

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: P691426

Luminaire Tested: **CRTK2-C016-5TLD-U-T3-7040-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691426
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-C016-5TLD-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: 6049 lumens
Efficiency: N/A
Efficacy: 141.3 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 42.8
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



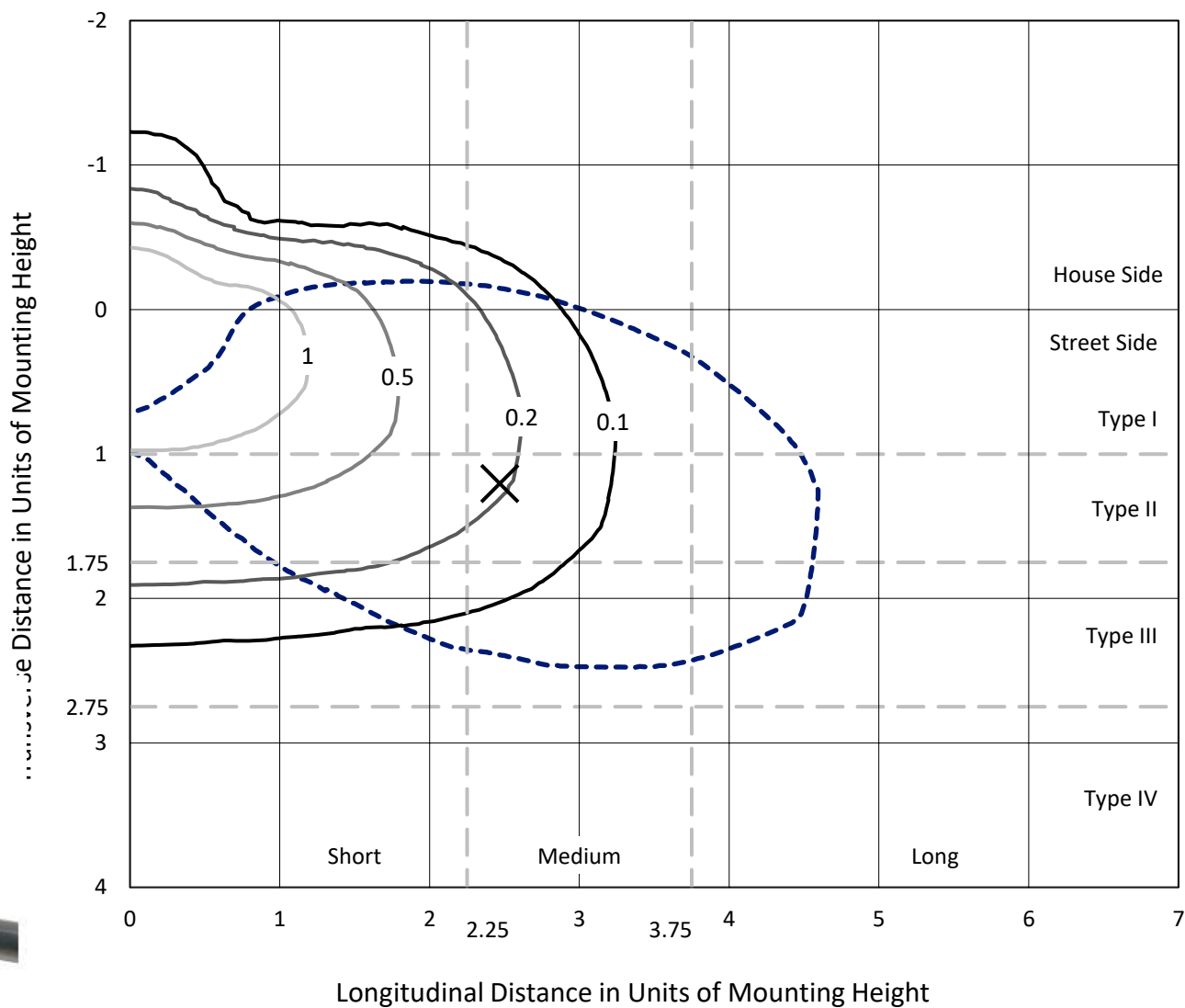
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

