

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: P690874

Luminaire Tested: **CRTK2-C01-5TLD-U-T3-7040-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690874
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-C01-5TLD-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: 8472 lumens
Efficiency: N/A
Efficacy: 141.2 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 60
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



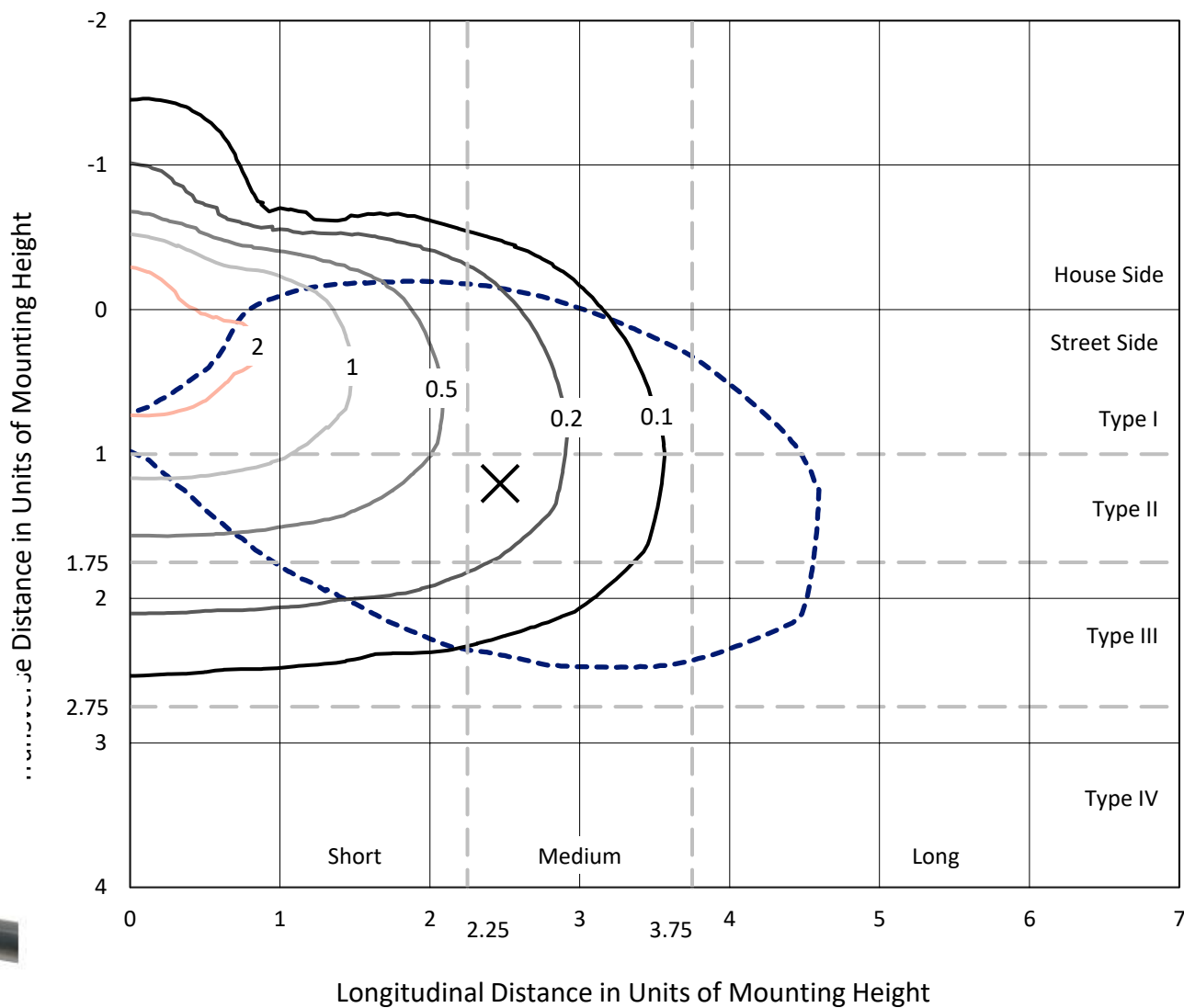
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

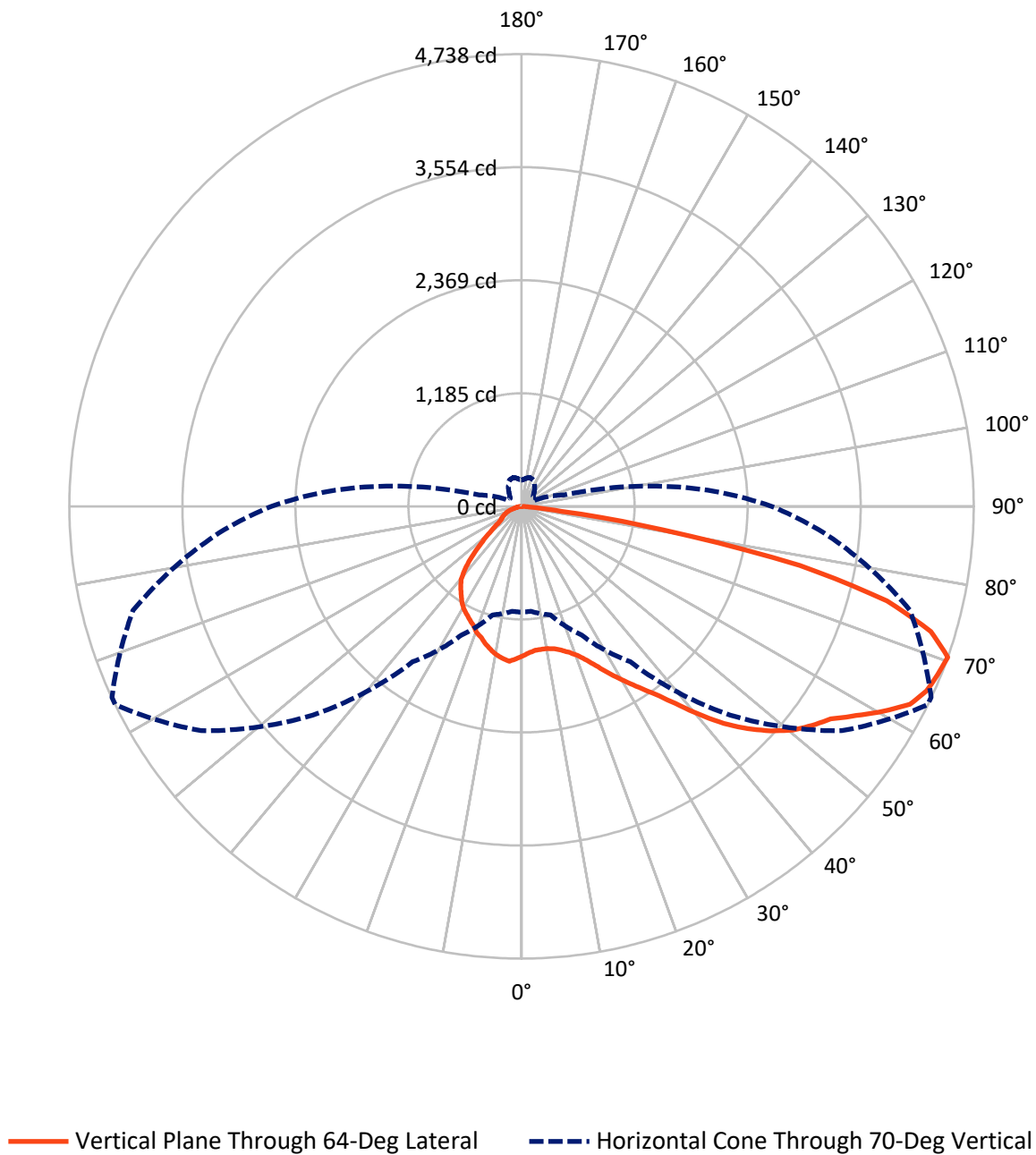


Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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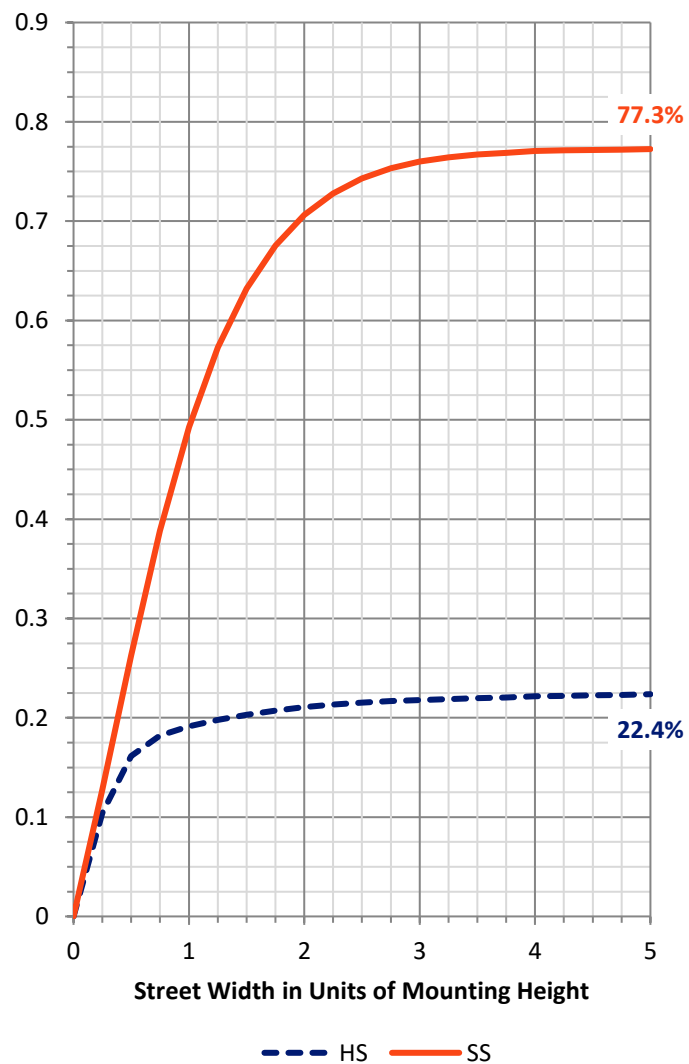
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1924.6	0.0	1924.6
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	6547.5	0.0	6547.5
	% Fixture	77.3	0.0	77.3
Total	Lumens	8472.0	0.0	8472.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.7	1.8
10°-20°	441.8	5.2
20°-30°	733.4	8.7
30°-40°	1049.0	12.4
40°-50°	1400.8	16.5
50°-60°	1692.9	20.0
60°-70°	1801.7	21.3
70°-80°	1106.8	13.1
80°-90°	94.8	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°	8472.0	100.0
0°-180°	8472.0	100.0

