186.7
72.5°	521.7	525.0	558.5	601.9	735.7	1277.5	2076.7	5089.7	5136.6	4959.3	4561.4
75°	374.5	387.9	424.7	468.2	581.9	1013.3	1474.8	4136.7	4380.8	4695.1	3919.3
77.5°	56.8	56.8	70.2	107.0	190.6	508.3	682.2	2284.0	2534.8	3929.3	3424.4
80°	46.8	46.8	50.2	70.2	110.4	284.2	220.7	715.6	769.1	1805.8	1929.6
82.5°	23.4	23.4	36.8	50.2	66.9	83.6	93.6	344.4	397.9	615.3	769.1
85°	13.4	13.4	16.7	23.4	26.8	26.8	30.1	163.9	170.5	334.4	347.8
87.5°	3.3	3.3	6.7	6.7	6.7	3.3	3.3	3.3	3.3	3.3	3.3
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°	1785.8	1785.8	1785.8	1785.8	1785.8	1785.8	1785.8	1785.8	1785.8	1785.8	1785.8
2.5°	1779.1	1769.0	1749.0	1732.3	1722.2	1702.2	1685.4	1672.1	1665.4	1682.1	1685.4
5°	1782.4	1759.0	1722.2	1698.8	1672.1	1638.6	1598.5	1575.1	1565.0	1568.4	1578.4
7.5°	1789.1	1755.7	1712.2	1662.0	1591.8	1524.9	1478.1	1451.3	1438.0	1454.7	1454.7
10°	1769.0	1732.3	1672.1	1595.1	1504.9	1438.0	1384.5	1337.6	1320.9	1327.6	1331.0
12.5°	1769.0	1718.9	1618.6	1524.9	1441.3	1331.0	1250.7	1207.2	1190.5	1193.8	1200.5
15°	1779.1	1712.2	1571.7	1458.0	1334.3	1217.3	1147.0	1093.5	1076.8	1060.1	1066.8
17.5°	1812.5	1702.2	1548.3	1367.7	1230.6	1120.3	1023.3	963.1	949.7	949.7	953.1
20°	1846.0	1715.5	1508.2	1300.9	1137.0	999.9	899.6	856.1	826.0	812.6	826.0
22.5°	1916.2	1762.3	1481.4	1257.4	1040.0	909.6	816.0	719.0	665.5	642.1	648.8
25°	2043.3	1846.0	1501.5	1180.5	986.5	826.0	695.6	578.5	505.0	481.6	488.2
27.5°	2240.6	1983.1	1524.9	1173.8	889.5	742.4	565.2	438.1	381.2	357.8	364.5
30°	2434.5	2170.3	1601.8	1106.9	852.7	608.6	428.0	337.8	280.9	257.5	264.2
32.5°	2601.7	2350.9	1698.8	1090.2	755.8	458.1	321.0	250.8	207.3	187.3	190.6
35°	2849.2	2504.7	1782.4	1040.0	642.1	344.4	234.1	180.6	157.2	150.5	150.5
37.5°	3069.9	2685.3	1862.7	1023.3	481.6	257.5	167.2	147.1	143.8	133.8	133.8
40°	3300.6	2875.9	1899.5	963.1	351.1	180.6	137.1	137.1	133.8	123.7	123.7
42.5°	3571.5	3069.9	1932.9	892.9	250.8	137.1	127.1	130.4	127.1	117.0	113.7
45°	3765.5	3190.3	1942.9	715.6	173.9	130.4	120.4	123.7	120.4	113.7	110.4
47.5°	3942.7	3364.2	1899.5	501.6	140.5	123.7	117.0	117.0	117.0	107.0	103.7
50°	4126.6	3508.0	1862.7	270.9	137.1	120.4	110.4	107.0	110.4	103.7	100.3
52.5°	4370.8	3618.3	1765.7	183.9	133.8	117.0	107.0	100.3	103.7	97.0	100.3
55°	4695.1	3909.3	1588.5	173.9	133.8	113.7	103.7	93.6	93.6	90.3	90.3
57.5°	4842.3	4019.6	1304.2	167.2	130.4	113.7	97.0	86.9	80.3	76.9	73.6
60°	5022.9	4180.1	1006.6	153.8	120.4	107.0	86.9	76.9	66.9	63.5	63.5
62.5°	5116.5	4216.9	795.9	137.1	110.4	93.6	76.9	63.5	53.5	46.8	46.8
65°	5170.0	4196.9	555.1	123.7	97.0	83.6	66.9	53.5	40.1	36.8	33.4
67.5°	4989.4	4076.5	324.4	107.0	83.6	73.6	56.8	43.5	33.4	30.1	26.8
70°	4628.3	3708.6	204.0	93.6	73.6	63.5	50.2	36.8	26.8	23.4	23.4
72.5°	4240.3	2989.6	140.5	73.6	56.8	50.2	36.8	30.1	23.4	16.7	16.7
75°	3815.6	2595.0	103.7	53.5	40.1	36.8	30.1	23.4	20.1	13.4	13.4
77.5°	2705.4	1718.9	83.6	40.1	26.8	23.4	20.1	16.7	13.4	13.4	10.0
80°	1598.5	839.4	63.5	26.8	20.1	16.7	13.4	13.4	10.0	10.0	10.0
82.5°	598.6	321.0	43.5	20.1	13.4	13.4	10.0	10.0	6.7	6.7	6.7
85°	217.4	80.3	20.1	10.0	10.0	6.7	6.7	6.7	6.7	6.7	6.7
87.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
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)