

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: P690942

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690942
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-T2-7050-U0
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE II OPTIC AND U0 SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8478 lumens
Efficiency: N/A
Efficacy: 139.0 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

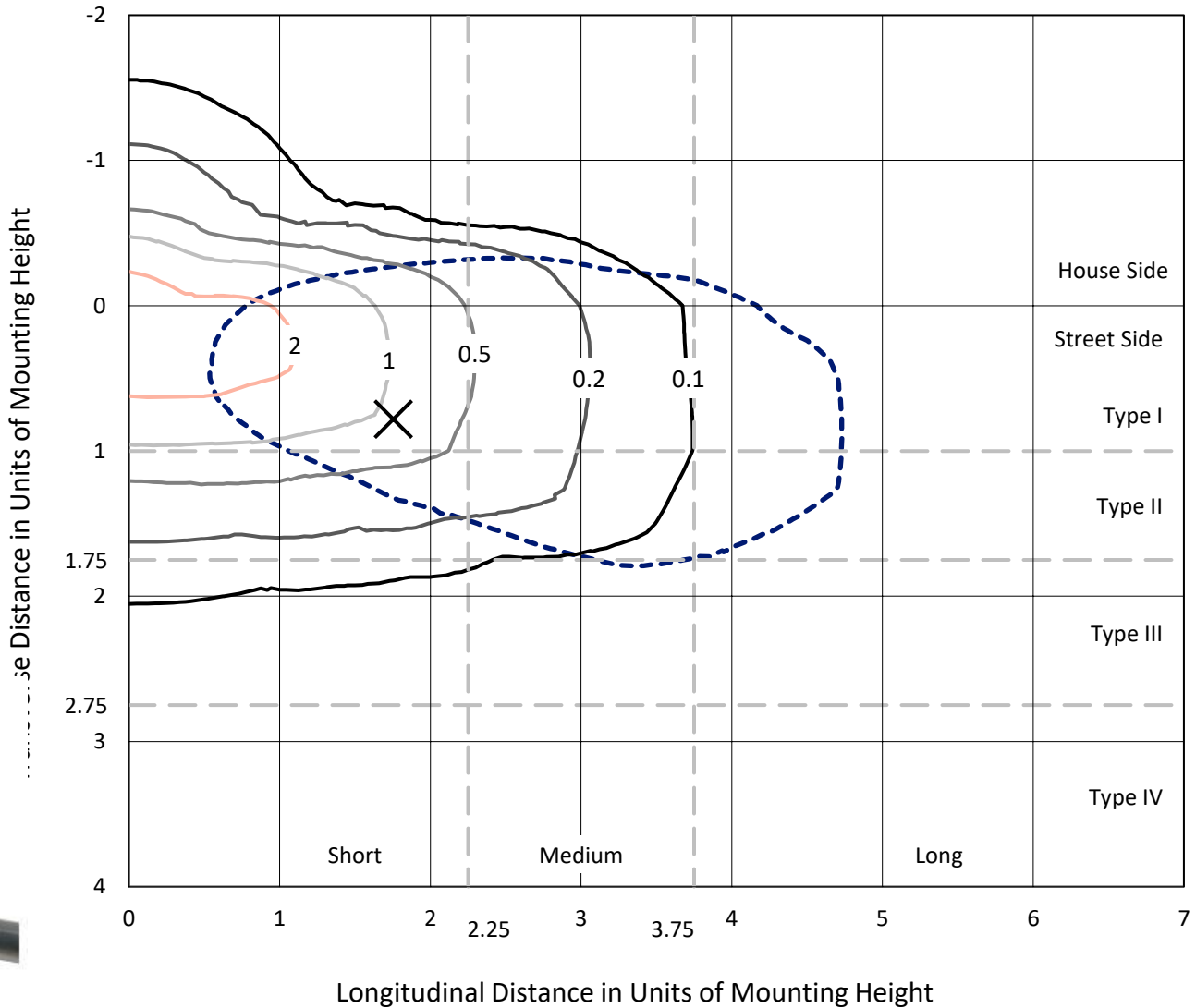
Input Watts (W): 61
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

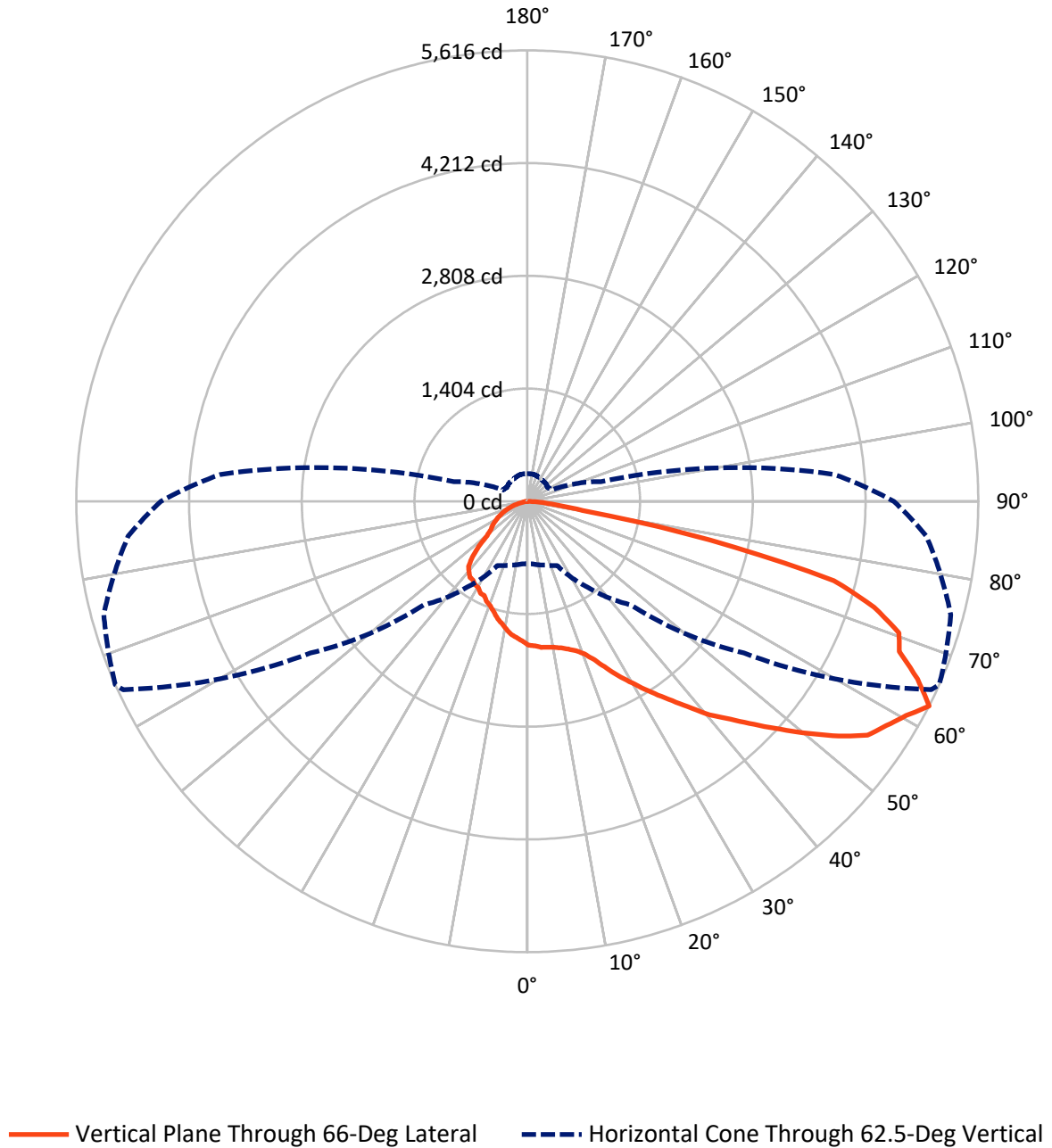
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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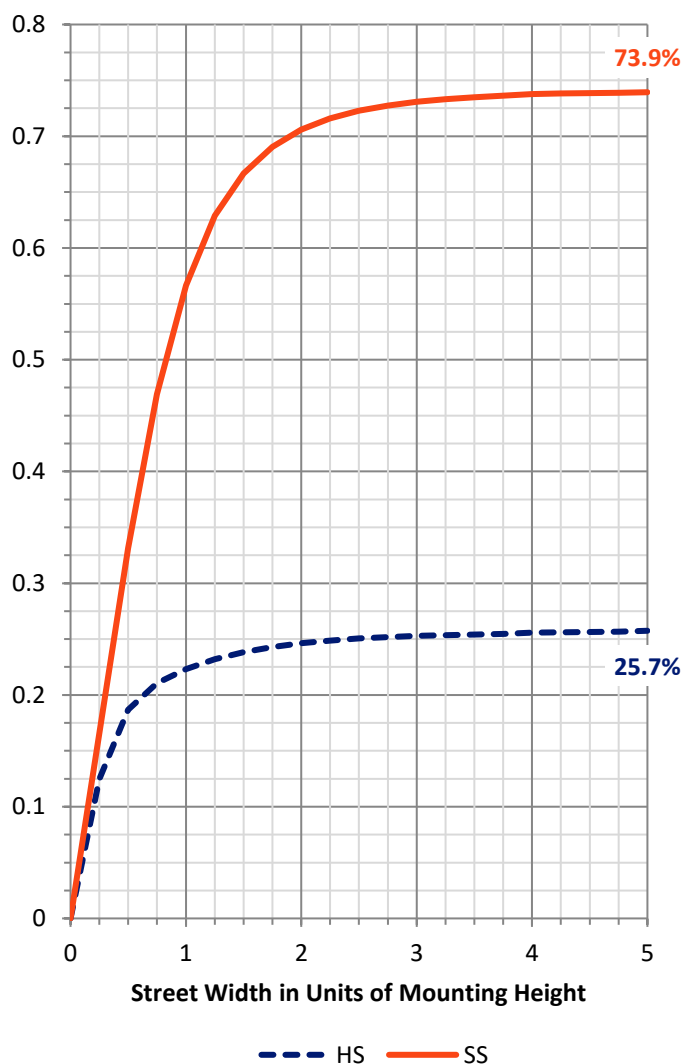
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2215.3	0.0	2215.3
	% Fixture	26.1	0.0	26.1
Street Side	Lumens	6262.7	0.0	6262.7
	% Fixture	73.9	0.0	73.9
Total	Lumens	8478.0	0.0	8478.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.8	2.0
10°-20°	476.1	5.6
20°-30°	773.1	9.1
30°-40°	1115.0	13.2
40°-50°	1450.3	17.1
50°-60°	1684.6	19.9
60°-70°	1666.7	19.7
70°-80°	1032.4	12.2
80°-90°	112.1	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°	8478.0	100.0
0°-180°	8478.0	100.0

