

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: P691810

Luminaire Tested: **CRTK2-C01H-5TLD-U-T3-8027-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691810
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-T3-8027-U0
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE III OPTIC AND U0 SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8636 lumens
Efficiency: N/A
Efficacy: 115.3 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



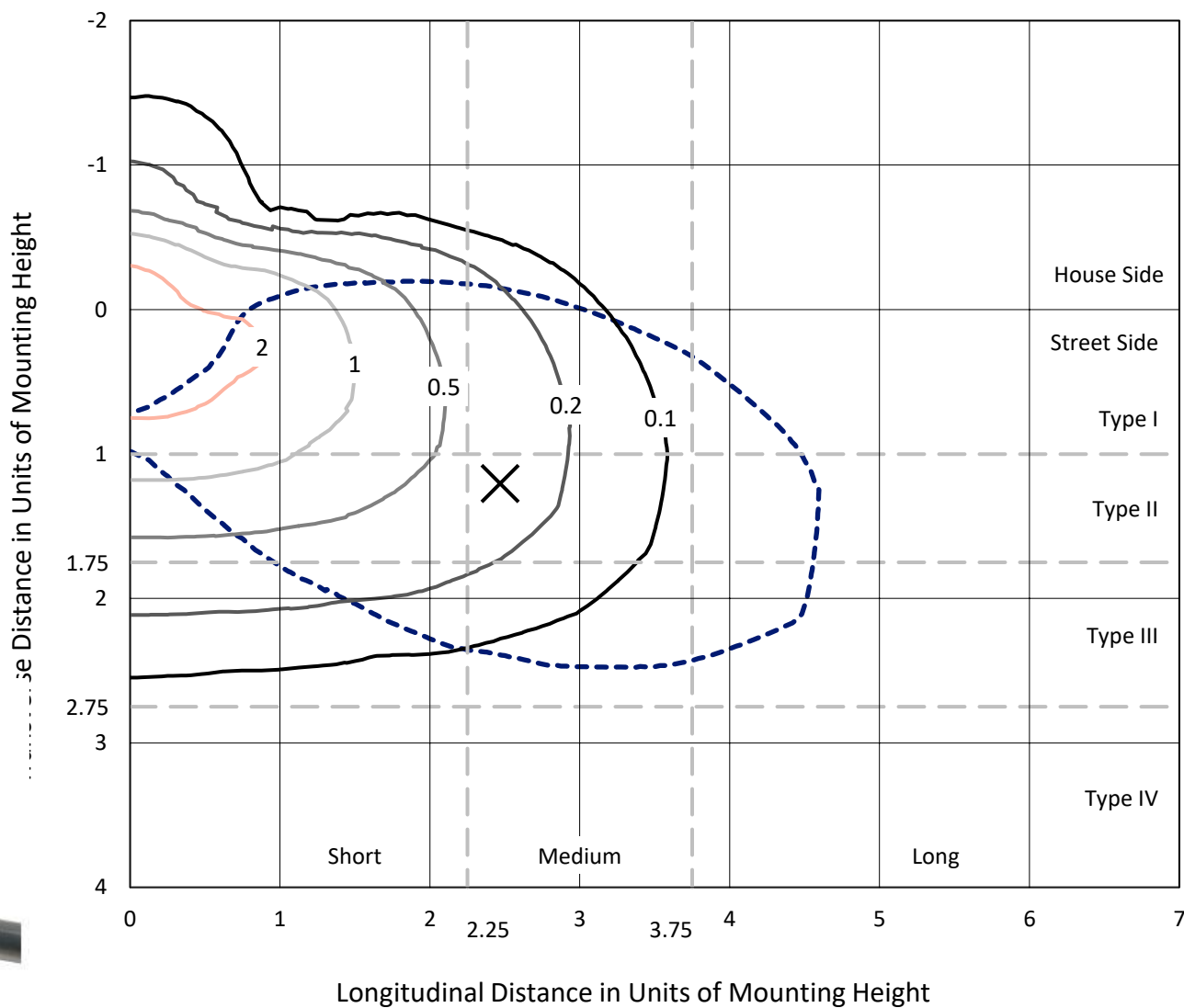
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

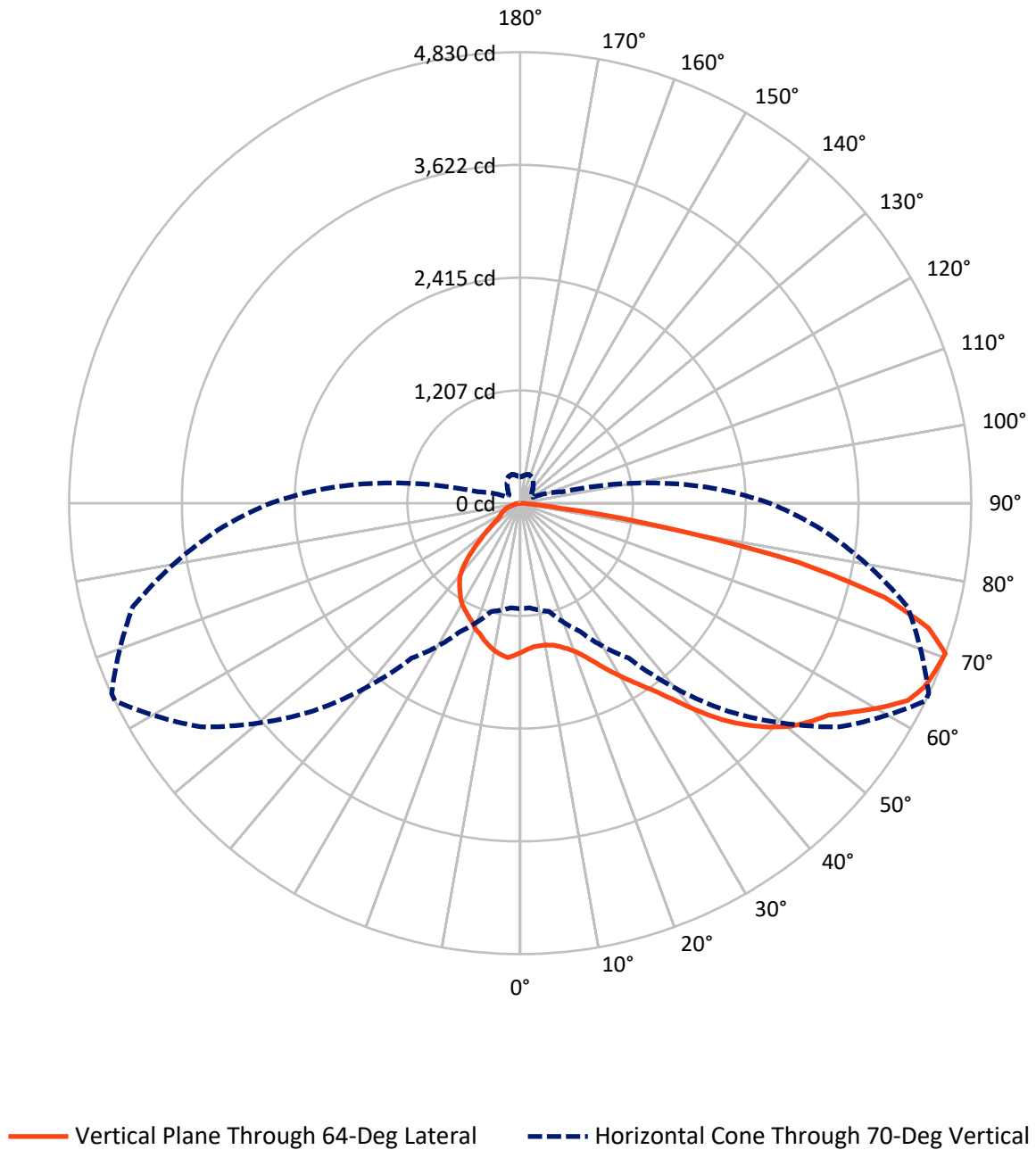


Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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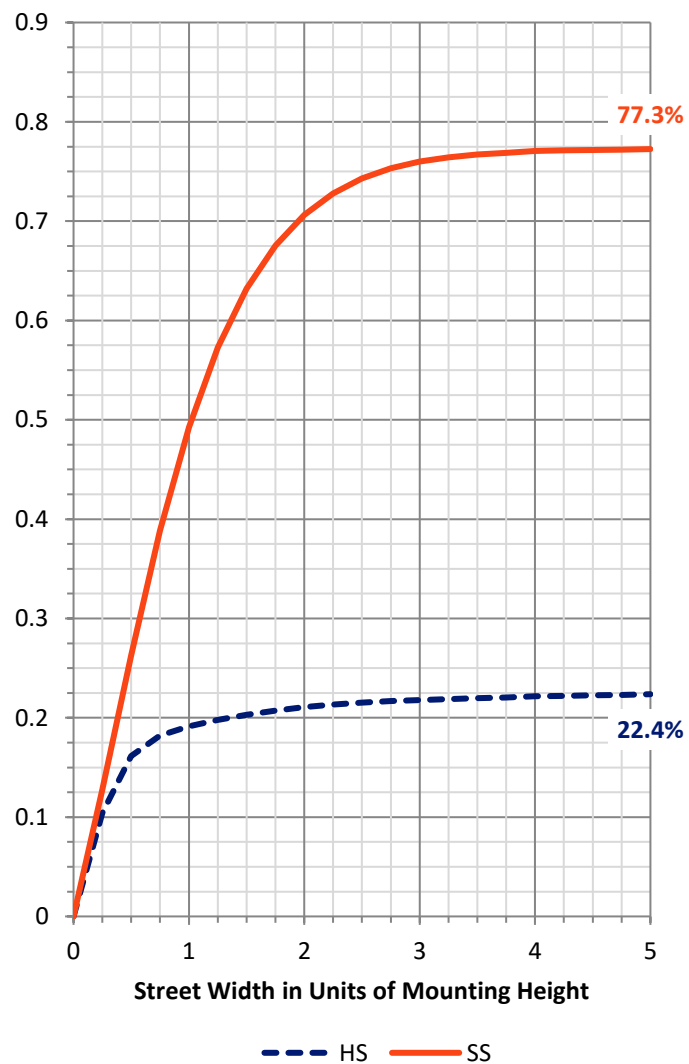
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1961.8	0.0	1961.8
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	6674.2	0.0	6674.2
	% Fixture	77.3	0.0	77.3
Total	Lumens	8636.0	0.0	8636.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.7	1.8
10°-20°	450.4	5.2
20°-30°	747.6	8.7
30°-40°	1069.3	12.4
40°-50°	1428.0	16.5
50°-60°	1725.7	20.0
60°-70°	1836.6	21.3
70°-80°	1128.2	13.1
80°-90°	96.6	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°	8636.0	100.0
