

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: P691778

Luminaire Tested: **CRTK2-C01H-5TLD-U-T2-8027-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691778
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-C01H-5TLD-U-T2-8027-U0
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE II OPTIC AND U0 SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8536 lumens
Efficiency: N/A
Efficacy: 114.0 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 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

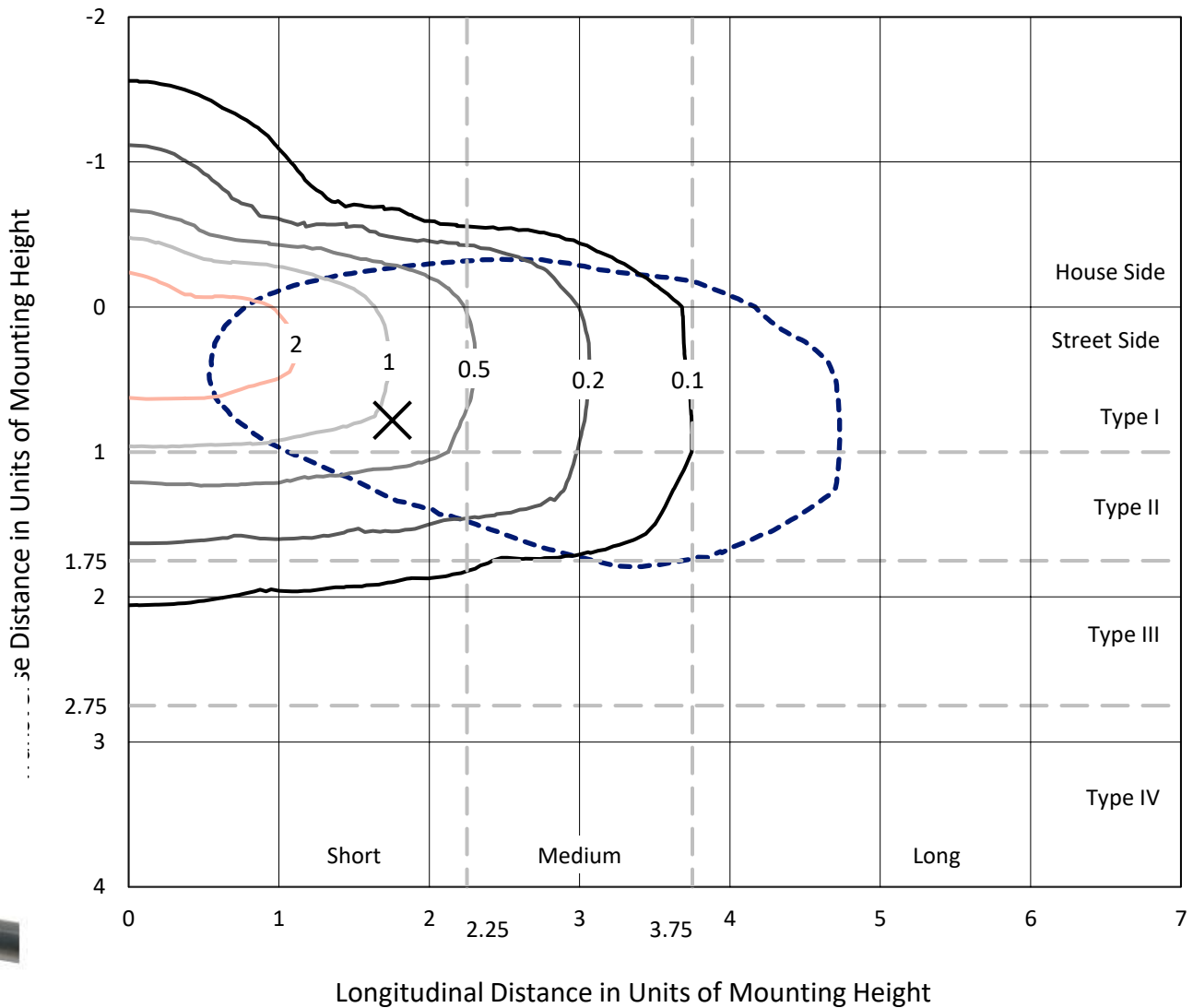


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

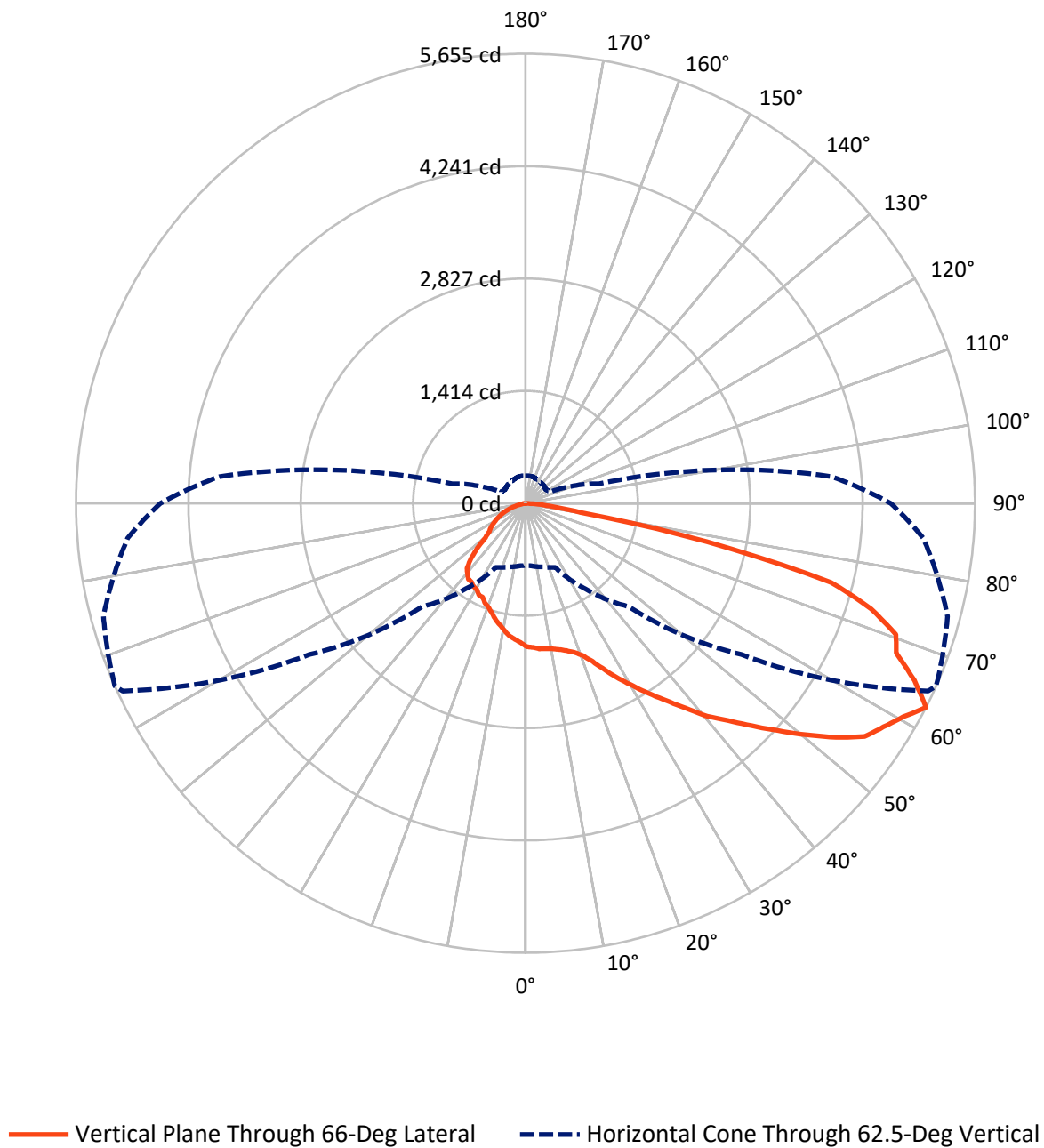


Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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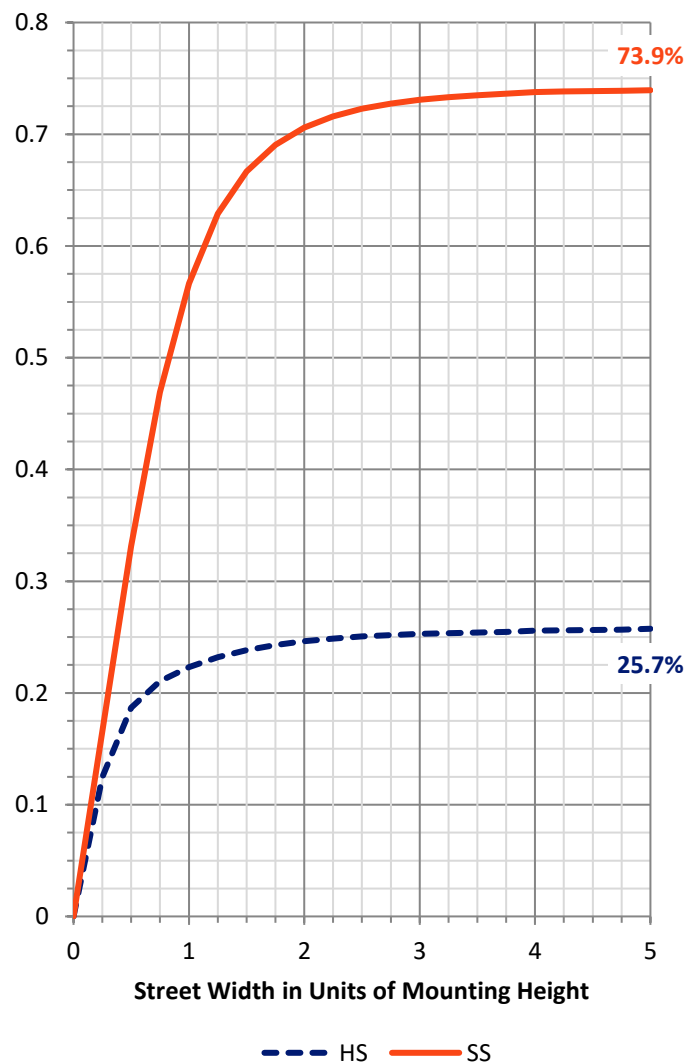
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2230.4	0.0	2230.4
	% Fixture	26.1	0.0	26.1
Street Side	Lumens	6305.6	0.0	6305.6
	% Fixture	73.9	0.0	73.9
Total	Lumens	8536.0	0.0	8536.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.9	2.0
10°-20°	479.4	5.6
20°-30°	778.4	9.1
30°-40°	1122.6	13.2
40°-50°	1460.3	17.1
50°-60°	1696.1	19.9
60°-70°	1678.1	19.7
70°-80°	1039.4	12.2
