

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: P691578

Luminaire Tested: **CRTK2-C018-5TLD-U-T2-7040-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691578
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-C018-5TLD-U-T2-7040-U0
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE II OPTIC AND U0 SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7668 lumens
Efficiency: N/A
Efficacy: 142.8 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 53.7
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

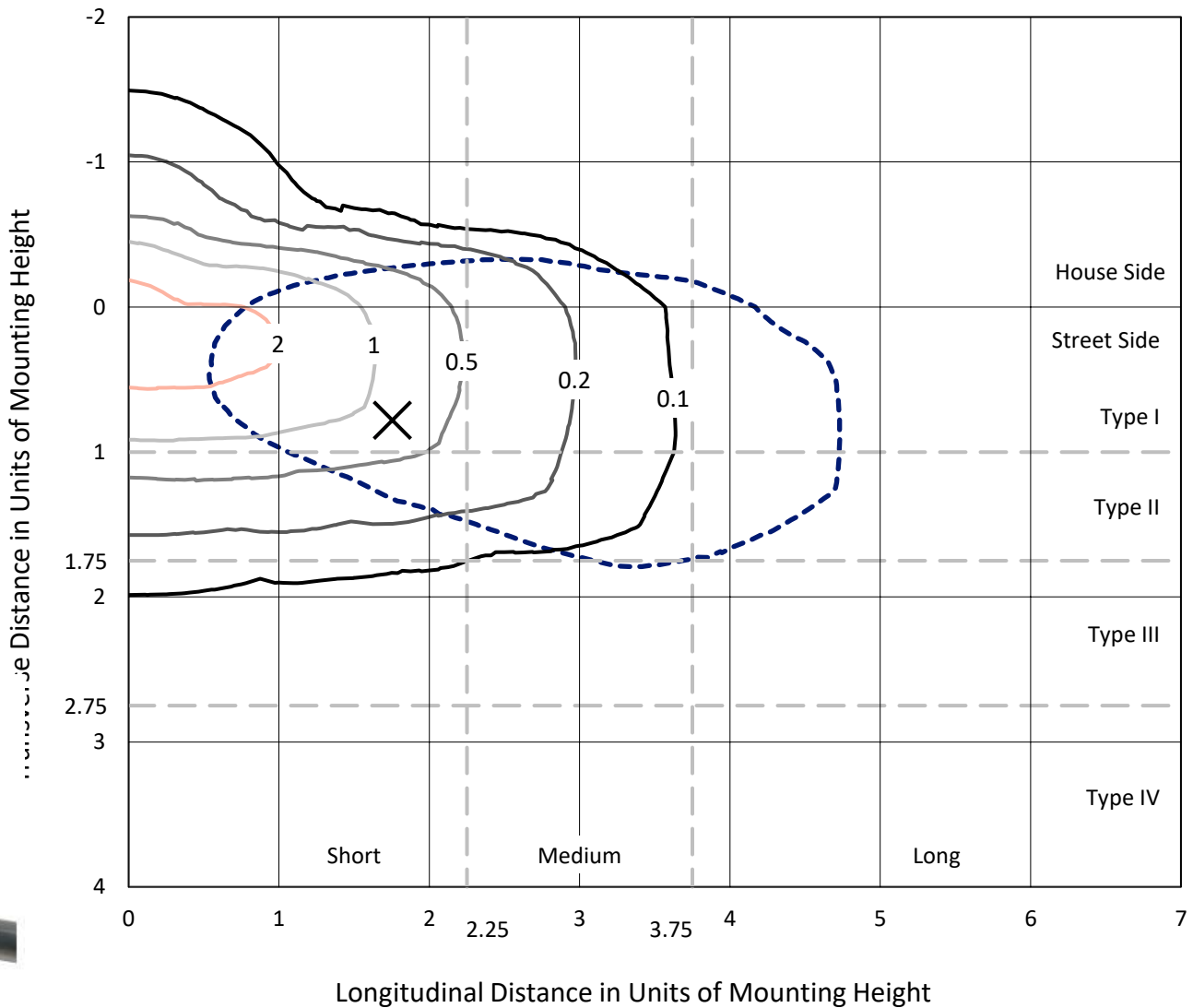


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

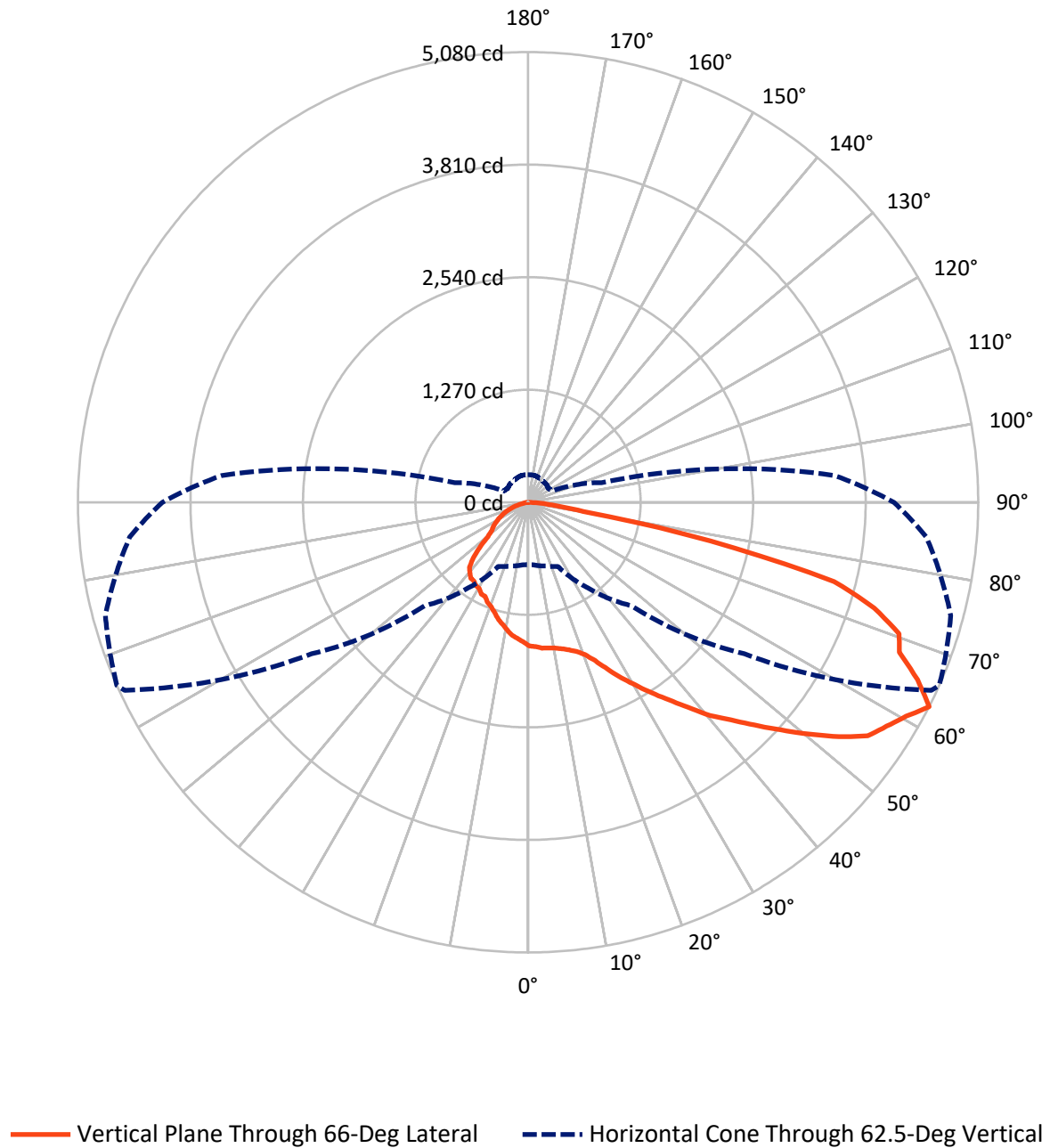


Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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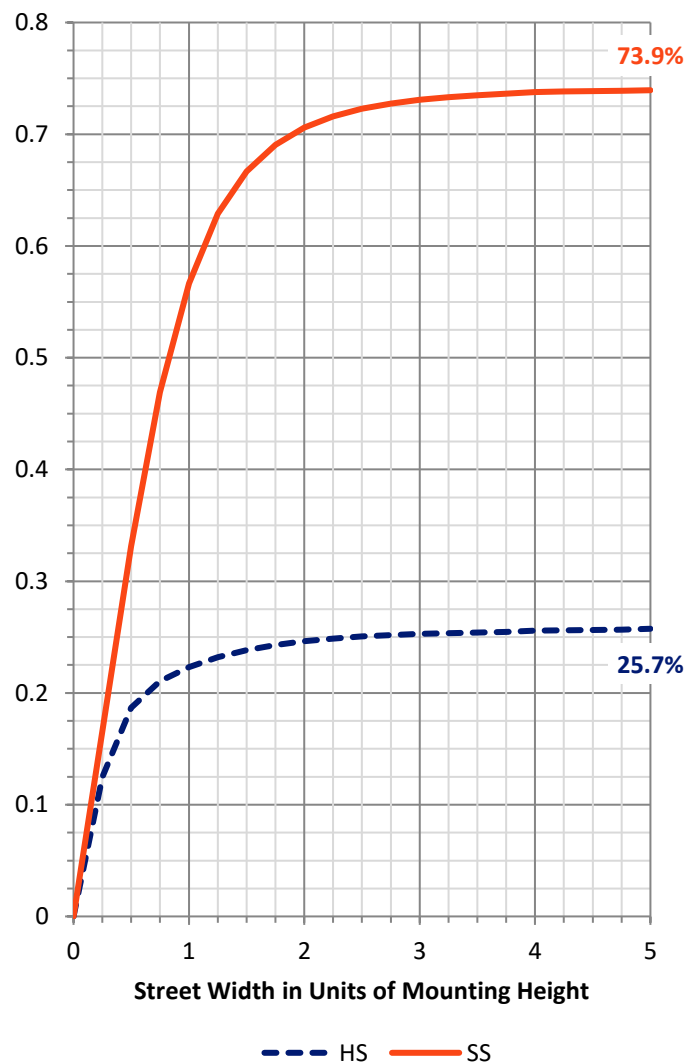
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2003.6	0.0	2003.6
	% Fixture	26.1	0.0	26.1
Street Side	Lumens	5664.4	0.0	5664.4
	% Fixture	73.9	0.0	73.9
Total	Lumens	7668.0	0.0	7668.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.7	2.0
10°-20°	430.6	5.6
20°-30°	699.2	9.1
30°-40°	1008.5	13.2
40°-50°	1311.8	17.1
50°-60°	1523.6	19.9
60°-70°	1507.4	19.7
70°-80°	933.7	12.2
