

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: P691994

Luminaire Tested: **CRTK2-C01HO-D-U-T3-8027-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691994
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-11)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01HO-D-U-T3-8027-U0
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE III OPTIC AND U0 SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9669 lumens
Efficiency: N/A
Efficacy: 122.4 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 79
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

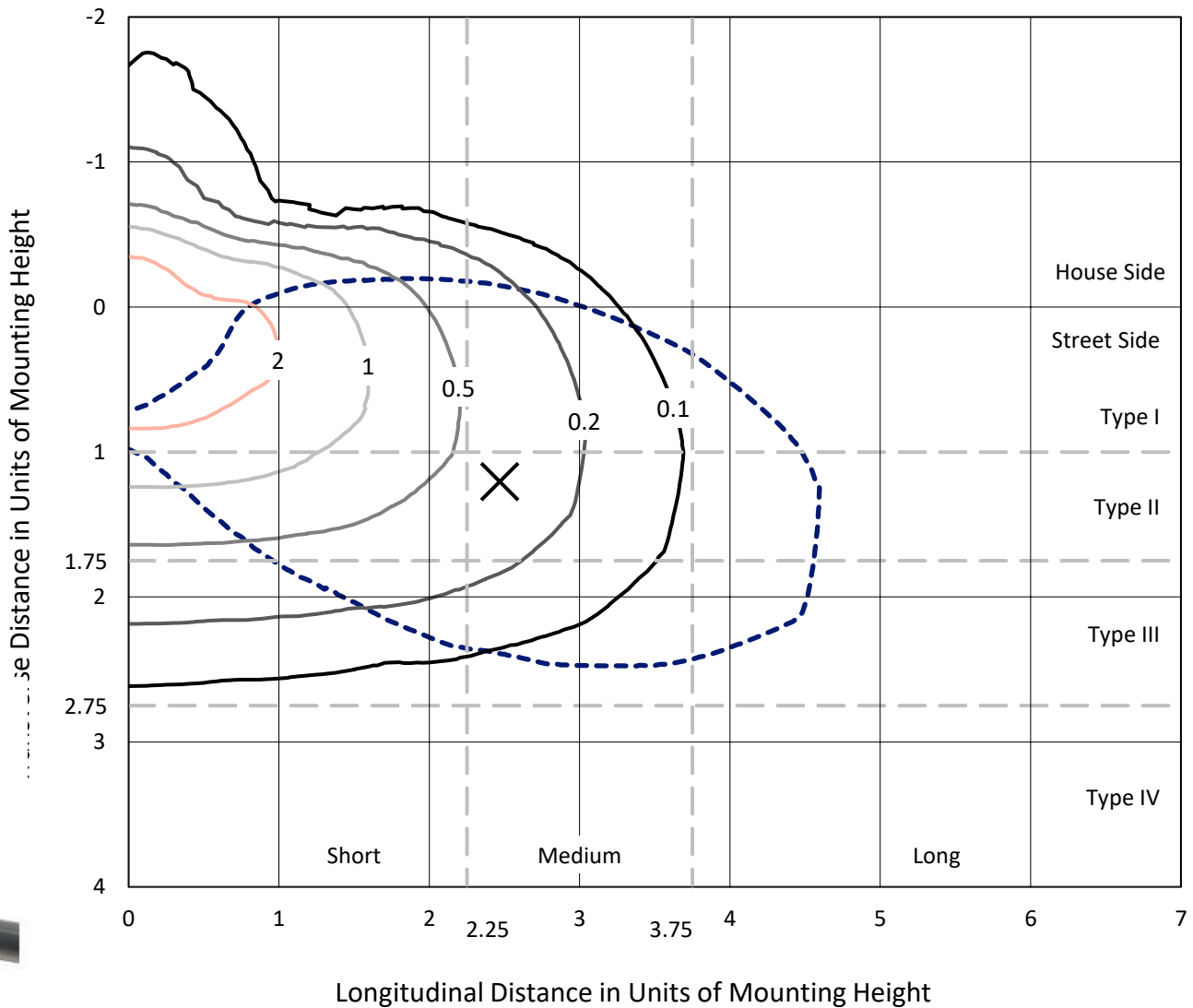


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

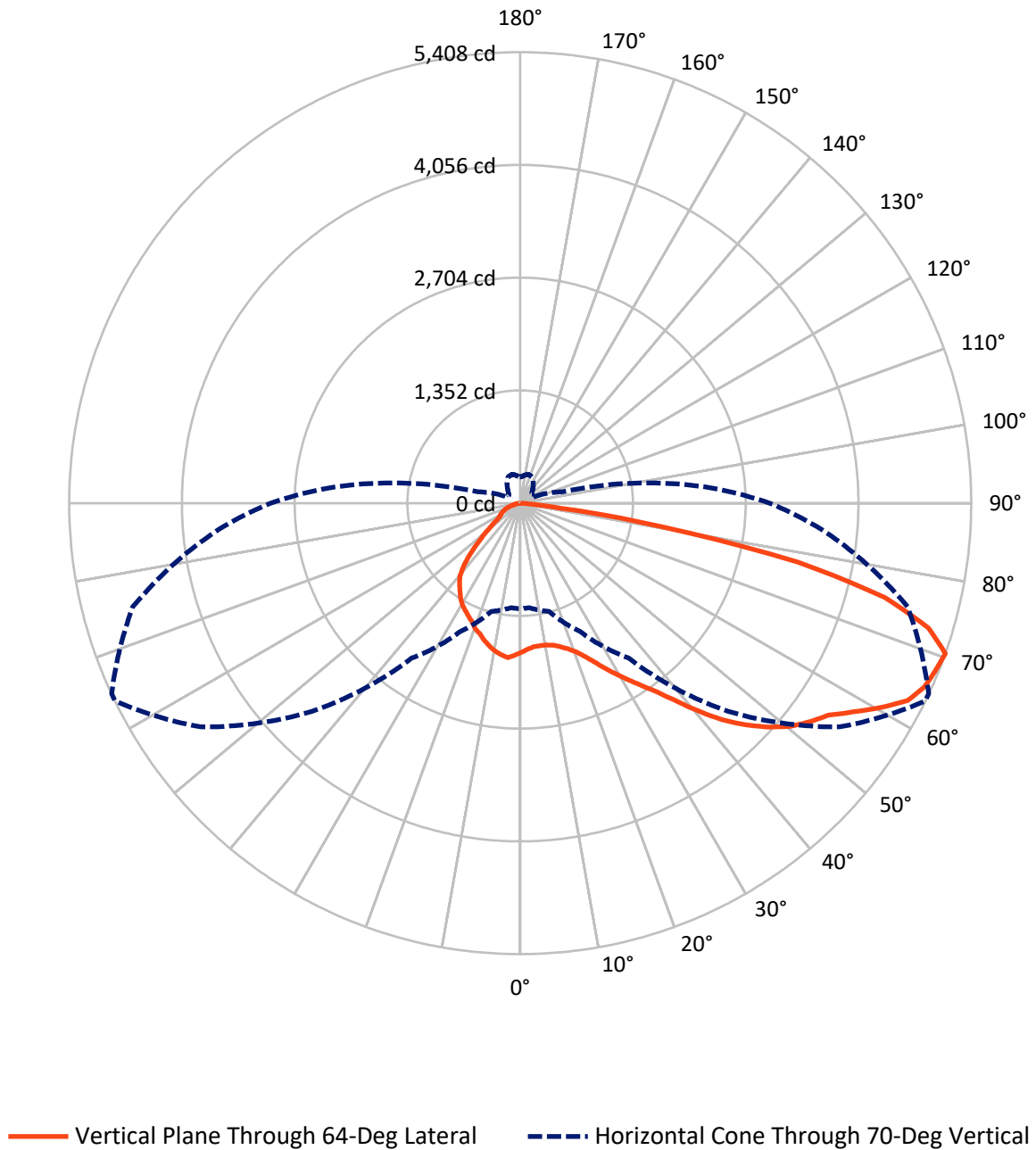


Based on 25 foot mounting height. Maximum calculated value = 3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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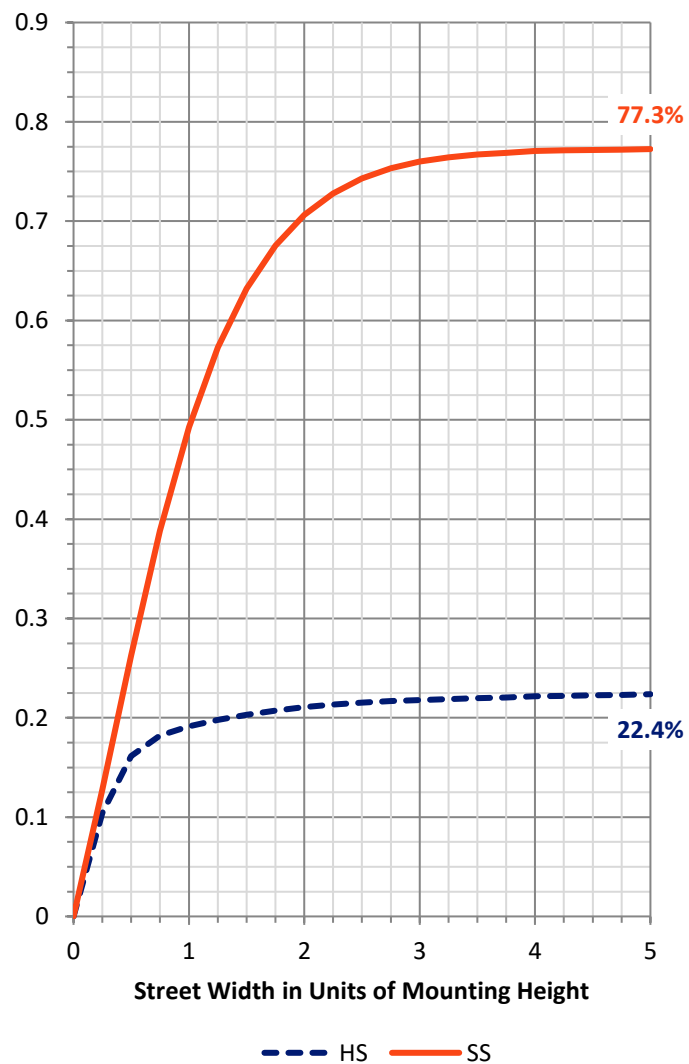
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2196.5	0.0	2196.5
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	7472.5	0.0	7472.5
	% Fixture	77.3	0.0	77.3
Total	Lumens	9669.0	0.0	9669.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.0	1.8
10°-20°	504.2	5.2
20°-30°	837.0	8.7
30°-40°	1197.2	12.4
40°-50°	1598.8	16.5