0°-180°	8636.0	100.0

Coefficient of Utilization



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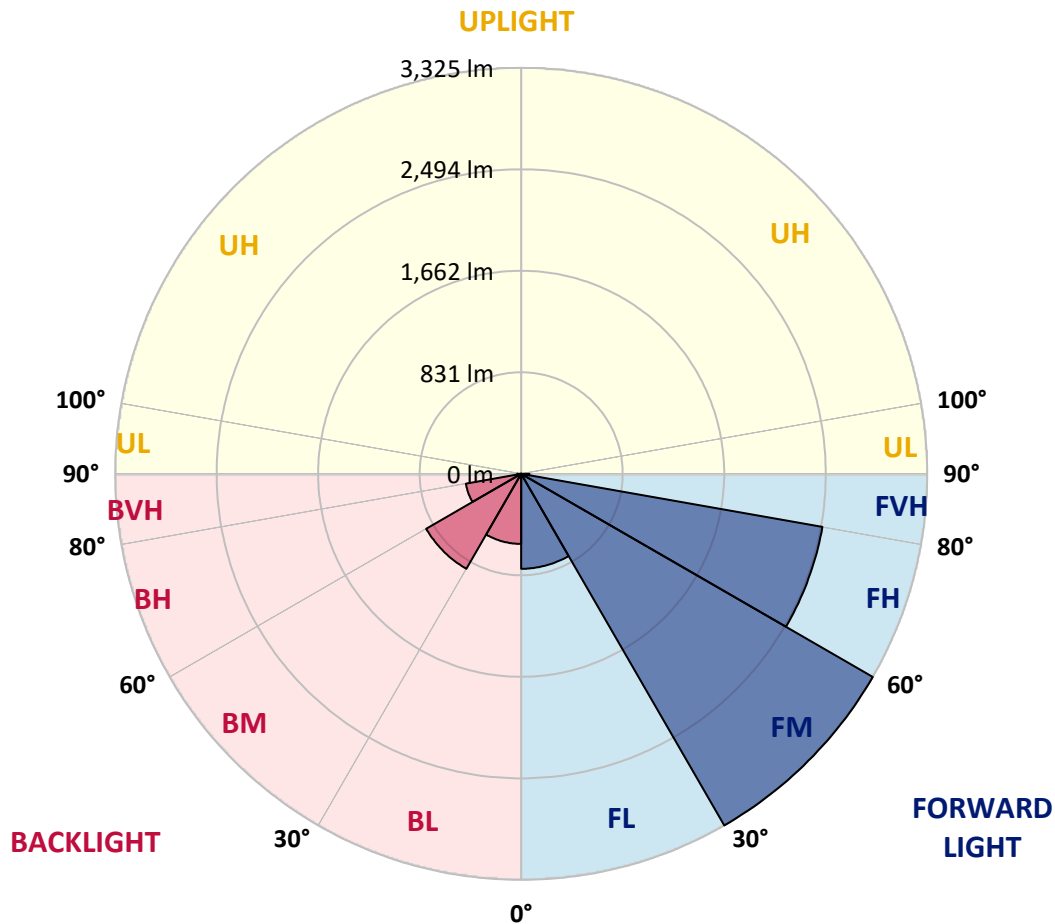
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	777.6	9.0			
FM	(30°-60°)	3324.7	38.5			
FH	(60°-80°)	2504.7	29.0			G2/5000
FVH	(80°-90°)	67.1	0.8			G1/100
BL	(0°-30°)	574.0	6.6	B2/1000		
BM	(30°-60°)	898.2	10.4	B1/1000		
BH	(60°-80°)	460.1	5.3	B1/500		G1/500
BVH	(80°-90°)	29.5	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°	1597.2	1597.2	1597.2	1597.2	1597.2	1597.2	1597.2	1597.2	1597.2	1597.2	1597.2
2.5°	1559.1	1559.1	1559.1	1559.1	1562.0	1565.0	1562.0	1565.0	1565.0	1570.8	1579.6
5°	1585.5	1585.5	1579.6	1567.9	1559.1	1547.3	1541.5	1544.4	1544.4	1559.1	1582.6
7.5°	1594.3	1594.3	1588.4	1588.4	1579.6	1553.2	1544.4	1541.5	1544.4	1550.3	1582.6
10°	1638.4	1635.4	1620.7	1603.1	1591.4	1567.9	1547.3	1544.4	1547.3	1556.1	1591.4
12.5°	1685.3	1685.3	1679.5	1664.8	1632.5	1609.0	1573.8	1562.0	1559.1	1567.9	1588.4
15°	1779.3	1767.5	1744.1	1723.5	1700.0	1661.8	1614.9	1594.3	1588.4	1600.2	1591.4
17.5°	1835.1	1826.3	1829.2	1796.9	1776.4	1723.5	1676.5	1638.4	1635.4	1647.2	1609.0
20°	1896.7	1893.8	1899.7	1896.7	1864.4	1817.5	1744.1	1697.1	1691.2	1694.1	1635.4