80°-90°	101.4	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°	7668.0	100.0
0°-180°	7668.0	100.0

Coefficient of Utilization



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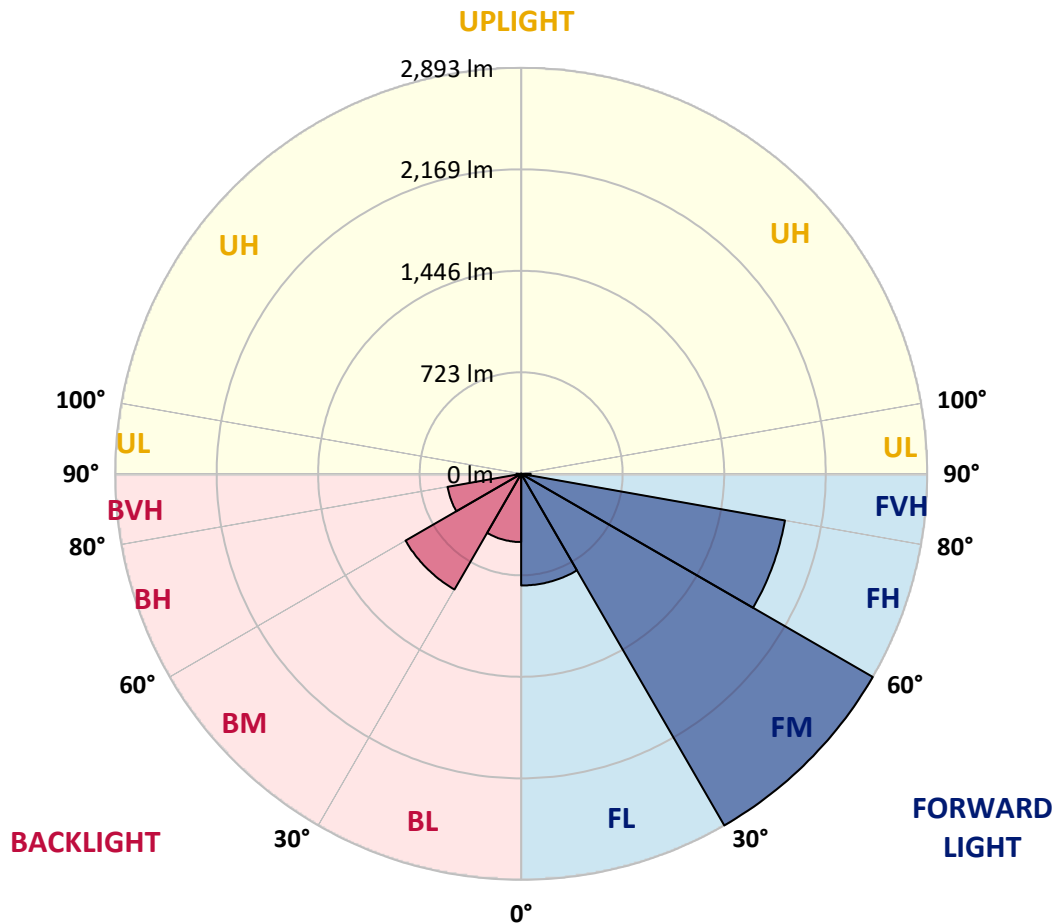
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	795.5	10.4			
FM	(30°-60°)	2892.5	37.7			
FH	(60°-80°)	1908.3	24.9			G2/5000
FVH	(80°-90°)	68.0	0.9			G1/100
BL	(0°-30°)	486.0	6.3	B1/500		
BM	(30°-60°)	951.4	12.4	B1/1000		
BH	(60°-80°)	532.8	6.9	B2/1000		G2/1000
BVH	(80°-90°)	33.4	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°	1622.0	1622.0	1622.0	1622.0	1622.0	1622.0	1622.0	1622.0	1622.0	1622.0	1622.0
2.5°	1680.0	1680.0	1685.3	1666.8	1656.3	1648.3	1640.4	1632.5	1629.9	1622.0	1611.4
5°	1753.8	1753.8	1756.5	1738.0	1716.9	1693.2	1669.4	1653.6	1653.6	1635.2	1608.8
7.5°	1793.4	1793.4	1793.4	1772.3	1759.1	1743.3	1706.4	1661.5	1658.9	1640.4	1603.5
10°	1793.4	1793.4	1803.9	1772.3	1761.7	1745.9	1724.8	1677.4	1672.1	1629.9	1579.8
12.5°	1825.0	1830.3	1825.0	1790.8	1780.2	1767.0	1738.0	1698.5	1695.8	1640.4	1569.2
15°	1869.9	1872.5	1864.6	1840.9	1830.3	1809.2	1774.9	1732.7	1727.5	1661.5	1577.1
17.5°	1880.4	1883.1	1888.3	1859.3	1859.3	1851.4	1833.0	1782.8	1769.7	1711.6	1600.9