Coefficient of Utilization



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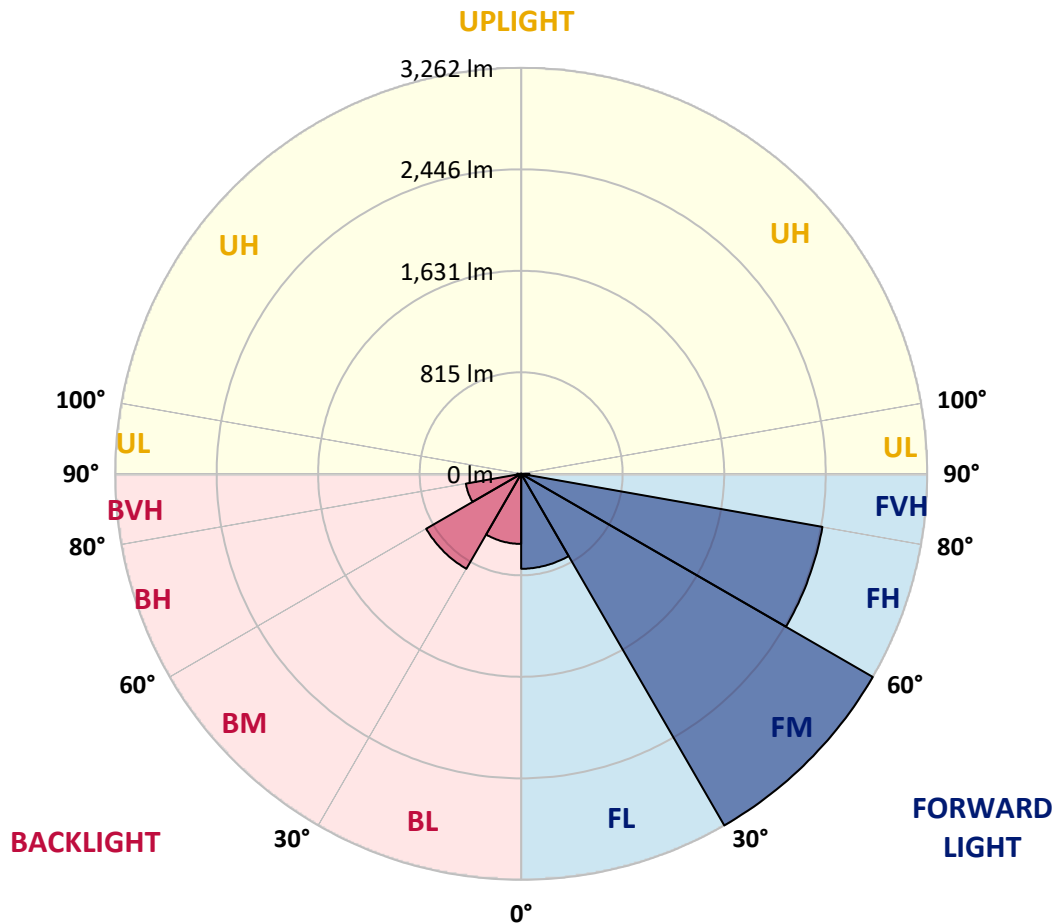
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	762.9	9.0			
FM	(30°-60°)	3261.6	38.5			
FH	(60°-80°)	2457.2	29.0			G2/5000
FVH	(80°-90°)	65.8	0.8			G1/100
BL	(0°-30°)	563.1	6.6	B2/1000		
BM	(30°-60°)	881.2	10.4	B1/1000		
BH	(60°-80°)	451.4	5.3	B1/500		G1/500
BVH	(80°-90°)	29.0	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°	1566.9	1566.9	1566.9	1566.9	1566.9	1566.9	1566.9	1566.9	1566.9	1566.9	1566.9
2.5°	1529.5	1529.5	1529.5	1529.5	1532.4	1535.2	1532.4	1535.2	1535.2	1541.0	1549.6
5°	1555.4	1555.4	1549.6	1538.1	1529.5	1518.0	1512.2	1515.1	1515.1	1529.5	1552.5
7.5°	1564.0	1564.0	1558.3	1558.3	1549.6	1523.7	1515.1	1512.2	1515.1	1520.8	1552.5
10°	1607.2	1604.4	1590.0	1572.7	1561.2	1538.1	1518.0	1515.1	1518.0	1526.6	1561.2
12.5°	1653.3	1653.3	1647.6	1633.2	1601.5	1578.4	1543.9	1532.4	1529.5	1538.1	1558.3
15°	1745.5	1734.0	1710.9	1690.8	1667.7	1630.3	1584.2	1564.0	1558.3	1569.8	1561.2
17.5°	1800.2	1791.6	1794.5	1762.8	1742.6	1690.8	1644.7	1607.2	1604.4	1615.9	1578.4
20°	1860.7	1857.8	1863.6	1860.7	1829.0	1782.9	1710.9	1664.8	1659.1	1662.0	1604.4