50°-60°	1932.1	20.0
60°-70°	2056.3	21.3
70°-80°	1263.2	13.1
80°-90°	108.2	1.1
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°	9669.0	100.0
0°-180°	9669.0	100.0

Coefficient of Utilization



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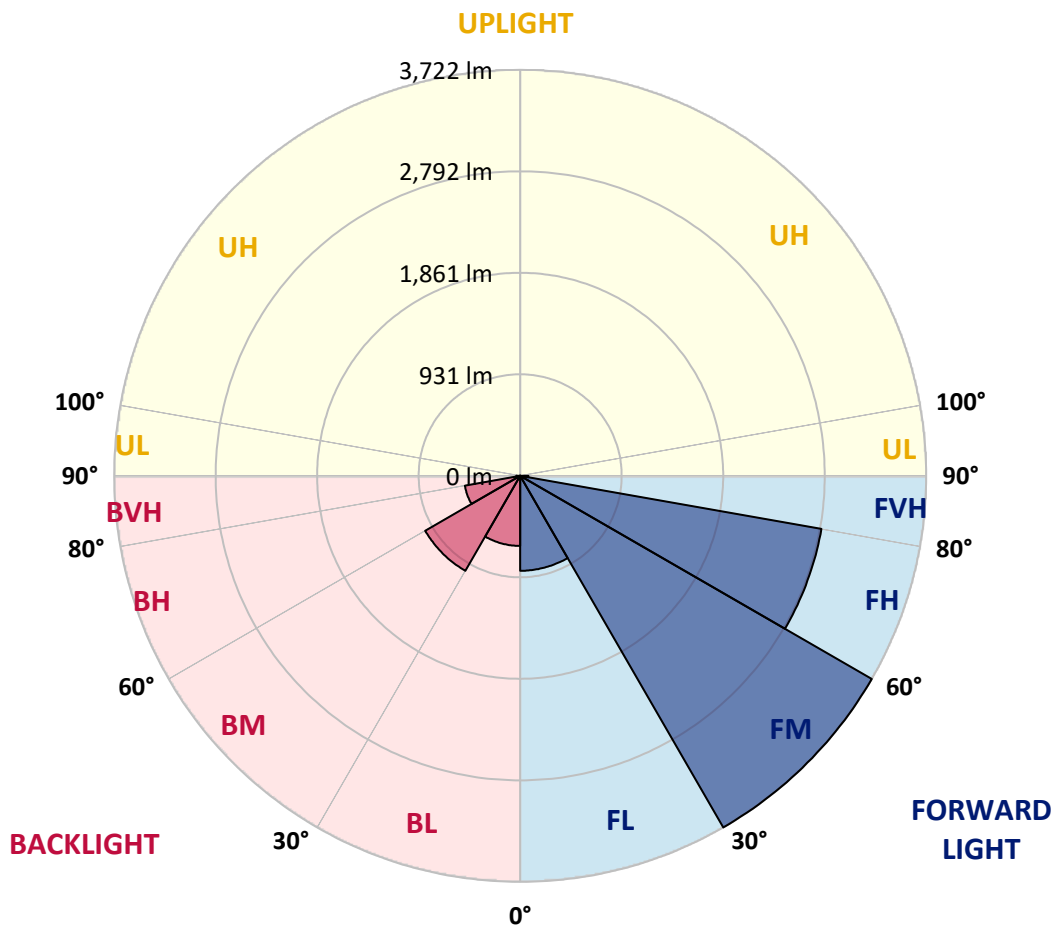
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	870.7	9.0			
FM	(30°-60°)	3722.4	38.5			
FH	(60°-80°)	2804.3	29.0			G2/5000
FVH	(80°-90°)	75.1	0.8			G1/100
BL	(0°-30°)	642.6	6.6	B2/1000		
BM	(30°-60°)	1005.7	10.4	B2/2500		
BH	(60°-80°)	515.1	5.3	B2/1000		G2/1000
BVH	(80°-90°)	33.0	0.3			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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1788.3	1788.3	1788.3	1788.3	1788.3	1788.3	1788.3	1788.3	1788.3	1788.3	1788.3
2.5°	1745.6	1745.6	1745.6	1745.6	1748.9	1752.1	1748.9	1752.1	1752.1	1758.7	1768.6
5°	1775.2	1775.2	1768.6	1755.4	1745.6	1732.4	1725.8	1729.1	1729.1	1745.6	1771.9
7.5°	1785.0	1785.0	1778.4	1778.4	1768.6	1739.0	1729.1	1725.8	1729.1	1735.7	1771.9
10°	1834.3	1831.0	1814.6	1794.9	1781.7	1755.4	1732.4	1729.1	1732.4	1742.3	1781.7
12.5°	1886.9	1886.9	1880.4	1863.9	1827.8	1801.5	1762.0	1748.9	1745.6	1755.4	1778.4
15°	1992.1	1979.0	1952.7	1929.7	1903.4	1860.6	1808.0	1785.0	1778.4	1791.6	1781.7