20°	1875.2	1877.8	1885.7	1880.4	1883.1	1877.8	1891.0	1848.8	1833.0	1769.7	1637.8
22.5°	1898.9	1904.2	1920.0	1922.6	1933.2	1943.7	1949.0	1951.6	1941.1	1867.2	1714.3
25°	1906.8	1922.6	1943.7	1972.7	2009.7	2030.8	2059.8	2088.8	2086.1	2012.3	1840.9
27.5°	1869.9	1888.3	1954.3	1999.1	2080.9	2138.9	2204.8	2244.4	2244.4	2183.7	1985.9
30°	1904.2	1912.1	1946.4	2009.7	2104.6	2236.5	2339.3	2389.4	2394.7	2355.2	2128.3
32.5°	1833.0	1851.4	1935.8	2057.1	2202.2	2347.2	2450.1	2558.2	2563.5	2550.3	2336.7
35°	1825.0	1835.6	1883.1	2012.3	2199.5	2450.1	2587.2	2724.4	2737.6	2753.4	2539.8
37.5°	1743.3	1764.4	1856.7	2017.6	2273.4	2518.7	2703.3	2914.3	2935.4	2985.5	2713.8
40°	1656.3	1672.1	1748.6	1922.6	2249.7	2605.7	2816.7	3138.4	3164.8	3207.0	2953.8
42.5°	1537.6	1569.2	1701.1	1883.1	2239.1	2632.1	2943.3	3344.2	3354.7	3428.6	3143.7
45°	1426.8	1437.4	1537.6	1745.9	2146.8	2671.6	3038.2	3576.2	3584.2	3631.6	3302.0
47.5°	1337.1	1350.3	1453.2	1629.9	2062.4	2661.1	3133.2	3800.4	3837.3	3890.1	3494.5
50°	1060.2	1089.2	1360.9	1529.7	1917.4	2642.6	3209.7	4069.4	4111.6	4161.7	3700.2
52.5°	915.2	928.3	1065.5	1429.4	1774.9	2563.5	3280.9	4343.7	4393.8	4367.4	3961.3
55°	851.9	859.8	923.1	1231.6	1648.3	2413.2	3333.6	4599.5	4652.3	4525.7	4167.0
