

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: P691670

Luminaire Tested: **CRTK2-C018-D-U-T2-7040-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691670
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-D-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: 6639 lumens
Efficiency: N/A
Efficacy: 131.7 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 50.4
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



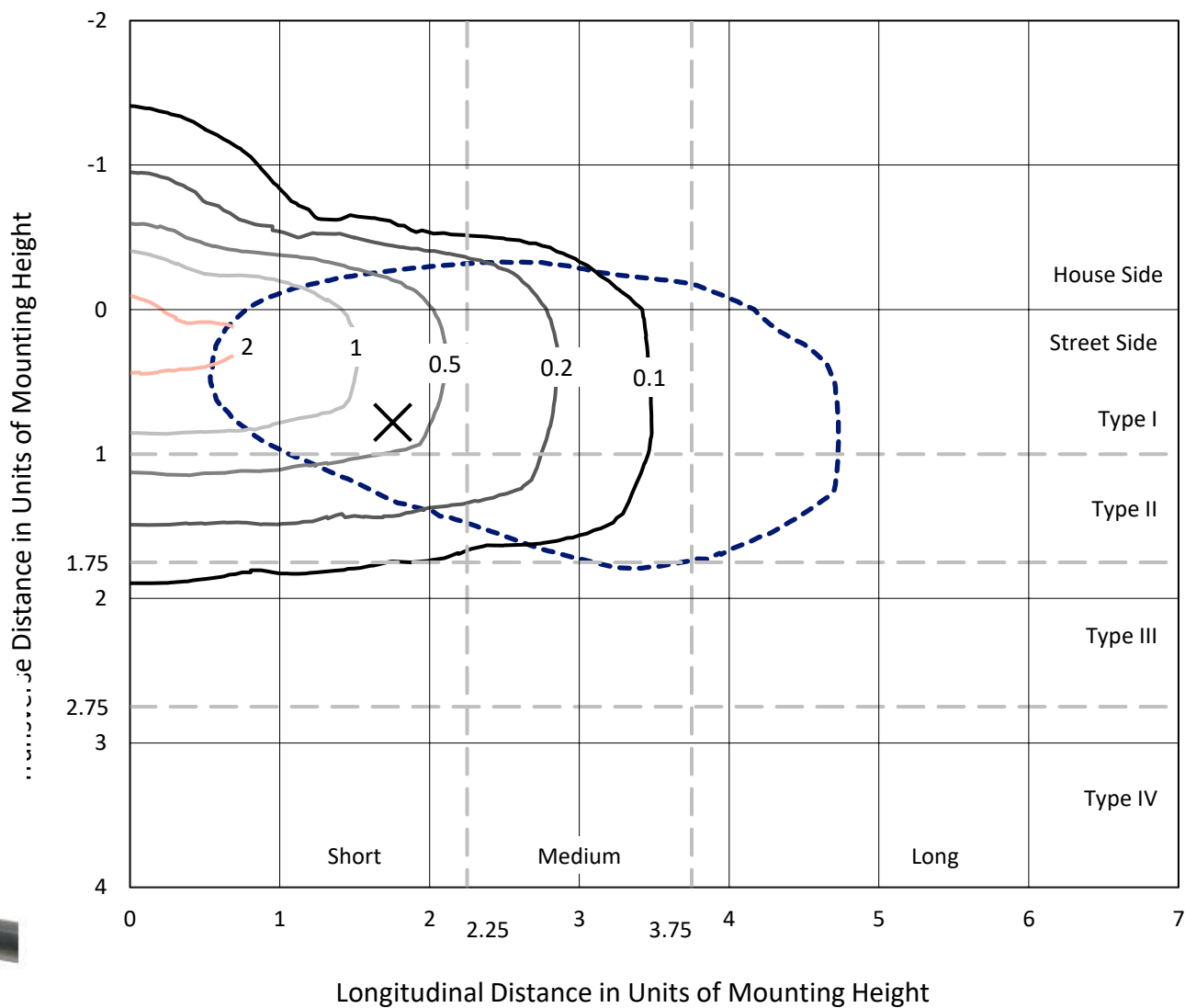