80°-90°	112.9	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°	8536.0	100.0
0°-180°	8536.0	100.0

Coefficient of Utilization



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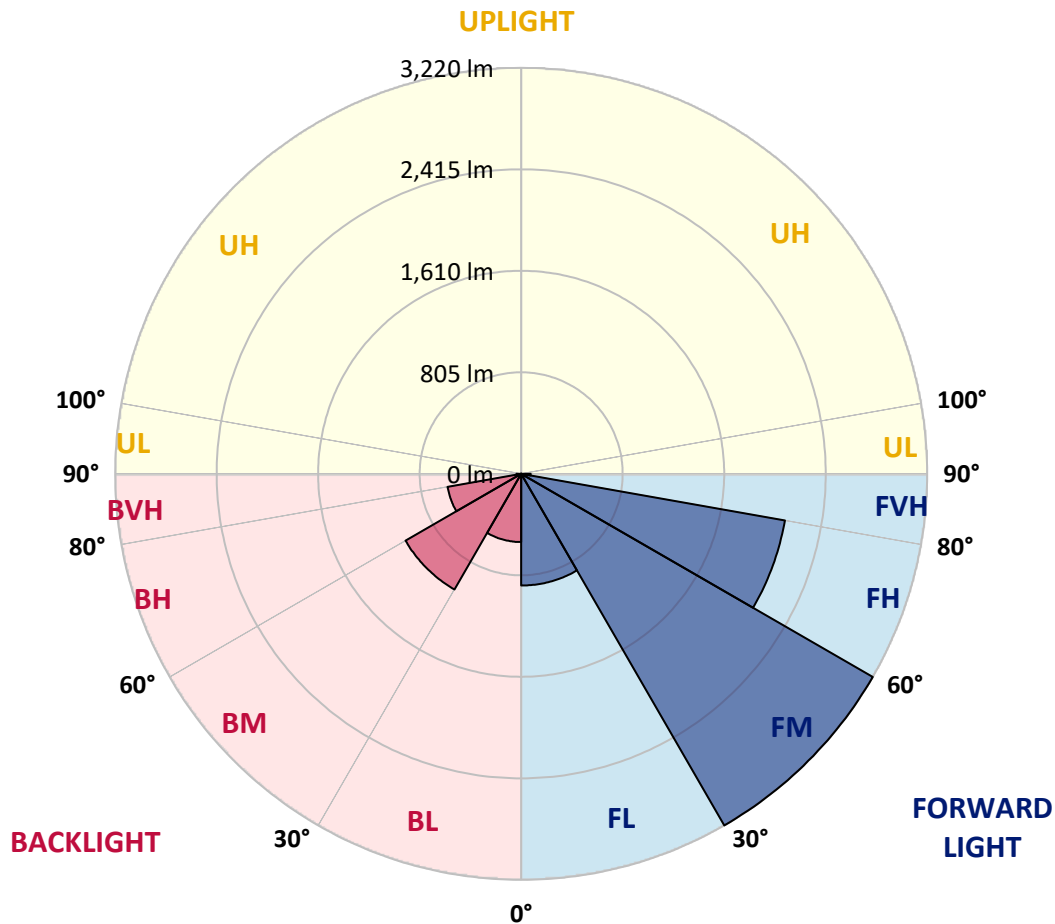
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	885.6	10.4			
FM	(30°-60°)	3219.9	37.7			
FH	(60°-80°)	2124.4	24.9			G2/5000
FVH	(80°-90°)	75.7	0.9			G1/100
BL	(0°-30°)	541.0	6.3	B2/1000		
BM	(30°-60°)	1059.1	12.4	B2/2500		
BH	(60°-80°)	593.1	6.9	B2/1000		G2/1000
BVH	(80°-90°)	37.2	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°	1805.6	1805.6	1805.6	1805.6	1805.6	1805.6	1805.6	1805.6	1805.6	1805.6	1805.6
2.5°	1870.2	1870.2	1876.0	1855.5	1843.7	1834.9	1826.1	1817.3	1814.4	1805.6	1793.8
5°	1952.4	1952.4	1955.3	1934.8	1911.3	1884.8	1858.4	1840.8	1840.8	1820.3	1790.9
7.5°	1996.4	1996.4	1996.4	1972.9	1958.2	1940.6	1899.5	1849.6	1846.7	1826.1	1785.0
10°	1996.4	1996.4	2008.1	1972.9	1961.2	1943.6	1920.1	1867.2	1861.4	1814.4	1758.6
12.5°	2031.6	2037.5	2031.6	1993.5	1981.7	1967.0	1934.8	1890.7	1887.8	1826.1	1746.9
15°	2081.5	2084.5	2075.7	2049.3	2037.5	2014.0	1975.9	1928.9	1923.0	1849.6	1755.7
17.5°	2093.3	2096.2	2102.1	2069.8	2069.8	2061.0	2040.4	1984.7	1970.0	1905.4	1782.1
