

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: P691694

Luminaire Tested: **CRTK2-C018-D-U-T3-7030-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691694
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-D-U-T3-7030-U0
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE III OPTIC AND U0 SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6524 lumens
Efficiency: N/A
Efficacy: 129.4 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

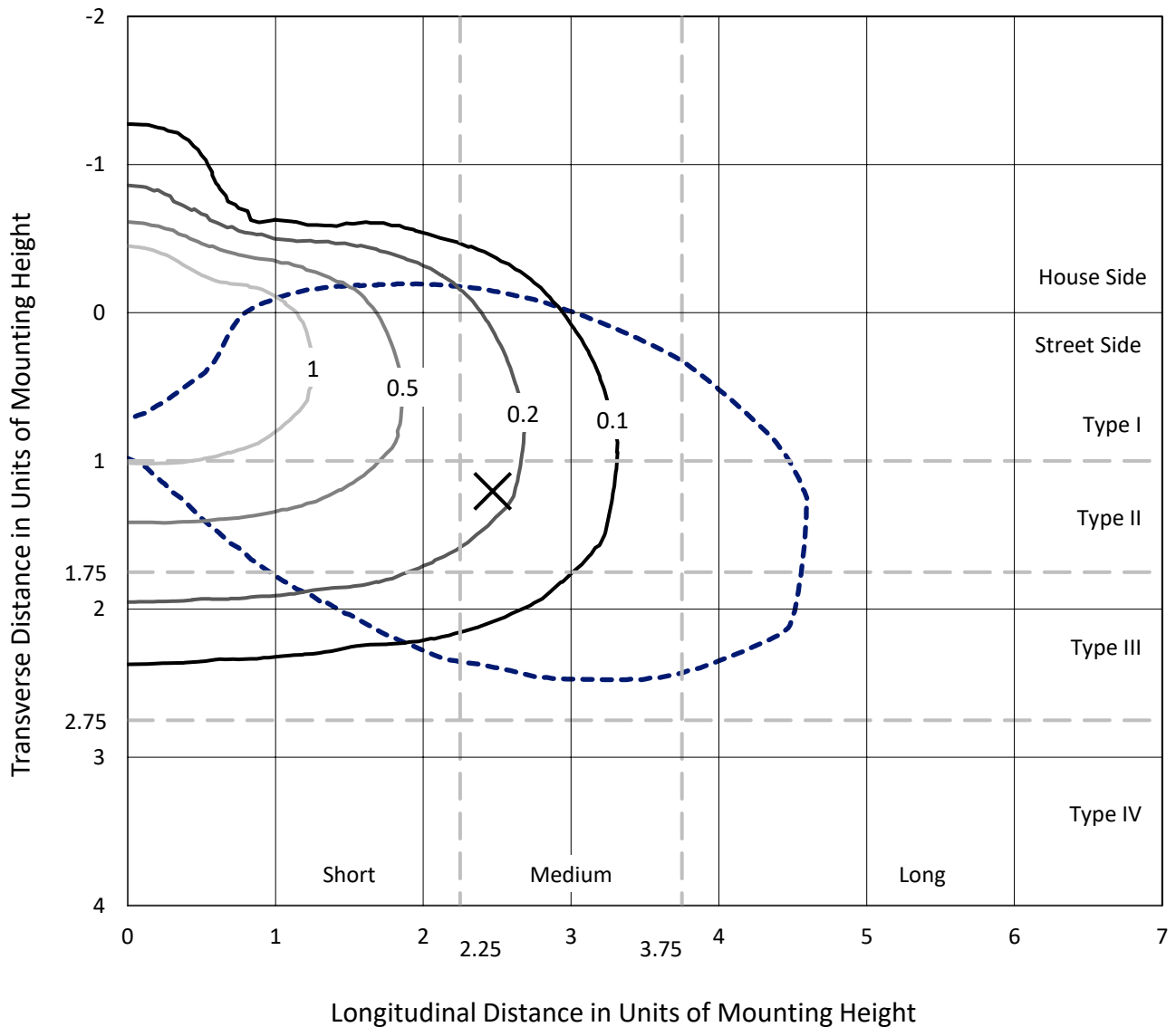
Input Watts (W): 50.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

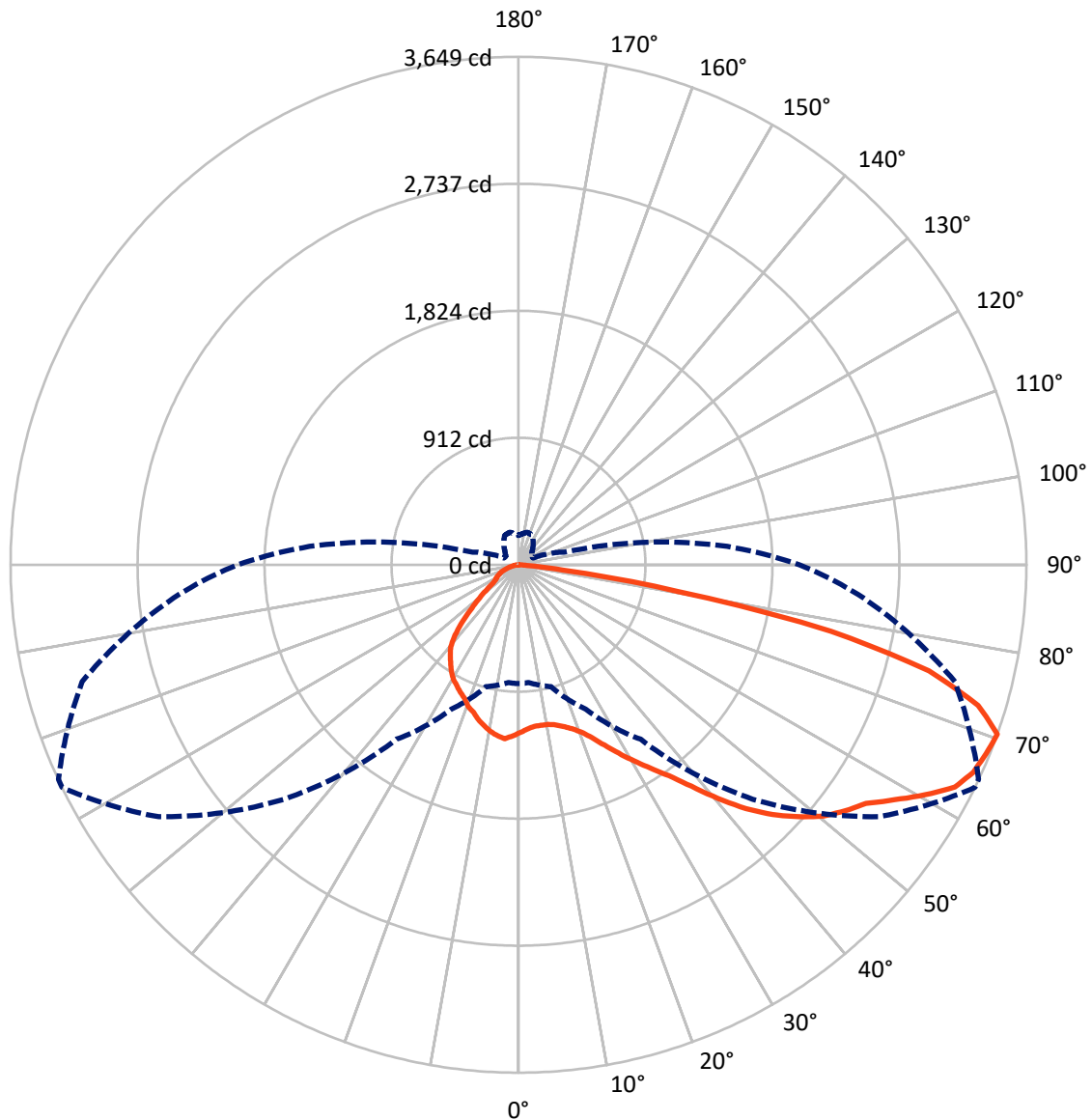
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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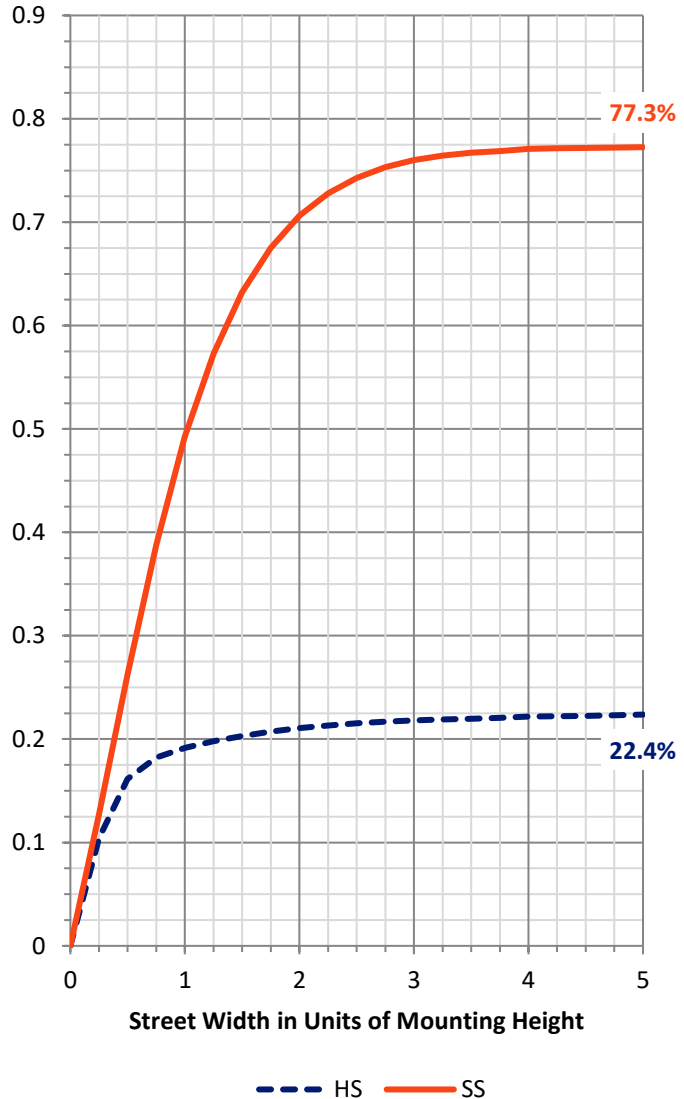
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1482.0	0.0	1482.0
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	5042.0	0.0	5042.0
	% Fixture	77.3	0.0	77.3
Total	Lumens	6524.0	0.0	6524.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.1	1.8
10°-20°	340.2	5.2
20°-30°	564.7	8.7
30°-40°	807.8	12.4
40°-50°	1078.7	16.5
50°-60°	1303.7	20.0
60°-70°	1387.4	21.3
70°-80°	852.3	13.1
80°-90°	73.0	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°	6524.0	100.0
