

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: P691610

Luminaire Tested: **CRTK2-C018-5TLD-U-T3-7040-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691610
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-C018-5TLD-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: 7757 lumens
Efficiency: N/A
Efficacy: 144.5 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 53.7
Input Voltage (V): NR
Input Current (A_{in}): 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



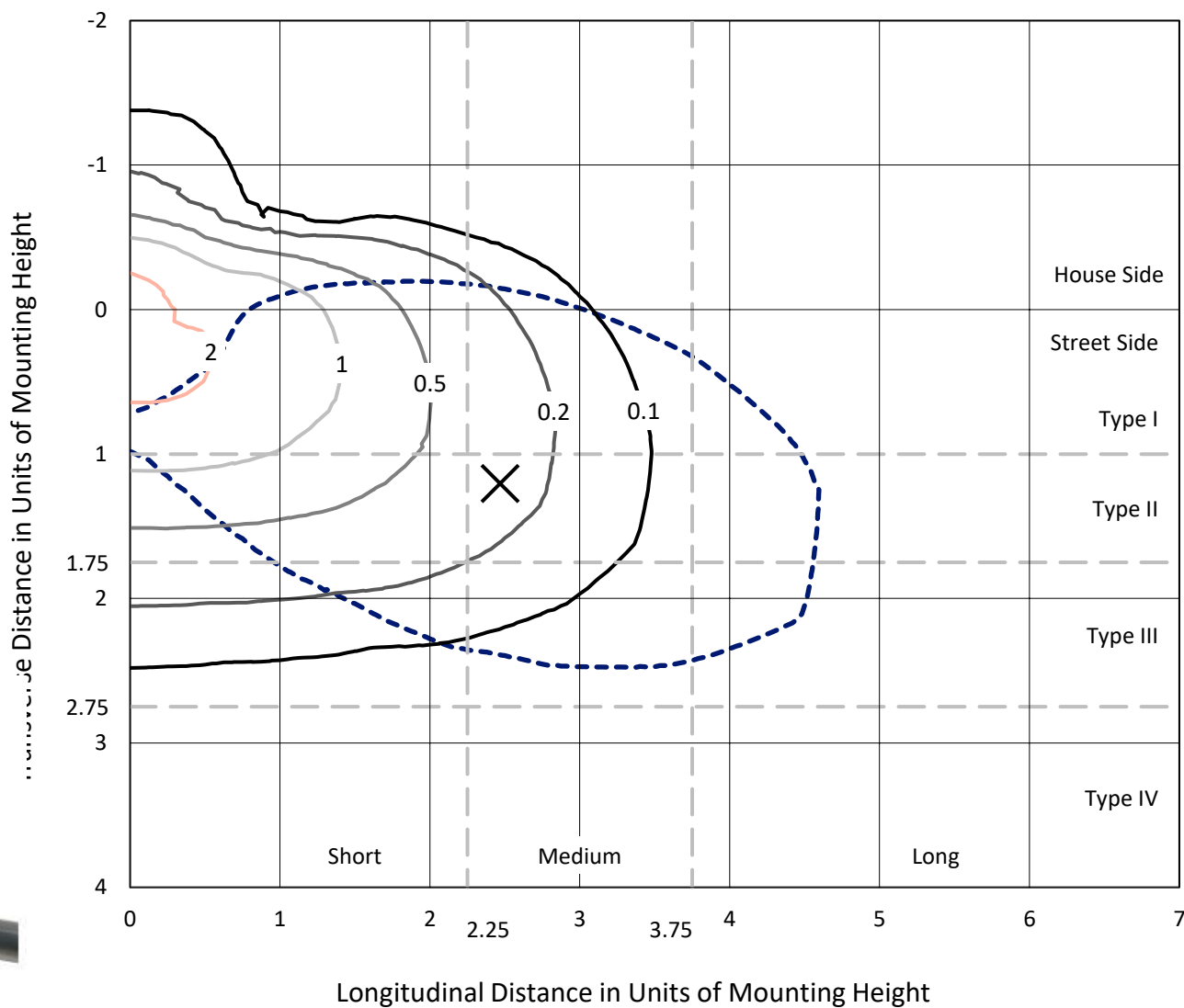
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

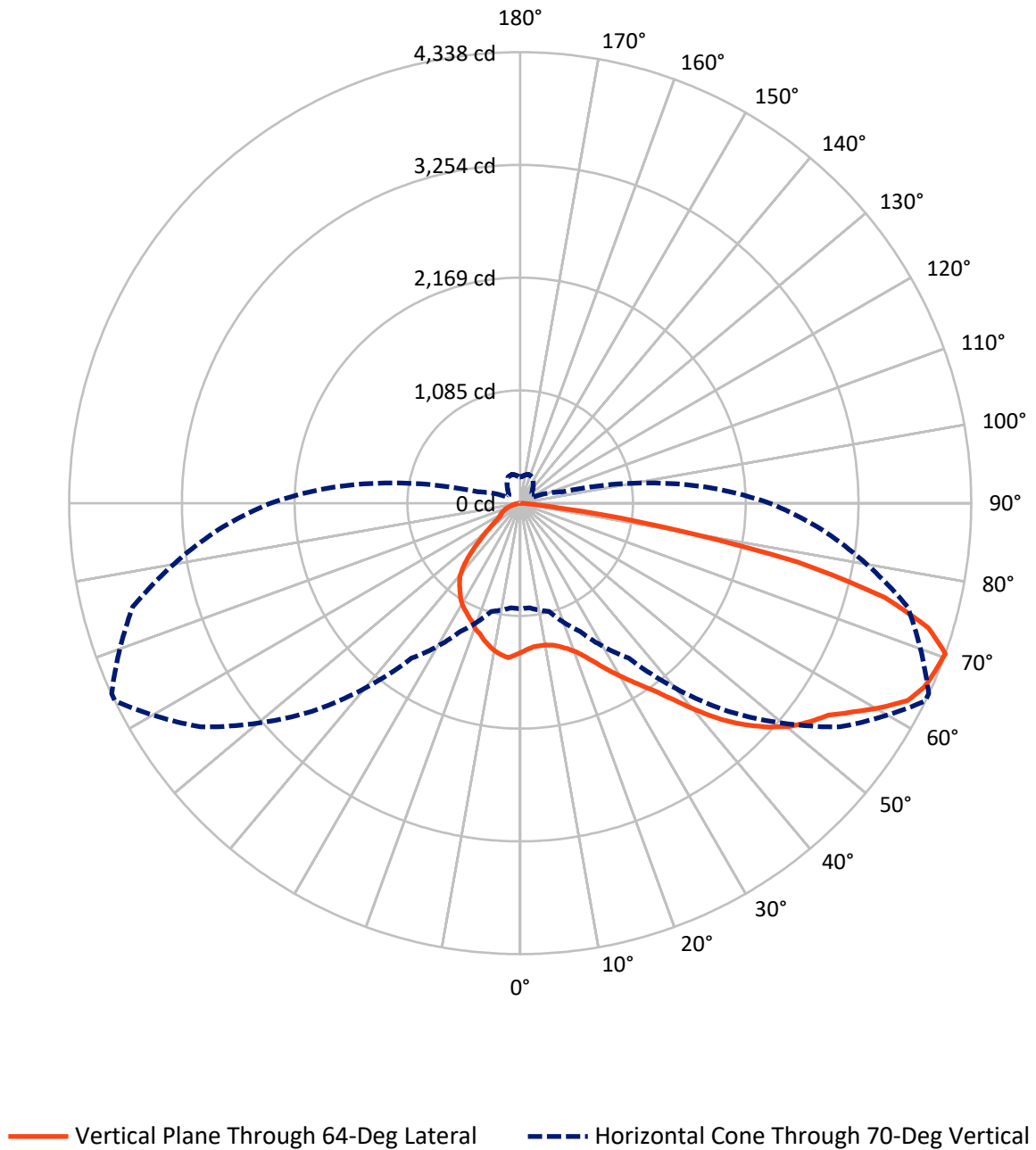


Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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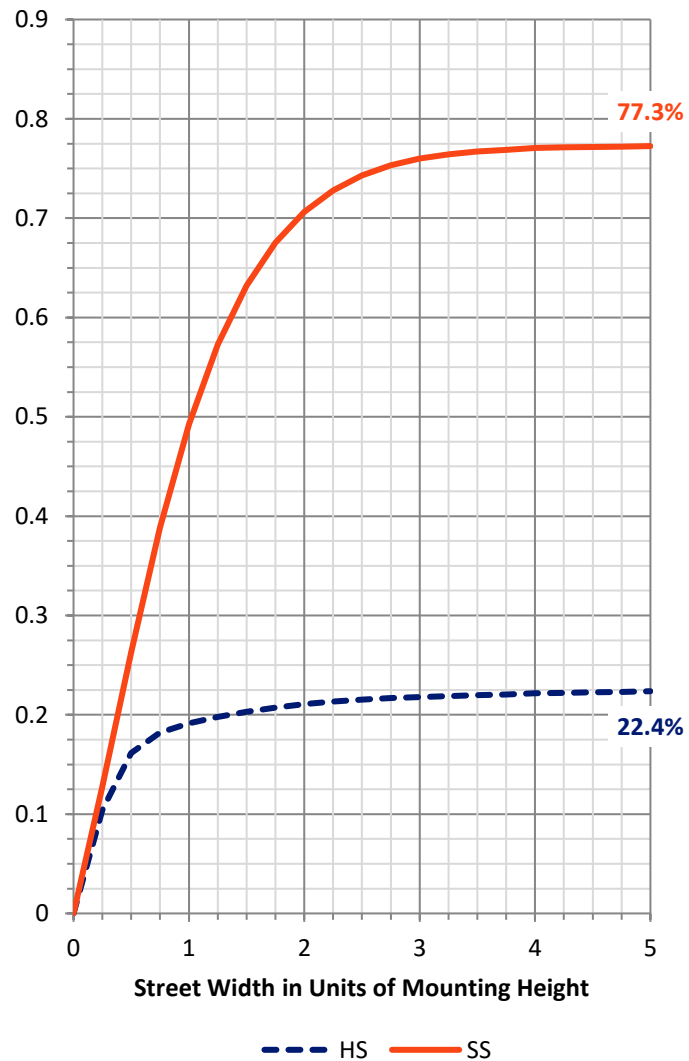
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1762.1	0.0	1762.1
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	5994.9	0.0	5994.9
	% Fixture	77.3	0.0	77.3
Total	Lumens	7757.0	0.0	7757.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.0	1.8
10°-20°	404.5	5.2
20°-30°	671.5	8.7
30°-40°	960.5	12.4
40°-50°	1282.6	16.5
50°-60°	1550.0	20.0
60°-70°	1649.7	21.3
70°-80°	1013.4	13.1
80°-90°	86.8	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°	7757.0	100.0
