

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: P690934

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690934
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-T2-7040-U0
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE II OPTIC AND U0 SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8380 lumens
Efficiency: N/A
Efficacy: 137.4 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

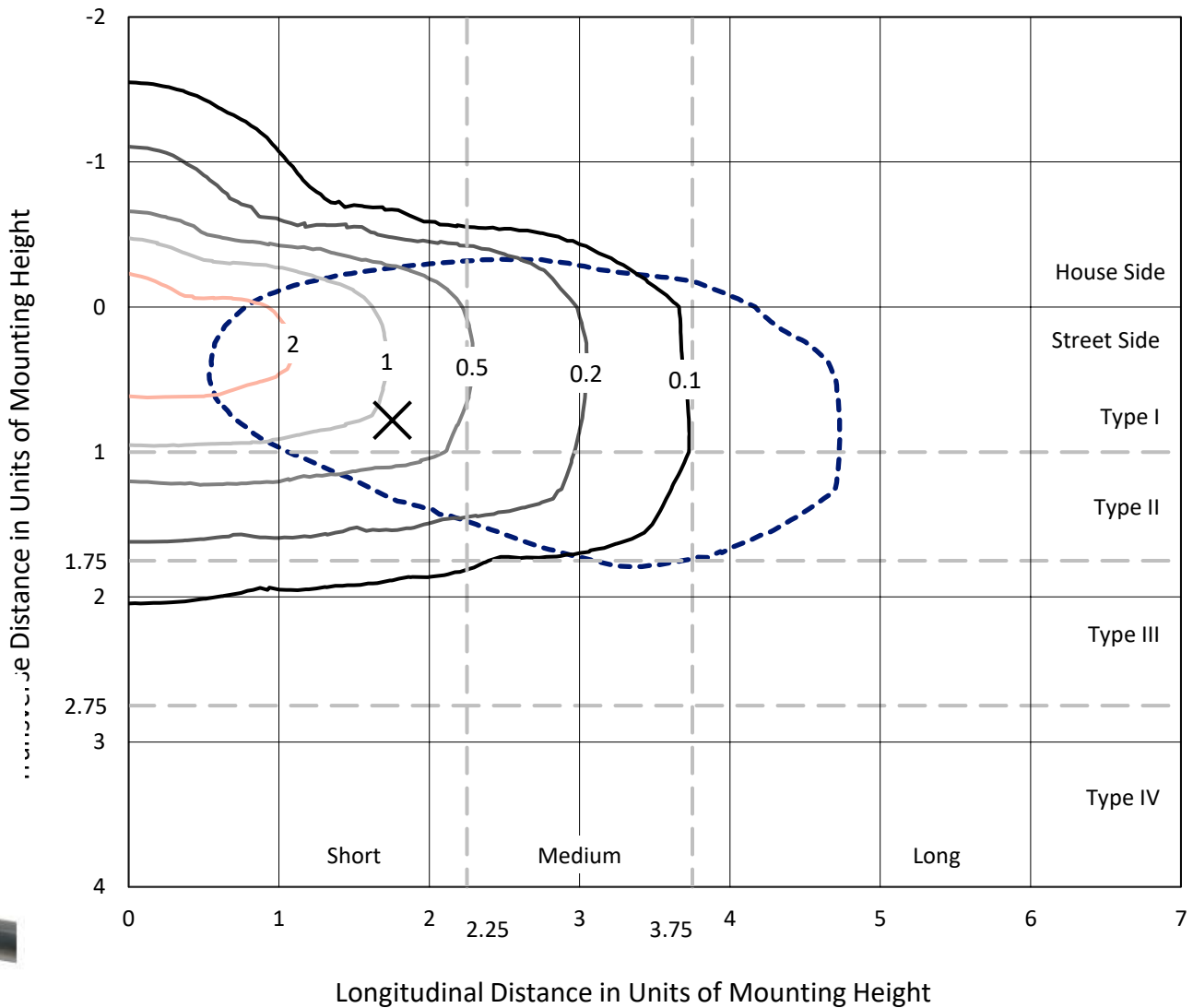


REPORT NUMBER: P690934

CATALOG NUMBER: CRTK2-C01-D-U-T2-7040-U0

Iso-Footcandle Lines of Horizontal Illumination

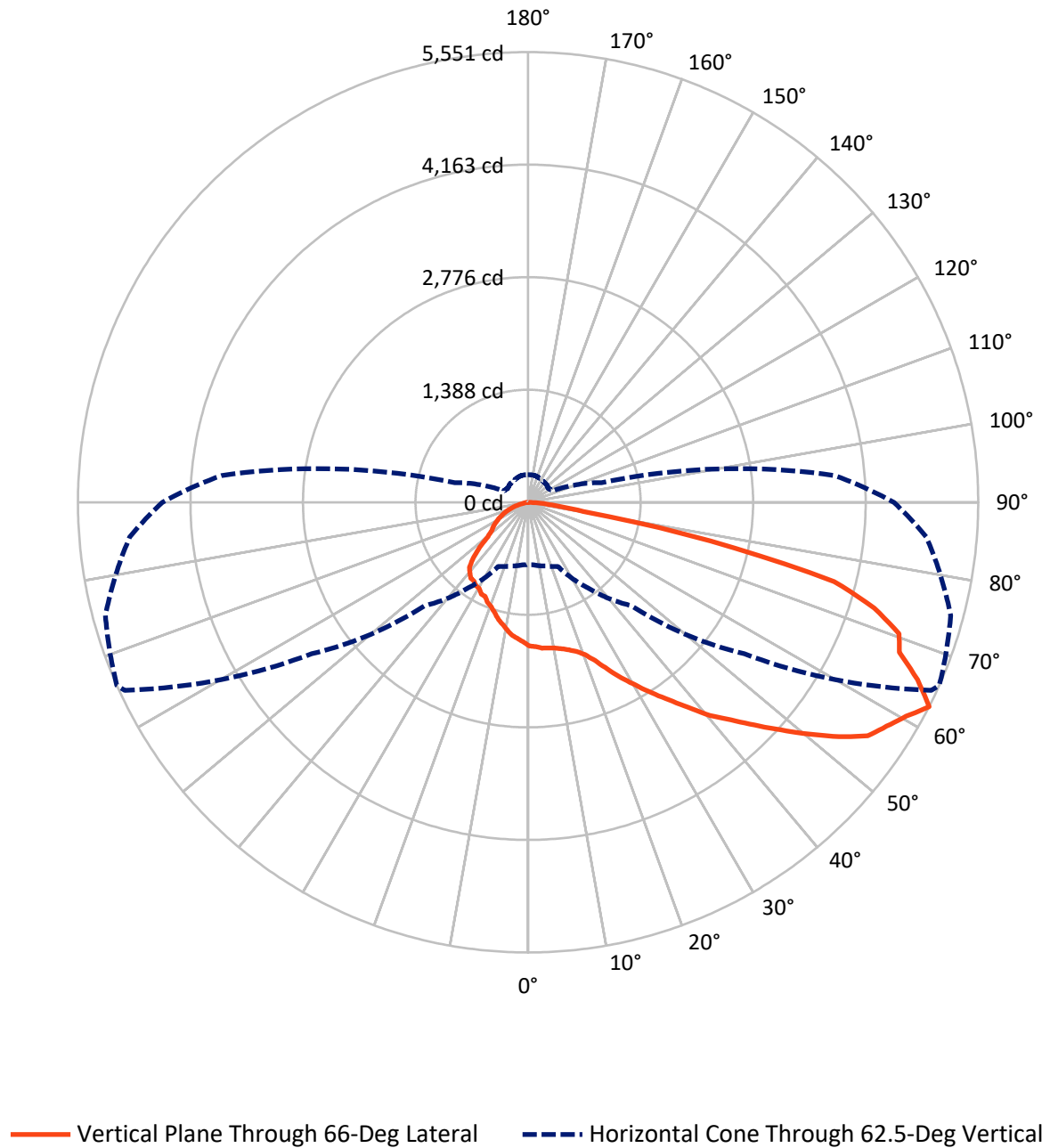
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
 Type II - Short - N/A