Coefficient of Utilization



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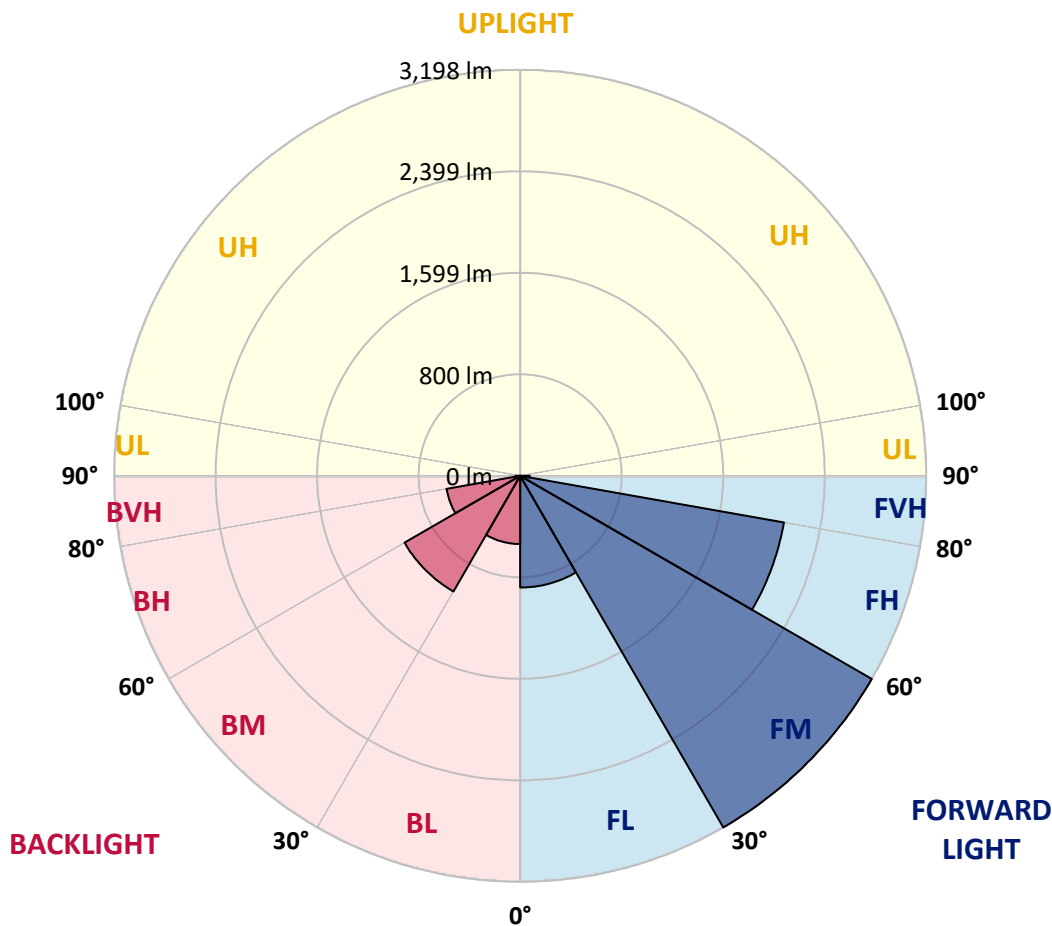
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	879.6	10.4			
FM (30°-60°)	3198.0	37.7			
FH (60°-80°)	2109.9	24.9			G2/5000
FVH (80°-90°)	75.2	0.9			G1/100
BL (0°-30°)	537.4	6.3	B2/1000		
BM (30°-60°)	1051.9	12.4	B2/2500		
BH (60°-80°)	589.1	6.9	B2/1000		G2/1000
BVH (80°-90°)	36.9	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1793.3	1793.3	1793.3	1793.3	1793.3	1793.3	1793.3	1793.3	1793.3	1793.3	1793.3
2.5°	1857.5	1857.5	1863.3	1842.9	1831.2	1822.5	1813.7	1805.0	1802.1	1793.3	1781.6
5°	1939.1	1939.1	1942.0	1921.6	1898.3	1872.0	1845.8	1828.3	1828.3	1807.9	1778.7
7.5°	1982.8	1982.8	1982.8	1959.5	1944.9	1927.4	1886.6	1837.0	1834.1	1813.7	1772.9
10°	1982.8	1982.8	1994.5	1959.5	1947.8	1930.4	1907.0	1854.5	1848.7	1802.1	1746.6
12.5°	2017.8	2023.7	2017.8	1979.9	1968.3	1953.7	1921.6	1877.9	1874.9	1813.7	1735.0
15°	2067.4	2070.3	2061.6	2035.3	2023.7	2000.3	1962.4	1915.8	1909.9	1837.0	1743.7
17.5°	2079.1	2082.0	2087.8	2055.7	2055.7	2047.0	2026.6	1971.2	1956.6	1892.4	1770.0
20°	2073.2	2076.1	2084.9	2079.1	2082.0	2076.1	2090.7	2044.1	2026.6	1956.6	1810.8