0°-180°	7757.0	100.0

Coefficient of Utilization



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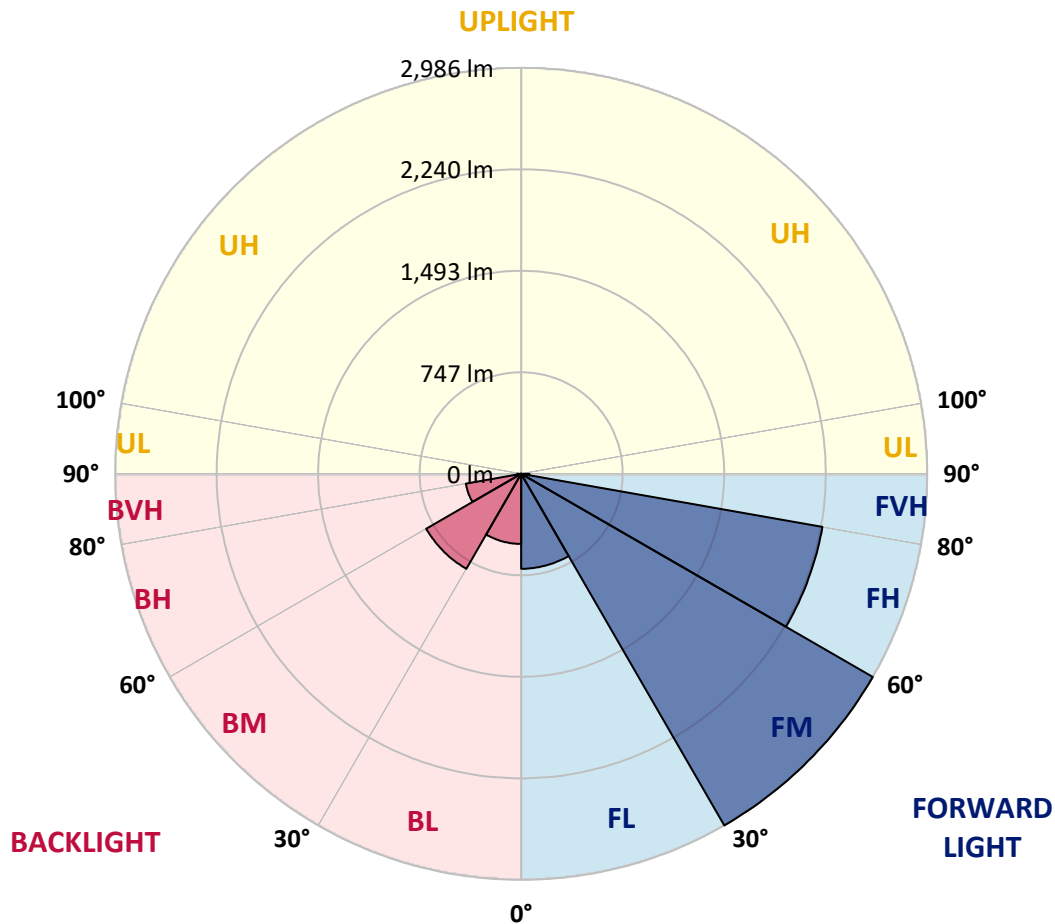
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	698.5	9.0			
FM	(30°-60°)	2986.3	38.5			
FH	(60°-80°)	2249.8	29.0			G2/5000
FVH	(80°-90°)	60.3	0.8			G1/100
BL	(0°-30°)	515.5	6.6	B2/1000		
BM	(30°-60°)	806.8	10.4	B1/1000		
BH	(60°-80°)	413.3	5.3	B1/500		G1/500
BVH	(80°-90°)	26.5	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°	1434.7	1434.7	1434.7	1434.7	1434.7	1434.7	1434.7	1434.7	1434.7	1434.7	1434.7
2.5°	1400.4	1400.4	1400.4	1400.4	1403.0	1405.7	1403.0	1405.7	1405.7	1410.9	1418.9
5°	1424.1	1424.1	1418.9	1408.3	1400.4	1389.8	1384.6	1387.2	1387.2	1400.4	1421.5
7.5°	1432.0	1432.0	1426.8	1426.8	1418.9	1395.1	1387.2	1384.6	1387.2	1392.5	1421.5
10°	1471.6	1469.0	1455.8	1440.0	1429.4	1408.3	1389.8	1387.2	1389.8	1397.8	1429.4
12.5°	1513.8	1513.8	1508.5	1495.3	1466.3	1445.2	1413.6	1403.0	1400.4	1408.3	1426.8
15°	1598.2	1587.6	1566.5	1548.1	1527.0	1492.7	1450.5	1432.0	1426.8	1437.3	1429.4
17.5°	1648.3	1640.4	1643.0	1614.0	1595.5	1548.1	1505.9	1471.6	1469.0	1479.5	1445.2
20°	1703.7	1701.0	1706.3	1703.7	1674.7	1632.5	1566.5	1524.3	1519.1	1521.7	1469.0