REPORT NUMBER: P691670

CATALOG NUMBER: CRTK2-C018-D-U-T2-7040-U0

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

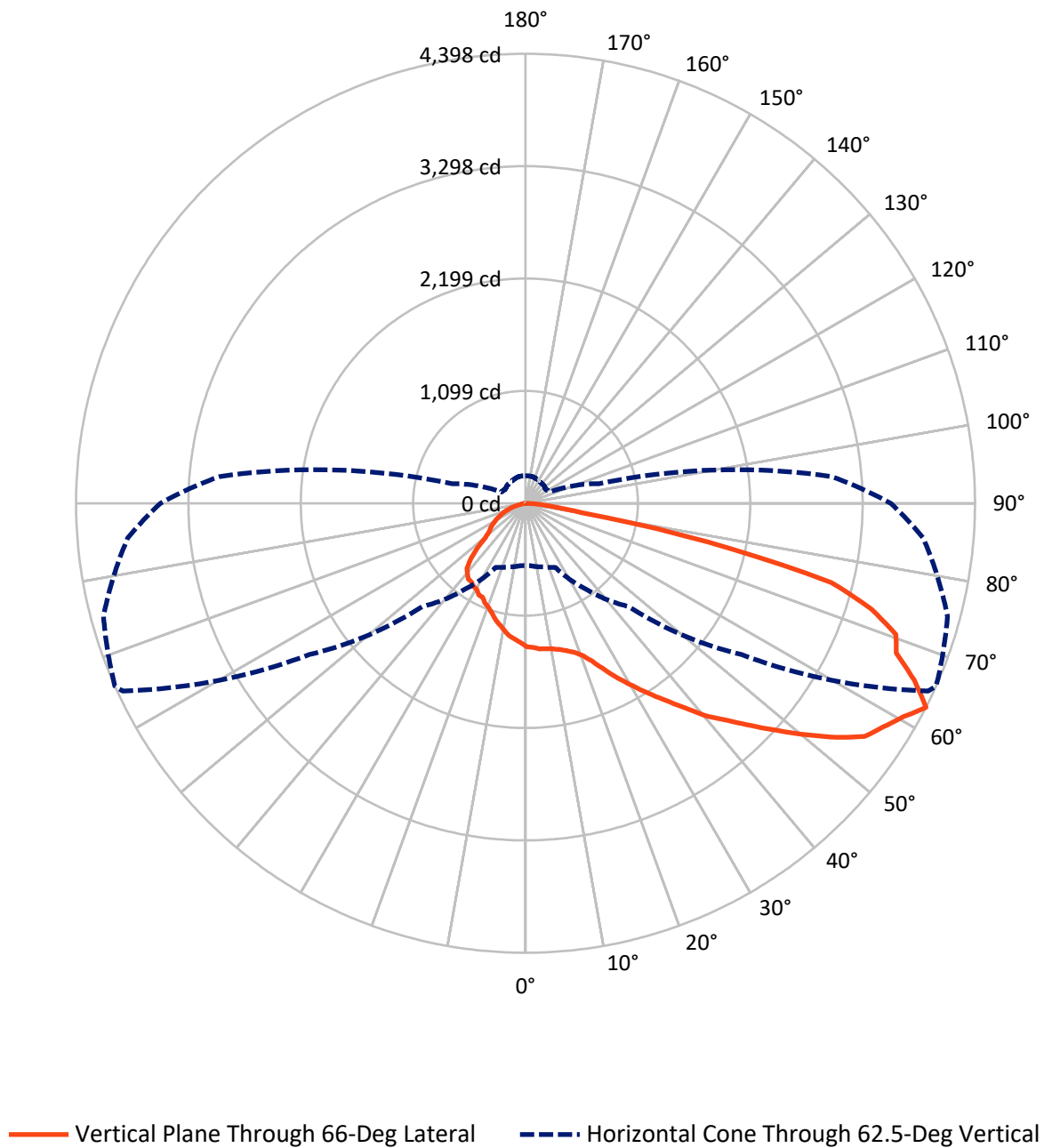
--- 1/2 Max cd



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

REPORT NUMBER: P691670
CATALOG NUMBER: CRTK2-C018-D-U-T2-7040-U0

Luminous Intensity Polar Plot



REPORT NUMBER: P691670

CATALOG NUMBER: CRTK2-C018-D-U-T2-7040-U0

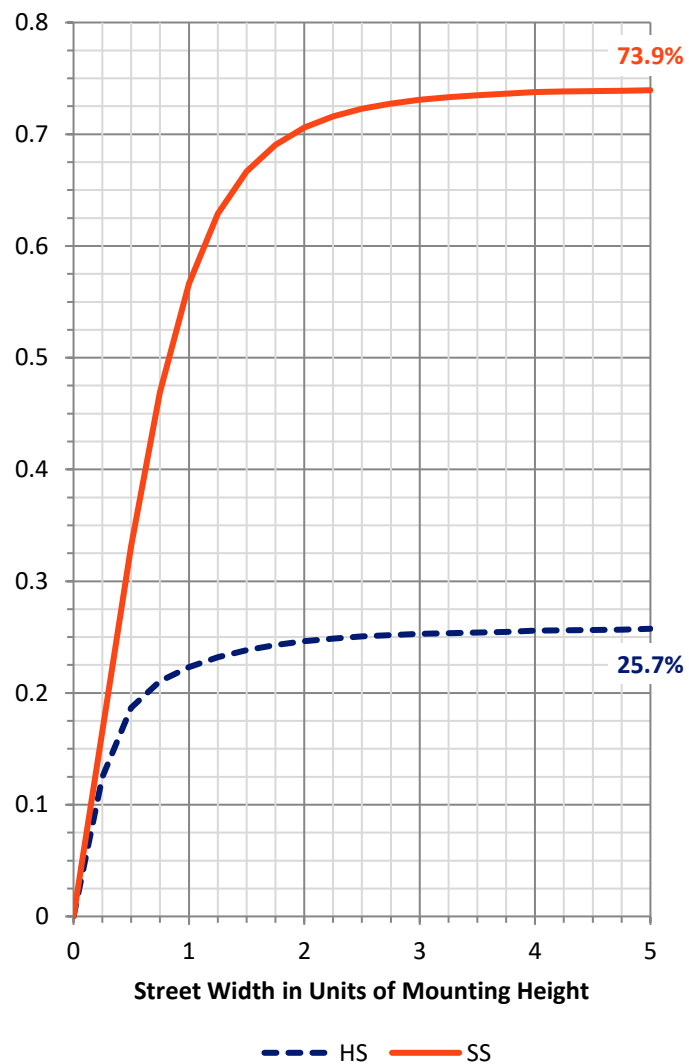
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1734.8	0.0	1734.8
	% Fixture	26.1	0.0	26.1
Street Side	Lumens	4904.3	0.0	4904.3
	% Fixture	73.9	0.0	73.9
Total	Lumens	6639.0	0.0	6639.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.4	2.0
10°-20°	372.8	5.6
20°-30°	605.4	9.1
30°-40°	873.1	13.2
40°-50°	1135.7	17.1
50°-60°	1319.2	19.9
60°-70°	1305.2	19.7
70°-80°	808.4	12.2
80°-90°	87.8	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°	6639.0	100.0
0°-180°	6639.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691670