17.5°	2054.6	2044.7	2048.0	2011.8	1988.8	1929.7	1877.1	1834.3	1831.0	1844.2	1801.5
20°	2123.6	2120.3	2126.9	2123.6	2087.5	2034.9	1952.7	1900.1	1893.5	1896.8	1831.0
22.5°	2228.8	2228.8	2225.5	2225.5	2205.8	2143.3	2051.3	1998.7	1988.8	1965.8	1880.4
25°	2343.9	2343.9	2343.9	2350.4	2350.4	2278.1	2186.1	2126.9	2120.3	2087.5	1962.5
27.5°	2452.3	2458.9	2462.2	2465.5	2475.4	2442.5	2340.6	2271.5	2268.3	2225.5	2071.0
30°	2537.8	2541.1	2570.7	2577.3	2597.0	2587.1	2488.5	2422.8	2429.3	2373.4	2192.6
32.5°	2613.4	2616.7	2659.4	2682.5	2705.5	2708.8	2626.6	2580.6	2580.6	2531.2	2340.6
35°	2685.7	2689.0	2741.6	2797.5	2843.5	2830.4	2784.4	2758.1	2767.9	2751.5	2544.4
37.5°	2748.2	2761.4	2830.4	2912.6	2965.2	2975.0	2955.3	2991.5	3011.2	3037.5	2820.5
40°	2807.4	2814.0	2879.7	2965.2	3053.9	3099.9	3123.0	3270.9	3290.6	3310.3	2978.3
42.5°	2751.5	2764.6	2906.0	3034.2	3146.0	3224.9	3333.3	3550.3	3593.0	3484.6	3192.0
45°	2685.7	2702.2	2843.5	3060.5	3218.3	3362.9	3563.5	3793.6	3826.4	3662.1	3307.0
47.5°	2629.9	2649.6	2794.2	3037.5	3293.9	3550.3	3750.8	4010.5	4030.3	3813.3	3464.8
50°	2567.4	2583.8	2738.3	3007.9	3333.3	3721.3	3948.1	4207.8	4214.4	3938.2	3547.0
52.5°	2485.2	2501.7	2659.4	2961.9	3362.9	3836.3	4112.4	4352.4	4326.1	4099.3	3642.4
55°	2380.0	2403.0	2574.0	2899.4	3379.4	3905.3	4224.2	4487.2	4474.0	4290.0	3767.3
