

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: P691794

Luminaire Tested: **CRTK2-C01H-5TLD-U-T3-7040-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691794
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-C01H-5TLD-U-T3-7040-U0
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE III OPTIC AND U0 SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9834 lumens
Efficiency: N/A
Efficacy: 131.3 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
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

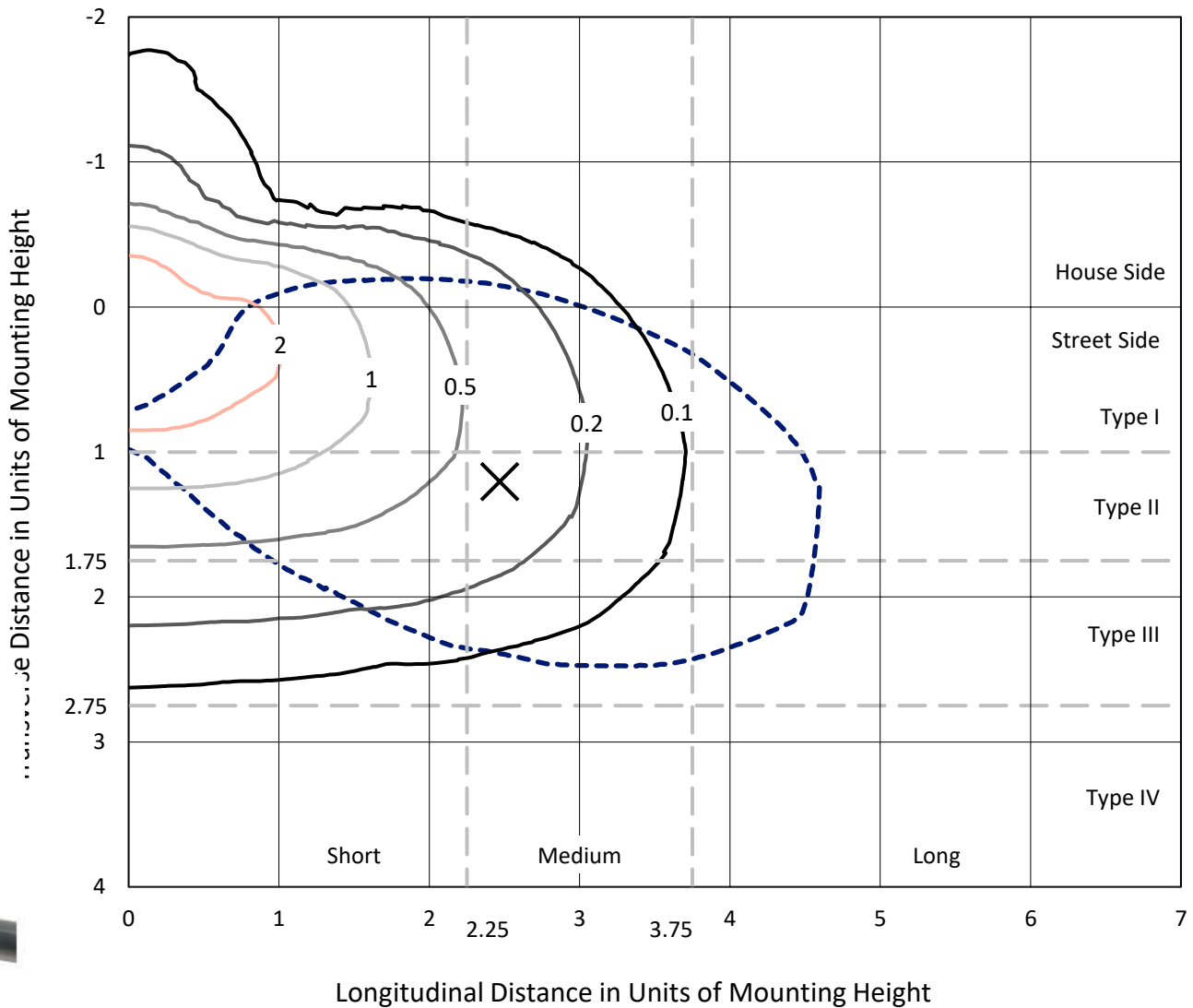


REPORT NUMBER: P691794

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-7040-U0

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

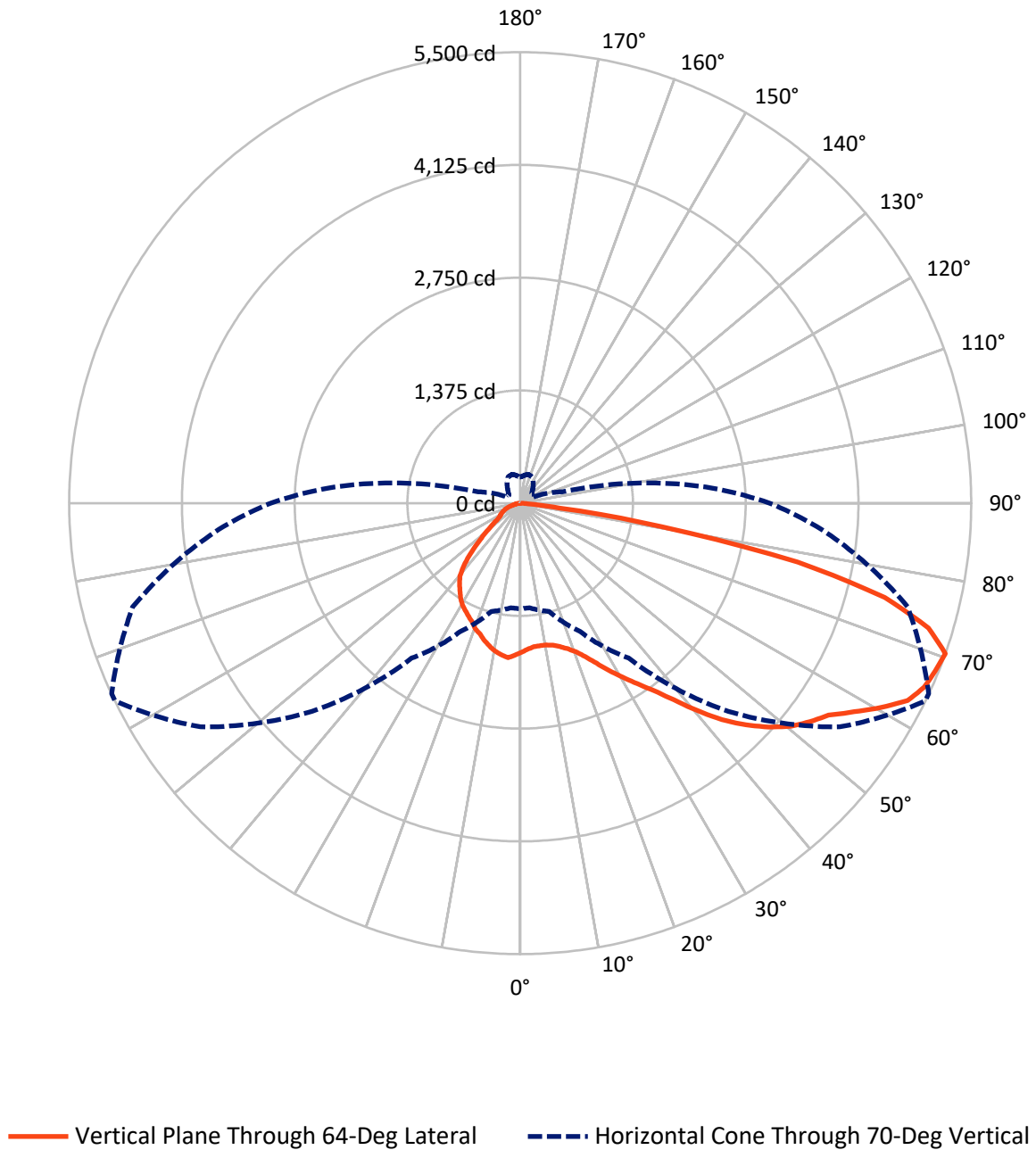


Based on 25 foot mounting height. Maximum calculated value = 3 fc
 Type III - Medium - N/A