REPORT NUMBER: P690934
CATALOG NUMBER: CRTK2-C01-D-U-T2-7040-U0

Luminous Intensity Polar Plot



REPORT NUMBER: P690934

CATALOG NUMBER: CRTK2-C01-D-U-T2-7040-U0

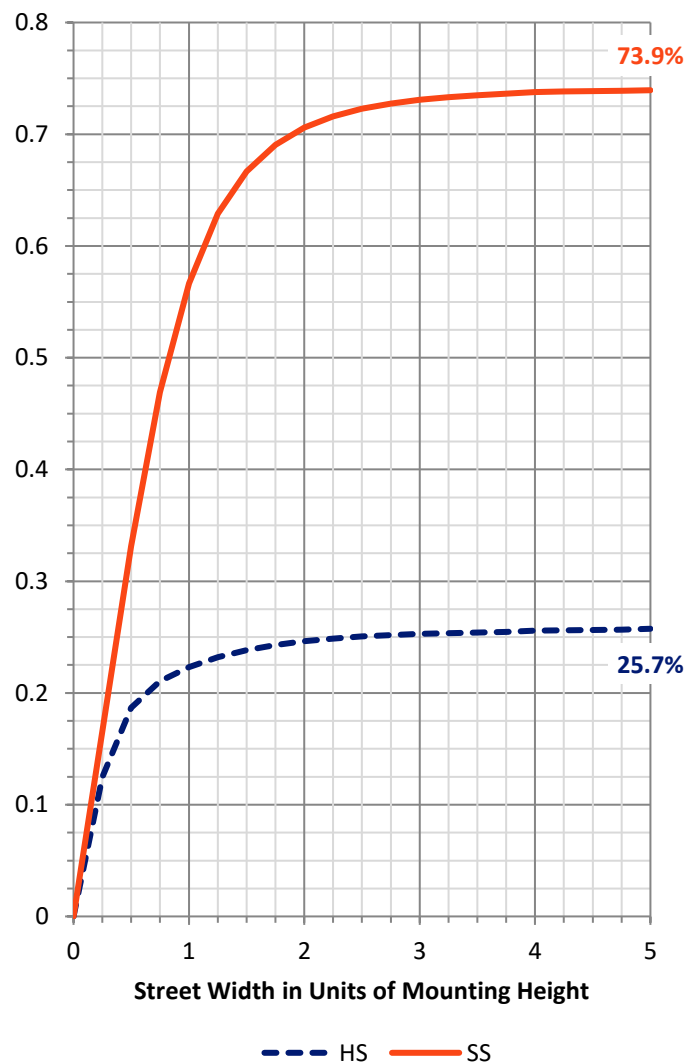
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2189.7	0.0	2189.7
	% Fixture	26.1	0.0	26.1
Street Side	Lumens	6190.3	0.0	6190.3
	% Fixture	73.9	0.0	73.9
Total	Lumens	8380.0	0.0	8380.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.8	2.0
10°-20°	470.6	5.6
20°-30°	764.1	9.1
30°-40°	1102.1	13.2
40°-50°	1433.6	17.1
50°-60°	1665.1	19.9
60°-70°	1647.4	19.7
70°-80°	1020.4	12.2
80°-90°	110.8	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°	8380.0	100.0
0°-180°	8380.0	100.0