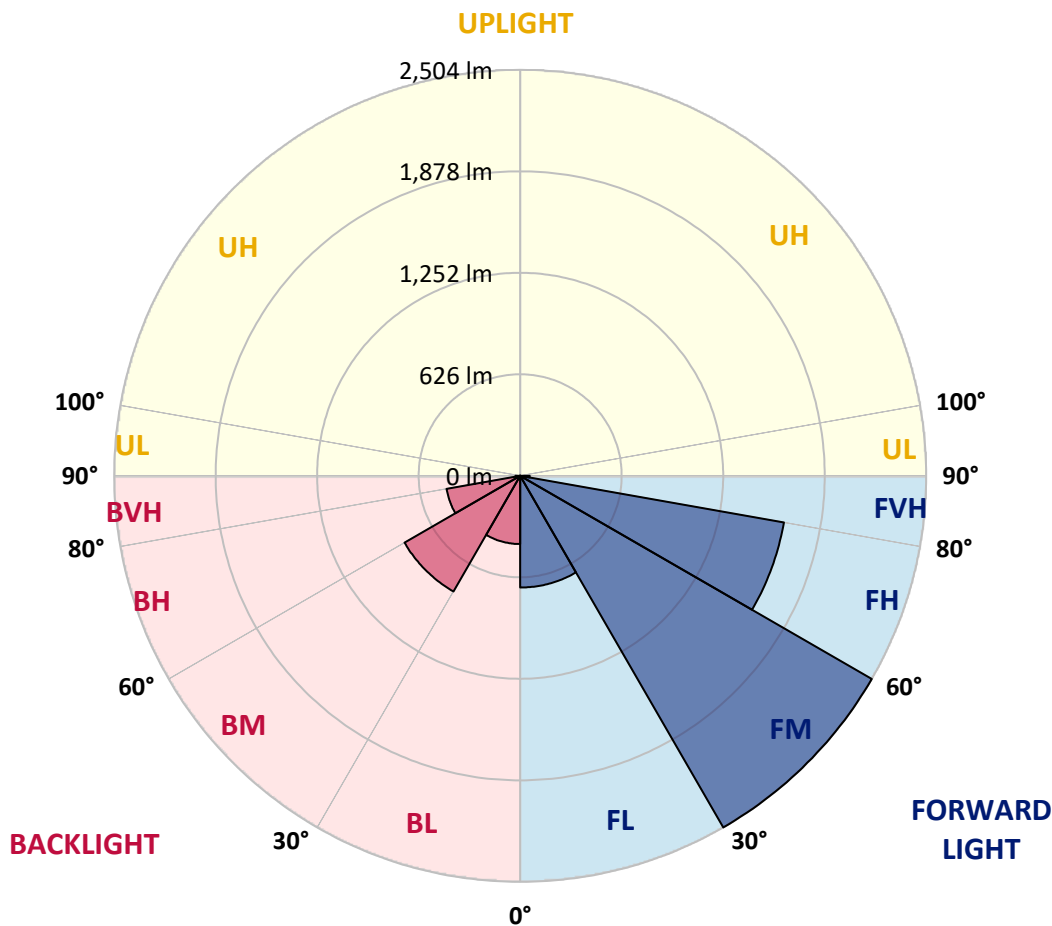
CATALOG NUMBER: CRTK2-C018-D-U-T2-7040-U0

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	688.8	10.4			
FM	(30°-60°)	2504.3	37.7			
FH	(60°-80°)	1652.3	24.9			G1/1800
FVH	(80°-90°)	58.9	0.9			G1/100
BL	(0°-30°)	420.8	6.3	B1/500		
BM	(30°-60°)	823.7	12.4	B1/1000		
BH	(60°-80°)	461.3	6.9	B1/500		G1/500
BVH	(80°-90°)	28.9	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short