22.5°	1788.1	1788.1	1785.4	1785.4	1769.6	1719.5	1645.7	1603.5	1595.5	1577.1	1508.5
25°	1880.4	1880.4	1880.4	1885.6	1885.6	1827.6	1753.8	1706.3	1701.0	1674.7	1574.5
27.5°	1967.4	1972.7	1975.3	1978.0	1985.9	1959.5	1877.7	1822.4	1819.7	1785.4	1661.5
30°	2036.0	2038.6	2062.3	2067.6	2083.4	2075.5	1996.4	1943.7	1948.9	1904.1	1759.1
32.5°	2096.6	2099.3	2133.6	2152.0	2170.5	2173.1	2107.2	2070.3	2070.3	2030.7	1877.7
35°	2154.7	2157.3	2199.5	2244.3	2281.2	2270.7	2233.8	2212.7	2220.6	2207.4	2041.2
37.5°	2204.8	2215.3	2270.7	2336.6	2378.8	2386.7	2370.9	2399.9	2415.7	2436.8	2262.8
40°	2252.2	2257.5	2310.3	2378.8	2450.0	2486.9	2505.4	2624.1	2639.9	2655.7	2389.4
42.5°	2207.4	2217.9	2331.3	2434.2	2523.9	2587.2	2674.2	2848.3	2882.5	2795.5	2560.8
45°	2154.7	2167.8	2281.2	2455.3	2581.9	2697.9	2858.8	3043.4	3069.8	2937.9	2653.1
47.5°	2109.8	2125.6	2241.7	2436.8	2642.5	2848.3	3009.1	3217.5	3233.3	3059.2	2779.7
50°	2059.7	2072.9	2196.8	2413.1	2674.2	2985.4	3167.4	3375.7	3381.0	3159.5	2845.6
52.5°	1993.8	2007.0	2133.6	2376.2	2697.9	3077.7	3299.2	3491.7	3470.6	3288.7	2922.1
55°	1909.4	1927.8	2065.0	2326.1	2711.1	3133.1	3388.9	3599.9	3589.3	3441.6	3022.3
57.5°	1819.7	1838.2	1978.0	2257.5	2697.9	3167.4	3481.2	3787.1	3784.5	3565.6	3096.2