REPORT NUMBER: P691794

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-7040-U0

Luminous Intensity Polar Plot



REPORT NUMBER: P691794

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-7040-U0

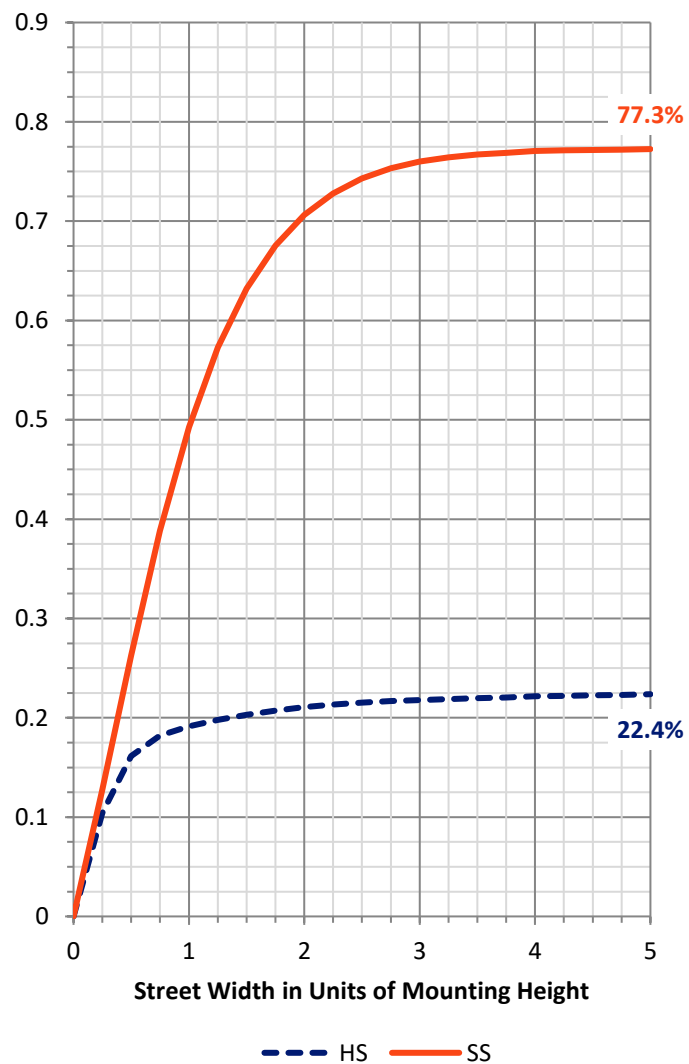
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2233.9	0.0	2233.9
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	7600.1	0.0	7600.1
	% Fixture	77.3	0.0	77.3
Total	Lumens	9834.0	0.0	9834.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.0	1.8
10°-20°	512.9	5.2
20°-30°	851.3	8.7
30°-40°	1217.7	12.4
40°-50°	1626.1	16.5
50°-60°	1965.1	20.0
60°-70°	2091.4	21.3
70°-80°	1284.8	13.1
80°-90°	110.0	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°	9834.0	100.0
0°-180°	9834.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691794

