

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: P691769

Luminaire Tested: **CRTK2-C01H-5TLD-U-T2-7050-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691769
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-T2-7050-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: 8978 lumens
Efficiency: N/A
Efficacy: 119.9 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

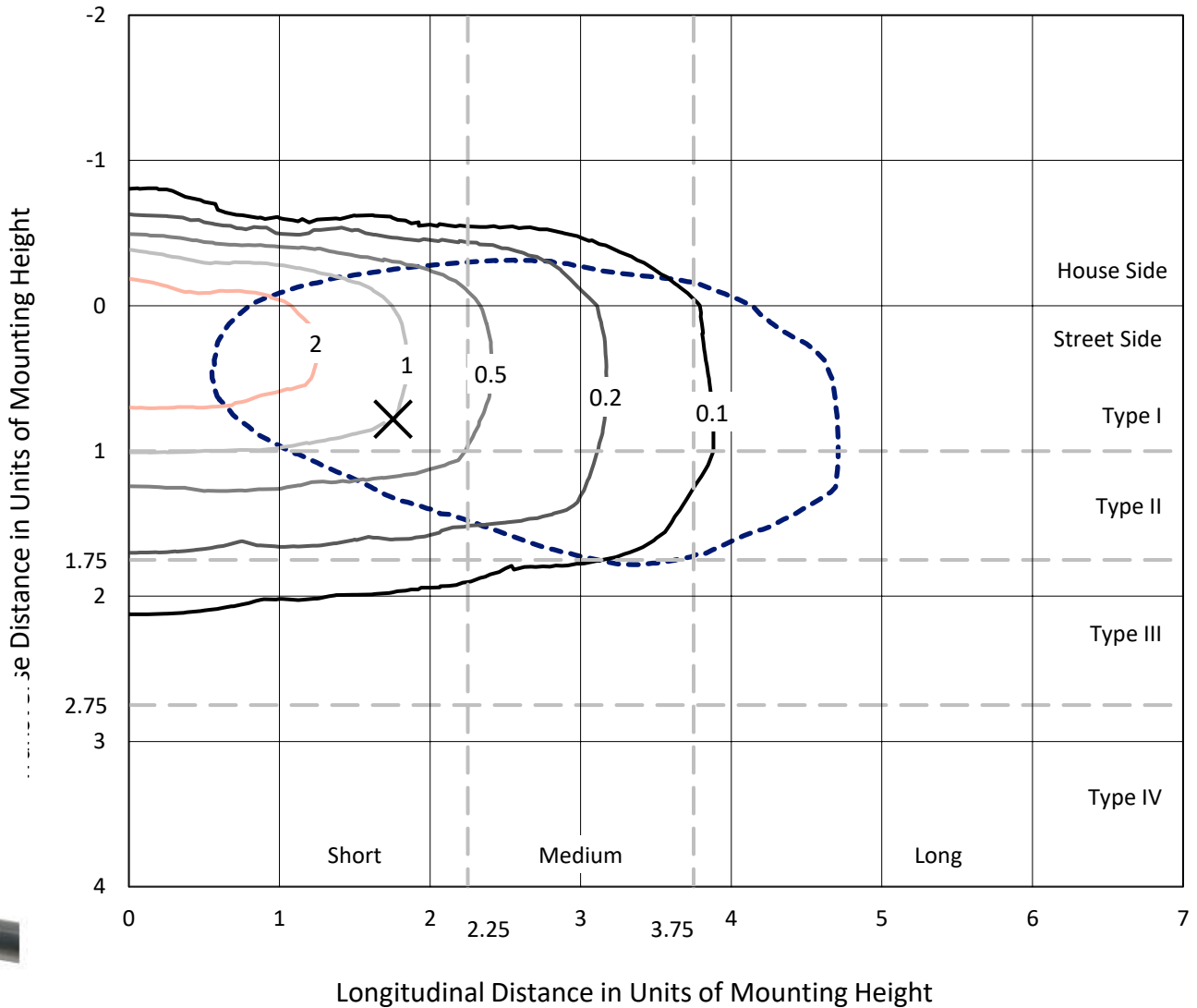
Input Watts (W): 74.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

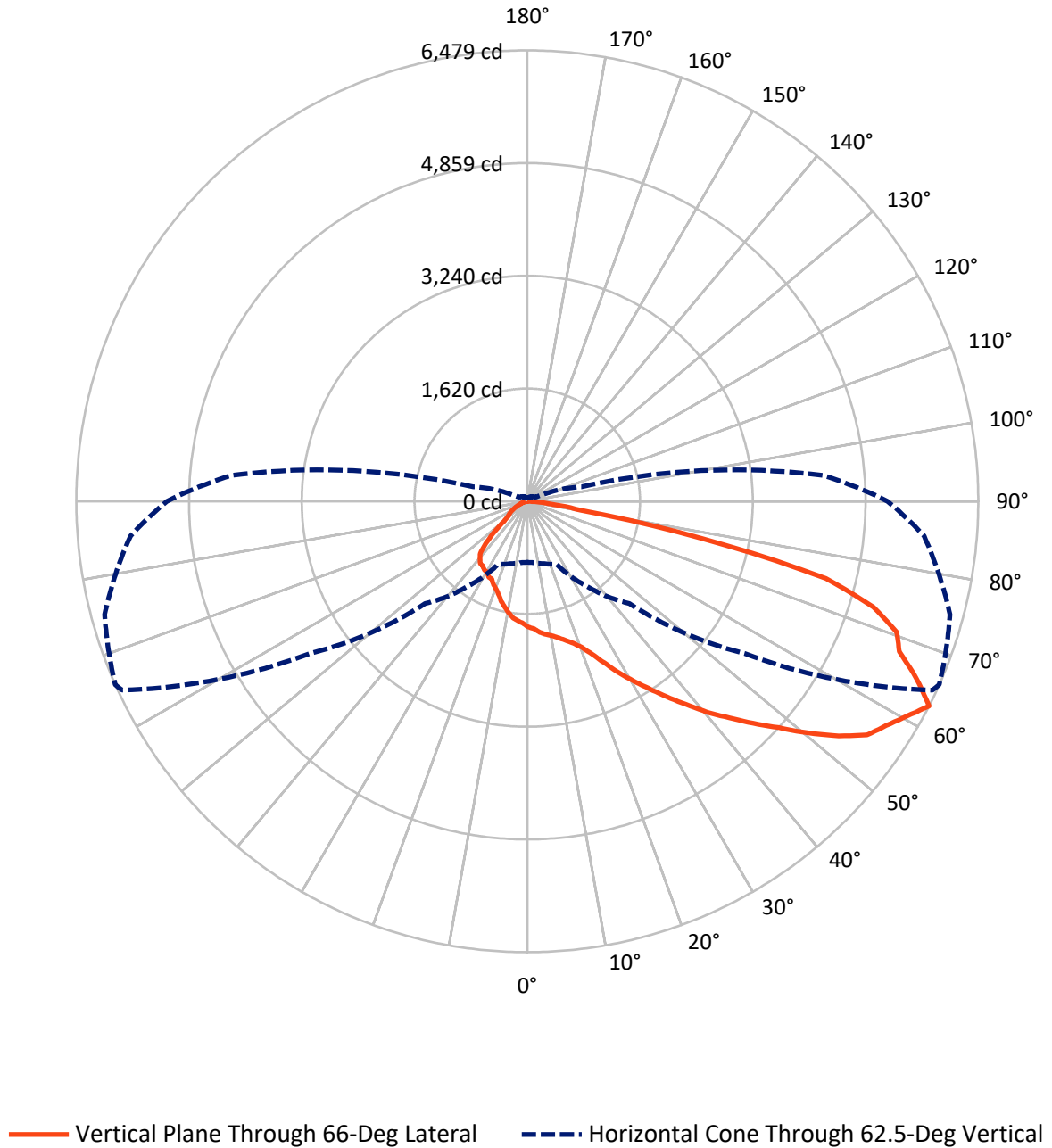
✕ Max cd
 - - - 1/2 Max cd



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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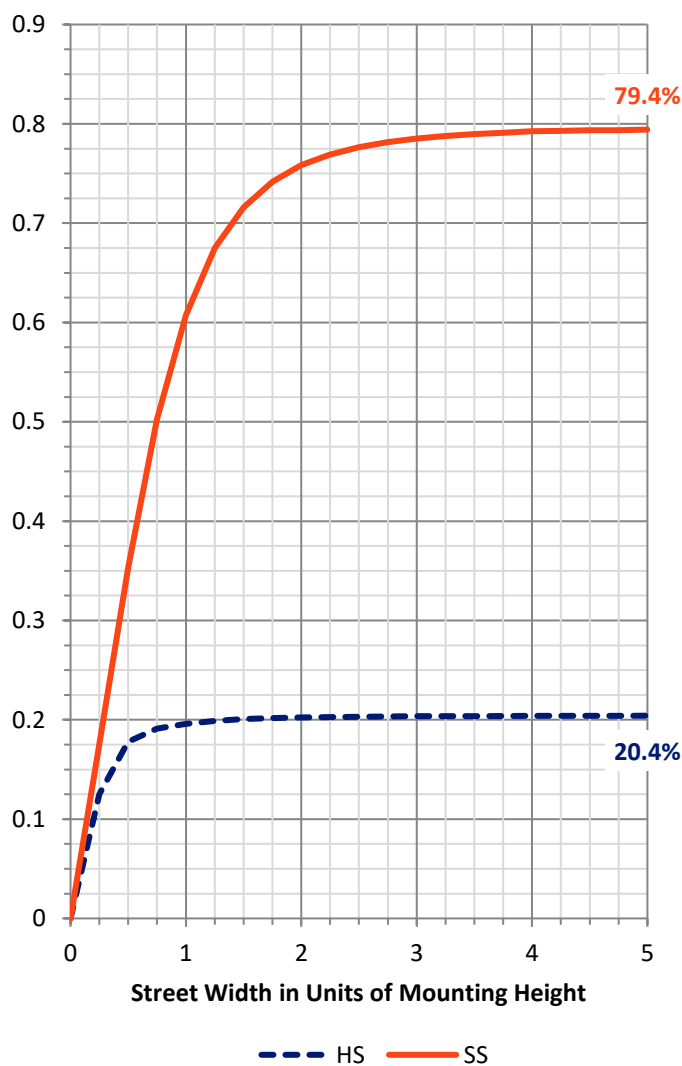
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1854.6	0.0	1854.6
	% Fixture	20.7	0.0	20.7
Street Side	Lumens	7123.4	0.0	7123.4
	% Fixture	79.3	0.0	79.3
Total	Lumens	8978.0	0.0	8978.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.6	1.9
10°-20°	485.9	5.4
20°-30°	797.3	8.9
30°-40°	1173.2	13.1
40°-50°	1547.2	17.2
50°-60°	1801.1	20.1
60°-70°	1789.7	19.9
70°-80°	1107.1	12.3
80°-90°	105.9	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°	8978.0	100.0
0°-180°	8978.0	100.0