0°-180°	6524.0	100.0

Coefficient of Utilization

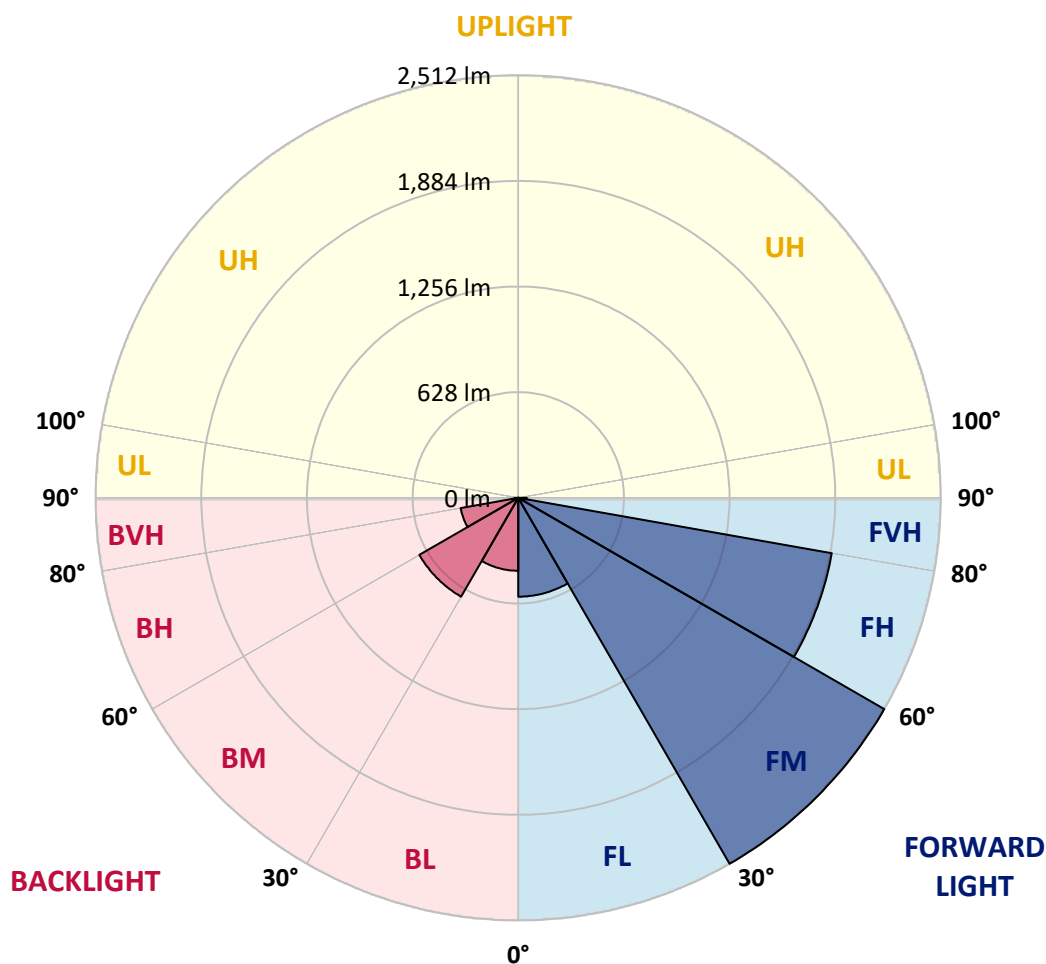


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	587.5	9.0			
FM (30°-60°)	2511.6	38.5			
FH (60°-80°)	1892.2	29.0			G2/5000
FVH (80°-90°)	50.7	0.8			G1/100
BL (0°-30°)	433.6	6.6	B1/500		
BM (30°-60°)	678.6	10.4	B1/1000		
BH (60°-80°)	347.6	5.3	B1/500		G1/500
BVH (80°-90°)	22.3	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1206.6	1206.6	1206.6	1206.6	1206.6	1206.6	1206.6	1206.6	1206.6	1206.6	1206.6
2.5°	1177.8	1177.8	1177.8	1177.8	1180.0	1182.2	1180.0	1182.2	1182.2	1186.7	1193.3
5°	1197.8	1197.8	1193.3	1184.4	1177.8	1168.9	1164.5	1166.7	1166.7	1177.8	1195.5
7.5°	1204.4	1204.4	1200.0	1200.0	1193.3	1173.4	1166.7	1164.5	1166.7	1171.1	1195.5
10°	1237.7	1235.5	1224.4	1211.1	1202.2	1184.4	1168.9	1166.7	1168.9	1175.6	1202.2
12.5°	1273.2	1273.2	1268.7	1257.6	1233.2	1215.5	1188.9	1180.0	1177.8	1184.4	1200.0
15°	1344.1	1335.3	1317.5	1302.0	1284.3	1255.4	1219.9	1204.4	1200.0	1208.8	1202.2
17.5°	1386.3	1379.6	1381.9	1357.5	1341.9	1302.0	1266.5	1237.7	1235.5	1244.3	1215.5
20°	1432.9	1430.7	1435.1	1432.9	1408.5	1373.0	1317.5	1282.0	1277.6	1279.8	1235.5