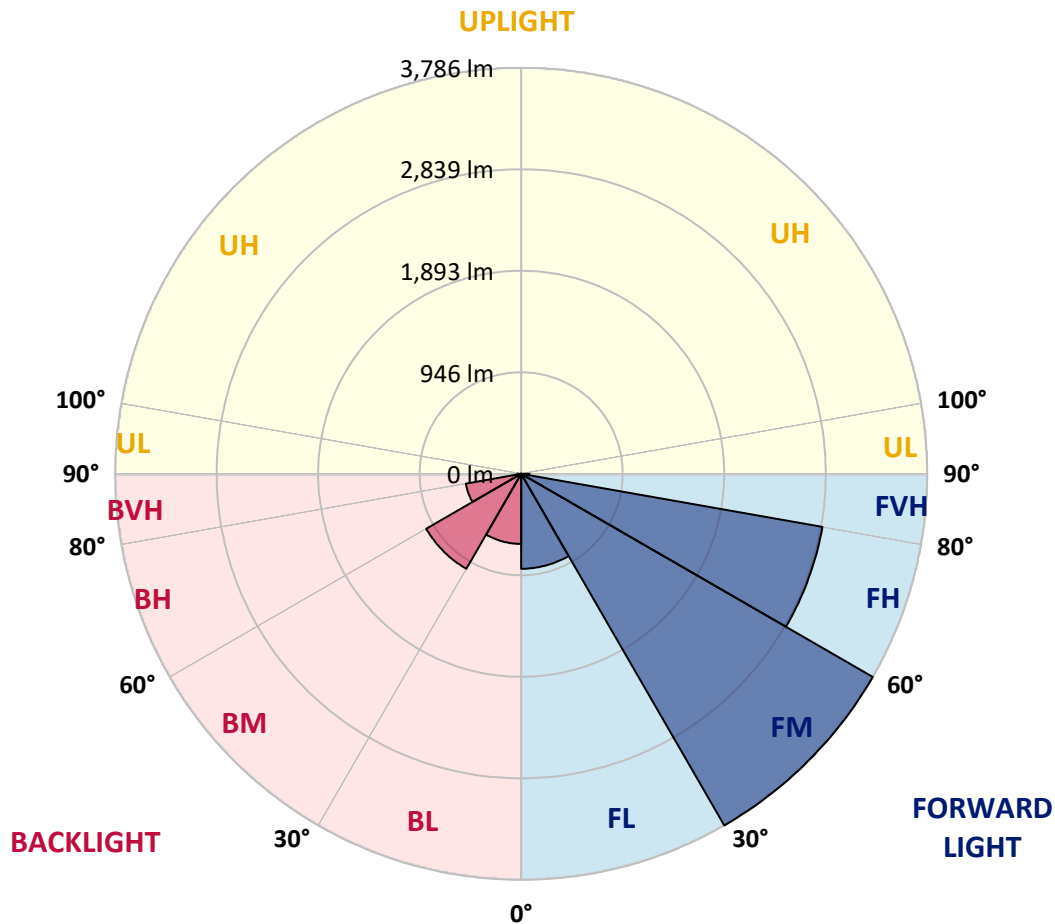
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-7040-U0

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	885.5	9.0			
FM	(30°-60°)	3785.9	38.5			
FH	(60°-80°)	2852.2	29.0			G2/5000
FVH	(80°-90°)	76.4	0.8			G1/100
BL	(0°-30°)	653.6	6.6	B2/1000		
BM	(30°-60°)	1022.8	10.4	B2/2500		
BH	(60°-80°)	523.9	5.3	B2/1000		G2/1000
BVH	(80°-90°)	33.6	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