Coefficient of Utilization



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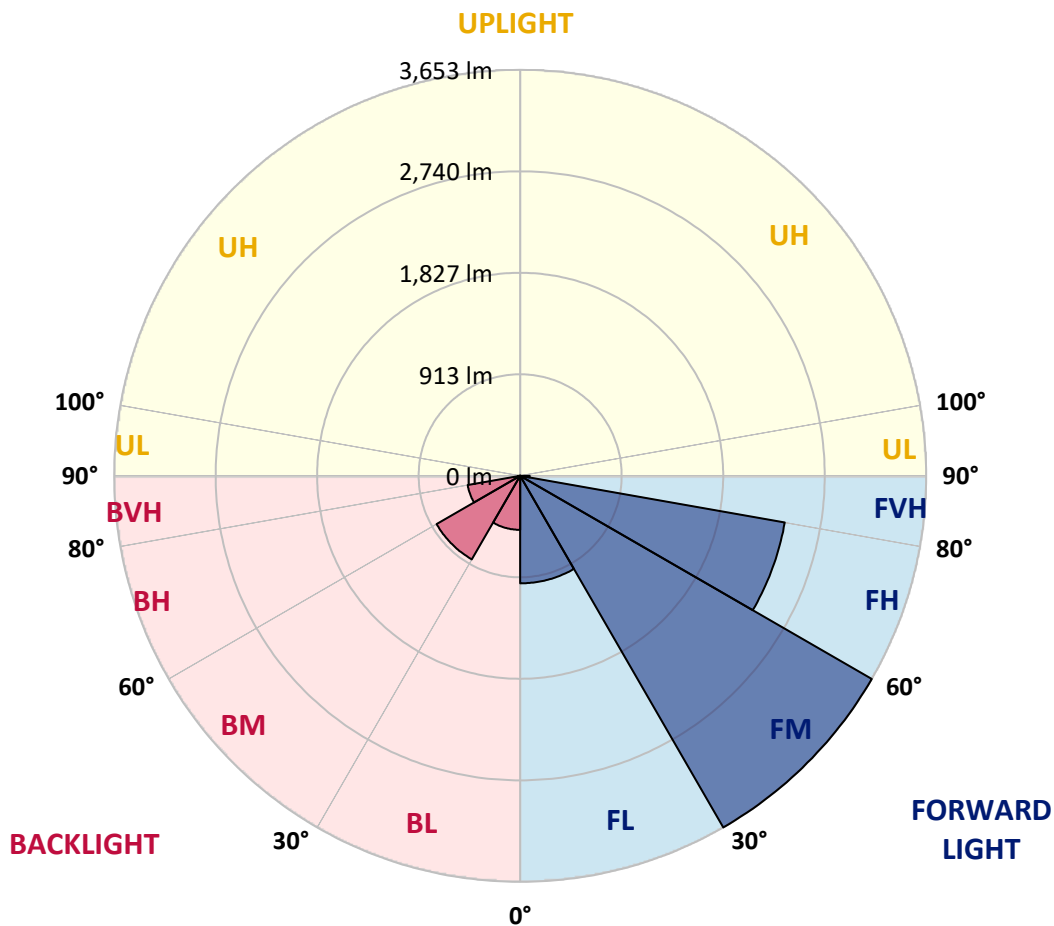
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T2-7050-U0-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	967.4	10.8			
FM (30°-60°)	3653.1	40.7			
FH (60°-80°)	2417.4	26.9			G2/5000
FVH (80°-90°)	85.5	1.0			G1/100
BL (0°-30°)	486.4	5.4	B1/500		
BM (30°-60°)	868.4	9.7	B1/1000		
BH (60°-80°)	479.5	5.3	B1/500		G1/500
BVH (80°-90°)	20.4	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°	1806.7	1806.7	1806.7	1806.7	1806.7	1806.7	1806.7	1806.7	1806.7	1806.7	1806.7
2.5°	1908.2	1908.2	1904.8	1881.1	1871.0	1857.4	1847.3	1837.1	1833.8	1823.6	1806.7
5°	2019.8	2016.5	2016.5	1996.2	1975.9	1948.8	1921.7	1894.7	1891.3	1864.2	1827.0
7.5°	2084.1	2084.1	2077.4	2063.8	2050.3	2033.4	1992.8	1935.3	1931.9	1894.7	1843.9
10°	2101.0	2104.4	2118.0	2084.1	2074.0	2057.1	2036.8	1975.9	1965.7	1911.6	1830.4
12.5°	2161.9	2161.9	2158.6	2128.1	2118.0	2104.4	2070.6	2023.2	2013.1	1945.4	1833.8
15°	2236.4	2239.8	2229.6	2202.5	2189.0	2172.1	2128.1	2077.4	2074.0	1986.0	1860.8
17.5°	2273.6	2273.6	2280.3	2243.1	2246.5	2239.8	2219.5	2148.4	2145.0	2063.8	1908.2