57.5°	807.0	817.6	854.5	1007.5	1505.9	2149.4	3338.9	4749.9	4768.3	4657.6	4251.4
60°	746.4	754.3	807.0	880.9	1339.8	1872.5	3243.9	4815.8	4902.8	4797.3	4441.3
62.5°	701.5	709.4	743.7	799.1	1178.9	1651.0	2980.2	5021.5	5079.5	4937.1	4512.5
65°	648.8	648.8	683.1	738.5	1076.0	1516.5	2843.1	4955.6	4829.0	4897.6	4599.5
67.5°	572.3	577.6	611.9	656.7	902.0	1387.2	2505.5	4649.6	4517.8	4707.7	4370.1
70°	509.0	503.7	540.7	574.9	738.5	1223.7	2075.6	4333.2	4441.3	4420.2	4159.1
72.5°	424.6	419.3	451.0	487.9	596.0	1015.4	1640.4	4022.0	4085.3	3953.4	3689.6
75°	329.7	298.0	342.9	390.3	469.4	804.4	1163.1	3331.0	3568.3	3726.6	3146.4
77.5°	52.7	52.7	65.9	92.3	153.0	408.8	519.6	1830.3	2099.3	3172.7	2758.7
80°	42.2	42.2	47.5	63.3	92.3	224.2	174.1	567.0	633.0	1368.8	1587.7
82.5°	23.7	23.7	34.3	42.2	58.0	68.6	76.5	276.9	308.6	485.3	614.5
85°	13.2	13.2	18.5	21.1	23.7	23.7	23.7	126.6	142.4	258.5	279.6
87.5°	7.9	7.9	7.9	7.9	7.9	5.3	2.6	2.6	2.6	2.6	2.6
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°	1622.0	1622.0	1622.0	1622.0	1622.0	1622.0	1622.0	1622.0	1622.0	1622.0	1622.0
2.5°	1606.1	1598.2	1585.0	1574.5	1566.6	1558.7	1545.5	1537.6	1537.6	1550.8	1553.4
5°	1593.0	1574.5	1550.8	1540.2	1527.0	1513.8	1492.7	1482.2	1479.6	1487.5	1492.7