22.5°	2099.5	2105.3	2122.8	2125.7	2137.4	2149.0	2154.9	2157.8	2146.1	2064.5	1895.4
25°	2108.2	2125.7	2149.0	2181.1	2221.9	2245.3	2277.3	2309.4	2306.5	2224.9	2035.3
27.5°	2067.4	2087.8	2160.7	2210.3	2300.7	2364.8	2437.7	2481.5	2481.5	2414.4	2195.7
30°	2105.3	2114.1	2152.0	2221.9	2326.9	2472.7	2586.4	2641.8	2647.7	2603.9	2353.2
32.5°	2026.6	2047.0	2140.3	2274.4	2434.8	2595.2	2708.9	2828.5	2834.3	2819.7	2583.5
35°	2017.8	2029.5	2082.0	2224.9	2431.9	2708.9	2860.5	3012.2	3026.7	3044.2	2808.1
37.5°	1927.4	1950.8	2052.8	2230.7	2513.5	2784.7	2988.8	3222.1	3245.4	3300.8	3000.5
40°	1831.2	1848.7	1933.3	2125.7	2487.3	2880.9	3114.2	3470.0	3499.1	3545.8	3265.9
42.5°	1700.0	1735.0	1880.8	2082.0	2475.6	2910.1	3254.2	3697.4	3709.1	3790.7	3475.8
45°	1577.5	1589.2	1700.0	1930.4	2373.6	2953.8	3359.2	3954.0	3962.8	4015.3	3650.8
47.5°	1478.4	1493.0	1606.7	1802.1	2280.3	2942.2	3464.1	4201.9	4242.7	4301.0	3863.6
50°	1172.2	1204.3	1504.6	1691.2	2119.9	2921.8	3548.7	4499.3	4546.0	4601.4	4091.1
52.5°	1011.8	1026.4	1178.0	1580.4	1962.4	2834.3	3627.4	4802.6	4858.0	4828.8	4379.7
55°	941.8	950.6	1020.6	1361.7	1822.5	2668.1	3685.7	5085.4	5143.7	5003.8	4607.2
57.5°	892.3	903.9	944.8	1113.9	1665.0	2376.5	3691.6	5251.6	5272.0	5149.6	4700.5