20°	2287.1	2290.5	2293.9	2293.9	2297.3	2290.5	2310.8	2249.9	2239.8	2148.4	1972.5
22.5°	2348.0	2354.8	2371.7	2361.5	2378.5	2388.6	2395.4	2398.8	2385.2	2290.5	2080.7
25°	2375.1	2392.0	2415.7	2452.9	2480.0	2500.3	2551.0	2574.7	2571.3	2490.1	2260.0
27.5°	2334.5	2354.8	2436.0	2500.3	2595.0	2649.1	2743.9	2774.3	2784.5	2710.0	2452.9
30°	2388.6	2395.4	2432.6	2513.8	2632.2	2794.6	2923.2	2990.8	2990.8	2933.3	2642.4
32.5°	2304.0	2324.3	2432.6	2581.5	2764.2	2940.1	3061.9	3207.4	3207.4	3180.3	2913.0
35°	2293.9	2304.0	2368.3	2534.1	2767.5	3089.0	3251.4	3423.9	3447.6	3451.0	3180.3
37.5°	2199.2	2219.5	2334.5	2547.6	2869.0	3180.3	3407.0	3674.3	3701.3	3738.6	3403.6
40°	2094.3	2101.0	2202.5	2425.8	2845.4	3298.7	3555.9	3955.1	3985.5	4036.3	3701.3
42.5°	1938.6	1965.7	2134.9	2378.5	2835.2	3335.9	3721.6	4219.0	4252.8	4323.9	3948.3
45°	1799.9	1810.1	1935.3	2205.9	2723.6	3390.1	3850.2	4530.2	4550.5	4594.5	4154.7
47.5°	1688.3	1695.0	1820.2	2053.7	2618.7	3376.5	3975.4	4811.1	4858.4	4926.1	4398.3
50°	1353.3	1390.5	1701.8	1928.5	2436.0	3352.9	4073.5	5162.9	5234.0	5261.0	4679.1
52.5°	1153.7	1160.5	1322.9	1803.3	2246.5	3251.4	4168.2	5521.6	5602.8	5528.3	5017.4
55°	1069.1	1075.9	1150.3	1552.9	2087.5	3055.1	4239.3	5866.7	5924.2	5741.5	5271.2