22.5°	1952.9	1952.9	1950.0	1950.0	1932.7	1878.0	1797.3	1751.3	1742.6	1722.5	1647.6
25°	2053.7	2053.7	2053.7	2059.5	2059.5	1996.1	1915.4	1863.6	1857.8	1829.0	1719.6
27.5°	2148.8	2154.5	2157.4	2160.3	2168.9	2140.1	2050.8	1990.3	1987.4	1950.0	1814.6
30°	2223.6	2226.5	2252.4	2258.2	2275.5	2266.8	2180.4	2122.8	2128.6	2079.6	1921.2
32.5°	2289.9	2292.8	2330.2	2350.4	2370.5	2373.4	2301.4	2261.1	2261.1	2217.9	2050.8
35°	2353.3	2356.1	2402.2	2451.2	2491.5	2480.0	2439.7	2416.6	2425.3	2410.9	2229.4
37.5°	2408.0	2419.5	2480.0	2552.0	2598.1	2606.7	2589.4	2621.1	2638.4	2661.5	2471.4
40°	2459.8	2465.6	2523.2	2598.1	2675.9	2716.2	2736.3	2866.0	2883.2	2900.5	2609.6
42.5°	2410.9	2422.4	2546.2	2658.6	2756.5	2825.6	2920.7	3110.8	3148.2	3053.2	2796.8
45°	2353.3	2367.7	2491.5	2681.6	2819.9	2946.6	3122.3	3323.9	3352.7	3208.7	2897.6
47.5°	2304.3	2321.6	2448.3	2661.5	2886.1	3110.8	3286.5	3514.0	3531.3	3341.2	3035.9
50°	2249.6	2264.0	2399.3	2635.5	2920.7	3260.6	3459.3	3686.9	3692.6	3450.7	3107.9
52.5°	2177.6	2192.0	2330.2	2595.2	2946.6	3361.4	3603.3	3813.6	3790.6	3591.8	3191.4
55°	2085.4	2105.5	2255.3	2540.5	2961.0	3421.9	3701.3	3931.7	3920.2	3758.9	3300.9
57.5°	1987.4	2007.6	2160.3	2465.6	2946.6	3459.3	3802.1	4136.2	4133.3	3894.2	3381.5