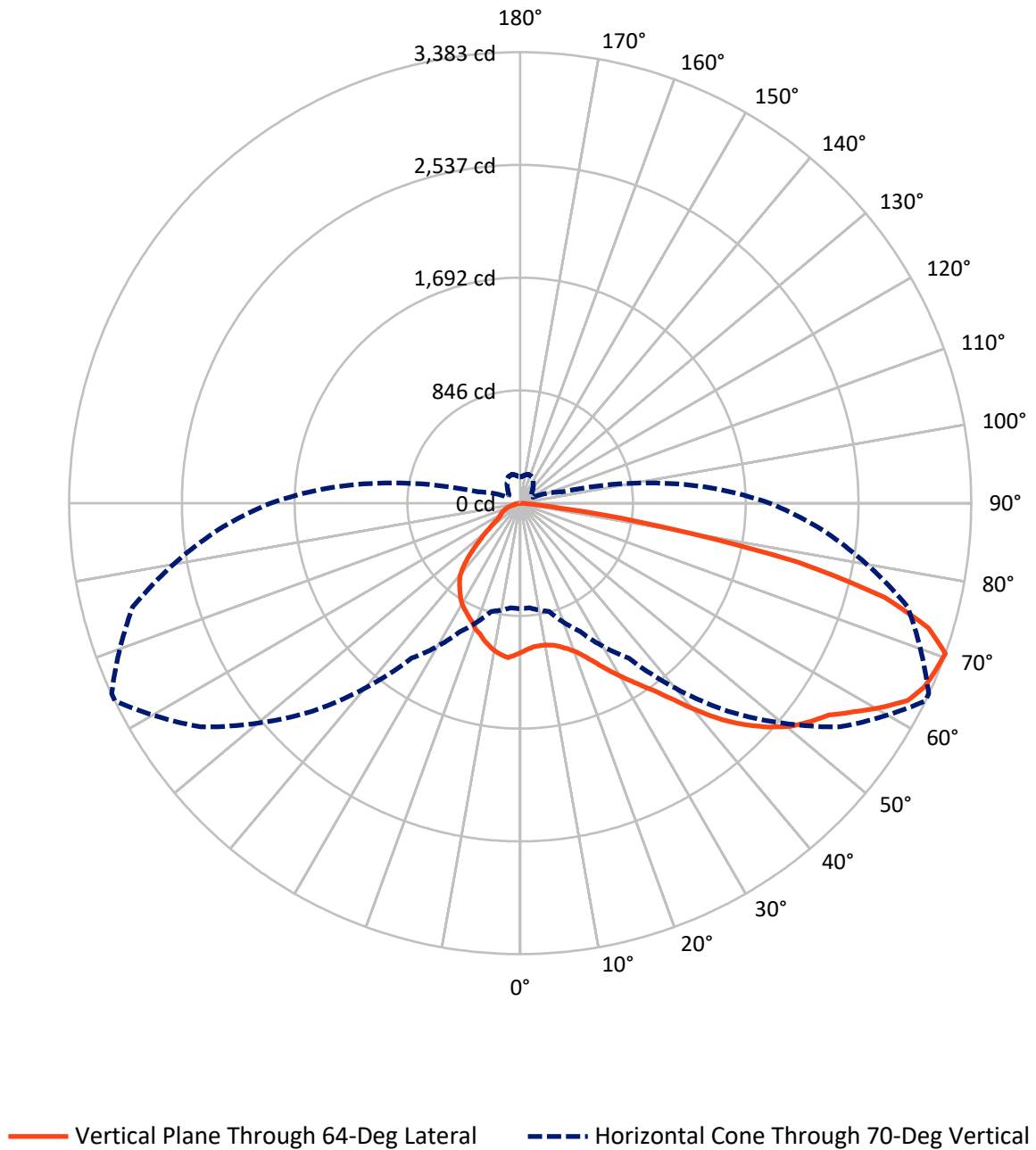


Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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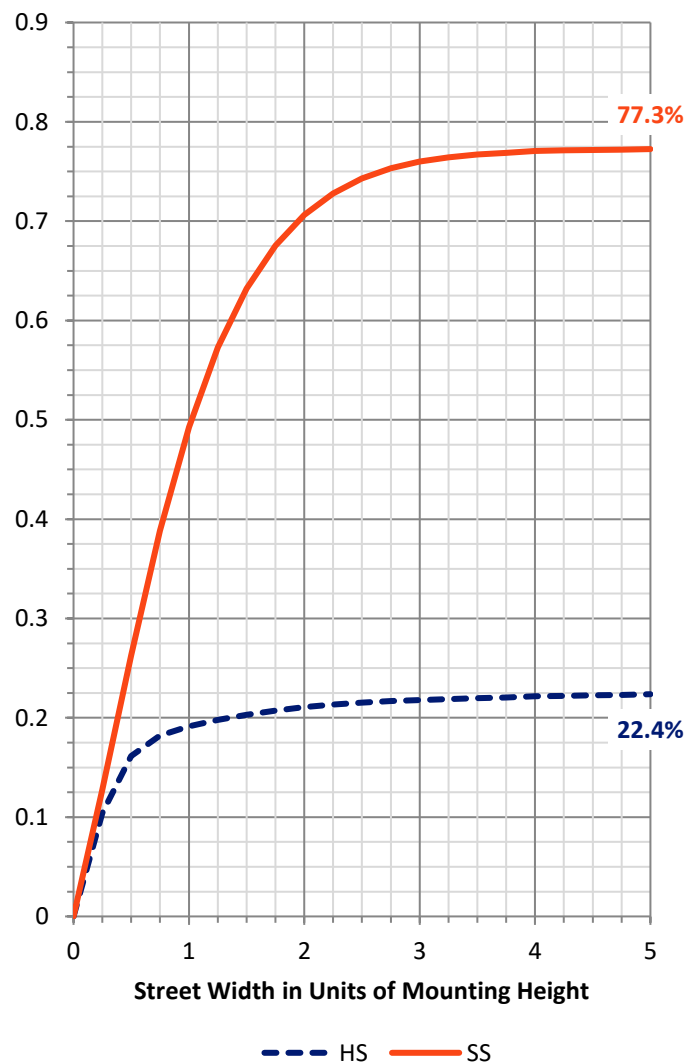
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1374.1	0.0	1374.1
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	4674.9	0.0	4674.9
	% Fixture	77.3	0.0	77.3
Total	Lumens	6049.0	0.0	6049.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.6	1.8
10°-20°	315.5	5.2
20°-30°	523.6	8.7
30°-40°	749.0	12.4
40°-50°	1000.2	16.5
50°-60°	1208.7	20.0
60°-70°	1286.4	21.3
70°-80°	790.3	13.1
80°-90°	67.7	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°	6049.0	100.0
0°-180°	6049.0	100.0