57.5°	1015.0	1028.5	1062.4	1262.0	1898.0	2726.9	4252.8	6056.1	6079.8	5910.6	5399.8
60°	940.6	940.6	1008.2	1103.0	1691.7	2375.1	4141.2	6150.9	6265.9	6103.5	5636.6
62.5°	876.3	883.0	927.0	998.1	1488.7	2077.4	3813.0	6421.5	6479.0	6286.2	5721.2
65°	801.8	808.6	849.2	920.3	1353.3	1911.6	3637.1	6313.3	6144.1	6238.8	5826.1
67.5°	717.3	720.6	761.2	825.5	1136.8	1762.7	3214.1	5900.5	5761.8	6015.5	5535.1
70°	632.7	632.7	666.5	717.3	927.0	1546.2	2655.9	5524.9	5629.8	5643.4	5247.5
72.5°	527.8	531.2	565.0	609.0	744.3	1292.4	2101.0	5149.4	5196.8	5017.4	4614.8
75°	378.9	392.5	429.7	473.7	588.7	1025.1	1492.0	4185.2	4432.1	4750.2	3965.2
77.5°	57.5	57.5	71.0	108.3	192.8	514.3	690.2	2310.8	2564.5	3975.4	3464.5
80°	47.4	47.4	50.7	71.0	111.6	287.6	223.3	724.0	778.2	1827.0	1952.2
82.5°	23.7	23.7	37.2	50.7	67.7	84.6	94.7	348.5	402.6	622.5	778.2
85°	13.5	13.5	16.9	23.7	27.1	27.1	30.4	165.8	172.5	338.3	351.9
87.5°	3.4	3.4	6.8	6.8	6.8	3.4	3.4	3.4	3.4	3.4	3.4
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°	1806.7	1806.7	1806.7	1806.7	1806.7	1806.7	1806.7	1806.7	1806.7	1806.7	1806.7
2.5°	1799.9	1789.8	1769.5	1752.6	1742.4	1722.1	1705.2	1691.7	1684.9	1701.8	1705.2
5°	1803.3	1779.6	1742.4	1718.7	1691.7	1657.8	1617.2	1593.5	1583.4	1586.8	1596.9