57.5°	2268.3	2291.3	2465.5	2814.0	3362.9	3948.1	4339.3	4720.6	4717.3	4444.5	3859.3
60°	2143.3	2163.1	2311.0	2702.2	3274.2	4017.1	4592.4	4973.7	5000.0	4618.7	3895.5
62.5°	1979.0	1982.3	2130.2	2541.1	3159.1	4066.4	4773.2	5213.7	5197.3	4733.7	3902.1
65°	1762.0	1771.9	1903.4	2317.6	2971.7	4027.0	4819.2	5322.2	5322.2	4819.2	3895.5
67.5°	1551.6	1548.3	1660.1	2038.1	2682.5	3852.7	4779.8	5368.2	5391.2	4875.1	3810.0
70°	1265.6	1259.0	1344.5	1696.3	2268.3	3530.6	4677.9	5407.7	5404.4	4809.4	3629.2
72.5°	936.9	933.6	992.8	1285.3	1735.7	3021.1	4375.4	5118.4	5085.5	4493.8	3277.5
75°	519.4	493.1	489.8	795.5	1009.2	2117.0	3718.0	4513.5	4526.6	3971.1	2744.9
77.5°	75.6	78.9	82.2	144.6	174.2	792.2	2416.2	3402.4	3395.8	3063.8	2002.0
80°	52.6	55.9	59.2	72.3	82.2	187.4	835.0	1716.0	1814.6	1610.8	923.7
82.5°	39.4	39.4	42.7	49.3	46.0	85.5	259.7	476.7	493.1	447.1	272.8
85°	26.3	26.3	23.0	26.3	16.4	23.0	59.2	88.8	95.3	92.0	75.6
87.5°	13.1	13.1	9.9	9.9	6.6	6.6	6.6	3.3	6.6	3.3	6.6
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°	1788.3	1788.3	1788.3	1788.3	1788.3	1788.3	1788.3	1788.3	1788.3	1788.3	1788.3
2.5°	1778.4	1785.0	1804.7	1821.2	1840.9	1863.9	1877.1	1890.2	1903.4	1896.8	1906.6
5°	1785.0	1798.2	1827.8	1857.3	1873.8	1877.1	1880.4	1890.2	1909.9	1909.9	1926.4