20°	2087.4	2090.4	2099.2	2093.3	2096.2	2090.4	2105.0	2058.1	2040.4	1970.0	1823.2
22.5°	2113.8	2119.7	2137.3	2140.3	2152.0	2163.8	2169.6	2172.6	2160.8	2078.6	1908.3
25°	2122.6	2140.3	2163.8	2196.0	2237.1	2260.6	2292.9	2325.2	2322.3	2240.1	2049.3
27.5°	2081.5	2102.1	2175.5	2225.4	2316.4	2381.0	2454.4	2498.4	2498.4	2430.9	2210.7
30°	2119.7	2128.5	2166.7	2237.1	2342.8	2489.6	2604.1	2659.9	2665.8	2621.7	2369.3
32.5°	2040.4	2061.0	2154.9	2290.0	2451.5	2612.9	2727.4	2847.8	2853.7	2839.0	2601.2
35°	2031.6	2043.4	2096.2	2240.1	2448.5	2727.4	2880.1	3032.8	3047.5	3065.1	2827.3
37.5°	1940.6	1964.1	2066.9	2246.0	2530.7	2803.8	3009.3	3244.2	3267.6	3323.4	3021.0
40°	1843.7	1861.4	1946.5	2140.3	2504.3	2900.7	3135.5	3493.7	3523.1	3570.0	3288.2
42.5°	1711.6	1746.9	1893.6	2096.2	2492.6	2930.0	3276.5	3722.7	3734.5	3816.7	3499.6
45°	1588.3	1600.1	1711.6	1943.6	2389.8	2974.1	3382.1	3981.1	3989.9	4042.7	3675.7
47.5°	1488.5	1503.2	1617.7	1814.4	2295.9	2962.3	3487.8	4230.6	4271.7	4330.4	3890.1
50°	1180.2	1212.5	1514.9	1702.8	2134.4	2941.8	3573.0	4530.1	4577.1	4632.8	4119.1
52.5°	1018.8	1033.4	1186.1	1591.3	1975.9	2853.7	3652.2	4835.4	4891.2	4861.8	4409.7
55°	948.3	957.1	1027.6	1371.1	1834.9	2686.3	3711.0	5120.2	5178.9	5038.0	4638.7