7.5°	1582.4	1556.0	1532.3	1505.9	1466.4	1432.1	1413.6	1400.4	1405.7	1418.9	1413.6
10°	1550.8	1527.0	1490.1	1450.5	1403.1	1374.1	1345.0	1329.2	1331.9	1339.8	1331.9
12.5°	1537.6	1505.9	1445.3	1397.8	1355.6	1300.2	1263.3	1239.6	1239.6	1252.7	1252.7
15°	1537.6	1490.1	1408.3	1350.3	1284.4	1229.0	1186.8	1165.7	1178.9	1171.0	1165.7
17.5°	1550.8	1476.9	1384.6	1287.0	1207.9	1152.5	1102.4	1073.4	1081.3	1086.6	1081.3
20°	1566.6	1476.9	1355.6	1236.9	1144.6	1065.5	1010.1	978.5	975.8	978.5	983.7
22.5°	1619.3	1511.2	1337.1	1205.3	1065.5	989.0	933.6	878.2	875.6	873.0	878.2
25°	1709.0	1574.5	1350.3	1147.2	1020.7	907.2	838.7	791.2	775.4	772.7	778.0
27.5°	1856.7	1685.3	1371.4	1139.3	938.9	836.0	751.6	698.9	683.1	688.3	685.7
30°	2017.6	1827.7	1432.1	1083.9	891.4	730.5	651.4	606.6	590.8	580.2	582.9
32.5°	2136.3	1970.1	1508.6	1065.5	799.1	617.1	559.1	532.7	514.3	501.1	498.5
35°	2323.5	2091.4	1577.1	1023.3	717.4	543.3	495.8	466.8	456.3	448.3	448.3
37.5°	2502.8	2239.1	1645.7	1010.1	611.9	493.2	435.2	416.7	411.4	406.2	406.2
40°	2682.2	2389.4	1685.3	957.4	527.5	432.5	377.1	374.5	382.4	377.1	379.8
42.5°	2903.7	2545.0	1724.8	907.2	466.8	369.2	337.6	358.7	374.5	377.1	377.1
45°	3056.7	2650.5	1740.6	785.9	403.5	321.8	329.7	353.4	371.9	379.8	377.1