Coefficient of Utilization



REPORT NUMBER: P690934

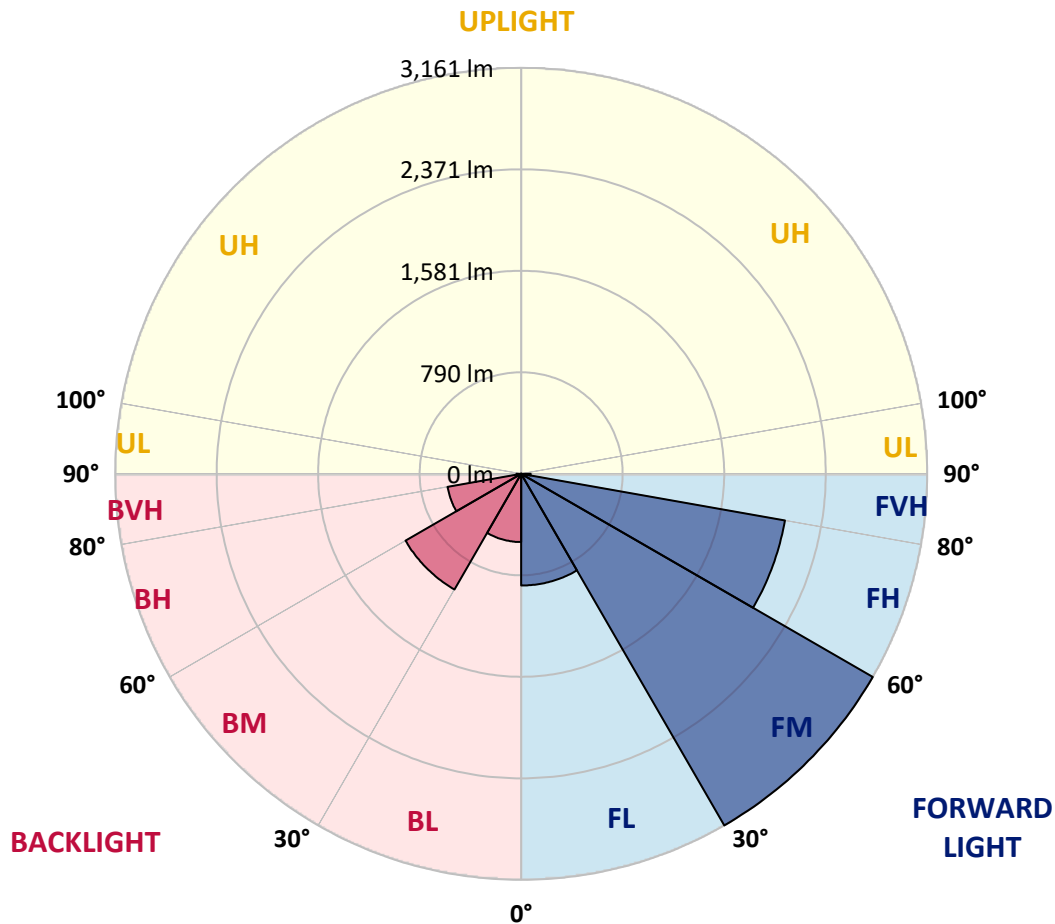
CATALOG NUMBER: CRTK2-C01-D-U-T2-7040-U0

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	869.4	10.4			
FM	(30°-60°)	3161.1	37.7			
FH	(60°-80°)	2085.5	24.9			G2/5000
FVH	(80°-90°)	74.3	0.9			G1/100
BL	(0°-30°)	531.2	6.3	B2/1000		
BM	(30°-60°)	1039.7	12.4	B2/2500		
BH	(60°-80°)	582.3	6.9	B2/1000		G2/1000
BVH	(80°-90°)	36.5	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