60°	825.2	834.0	892.3	973.9	1481.3	2070.3	3586.6	5324.5	5420.7	5304.1	4910.4
62.5°	775.6	784.4	822.3	883.5	1303.4	1825.4	3295.0	5552.0	5616.1	5458.6	4989.2
65°	717.3	717.3	755.2	816.5	1189.7	1676.7	3143.4	5479.1	5339.1	5414.9	5085.4
67.5°	632.8	638.6	676.5	726.1	997.3	1533.8	2770.1	5140.8	4995.0	5205.0	4831.7
70°	562.8	556.9	597.8	635.7	816.5	1353.0	2294.8	4790.9	4910.4	4887.1	4598.4
72.5°	469.5	463.6	498.6	539.4	659.0	1122.6	1813.7	4446.8	4516.8	4371.0	4079.4
75°	364.5	329.5	379.1	431.6	519.0	889.4	1285.9	3682.8	3945.3	4120.2	3478.7
77.5°	58.3	58.3	72.9	102.1	169.1	452.0	574.4	2023.7	2321.1	3507.9	3050.1
80°	46.7	46.7	52.5	70.0	102.1	247.9	192.5	626.9	699.8	1513.4	1755.4
82.5°	26.2	26.2	37.9	46.7	64.2	75.8	84.6	306.2	341.2	536.5	679.4
85°	14.6	14.6	20.4	23.3	26.2	26.2	26.2	140.0	157.5	285.8	309.1
87.5°	8.7	8.7	8.7	8.7	8.7	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1793.3	1793.3	1793.3	1793.3	1793.3	1793.3	1793.3	1793.3	1793.3	1793.3	1793.3
2.5°	1775.8	1767.1	1752.5	1740.8	1732.1	1723.3	1708.7	1700.0	1700.0	1714.6	1717.5
5°	1761.2	1740.8	1714.6	1702.9	1688.3	1673.7	1650.4	1638.8	1635.8	1644.6	1650.4
7.5°	1749.6	1720.4	1694.2	1665.0	1621.3	1583.4	1562.9	1548.4	1554.2	1568.8	1562.9