60°	1878.0	1895.3	2024.9	2367.7	2868.8	3519.8	4023.9	4358.0	4381.0	4046.9	3413.2
62.5°	1734.0	1736.9	1866.5	2226.5	2768.0	3563.0	4182.3	4568.3	4553.9	4147.7	3419.0
65°	1543.9	1552.5	1667.7	2030.7	2603.8	3528.4	4222.6	4663.3	4663.3	4222.6	3413.2
67.5°	1359.5	1356.7	1454.6	1785.8	2350.4	3375.8	4188.0	4703.6	4723.8	4271.6	3338.3
70°	1108.9	1103.2	1178.1	1486.3	1987.4	3093.5	4098.8	4738.2	4735.3	4214.0	3179.9
72.5°	820.9	818.0	869.9	1126.2	1520.8	2647.1	3833.8	4484.7	4455.9	3937.5	2871.7
75°	455.1	432.1	429.2	697.0	884.3	1855.0	3257.7	3954.7	3966.3	3479.5	2405.1
77.5°	66.2	69.1	72.0	126.7	152.7	694.2	2117.1	2981.2	2975.4	2684.5	1754.1
80°	46.1	49.0	51.8	63.4	72.0	164.2	731.6	1503.5	1590.0	1411.4	809.4
82.5°	34.6	34.6	37.4	43.2	40.3	74.9	227.5	417.7	432.1	391.7	239.1
85°	23.0	23.0	20.2	23.0	14.4	20.2	51.8	77.8	83.5	80.7	66.2
87.5°	11.5	11.5	8.6	8.6	5.8	5.8	5.8	2.9	5.8	2.9	5.8
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°	1566.9	1566.9	1566.9	1566.9	1566.9	1566.9	1566.9	1566.9	1566.9	1566.9	1566.9
2.5°	1558.3	1564.0	1581.3	1595.7	1613.0	1633.2	1644.7	1656.2	1667.7	1662.0	1670.6
5°	1564.0	1575.6	1601.5	1627.4	1641.8	1644.7	1647.6	1656.2	1673.5	1673.5	1687.9
7.5°	1569.8	1590.0	1590.0	1604.4	1624.5	1630.3	1633.2	1638.9	1647.6	1650.4	1647.6