60°	1719.5	1735.3	1854.0	2167.8	2626.7	3222.7	3684.3	3990.2	4011.3	3705.4	3125.2
62.5°	1587.6	1590.3	1709.0	2038.6	2534.4	3262.3	3829.3	4182.7	4169.5	3797.7	3130.4
65°	1413.6	1421.5	1527.0	1859.3	2384.1	3230.7	3866.2	4269.7	4269.7	3866.2	3125.2
67.5°	1244.8	1242.2	1331.8	1635.1	2152.0	3090.9	3834.6	4306.7	4325.1	3911.1	3056.6
70°	1015.3	1010.1	1078.6	1360.8	1819.7	2832.4	3752.8	4338.3	4335.7	3858.3	2911.5
72.5°	751.6	749.0	796.5	1031.2	1392.5	2423.7	3510.2	4106.2	4079.9	3605.2	2629.4
75°	416.7	395.6	393.0	638.2	809.6	1698.4	2982.8	3621.0	3631.5	3185.8	2202.1
77.5°	60.7	63.3	65.9	116.0	139.8	635.6	1938.4	2729.6	2724.3	2457.9	1606.1
80°	42.2	44.8	47.5	58.0	65.9	150.3	669.9	1376.7	1455.8	1292.3	741.1
82.5°	31.6	31.6	34.3	39.6	36.9	68.6	208.3	382.4	395.6	358.7	218.9
85°	21.1	21.1	18.5	21.1	13.2	18.5	47.5	71.2	76.5	73.8	60.7
87.5°	10.5	10.5	7.9	7.9	5.3	5.3	5.3	2.6	5.3	2.6	5.3
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°	1434.7	1434.7	1434.7	1434.7	1434.7	1434.7	1434.7	1434.7	1434.7	1434.7	1434.7
2.5°	1426.8	1432.0	1447.9	1461.0	1476.9	1495.3	1505.9	1516.4	1527.0	1521.7	1529.6
5°	1432.0	1442.6	1466.3	1490.1	1503.2	1505.9	1508.5	1516.4	1532.3	1532.3	1545.4
7.5°	1437.3	1455.8	1455.8	1469.0	1487.4	1492.7	1495.3	1500.6	1508.5	1511.2	1508.5