10°	1714.6	1688.3	1647.5	1603.8	1551.3	1519.2	1487.1	1469.6	1472.6	1481.3	1472.6
12.5°	1700.0	1665.0	1597.9	1545.4	1498.8	1437.6	1396.7	1370.5	1370.5	1385.1	1385.1
15°	1700.0	1647.5	1557.1	1493.0	1420.1	1358.8	1312.2	1288.8	1303.4	1294.7	1288.8
17.5°	1714.6	1632.9	1530.9	1423.0	1335.5	1274.3	1218.9	1186.8	1195.5	1201.4	1195.5
20°	1732.1	1632.9	1498.8	1367.6	1265.5	1178.0	1116.8	1081.8	1078.9	1081.8	1087.6
22.5°	1790.4	1670.8	1478.4	1332.6	1178.0	1093.5	1032.2	971.0	968.1	965.2	971.0
25°	1889.5	1740.8	1493.0	1268.4	1128.5	1003.1	927.3	874.8	857.3	854.4	860.2
27.5°	2052.8	1863.3	1516.3	1259.7	1038.1	924.4	831.0	772.7	755.2	761.1	758.1
30°	2230.7	2020.7	1583.4	1198.5	985.6	807.7	720.2	670.7	653.2	641.5	644.4
32.5°	2361.9	2178.2	1667.9	1178.0	883.5	682.3	618.2	589.0	568.6	554.0	551.1
35°	2568.9	2312.3	1743.7	1131.4	793.1	600.7	548.2	516.1	504.5	495.7	495.7
37.5°	2767.2	2475.6	1819.5	1116.8	676.5	545.3	481.1	460.7	454.9	449.1	449.1
40°	2965.5	2641.8	1863.3	1058.5	583.2	478.2	417.0	414.1	422.8	417.0	419.9
42.5°	3210.5	2813.9	1907.0	1003.1	516.1	408.2	373.2	396.6	414.1	417.0	417.0
45°	3379.6	2930.5	1924.5	869.0	446.1	355.7	364.5	390.7	411.1	419.9	417.0