REPORT NUMBER: P691794

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-7040-U0

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1818.8	1818.8	1818.8	1818.8	1818.8	1818.8	1818.8	1818.8	1818.8	1818.8	1818.8
2.5°	1775.4	1775.4	1775.4	1775.4	1778.7	1782.0	1778.7	1782.0	1782.0	1788.7	1798.8
5°	1805.4	1805.4	1798.8	1785.4	1775.4	1762.0	1755.3	1758.6	1758.6	1775.4	1802.1
7.5°	1815.5	1815.5	1808.8	1808.8	1798.8	1768.7	1758.6	1755.3	1758.6	1765.3	1802.1
10°	1865.6	1862.3	1845.6	1825.5	1812.1	1785.4	1762.0	1758.6	1762.0	1772.0	1812.1
12.5°	1919.1	1919.1	1912.4	1895.7	1858.9	1832.2	1792.1	1778.7	1775.4	1785.4	1808.8
15°	2026.1	2012.7	1986.0	1962.6	1935.8	1892.4	1838.9	1815.5	1808.8	1822.2	1812.1
17.5°	2089.6	2079.6	2083.0	2046.2	2022.8	1962.6	1909.1	1865.6	1862.3	1875.7	1832.2
20°	2159.9	2156.5	2163.2	2159.9	2123.1	2069.6	1986.0	1932.5	1925.8	1929.2	1862.3
22.5°	2266.8	2266.8	2263.5	2263.5	2243.4	2179.9	2086.3	2032.8	2022.8	1999.4	1912.4
25°	2383.9	2383.9	2383.9	2390.5	2390.5	2317.0	2223.4	2163.2	2156.5	2123.1	1996.0
27.5°	2494.2	2500.9	2504.2	2507.6	2517.6	2484.2	2380.5	2310.3	2307.0	2263.5	2106.4
30°	2581.1	2584.5	2614.6	2621.2	2641.3	2631.3	2531.0	2464.1	2470.8	2414.0	2230.1
32.5°	2658.0	2661.4	2704.8	2728.2	2751.6	2755.0	2671.4	2624.6	2624.6	2574.4	2380.5
35°	2731.6	2734.9	2788.4	2845.3	2892.1	2878.7	2831.9	2805.1	2815.2	2798.4	2587.8
37.5°	2795.1	2808.5	2878.7	2962.3	3015.8	3025.8	3005.7	3042.5	3062.6	3089.3	2868.7
40°	2855.3	2862.0	2928.8	3015.8	3106.0	3152.8	3176.3	3326.7	3346.8	3366.8	3029.1
42.5°	2798.4	2811.8	2955.6	3086.0	3199.7	3279.9	3390.2	3610.9	3654.4	3544.0	3246.5
45°	2731.6	2748.3	2892.1	3112.7	3273.2	3420.3	3624.3	3858.3	3891.7	3724.6	3363.5
47.5°	2674.7	2694.8	2841.9	3089.3	3350.1	3610.9	3814.8	4079.0	4099.0	3878.4	3524.0
50°	2611.2	2627.9	2785.1	3059.2	3390.2	3784.8	4015.5	4279.6	4286.3	4005.4	3607.6
52.5°	2527.6	2544.3	2704.8	3012.4	3420.3	3901.8	4182.6	4426.7	4399.9	4169.2	3704.5
55°	2420.6	2444.0	2617.9	2948.9	3437.0	3972.0	4296.3	4563.8	4550.4	4363.2	3831.6
57.5°	2307.0	2330.4	2507.6	2862.0	3420.3	4015.5	4413.3	4801.2	4797.8	4520.3	3925.2
60°	2179.9	2200.0	2350.4	2748.3	3330.0	4085.7	4670.8	5058.6	5085.3	4697.5	3962.0
62.5°	2012.7	2016.1	2166.5	2584.5	3213.0	4135.8	4854.7	5302.7	5286.0	4814.5	3968.6
65°	1792.1	1802.1	1935.8	2357.1	3022.5	4095.7	4901.5	5413.0	5413.0	4901.5	3962.0
67.5°	1578.1	1574.8	1688.4	2072.9	2728.2	3918.5	4861.3	5459.8	5483.2	4958.3	3875.0
70°	1287.2	1280.5	1367.5	1725.2	2307.0	3590.8	4757.7	5499.9	5496.6	4891.4	3691.1
72.5°	952.9	949.5	1009.7	1307.3	1765.3	3072.6	4450.1	5205.7	5172.3	4570.5	3333.4
75°	528.3	501.5	498.2	809.1	1026.4	2153.2	3781.4	4590.5	4603.9	4038.9	2791.8
77.5°	76.9	80.2	83.6	147.1	177.2	805.8	2457.4	3460.4	3453.8	3116.1	2036.1
80°	53.5	56.8	60.2	73.6	83.6	190.6	849.2	1745.3	1845.6	1638.3	939.5
82.5°	40.1	40.1	43.5	50.2	46.8	86.9	264.1	484.8	501.5	454.7	277.5
85°	26.7	26.7	23.4	26.7	16.7	23.4	60.2	90.3	97.0	93.6	76.9
87.5°	13.4	13.4	10.0	10.0	6.7	6.7	6.7	3.3	6.7	3.3	6.7
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: P691794