7.5°	1810.1	1776.2	1732.3	1681.5	1610.5	1542.8	1495.4	1468.4	1454.8	1471.7	1471.7
10°	1789.8	1752.6	1691.7	1613.8	1522.5	1454.8	1400.7	1353.3	1336.4	1343.2	1346.6
12.5°	1789.8	1739.0	1637.5	1542.8	1458.2	1346.6	1265.4	1221.4	1204.5	1207.8	1214.6
15°	1799.9	1732.3	1590.2	1475.1	1349.9	1231.5	1160.5	1106.3	1089.4	1072.5	1079.3
17.5°	1833.8	1722.1	1566.5	1383.8	1245.1	1133.4	1035.3	974.4	960.9	960.9	964.2
20°	1867.6	1735.6	1525.9	1316.1	1150.3	1011.6	910.1	866.1	835.7	822.1	835.7
22.5°	1938.6	1783.0	1498.8	1272.1	1052.2	920.3	825.5	727.4	673.3	649.6	656.4
25°	2067.2	1867.6	1519.1	1194.3	998.1	835.7	703.7	585.3	510.9	487.2	494.0
27.5°	2266.8	2006.3	1542.8	1187.5	900.0	751.1	571.8	443.2	385.7	362.0	368.8
30°	2463.0	2195.8	1620.6	1119.9	862.7	615.8	433.1	341.7	284.2	260.5	267.3
32.5°	2632.2	2378.5	1718.7	1103.0	764.6	463.5	324.8	253.7	209.8	189.5	192.8
35°	2882.6	2534.1	1803.3	1052.2	649.6	348.5	236.8	182.7	159.0	152.2	152.2
37.5°	3105.9	2716.8	1884.5	1035.3	487.2	260.5	169.2	148.9	145.5	135.3	135.3
40°	3339.3	2909.6	1921.7	974.4	355.2	182.7	138.7	138.7	135.3	125.2	125.2
42.5°	3613.4	3105.9	1955.6	903.3	253.7	138.7	128.6	131.9	128.6	118.4	115.0
45°	3809.6	3227.7	1965.7	724.0	175.9	131.9	121.8	125.2	121.8	115.0	111.6