10°	1437.3	1429.4	1442.6	1445.2	1437.3	1450.5	1458.4	1455.8	1463.7	1466.3	1466.3
12.5°	1421.5	1418.9	1408.3	1408.3	1405.7	1384.6	1384.6	1405.7	1405.7	1418.9	1421.5
15°	1421.5	1400.4	1387.2	1368.7	1350.3	1342.4	1331.8	1316.0	1321.3	1339.7	1345.0
17.5°	1418.9	1395.1	1355.6	1318.6	1305.4	1273.8	1263.3	1263.3	1260.6	1271.2	1273.8
20°	1429.4	1395.1	1334.5	1292.3	1221.1	1210.5	1189.4	1192.0	1194.7	1178.9	1170.9
22.5°	1458.4	1416.2	1318.6	1236.9	1181.5	1134.0	1094.5	1068.1	1065.5	1057.5	1065.5
25°	1503.2	1453.1	1321.3	1205.2	1115.6	1047.0	1020.6	957.3	928.3	931.0	946.8
27.5°	1585.0	1498.0	1334.5	1170.9	1062.8	965.2	880.8	841.3	809.6	809.6	814.9
30°	1661.5	1566.5	1329.2	1141.9	981.1	859.8	751.6	688.3	677.8	667.2	664.6
32.5°	1803.9	1653.6	1381.9	1099.7	904.6	725.2	617.1	530.1	538.0	540.6	545.9
35°	1946.3	1793.3	1392.5	1047.0	793.8	590.7	477.3	429.9	451.0	456.2	461.5
37.5°	2136.2	1967.4	1463.7	999.5	680.4	453.6	379.8	358.7	379.8	379.8	382.4
40°	2239.0	2049.2	1521.7	952.1	532.7	334.9	298.0	282.2	308.6	329.7	334.9
42.5°	2384.1	2154.7	1574.5	857.1	377.1	250.5	229.4	261.1	303.3	324.4	327.0
45°	2457.9	2207.4	1556.0	730.5	247.9	203.1	224.2	263.7	305.9	327.0	329.7