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-7040-U0

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1818.8	1818.8	1818.8	1818.8	1818.8	1818.8	1818.8	1818.8	1818.8	1818.8	1818.8
2.5°	1808.8	1815.5	1835.5	1852.3	1872.3	1895.7	1909.1	1922.5	1935.8	1929.2	1939.2
5°	1815.5	1828.9	1858.9	1889.0	1905.8	1909.1	1912.4	1922.5	1942.5	1942.5	1959.2
7.5°	1822.2	1845.6	1845.6	1862.3	1885.7	1892.4	1895.7	1902.4	1912.4	1915.8	1912.4
10°	1822.2	1812.1	1828.9	1832.2	1822.2	1838.9	1848.9	1845.6	1855.6	1858.9	1858.9
12.5°	1802.1	1798.8	1785.4	1785.4	1782.0	1755.3	1755.3	1782.0	1782.0	1798.8	1802.1
15°	1802.1	1775.4	1758.6	1735.2	1711.8	1701.8	1688.4	1668.4	1675.1	1698.5	1705.1
17.5°	1798.8	1768.7	1718.5	1671.7	1655.0	1614.9	1601.5	1601.5	1598.2	1611.5	1614.9
20°	1812.1	1768.7	1691.8	1638.3	1548.0	1534.6	1507.9	1511.2	1514.6	1494.5	1484.5
22.5°	1848.9	1795.4	1671.7	1568.1	1497.9	1437.7	1387.5	1354.1	1350.7	1340.7	1350.7
25°	1905.8	1842.2	1675.1	1527.9	1414.3	1327.3	1293.9	1213.7	1176.9	1180.2	1200.3
27.5°	2009.4	1899.1	1691.8	1484.5	1347.4	1223.7	1116.7	1066.6	1026.4	1026.4	1033.1
30°	2106.4	1986.0	1685.1	1447.7	1243.8	1090.0	952.9	872.6	859.3	845.9	842.5
32.5°	2286.9	2096.3	1752.0	1394.2	1146.8	919.4	782.4	672.0	682.1	685.4	692.1
35°	2467.4	2273.5	1765.3	1327.3	1006.4	748.9	605.2	545.0	571.7	578.4	585.1
37.5°	2708.2	2494.2	1855.6	1267.2	862.6	575.1	481.5	454.7	481.5	481.5	484.8
40°	2838.6	2597.8	1929.2	1207.0	675.4	424.6	377.8	357.7	391.2	417.9	424.6
42.5°	3022.5	2731.6	1996.0	1086.6	478.1	317.6	290.9	331.0	384.5	411.2	414.6
45°	3116.1	2798.4	1972.6	926.1	314.3	257.4	284.2	334.3	387.8	414.6	417.9
47.5°	3243.1	2892.1	1925.8	738.9	250.8	254.1	287.5	344.4	397.9	421.3	424.6
50°	3366.8	2989.0	1805.4	588.4	240.7	254.1	294.2	347.7	394.5	411.2	407.9
52.5°	3437.0	3079.3	1651.7	448.0	240.7	257.4	300.9	354.4	391.2	394.5	394.5
55°	3500.6	3089.3	1524.6	347.7	237.4	260.8	307.6	361.1	394.5	394.5	387.8
57.5°	3540.7	3049.2	1427.6	300.9	237.4	260.8	307.6	361.1	411.2	421.3	411.2
60°	3524.0	2972.3	1360.8	280.8	230.7	257.4	304.3	371.1	504.9	528.3	508.2
62.5°	3483.8	2928.8	1217.0	257.4	220.7	247.4	297.6	401.2	541.6	545.0	528.3
65°	3447.1	2785.1	1043.1	230.7	207.3	237.4	287.5	407.9	458.0	441.3	438.0
67.5°	3279.9	2597.8	795.7	203.9	187.2	224.0	277.5	374.5	407.9	387.8	381.2
70°	3042.5	2270.2	531.6	173.9	167.2	207.3	277.5	351.1	364.4	331.0	317.6
72.5°	2607.9	1879.0	290.9	140.4	140.4	190.6	250.8	327.7	337.7	297.6	274.2
75°	2123.1	1360.8	187.2	107.0	107.0	160.5	227.4	310.9	331.0	287.5	257.4
77.5°	1461.1	745.6	130.4	76.9	70.2	123.7	180.5	254.1	294.2	247.4	210.6
80°	494.8	197.3	83.6	50.2	43.5	70.2	120.4	197.3	267.5	254.1	227.4
82.5°	193.9	123.7	56.8	33.4	30.1	33.4	60.2	123.7	214.0	230.7	267.5
85°	56.8	33.4	20.1	16.7	16.7	16.7	16.7	50.2	127.1	167.2	210.6
87.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	30.1	53.5	70.2
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)