57.5°	898.4	910.1	951.2	1121.5	1676.4	2392.7	3716.8	5287.5	5308.1	5184.8	4732.7
60°	830.9	839.7	898.4	980.6	1491.4	2084.5	3611.1	5360.9	5457.8	5340.4	4944.0
62.5°	780.9	789.8	827.9	889.6	1312.3	1837.9	3317.6	5589.9	5654.5	5496.0	5023.3
65°	722.2	722.2	760.4	822.0	1197.8	1688.1	3164.9	5516.5	5375.6	5451.9	5120.2
67.5°	637.1	643.0	681.1	731.0	1004.1	1544.3	2789.1	5176.0	5029.2	5240.6	4864.8
70°	566.6	560.8	601.9	640.0	822.0	1362.3	2310.5	4823.7	4944.0	4920.6	4629.9
72.5°	472.7	466.8	502.0	543.1	663.5	1130.3	1826.1	4477.2	4547.7	4400.9	4107.3
75°	367.0	331.8	381.7	434.5	522.6	895.4	1294.7	3708.0	3972.3	4148.4	3502.5
77.5°	58.7	58.7	73.4	102.8	170.3	455.1	578.4	2037.5	2337.0	3531.9	3070.9
80°	47.0	47.0	52.8	70.5	102.8	249.6	193.8	631.2	704.6	1523.7	1767.4
82.5°	26.4	26.4	38.2	47.0	64.6	76.3	85.1	308.3	343.5	540.2	684.1
85°	14.7	14.7	20.6	23.5	26.4	26.4	26.4	140.9	158.5	287.7	311.2
87.5°	8.8	8.8	8.8	8.8	8.8	5.9	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°	1805.6	1805.6	1805.6	1805.6	1805.6	1805.6	1805.6	1805.6	1805.6	1805.6	1805.6
2.5°	1788.0	1779.1	1764.5	1752.7	1743.9	1735.1	1720.4	1711.6	1711.6	1726.3	1729.2
5°	1773.3	1752.7	1726.3	1714.6	1699.9	1685.2	1661.7	1650.0	1647.0	1655.8	1661.7