47.5°	3988.9	3403.6	1921.7	507.5	142.1	125.2	118.4	118.4	118.4	108.3	104.9
50°	4175.0	3549.1	1884.5	274.0	138.7	121.8	111.6	108.3	111.6	104.9	101.5
52.5°	4422.0	3660.7	1786.4	186.1	135.3	118.4	108.3	101.5	104.9	98.1	101.5
55°	4750.2	3955.1	1607.1	175.9	135.3	115.0	104.9	94.7	94.7	91.3	91.3
57.5°	4899.0	4066.7	1319.5	169.2	131.9	115.0	98.1	88.0	81.2	77.8	74.4
60°	5081.7	4229.1	1018.4	155.6	121.8	108.3	88.0	77.8	67.7	64.3	64.3
62.5°	5176.5	4266.4	805.2	138.7	111.6	94.7	77.8	64.3	54.1	47.4	47.4
65°	5230.6	4246.1	561.6	125.2	98.1	84.6	67.7	54.1	40.6	37.2	33.8
67.5°	5047.9	4124.3	328.2	108.3	84.6	74.4	57.5	44.0	33.8	30.4	27.1
70°	4682.5	3752.1	206.4	94.7	74.4	64.3	50.7	37.2	27.1	23.7	23.7
72.5°	4290.0	3024.7	142.1	74.4	57.5	50.7	37.2	30.4	23.7	16.9	16.9
75°	3860.4	2625.4	104.9	54.1	40.6	37.2	30.4	23.7	20.3	13.5	13.5
77.5°	2737.1	1739.0	84.6	40.6	27.1	23.7	20.3	16.9	13.5	13.5	10.1
80°	1617.2	849.2	64.3	27.1	20.3	16.9	13.5	13.5	10.1	10.1	10.1
82.5°	605.6	324.8	44.0	20.3	13.5	13.5	10.1	10.1	6.8	6.8	6.8
85°	219.9	81.2	20.3	10.1	10.1	6.8	6.8	6.8	6.8	6.8	6.8
87.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
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)