22.5°	1503.9	1503.9	1501.6	1501.6	1488.3	1446.2	1384.1	1348.6	1341.9	1326.4	1268.7
25°	1581.5	1581.5	1581.5	1585.9	1585.9	1537.1	1475.0	1435.1	1430.7	1408.5	1324.2
27.5°	1654.7	1659.1	1661.3	1663.6	1670.2	1648.0	1579.3	1532.7	1530.5	1501.6	1397.4
30°	1712.3	1714.6	1734.5	1739.0	1752.3	1745.6	1679.1	1634.7	1639.2	1601.4	1479.5
32.5°	1763.4	1765.6	1794.4	1809.9	1825.5	1827.7	1772.2	1741.2	1741.2	1707.9	1579.3
35°	1812.2	1814.4	1849.9	1887.6	1918.6	1909.8	1878.7	1861.0	1867.6	1856.5	1716.8
37.5°	1854.3	1863.2	1909.8	1965.2	2000.7	2007.4	1994.0	2018.4	2031.8	2049.5	1903.1
40°	1894.2	1898.7	1943.0	2000.7	2060.6	2091.6	2107.2	2207.0	2220.3	2233.6	2009.6
42.5°	1856.5	1865.4	1960.8	2047.3	2122.7	2175.9	2249.1	2395.5	2424.3	2351.2	2153.7
45°	1812.2	1823.3	1918.6	2065.0	2171.5	2269.1	2404.4	2559.7	2581.8	2470.9	2231.4
47.5°	1774.5	1787.8	1885.4	2049.5	2222.5	2395.5	2530.8	2706.0	2719.4	2573.0	2337.8
50°	1732.3	1743.4	1847.7	2029.5	2249.1	2510.9	2663.9	2839.1	2843.6	2657.2	2393.3
52.5°	1676.9	1688.0	1794.4	1998.5	2269.1	2588.5	2774.8	2936.7	2919.0	2765.9	2457.6
55°	1605.9	1621.4	1736.7	1956.3	2280.2	2635.1	2850.2	3027.7	3018.8	2894.6	2541.9
57.5°	1530.5	1546.0	1663.6	1898.7	2269.1	2663.9	2927.9	3185.1	3182.9	2998.8	2604.0