47.5°	2558.2	2281.2	1519.1	582.8	197.8	200.4	226.8	271.6	313.8	332.3	334.9
50°	2655.7	2357.7	1424.1	464.2	189.9	200.4	232.1	274.3	311.2	324.4	321.7
52.5°	2711.1	2428.9	1302.8	353.4	189.9	203.1	237.4	279.6	308.6	311.2	311.2
55°	2761.2	2436.8	1202.6	274.3	187.2	205.7	242.6	284.8	311.2	311.2	305.9
57.5°	2792.9	2405.2	1126.1	237.4	187.2	205.7	242.6	284.8	324.4	332.3	324.4
60°	2779.7	2344.5	1073.4	221.5	182.0	203.1	240.0	292.7	398.2	416.7	400.9
62.5°	2748.0	2310.3	960.0	203.1	174.1	195.2	234.7	316.5	427.2	429.9	416.7
65°	2719.0	2196.8	822.8	182.0	163.5	187.2	226.8	321.7	361.3	348.1	345.5
67.5°	2587.2	2049.2	627.7	160.9	147.7	176.7	218.9	295.4	321.7	305.9	300.6
70°	2399.9	1790.7	419.3	137.1	131.9	163.5	218.9	276.9	287.5	261.1	250.5
72.5°	2057.1	1482.1	229.4	110.8	110.8	150.3	197.8	258.5	266.4	234.7	216.3
75°	1674.7	1073.4	147.7	84.4	84.4	126.6	179.3	245.3	261.1	226.8	203.1
77.5°	1152.5	588.1	102.9	60.7	55.4	97.6	142.4	200.4	232.1	195.2	166.1
80°	390.3	155.6	65.9	39.6	34.3	55.4	94.9	155.6	211.0	200.4	179.3
82.5°	153.0	97.6	44.8	26.4	23.7	26.4	47.5	97.6	168.8	182.0	211.0
85°	44.8	26.4	15.8	13.2	13.2	13.2	13.2	39.6	100.2	131.9	166.1
87.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	23.7	42.2	55.4
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)