22.5°	1990.7	1990.7	1987.8	1987.8	1970.1	1914.4	1832.1	1785.2	1776.4	1755.8	1679.5
25°	2093.5	2093.5	2093.5	2099.3	2099.3	2034.7	1952.5	1899.7	1893.8	1864.4	1752.9
27.5°	2190.3	2196.2	2199.2	2202.1	2210.9	2181.5	2090.5	2028.9	2025.9	1987.8	1849.8
30°	2266.7	2269.6	2296.0	2301.9	2319.5	2310.7	2222.6	2163.9	2169.8	2119.9	1958.4
32.5°	2334.2	2337.2	2375.3	2395.9	2416.4	2419.4	2346.0	2304.9	2304.9	2260.8	2090.5
35°	2398.8	2401.7	2448.7	2498.6	2539.7	2528.0	2486.9	2463.4	2472.2	2457.5	2272.6
37.5°	2454.6	2466.3	2528.0	2601.4	2648.4	2657.2	2639.6	2671.9	2689.5	2713.0	2519.2
40°	2507.4	2513.3	2572.0	2648.4	2727.7	2768.8	2789.3	2921.4	2939.1	2956.7	2660.1
42.5°	2457.5	2469.3	2595.5	2710.0	2809.9	2880.3	2977.2	3171.0	3209.2	3112.3	2851.0
45°	2398.8	2413.5	2539.7	2733.5	2874.5	3003.7	3182.8	3388.3	3417.6	3270.8	2953.7
47.5°	2348.9	2366.5	2495.7	2713.0	2942.0	3171.0	3350.1	3582.1	3599.7	3405.9	3094.7
50°	2293.1	2307.8	2445.8	2686.5	2977.2	3323.7	3526.3	3758.2	3764.1	3517.5	3168.1
52.5°	2219.7	2234.4	2375.3	2645.4	3003.7	3426.5	3673.1	3887.4	3863.9	3661.3	3253.2
55°	2125.8	2146.3	2299.0	2589.7	3018.3	3488.1	3772.9	4007.8	3996.1	3831.6	3364.8
57.5°	2025.9	2046.5	2202.1	2513.3	3003.7	3526.3	3875.7	4216.3	4213.3	3969.6	3447.0