REPORT NUMBER: P691670

CATALOG NUMBER: CRTK2-C018-D-U-T2-7040-U0

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1404.3	1404.3	1404.3	1404.3	1404.3	1404.3	1404.3	1404.3	1404.3	1404.3	1404.3
2.5°	1454.5	1454.5	1459.1	1443.1	1434.0	1427.1	1420.3	1413.4	1411.2	1404.3	1395.2
5°	1518.5	1518.5	1520.8	1504.8	1486.5	1466.0	1445.4	1431.7	1431.7	1415.7	1392.9
7.5°	1552.7	1552.7	1552.7	1534.5	1523.0	1509.3	1477.4	1438.6	1436.3	1420.3	1388.3
10°	1552.7	1552.7	1561.9	1534.5	1525.3	1511.6	1493.4	1452.3	1447.7	1411.2	1367.8
12.5°	1580.1	1584.7	1580.1	1550.4	1541.3	1529.9	1504.8	1470.5	1468.2	1420.3	1358.6
15°	1619.0	1621.2	1614.4	1593.8	1584.7	1566.4	1536.7	1500.2	1495.6	1438.6	1365.5
17.5°	1628.1	1630.4	1634.9	1609.8	1609.8	1603.0	1587.0	1543.6	1532.2	1481.9	1386.0
20°	1623.5	1625.8	1632.7	1628.1	1630.4	1625.8	1637.2	1600.7	1587.0	1532.2	1418.0
22.5°	1644.1	1648.6	1662.3	1664.6	1673.8	1682.9	1687.5	1689.7	1680.6	1616.7	1484.2
25°	1650.9	1664.6	1682.9	1708.0	1740.0	1758.2	1783.4	1808.5	1806.2	1742.3	1593.8
27.5°	1619.0	1634.9	1692.0	1730.8	1801.6	1851.9	1908.9	1943.2	1943.2	1890.7	1719.4
30°	1648.6	1655.5	1685.2	1740.0	1822.2	1936.3	2025.4	2068.8	2073.4	2039.1	1842.7
32.5°	1587.0	1603.0	1676.0	1781.1	1906.7	2032.3	2121.3	2214.9	2219.5	2208.1	2023.1
35°	1580.1	1589.3	1630.4	1742.3	1904.4	2121.3	2240.0	2358.8	2370.2	2383.9	2198.9
37.5°	1509.3	1527.6	1607.5	1746.8	1968.3	2180.7	2340.5	2523.2	2541.5	2584.8	2349.7
40°	1434.0	1447.7	1513.9	1664.6	1947.8	2256.0	2438.7	2717.3	2740.1	2776.7	2557.4
42.5°	1331.2	1358.6	1472.8	1630.4	1938.6	2278.9	2548.3	2895.4	2904.5	2968.5	2721.9
45°	1235.3	1244.5	1331.2	1511.6	1858.7	2313.1	2630.5	3096.3	3103.2	3144.3	2858.9
47.5°	1157.7	1169.1	1258.2	1411.2	1785.6	2304.0	2712.7	3290.4	3322.4	3368.1	3025.5
50°	917.9	943.1	1178.3	1324.4	1660.1	2288.0	2778.9	3523.3	3559.9	3603.3	3203.7
52.5°	792.4	803.8	922.5	1237.6	1536.7	2219.5	2840.6	3760.8	3804.2	3781.4	3429.7
55°	737.5	744.4	799.2	1066.4	1427.1	2089.3	2886.3	3982.3	4028.0	3918.4	3607.8
57.5°	698.7	707.9	739.8	872.3	1303.8	1861.0	2890.8	4112.5	4128.4	4032.5	3680.9
60°	646.2	653.1	698.7	762.7	1160.0	1621.2	2808.6	4169.5	4244.9	4153.6	3845.3
62.5°	607.4	614.2	643.9	691.9	1020.7	1429.4	2580.3	4347.7	4397.9	4274.6	3907.0
65°	561.7	561.7	591.4	639.4	931.6	1313.0	2461.5	4290.6	4181.0	4240.3	3982.3
67.5°	495.5	500.1	529.8	568.6	780.9	1201.1	2169.3	4025.7	3911.5	4075.9	3783.6
70°	440.7	436.1	468.1	497.8	639.4	1059.5	1797.1	3751.7	3845.3	3827.0	3601.0
72.5°	367.6	363.1	390.5	422.4	516.1	879.1	1420.3	3482.2	3537.0	3422.9	3194.5
75°	285.4	258.0	296.8	337.9	406.5	696.4	1007.0	2884.0	3089.5	3226.5	2724.1
77.5°	45.7	45.7	57.1	79.9	132.4	353.9	449.8	1584.7	1817.6	2747.0	2388.5
80°	36.5	36.5	41.1	54.8	79.9	194.1	150.7	490.9	548.0	1185.1	1374.6
82.5°	20.6	20.6	29.7	36.5	50.2	59.4	66.2	239.8	267.2	420.2	532.0
85°	11.4	11.4	16.0	18.3	20.6	20.6	20.6	109.6	123.3	223.8	242.0
87.5°	6.9	6.9	6.9	6.9	6.9	4.6	2.3	2.3	2.3	2.3	2.3
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: P691670