60°	1446.2	1459.5	1559.3	1823.3	2209.2	2710.5	3098.6	3355.9	3373.7	3116.4	2628.4
62.5°	1335.3	1337.5	1437.3	1714.6	2131.6	2743.8	3220.6	3517.9	3506.8	3194.0	2632.8
65°	1188.9	1195.5	1284.3	1563.7	2005.1	2717.1	3251.7	3591.1	3591.1	3251.7	2628.4
67.5°	1046.9	1044.7	1120.1	1375.2	1809.9	2599.6	3225.1	3622.1	3637.6	3289.4	2570.7
70°	854.0	849.5	907.2	1144.5	1530.5	2382.2	3156.3	3648.7	3646.5	3245.0	2448.7
72.5°	632.1	629.9	669.9	867.3	1171.1	2038.4	2952.3	3453.5	3431.4	3032.1	2211.4
75°	350.5	332.7	330.5	536.8	680.9	1428.4	2508.6	3045.4	3054.3	2679.4	1852.1
77.5°	51.0	53.2	55.5	97.6	117.6	534.6	1630.3	2295.7	2291.3	2067.2	1350.8
80°	35.5	37.7	39.9	48.8	55.5	126.4	563.4	1157.8	1224.4	1086.9	623.3
82.5°	26.6	26.6	28.8	33.3	31.1	57.7	175.2	321.6	332.7	301.7	184.1
85°	17.7	17.7	15.5	17.7	11.1	15.5	39.9	59.9	64.3	62.1	51.0
87.5°	8.9	8.9	6.7	6.7	4.4	4.4	4.4	2.2	4.4	2.2	4.4
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°	1206.6	1206.6	1206.6	1206.6	1206.6	1206.6	1206.6	1206.6	1206.6	1206.6	1206.6
2.5°	1200.0	1204.4	1217.7	1228.8	1242.1	1257.6	1266.5	1275.4	1284.3	1279.8	1286.5
5°	1204.4	1213.3	1233.2	1253.2	1264.3	1266.5	1268.7	1275.4	1288.7	1288.7	1299.8
7.5°	1208.8	1224.4	1224.4	1235.5	1251.0	1255.4	1257.6	1262.1	1268.7	1271.0	1268.7