10°	1569.8	1561.2	1575.6	1578.4	1569.8	1584.2	1592.8	1590.0	1598.6	1601.5	1601.5
12.5°	1552.5	1549.6	1538.1	1538.1	1535.2	1512.2	1512.2	1535.2	1535.2	1549.6	1552.5
15°	1552.5	1529.5	1515.1	1494.9	1474.7	1466.1	1454.6	1437.3	1443.1	1463.2	1469.0
17.5°	1549.6	1523.7	1480.5	1440.2	1425.8	1391.2	1379.7	1379.7	1376.8	1388.3	1391.2
20°	1561.2	1523.7	1457.5	1411.4	1333.6	1322.1	1299.0	1301.9	1304.8	1287.5	1278.9
22.5°	1592.8	1546.8	1440.2	1350.9	1290.4	1238.6	1195.4	1166.5	1163.7	1155.0	1163.7
25°	1641.8	1587.1	1443.1	1316.3	1218.4	1143.5	1114.7	1045.6	1013.9	1016.8	1034.0
27.5°	1731.1	1636.0	1457.5	1278.9	1160.8	1054.2	962.0	918.8	884.3	884.3	890.0
30°	1814.6	1710.9	1451.7	1247.2	1071.5	939.0	820.9	751.8	740.3	728.7	725.9
32.5°	1970.2	1806.0	1509.3	1201.1	988.0	792.1	674.0	579.0	587.6	590.5	596.2
35°	2125.7	1958.6	1520.8	1143.5	867.0	645.2	521.3	469.5	492.5	498.3	504.1
37.5°	2333.1	2148.8	1598.6	1091.7	743.1	495.4	414.8	391.7	414.8	414.8	417.7
40°	2445.4	2238.0	1662.0	1039.8	581.8	365.8	325.5	308.2	337.0	360.0	365.8
42.5°	2603.8	2353.3	1719.6	936.1	411.9	273.6	250.6	285.2	331.2	354.3	357.2
45°	2684.5	2410.9	1699.4	797.9	270.8	221.8	244.8	288.0	334.1	357.2	360.0
47.5°	2794.0	2491.5	1659.1	636.6	216.0	218.9	247.7	296.7	342.8	362.9	365.8