7.5°	1791.6	1814.6	1814.6	1831.0	1854.1	1860.6	1863.9	1870.5	1880.4	1883.6	1880.4
10°	1791.6	1781.7	1798.2	1801.5	1791.6	1808.0	1817.9	1814.6	1824.5	1827.8	1827.8
12.5°	1771.9	1768.6	1755.4	1755.4	1752.1	1725.8	1725.8	1752.1	1752.1	1768.6	1771.9
15°	1771.9	1745.6	1729.1	1706.1	1683.1	1673.2	1660.1	1640.4	1647.0	1670.0	1676.5
17.5°	1768.6	1739.0	1689.7	1643.7	1627.2	1587.8	1574.6	1574.6	1571.3	1584.5	1587.8
20°	1781.7	1739.0	1663.4	1610.8	1522.0	1508.9	1482.6	1485.9	1489.2	1469.4	1459.6
22.5°	1817.9	1765.3	1643.7	1541.8	1472.7	1413.5	1364.2	1331.4	1328.1	1318.2	1328.1
25°	1873.8	1811.3	1647.0	1502.3	1390.5	1305.1	1272.2	1193.3	1157.1	1160.4	1180.1
27.5°	1975.7	1867.2	1663.4	1459.6	1324.8	1203.2	1098.0	1048.7	1009.2	1009.2	1015.8
30°	2071.0	1952.7	1656.8	1423.4	1222.9	1071.7	936.9	858.0	844.8	831.7	828.4
32.5°	2248.5	2061.2	1722.6	1370.8	1127.6	904.0	769.2	660.8	670.6	673.9	680.5
35°	2426.0	2235.4	1735.7	1305.1	989.5	736.4	595.0	535.8	562.1	568.7	575.3
37.5°	2662.7	2452.3	1824.5	1245.9	848.1	565.4	473.4	447.1	473.4	473.4	476.7
40°	2790.9	2554.3	1896.8	1186.7	664.0	417.5	371.5	351.7	384.6	410.9	417.5
42.5°	2971.7	2685.7	1962.5	1068.4	470.1	312.3	286.0	325.4	378.0	404.3	407.6
45°	3063.8	2751.5	1939.5	910.6	309.0	253.1	279.4	328.7	381.3	407.6	410.9