7.5°	1761.5	1732.2	1705.8	1676.4	1632.4	1594.2	1573.6	1559.0	1564.8	1579.5	1573.6
10°	1726.3	1699.9	1658.8	1614.7	1561.9	1529.6	1497.3	1479.7	1482.6	1491.4	1482.6
12.5°	1711.6	1676.4	1608.9	1556.0	1509.0	1447.4	1406.3	1379.9	1379.9	1394.5	1394.5
15°	1711.6	1658.8	1567.8	1503.2	1429.8	1368.1	1321.2	1297.7	1312.3	1303.5	1297.7
17.5°	1726.3	1644.1	1541.3	1432.7	1344.6	1283.0	1227.2	1194.9	1203.7	1209.6	1203.7
20°	1743.9	1644.1	1509.0	1376.9	1274.2	1186.1	1124.4	1089.2	1086.3	1089.2	1095.1
22.5°	1802.6	1682.3	1488.5	1341.7	1186.1	1101.0	1039.3	977.7	974.7	971.8	977.7
25°	1902.5	1752.7	1503.2	1277.1	1136.2	1009.9	933.6	880.8	863.2	860.2	866.1
27.5°	2066.9	1876.0	1526.7	1268.3	1045.2	930.7	836.7	778.0	760.4	766.3	763.3
30°	2246.0	2034.6	1594.2	1206.7	992.3	813.2	725.2	675.3	657.6	645.9	648.8
32.5°	2378.1	2193.1	1679.3	1186.1	889.6	687.0	622.4	593.0	572.5	557.8	554.9
35°	2586.5	2328.2	1755.7	1139.1	798.6	604.8	551.9	519.7	507.9	499.1	499.1
37.5°	2786.2	2492.6	1832.0	1124.4	681.1	549.0	484.4	463.9	458.0	452.1	452.1
40°	2985.8	2659.9	1876.0	1065.7	587.2	481.5	419.8	416.9	425.7	419.8	422.8
42.5°	3232.4	2833.1	1920.1	1009.9	519.7	411.0	375.8	399.3	416.9	419.8	419.8
45°	3402.7	2950.6	1937.7	874.9	449.2	358.2	367.0	393.4	414.0	422.8	419.8