10°	1208.8	1202.2	1213.3	1215.5	1208.8	1219.9	1226.6	1224.4	1231.0	1233.2	1233.2
12.5°	1195.5	1193.3	1184.4	1184.4	1182.2	1164.5	1164.5	1182.2	1182.2	1193.3	1195.5
15°	1195.5	1177.8	1166.7	1151.2	1135.7	1129.0	1120.1	1106.8	1111.3	1126.8	1131.2
17.5°	1193.3	1173.4	1140.1	1109.0	1097.9	1071.3	1062.5	1062.5	1060.2	1069.1	1071.3
20°	1202.2	1173.4	1122.3	1086.9	1027.0	1018.1	1000.3	1002.6	1004.8	991.5	984.8
22.5°	1226.6	1191.1	1109.0	1040.3	993.7	953.8	920.5	898.3	896.1	889.4	896.1
25°	1264.3	1222.2	1111.3	1013.7	938.2	880.6	858.4	805.2	780.8	783.0	796.3
27.5°	1333.1	1259.9	1122.3	984.8	893.9	811.8	740.8	707.6	680.9	680.9	685.4
30°	1397.4	1317.5	1117.9	960.4	825.1	723.1	632.1	578.9	570.0	561.2	559.0
32.5°	1517.2	1390.7	1162.3	924.9	760.8	610.0	519.0	445.8	452.5	454.7	459.1
35°	1636.9	1508.3	1171.1	880.6	667.6	496.8	401.5	361.5	379.3	383.7	388.2
37.5°	1796.6	1654.7	1231.0	840.6	572.3	381.5	319.4	301.7	319.4	319.4	321.6
40°	1883.1	1723.4	1279.8	800.7	448.0	281.7	250.6	237.3	259.5	277.3	281.7
42.5°	2005.1	1812.2	1324.2	720.9	317.2	210.7	193.0	219.6	255.1	272.8	275.0
45°	2067.2	1856.5	1308.7	614.4	208.5	170.8	188.5	221.8	257.3	275.0	277.3
47.5°	2151.5	1918.6	1277.6	490.2	166.4	168.6	190.8	228.5	264.0	279.5	281.7