CATALOG NUMBER: CRTK2-C018-D-U-T2-7040-U0

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1404.3	1404.3	1404.3	1404.3	1404.3	1404.3	1404.3	1404.3	1404.3	1404.3	1404.3
2.5°	1390.6	1383.8	1372.3	1363.2	1356.4	1349.5	1338.1	1331.2	1331.2	1342.7	1344.9
5°	1379.2	1363.2	1342.7	1333.5	1322.1	1310.7	1292.4	1283.3	1281.0	1287.9	1292.4
7.5°	1370.1	1347.2	1326.7	1303.8	1269.6	1239.9	1223.9	1212.5	1217.1	1228.5	1223.9
10°	1342.7	1322.1	1290.1	1255.9	1214.8	1189.7	1164.5	1150.8	1153.1	1160.0	1153.1
12.5°	1331.2	1303.8	1251.3	1210.2	1173.7	1125.7	1093.8	1073.2	1073.2	1084.6	1084.6
15°	1331.2	1290.1	1219.4	1169.1	1112.0	1064.1	1027.5	1009.3	1020.7	1013.8	1009.3
17.5°	1342.7	1278.7	1198.8	1114.3	1045.8	997.9	954.5	929.4	936.2	940.8	936.2
20°	1356.4	1278.7	1173.7	1070.9	991.0	922.5	874.6	847.2	844.9	847.2	851.7
22.5°	1402.0	1308.4	1157.7	1043.5	922.5	856.3	808.3	760.4	758.1	755.8	760.4
25°	1479.7	1363.2	1169.1	993.3	883.7	785.5	726.1	685.0	671.3	669.0	673.6
27.5°	1607.5	1459.1	1187.4	986.4	812.9	723.8	650.8	605.1	591.4	596.0	593.7
30°	1746.8	1582.4	1239.9	938.5	771.8	632.5	564.0	525.2	511.5	502.4	504.6
32.5°	1849.6	1705.7	1306.1	922.5	691.9	534.3	484.1	461.3	445.3	433.9	431.6
35°	2011.7	1810.8	1365.5	886.0	621.1	470.4	429.3	404.2	395.0	388.2	388.2
37.5°	2167.0	1938.6	1424.9	874.6	529.8	427.0	376.8	360.8	356.2	351.6	351.6
40°	2322.2	2068.8	1459.1	828.9	456.7	374.5	326.5	324.2	331.1	326.5	328.8
42.5°	2514.1	2203.5	1493.4	785.5	404.2	319.7	292.3	310.5	324.2	326.5	326.5
45°	2646.5	2294.8	1507.1	680.5	349.4	278.6	285.4	306.0	322.0	328.8	326.5
47.5°	2767.5	2418.2	1486.5	552.6	303.7	271.7	283.1	296.8	319.7	328.8	328.8
50°	2886.3	2520.9	1468.2	408.7	287.7	274.0	283.1	290.0	315.1	324.2	324.2
52.5°	3052.9	2603.1	1406.6	342.5	274.0	276.3	290.0	287.7	308.3	322.0	326.5
55°	3283.6	2794.9	1287.9	324.2	271.7	274.0	290.0	290.0	303.7	315.1	322.0
57.5°	3386.3	2877.1	1086.9	306.0	264.9	271.7	283.1	285.4	301.4	308.3	306.0
60°	3502.8	2979.9	890.5	285.4	253.5	267.2	271.7	280.9	292.3	292.3	290.0
62.5°	3573.6	3005.0	742.1	262.6	239.8	251.2	251.2	260.3	269.4	269.4	269.4
65°	3607.8	2979.9	554.9	242.0	223.8	232.9	230.6	235.2	242.0	230.6	230.6
67.5°	3473.1	2886.3	383.6	214.6	205.5	214.6	212.4	214.6	212.4	203.2	205.5
70°	3242.5	2623.7	264.9	182.7	180.4	196.4	198.7	194.1	180.4	173.5	173.5
72.5°	2952.5	2105.3	182.7	146.1	153.0	173.5	178.1	169.0	155.3	148.4	148.4
75°	2678.5	1819.9	130.2	100.5	102.8	132.4	141.6	141.6	137.0	182.7	194.1
77.5°	1863.3	1178.3	75.4	52.5	50.2	75.4	86.8	89.1	171.3	185.0	180.4
80°	1105.2	554.9	54.8	32.0	32.0	43.4	59.4	116.5	196.4	132.4	118.7
82.5°	422.4	212.4	34.3	20.6	18.3	22.8	34.3	180.4	114.2	75.4	68.5
85°	153.0	52.5	16.0	11.4	11.4	13.7	20.6	153.0	79.9	57.1	54.8
87.5°	2.3	2.3	4.6	4.6	4.6	2.3	2.3	4.6	4.6	4.6	2.3
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)