50°	2900.5	2575.0	1555.4	506.9	207.4	218.9	253.5	299.6	339.9	354.3	351.4
52.5°	2961.0	2652.8	1422.9	386.0	207.4	221.8	259.2	305.3	337.0	339.9	339.9
55°	3015.7	2661.5	1313.4	299.6	204.5	224.7	265.0	311.1	339.9	339.9	334.1
57.5°	3050.3	2626.9	1229.9	259.2	204.5	224.7	265.0	311.1	354.3	362.9	354.3
60°	3035.9	2560.6	1172.3	242.0	198.7	221.8	262.1	319.7	434.9	455.1	437.8
62.5°	3001.3	2523.2	1048.5	221.8	190.1	213.1	256.4	345.6	466.6	469.5	455.1
65°	2969.7	2399.3	898.7	198.7	178.6	204.5	247.7	351.4	394.6	380.2	377.3
67.5°	2825.6	2238.0	685.5	175.7	161.3	193.0	239.1	322.6	351.4	334.1	328.4
70°	2621.1	1955.8	458.0	149.8	144.0	178.6	239.1	302.4	314.0	285.2	273.6
72.5°	2246.7	1618.8	250.6	121.0	121.0	164.2	216.0	282.3	290.9	256.4	236.2
75°	1829.0	1172.3	161.3	92.2	92.2	138.3	195.9	267.9	285.2	247.7	221.8
77.5°	1258.7	642.3	112.3	66.2	60.5	106.6	155.5	218.9	253.5	213.1	181.5
80°	426.3	169.9	72.0	43.2	37.4	60.5	103.7	169.9	230.4	218.9	195.9
82.5°	167.1	106.6	49.0	28.8	25.9	28.8	51.8	106.6	184.3	198.7	230.4
85°	49.0	28.8	17.3	14.4	14.4	14.4	14.4	43.2	109.5	144.0	181.5
87.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	25.9	46.1	60.5
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)