60°	1914.4	1932.0	2064.1	2413.5	2924.4	3587.9	4101.8	4442.3	4465.8	4125.2	3479.3
62.5°	1767.5	1770.5	1902.6	2269.6	2821.6	3632.0	4263.2	4656.7	4642.0	4228.0	3485.2
65°	1573.8	1582.6	1700.0	2070.0	2654.3	3596.7	4304.4	4753.6	4753.6	4304.4	3479.3
67.5°	1385.8	1382.9	1482.7	1820.4	2395.9	3441.1	4269.1	4794.7	4815.2	4354.3	3403.0
70°	1130.4	1124.5	1200.9	1515.0	2025.9	3153.4	4178.1	4829.9	4827.0	4295.5	3241.5
72.5°	836.8	833.9	886.7	1148.0	1550.3	2698.3	3908.0	4571.5	4542.2	4013.7	2927.3
75°	463.9	440.4	437.5	710.5	901.4	1890.9	3320.8	4031.3	4043.0	3546.8	2451.7
77.5°	67.5	70.5	73.4	129.2	155.6	707.6	2158.0	3038.9	3033.0	2736.5	1788.1
80°	47.0	49.9	52.9	64.6	73.4	167.4	745.8	1532.7	1620.7	1438.7	825.0
82.5°	35.2	35.2	38.2	44.0	41.1	76.3	232.0	425.7	440.4	399.3	243.7
85°	23.5	23.5	20.6	23.5	14.7	20.6	52.9	79.3	85.1	82.2	67.5
87.5°	11.7	11.7	8.8	8.8	5.9	5.9	5.9	2.9	5.9	2.9	5.9
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°	1597.2	1597.2	1597.2	1597.2	1597.2	1597.2	1597.2	1597.2	1597.2	1597.2	1597.2
2.5°	1588.4	1594.3	1611.9	1626.6	1644.2	1664.8	1676.5	1688.3	1700.0	1694.1	1702.9
5°	1594.3	1606.1	1632.5	1658.9	1673.6	1676.5	1679.5	1688.3	1705.9	1705.9	1720.6
7.5°	1600.2	1620.7	1620.7	1635.4	1656.0	1661.8	1664.8	1670.7	1679.5	1682.4	1679.5