REPORT NUMBER: P690934

CATALOG NUMBER: CRTK2-C01-D-U-T2-7040-U0

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1772.6	1772.6	1772.6	1772.6	1772.6	1772.6	1772.6	1772.6	1772.6	1772.6	1772.6
2.5°	1836.0	1836.0	1841.7	1821.6	1810.0	1801.4	1792.7	1784.1	1781.2	1772.6	1761.0
5°	1916.7	1916.7	1919.6	1899.4	1876.3	1850.4	1824.5	1807.2	1807.2	1787.0	1758.2
7.5°	1959.9	1959.9	1959.9	1936.9	1922.5	1905.2	1864.8	1815.8	1812.9	1792.7	1752.4
10°	1959.9	1959.9	1971.4	1936.9	1925.3	1908.0	1885.0	1833.1	1827.3	1781.2	1726.5
12.5°	1994.5	2000.3	1994.5	1957.0	1945.5	1931.1	1899.4	1856.2	1853.3	1792.7	1714.9
15°	2043.5	2046.4	2037.7	2011.8	2000.3	1977.2	1939.7	1893.6	1887.9	1815.8	1723.6
17.5°	2055.0	2057.9	2063.7	2032.0	2032.0	2023.3	2003.2	1948.4	1934.0	1870.6	1749.5
20°	2049.3	2052.2	2060.8	2055.0	2057.9	2052.2	2066.6	2020.4	2003.2	1934.0	1789.9
22.5°	2075.2	2081.0	2098.3	2101.1	2112.7	2124.2	2130.0	2132.9	2121.3	2040.6	1873.5
25°	2083.9	2101.1	2124.2	2155.9	2196.3	2219.3	2251.0	2282.7	2279.8	2199.1	2011.8
27.5°	2043.5	2063.7	2135.7	2184.7	2274.1	2337.5	2409.5	2452.8	2452.8	2386.5	2170.3
30°	2081.0	2089.6	2127.1	2196.3	2300.0	2444.1	2556.5	2611.3	2617.1	2573.8	2326.0
32.5°	2003.2	2023.3	2115.6	2248.1	2406.7	2565.2	2677.6	2795.8	2801.5	2787.1	2553.7
35°	1994.5	2006.0	2057.9	2199.1	2403.8	2677.6	2827.5	2977.3	2991.8	3009.1	2775.6
37.5°	1905.2	1928.2	2029.1	2204.9	2484.5	2752.5	2954.3	3184.9	3207.9	3262.7	2965.8
40°	1810.0	1827.3	1910.9	2101.1	2458.5	2847.6	3078.2	3429.9	3458.7	3504.8	3228.1
42.5°	1680.3	1714.9	1859.0	2057.9	2447.0	2876.5	3216.6	3654.7	3666.2	3746.9	3435.6
45°	1559.3	1570.8	1680.3	1908.0	2346.1	2919.7	3320.3	3908.3	3917.0	3968.8	3608.6
47.5°	1461.3	1475.7	1588.1	1781.2	2253.9	2908.2	3424.1	4153.3	4193.7	4251.3	3819.0
50°	1158.7	1190.4	1487.2	1671.7	2095.4	2888.0	3507.7	4447.3	4493.4	4548.2	4043.8
52.5°	1000.1	1014.5	1164.4	1562.2	1939.7	2801.5	3585.5	4747.0	4801.8	4773.0	4329.1
55°	931.0	939.6	1008.8	1346.0	1801.4	2637.2	3643.1	5026.6	5084.3	4945.9	4553.9
57.5°	882.0	893.5	933.8	1101.0	1645.8	2349.0	3648.9	5190.9	5211.1	5090.0	4646.2
60°	815.7	824.3	882.0	962.7	1464.2	2046.4	3545.1	5263.0	5358.1	5242.8	4853.7
62.5°	766.7	775.3	812.8	873.3	1288.4	1804.3	3256.9	5487.8	5551.2	5395.5	4931.5
65°	709.0	709.0	746.5	807.0	1176.0	1657.3	3107.0	5415.7	5277.4	5352.3	5026.6
67.5°	625.4	631.2	668.7	717.7	985.7	1516.1	2738.1	5081.4	4937.3	5144.8	4775.9
70°	556.3	550.5	590.9	628.3	807.0	1337.4	2268.3	4735.5	4853.7	4830.6	4545.3
72.5°	464.0	458.3	492.9	533.2	651.4	1109.7	1792.7	4395.4	4464.6	4320.5	4032.2
75°	360.3	325.7	374.7	426.6	513.0	879.1	1271.1	3640.3	3899.7	4072.6	3438.5
77.5°	57.6	57.6	72.1	100.9	167.2	446.7	567.8	2000.3	2294.3	3467.3	3014.8
80°	46.1	46.1	51.9	69.2	100.9	245.0	190.2	619.7	691.7	1495.9	1735.1
82.5°	25.9	25.9	37.5	46.1	63.4	74.9	83.6	302.6	337.2	530.3	671.6
85°	14.4	14.4	20.2	23.1	25.9	25.9	25.9	138.3	155.6	282.5	305.5
87.5°	8.6	8.6	8.6	8.6	8.6	5.8	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