50°	2233.6	1983.0	1197.8	390.4	159.7	168.6	195.2	230.7	261.7	272.8	270.6
52.5°	2280.2	2042.8	1095.7	297.2	159.7	170.8	199.6	235.1	259.5	261.7	261.7
55°	2322.3	2049.5	1011.4	230.7	157.5	173.0	204.1	239.6	261.7	261.7	257.3
57.5°	2348.9	2022.9	947.1	199.6	157.5	173.0	204.1	239.6	272.8	279.5	272.8
60°	2337.8	1971.9	902.8	186.3	153.0	170.8	201.8	246.2	334.9	350.5	337.1
62.5°	2311.2	1943.0	807.4	170.8	146.4	164.1	197.4	266.2	359.3	361.5	350.5
65°	2286.8	1847.7	692.0	153.0	137.5	157.5	190.8	270.6	303.9	292.8	290.6
67.5°	2175.9	1723.4	527.9	135.3	124.2	148.6	184.1	248.4	270.6	257.3	252.9
70°	2018.4	1506.1	352.7	115.3	110.9	137.5	184.1	232.9	241.8	219.6	210.7
72.5°	1730.1	1246.6	193.0	93.2	93.2	126.4	166.4	217.4	224.0	197.4	181.9
75°	1408.5	902.8	124.2	71.0	71.0	106.5	150.8	206.3	219.6	190.8	170.8
77.5°	969.3	494.6	86.5	51.0	46.6	82.1	119.8	168.6	195.2	164.1	139.7
80°	328.3	130.9	55.5	33.3	28.8	46.6	79.9	130.9	177.4	168.6	150.8
82.5°	128.6	82.1	37.7	22.2	20.0	22.2	39.9	82.1	142.0	153.0	177.4
85°	37.7	22.2	13.3	11.1	11.1	11.1	11.1	33.3	84.3	110.9	139.7
87.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	20.0	35.5	46.6
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)