10°	1600.2	1591.4	1606.1	1609.0	1600.2	1614.9	1623.7	1620.7	1629.5	1632.5	1632.5
12.5°	1582.6	1579.6	1567.9	1567.9	1565.0	1541.5	1541.5	1565.0	1565.0	1579.6	1582.6
15°	1582.6	1559.1	1544.4	1523.8	1503.3	1494.5	1482.7	1465.1	1471.0	1491.5	1497.4
17.5°	1579.6	1553.2	1509.2	1468.1	1453.4	1418.1	1406.4	1406.4	1403.5	1415.2	1418.1
20°	1591.4	1553.2	1485.7	1438.7	1359.4	1347.7	1324.2	1327.1	1330.1	1312.4	1303.6
22.5°	1623.7	1576.7	1468.1	1377.0	1315.4	1262.5	1218.5	1189.1	1186.2	1177.4	1186.2
25°	1673.6	1617.8	1471.0	1341.8	1242.0	1165.6	1136.3	1065.8	1033.5	1036.5	1054.1
27.5°	1764.6	1667.7	1485.7	1303.6	1183.3	1074.6	980.7	936.6	901.4	901.4	907.3
30°	1849.8	1744.1	1479.8	1271.3	1092.2	957.2	836.8	766.3	754.6	742.8	739.9
32.5°	2008.3	1840.9	1538.5	1224.4	1007.1	807.4	687.1	590.2	599.0	601.9	607.8
35°	2166.9	1996.6	1550.3	1165.6	883.8	657.7	531.4	478.6	502.1	507.9	513.8
37.5°	2378.3	2190.3	1629.5	1112.8	757.5	505.0	422.8	399.3	422.8	422.8	425.7
40°	2492.8	2281.4	1694.1	1059.9	593.1	372.9	331.8	314.2	343.5	367.0	372.9
42.5°	2654.3	2398.8	1752.9	954.2	419.9	278.9	255.4	290.7	337.7	361.1	364.1
45°	2736.5	2457.5	1732.3	813.3	276.0	226.1	249.6	293.6	340.6	364.1	367.0
47.5°	2848.0	2539.7	1691.2	648.9	220.2	223.1	252.5	302.4	349.4	370.0	372.9