REPORT NUMBER: P690934

CATALOG NUMBER: CRTK2-C01-D-U-T2-7040-U0

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1772.6	1772.6	1772.6	1772.6	1772.6	1772.6	1772.6	1772.6	1772.6	1772.6	1772.6
2.5°	1755.3	1746.6	1732.2	1720.7	1712.0	1703.4	1689.0	1680.3	1680.3	1694.8	1697.6
5°	1740.9	1720.7	1694.8	1683.2	1668.8	1654.4	1631.3	1619.8	1616.9	1625.6	1631.3
7.5°	1729.3	1700.5	1674.6	1645.8	1602.5	1565.1	1544.9	1530.5	1536.2	1550.6	1544.9
10°	1694.8	1668.8	1628.5	1585.2	1533.3	1501.6	1469.9	1452.6	1455.5	1464.2	1455.5
12.5°	1680.3	1645.8	1579.5	1527.6	1481.5	1420.9	1380.6	1354.7	1354.7	1369.1	1369.1
15°	1680.3	1628.5	1539.1	1475.7	1403.6	1343.1	1297.0	1273.9	1288.4	1279.7	1273.9
17.5°	1694.8	1614.1	1513.2	1406.5	1320.1	1259.5	1204.8	1173.1	1181.7	1187.5	1181.7
20°	1712.0	1614.1	1481.5	1351.8	1250.9	1164.4	1103.9	1069.3	1066.4	1069.3	1075.1
22.5°	1769.7	1651.5	1461.3	1317.2	1164.4	1080.8	1020.3	959.8	956.9	954.0	959.8
25°	1867.7	1720.7	1475.7	1253.8	1115.4	991.5	916.6	864.7	847.4	844.5	850.3
27.5°	2029.1	1841.7	1498.8	1245.1	1026.1	913.7	821.4	763.8	746.5	752.3	749.4
30°	2204.9	1997.4	1565.1	1184.6	974.2	798.4	711.9	662.9	645.6	634.1	637.0
32.5°	2334.6	2153.0	1648.6	1164.4	873.3	674.4	611.0	582.2	562.0	547.6	544.7
35°	2539.2	2285.6	1723.6	1118.3	784.0	593.7	541.9	510.2	498.6	490.0	490.0
37.5°	2735.2	2447.0	1798.5	1103.9	668.7	539.0	475.6	455.4	449.6	443.9	443.9
40°	2931.2	2611.3	1841.7	1046.3	576.4	472.7	412.2	409.3	417.9	412.2	415.0
42.5°	3173.3	2781.4	1885.0	991.5	510.2	403.5	368.9	392.0	409.3	412.2	412.2
45°	3340.5	2896.6	1902.3	858.9	441.0	351.6	360.3	386.2	406.4	415.0	412.2
47.5°	3493.3	3052.3	1876.3	697.5	383.3	343.0	357.4	374.7	403.5	415.0	415.0
50°	3643.1	3182.0	1853.3	515.9	363.2	345.9	357.4	366.0	397.7	409.3	409.3
52.5°	3853.5	3285.7	1775.5	432.3	345.9	348.8	366.0	363.2	389.1	406.4	412.2
55°	4144.7	3527.9	1625.6	409.3	343.0	345.9	366.0	366.0	383.3	397.7	406.4
57.5°	4274.4	3631.6	1371.9	386.2	334.3	343.0	357.4	360.3	380.5	389.1	386.2
60°	4421.3	3761.3	1124.1	360.3	319.9	337.2	343.0	354.5	368.9	368.9	366.0
62.5°	4510.7	3793.0	936.7	331.5	302.6	317.0	317.0	328.6	340.1	340.1	340.1
65°	4553.9	3761.3	700.4	305.5	282.5	294.0	291.1	296.9	305.5	291.1	291.1
67.5°	4383.9	3643.1	484.2	270.9	259.4	270.9	268.0	270.9	268.0	256.5	259.4
70°	4092.8	3311.7	334.3	230.6	227.7	247.9	250.8	245.0	227.7	219.0	219.0
72.5°	3726.7	2657.4	230.6	184.5	193.1	219.0	224.8	213.3	196.0	187.3	187.3
75°	3380.9	2297.1	164.3	126.8	129.7	167.2	178.7	178.7	172.9	230.6	245.0
77.5°	2351.9	1487.2	95.1	66.3	63.4	95.1	109.5	112.4	216.2	233.5	227.7
80°	1395.0	700.4	69.2	40.4	40.4	54.8	74.9	147.0	247.9	167.2	149.9
82.5°	533.2	268.0	43.2	25.9	23.1	28.8	43.2	227.7	144.1	95.1	86.5
85°	193.1	66.3	20.2	14.4	14.4	17.3	25.9	193.1	100.9	72.1	69.2
87.5°	2.9	2.9	5.8	5.8	5.8	2.9	2.9	5.8	5.8	5.8	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)