47.5°	3196.5	2793.0	1716.9	638.2	350.8	313.8	327.0	342.9	369.2	379.8	379.8
50°	3333.6	2911.6	1695.8	472.1	332.3	316.5	327.0	334.9	364.0	374.5	374.5
52.5°	3526.1	3006.6	1624.6	395.6	316.5	319.1	334.9	332.3	356.0	371.9	377.1
55°	3792.5	3228.1	1487.5	374.5	313.8	316.5	334.9	334.9	350.8	364.0	371.9
57.5°	3911.2	3323.1	1255.4	353.4	305.9	313.8	327.0	329.7	348.1	356.0	353.4
60°	4045.7	3441.7	1028.6	329.7	292.7	308.6	313.8	324.4	337.6	337.6	334.9
62.5°	4127.4	3470.7	857.1	303.3	276.9	290.1	290.1	300.7	311.2	311.2	311.2
65°	4167.0	3441.7	640.9	279.6	258.5	269.0	266.4	271.6	279.6	266.4	266.4
67.5°	4011.4	3333.6	443.1	247.9	237.4	247.9	245.3	247.9	245.3	234.7	237.4
70°	3745.0	3030.3	305.9	211.0	208.4	226.8	229.4	224.2	208.4	200.4	200.4
72.5°	3410.1	2431.6	211.0	168.8	176.7	200.4	205.7	195.2	179.3	171.4	171.4
75°	3093.6	2102.0	150.3	116.0	118.7	153.0	163.5	163.5	158.2	211.0	224.2
77.5°	2152.1	1360.9	87.0	60.7	58.0	87.0	100.2	102.9	197.8	213.6	208.4
80°	1276.5	640.9	63.3	36.9	36.9	50.1	68.6	134.5	226.8	153.0	137.1
82.5°	487.9	245.3	39.6	23.7	21.1	26.4	39.6	208.4	131.9	87.0	79.1
85°	176.7	60.7	18.5	13.2	13.2	15.8	23.7	176.7	92.3	65.9	63.3
87.5°	2.6	2.6	5.3	5.3	5.3	2.6	2.6	5.3	5.3	5.3	2.6
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)