50°	2956.7	2624.9	1585.5	516.8	211.4	223.1	258.4	305.4	346.5	361.1	358.2
52.5°	3018.3	2704.2	1450.4	393.4	211.4	226.1	264.3	311.2	343.5	346.5	346.5
55°	3074.1	2713.0	1338.9	305.4	208.5	229.0	270.1	317.1	346.5	346.5	340.6
57.5°	3109.4	2677.7	1253.7	264.3	208.5	229.0	270.1	317.1	361.1	370.0	361.1
60°	3094.7	2610.2	1195.0	246.6	202.6	226.1	267.2	325.9	443.4	463.9	446.3
62.5°	3059.4	2572.0	1068.7	226.1	193.8	217.3	261.3	352.3	475.7	478.6	463.9
65°	3027.1	2445.8	916.1	202.6	182.0	208.5	252.5	358.2	402.2	387.6	384.6
67.5°	2880.3	2281.4	698.8	179.1	164.4	196.7	243.7	328.8	358.2	340.6	334.7
70°	2671.9	1993.6	466.8	152.7	146.8	182.0	243.7	308.3	320.0	290.7	278.9
72.5°	2290.2	1650.1	255.4	123.3	123.3	167.4	220.2	287.7	296.5	261.3	240.8
75°	1864.4	1195.0	164.4	94.0	94.0	140.9	199.7	273.1	290.7	252.5	226.1
77.5°	1283.1	654.8	114.5	67.5	61.7	108.6	158.6	223.1	258.4	217.3	185.0
80°	434.5	173.2	73.4	44.0	38.2	61.7	105.7	173.2	234.9	223.1	199.7
82.5°	170.3	108.6	49.9	29.4	26.4	29.4	52.9	108.6	187.9	202.6	234.9
85°	49.9	29.4	17.6	14.7	14.7	14.7	14.7	44.0	111.6	146.8	185.0
87.5°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	26.4	47.0	61.7
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)