47.5°	3534.1	3088.0	1898.3	705.7	387.8	347.0	361.6	379.1	408.2	419.9	419.9
50°	3685.7	3219.2	1874.9	522.0	367.4	349.9	361.6	370.3	402.4	414.1	414.1
52.5°	3898.6	3324.2	1796.2	437.4	349.9	352.8	370.3	367.4	393.7	411.1	417.0
55°	4193.1	3569.1	1644.6	414.1	347.0	349.9	370.3	370.3	387.8	402.4	411.1
57.5°	4324.3	3674.1	1388.0	390.7	338.2	347.0	361.6	364.5	384.9	393.7	390.7
60°	4473.1	3805.3	1137.2	364.5	323.7	341.2	347.0	358.7	373.2	373.2	370.3
62.5°	4563.4	3837.4	947.7	335.3	306.2	320.8	320.8	332.4	344.1	344.1	344.1
65°	4607.2	3805.3	708.6	309.1	285.8	297.4	294.5	300.3	309.1	294.5	294.5
67.5°	4435.1	3685.7	489.9	274.1	262.4	274.1	271.2	274.1	271.2	259.5	262.4
70°	4140.6	3350.4	338.2	233.3	230.4	250.8	253.7	247.9	230.4	221.6	221.6
72.5°	3770.3	2688.5	233.3	186.6	195.4	221.6	227.4	215.8	198.3	189.5	189.5
75°	3420.4	2324.0	166.2	128.3	131.2	169.1	180.8	180.8	175.0	233.3	247.9
77.5°	2379.4	1504.6	96.2	67.1	64.2	96.2	110.8	113.7	218.7	236.2	230.4
80°	1411.3	708.6	70.0	40.8	40.8	55.4	75.8	148.7	250.8	169.1	151.6
82.5°	539.4	271.2	43.7	26.2	23.3	29.2	43.7	230.4	145.8	96.2	87.5
85°	195.4	67.1	20.4	14.6	14.6	17.5	26.2	195.4	102.1	72.9	70.0
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)