47.5°	3188.7	2843.5	1893.5	726.5	246.5	249.8	282.7	338.6	391.2	414.2	417.5
50°	3310.3	2938.9	1775.2	578.6	236.7	249.8	289.3	341.9	387.9	404.3	401.1
52.5°	3379.4	3027.6	1623.9	440.5	236.7	253.1	295.9	348.5	384.6	387.9	387.9
55°	3441.8	3037.5	1499.0	341.9	233.4	256.4	302.4	355.0	387.9	387.9	381.3
57.5°	3481.3	2998.0	1403.7	295.9	233.4	256.4	302.4	355.0	404.3	414.2	404.3
60°	3464.8	2922.4	1337.9	276.1	226.8	253.1	299.1	364.9	496.4	519.4	499.7
62.5°	3425.4	2879.7	1196.6	253.1	217.0	243.3	292.6	394.5	532.5	535.8	519.4
65°	3389.2	2738.3	1025.6	226.8	203.8	233.4	282.7	401.1	450.4	433.9	430.6
67.5°	3224.9	2554.3	782.4	200.5	184.1	220.3	272.8	368.2	401.1	381.3	374.8
70°	2991.5	2232.1	522.7	170.9	164.4	203.8	272.8	345.2	358.3	325.4	312.3
72.5°	2564.1	1847.5	286.0	138.1	138.1	187.4	246.5	322.2	332.0	292.6	269.6
75°	2087.5	1337.9	184.1	105.2	105.2	157.8	223.5	305.7	325.4	282.7	253.1
77.5°	1436.6	733.1	128.2	75.6	69.0	121.6	177.5	249.8	289.3	243.3	207.1
80°	486.5	194.0	82.2	49.3	42.7	69.0	118.3	194.0	263.0	249.8	223.5
82.5°	190.7	121.6	55.9	32.9	29.6	32.9	59.2	121.6	210.4	226.8	263.0
85°	55.9	32.9	19.7	16.4	16.4	16.4	16.4	49.3	124.9	164.4	207.1
87.5°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	29.6	52.6	69.0
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)