47.5°	3558.3	3109.1	1911.3	710.5	390.5	349.4	364.1	381.7	411.0	422.8	422.8
50°	3711.0	3241.2	1887.8	525.5	369.9	352.3	364.1	372.9	405.2	416.9	416.9
52.5°	3925.3	3346.9	1808.5	440.4	352.3	355.2	372.9	369.9	396.3	414.0	419.8
55°	4221.8	3593.5	1655.8	416.9	349.4	352.3	372.9	372.9	390.5	405.2	414.0
57.5°	4353.9	3699.2	1397.5	393.4	340.6	349.4	364.1	367.0	387.5	396.3	393.4
60°	4503.7	3831.3	1145.0	367.0	325.9	343.5	349.4	361.1	375.8	375.8	372.9
62.5°	4594.7	3863.6	954.2	337.6	308.3	322.9	322.9	334.7	346.4	346.4	346.4
65°	4638.7	3831.3	713.4	311.2	287.7	299.5	296.5	302.4	311.2	296.5	296.5
67.5°	4465.5	3711.0	493.2	276.0	264.2	276.0	273.0	276.0	273.0	261.3	264.2
70°	4169.0	3373.3	340.6	234.9	231.9	252.5	255.4	249.6	231.9	223.1	223.1
72.5°	3796.1	2706.9	234.9	187.9	196.7	223.1	229.0	217.3	199.6	190.8	190.8
75°	3443.8	2339.9	167.3	129.2	132.1	170.3	182.0	182.0	176.2	234.9	249.6
77.5°	2395.7	1514.9	96.9	67.5	64.6	96.9	111.6	114.5	220.2	237.8	231.9
80°	1421.0	713.4	70.5	41.1	41.1	55.8	76.3	149.7	252.5	170.3	152.7
82.5°	543.1	273.0	44.0	26.4	23.5	29.4	44.0	231.9	146.8	96.9	88.1
85°	196.7	67.5	20.6	14.7	14.7	17.6	26.4	196.7	102.8	73.4	70.5
87.5°	2.9	2.9	5.9	5.9	5.9	2.9	2.9	5.9	5.9	5.9	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)