Coefficient of Utilization



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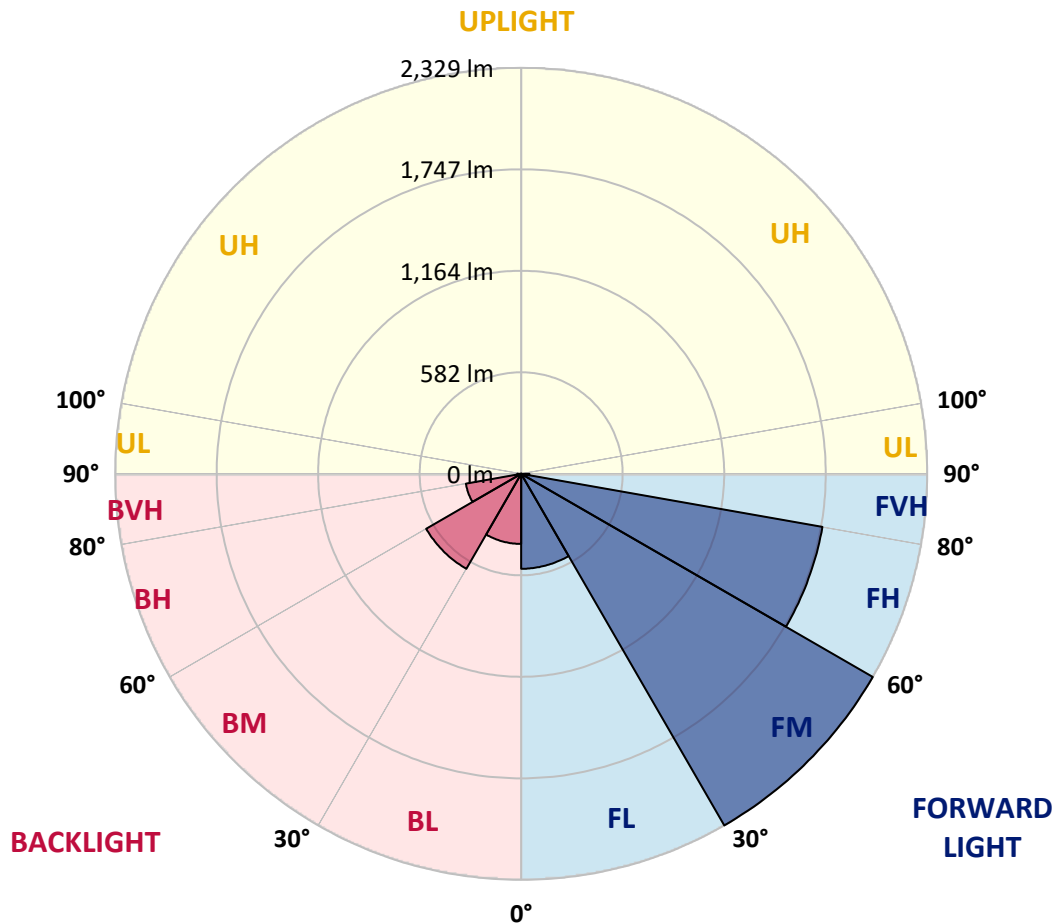
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	544.7	9.0			
FM	(30°-60°)	2328.8	38.5			
FH	(60°-80°)	1754.4	29.0			G1/1800
FVH	(80°-90°)	47.0	0.8			G1/100
BL	(0°-30°)	402.0	6.6	B1/500		
BM	(30°-60°)	629.2	10.4	B1/1000		
BH	(60°-80°)	322.3	5.3	B1/500		G1/500
BVH	(80°-90°)	20.7	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-G1

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1118.8	1118.8	1118.8	1118.8	1118.8	1118.8	1118.8	1118.8	1118.8	1118.8	1118.8
2.5°	1092.0	1092.0	1092.0	1092.0	1094.1	1096.2	1094.1	1096.2	1096.2	1100.3	1106.4
5°	1110.6	1110.6	1106.4	1098.2	1092.0	1083.8	1079.7	1081.8	1081.8	1092.0	1108.5
7.5°	1116.7	1116.7	1112.6	1112.6	1106.4	1087.9	1081.8	1079.7	1081.8	1085.9	1108.5
10°	1147.6	1145.5	1135.2	1122.9	1114.7	1098.2	1083.8	1081.8	1083.8	1090.0	1114.7
12.5°	1180.5	1180.5	1176.4	1166.1	1143.5	1127.0	1102.3	1094.1	1092.0	1098.2	1112.6
15°	1246.3	1238.1	1221.6	1207.2	1190.8	1164.0	1131.1	1116.7	1112.6	1120.8	1114.7
17.5°	1285.4	1279.2	1281.2	1258.6	1244.2	1207.2	1174.3	1147.6	1145.5	1153.7	1127.0
20°	1328.5	1326.5	1330.6	1328.5	1305.9	1273.0	1221.6	1188.7	1184.6	1186.6	1145.5
22.5°	1394.4	1394.4	1392.3	1392.3	1380.0	1340.9	1283.3	1250.4	1244.2	1229.8	1176.4
25°	1466.3	1466.3	1466.3	1470.5	1470.5	1425.2	1367.6	1330.6	1326.5	1305.9	1227.8
27.5°	1534.2	1538.3	1540.4	1542.4	1548.6	1528.0	1464.3	1421.1	1419.0	1392.3	1295.6
30°	1587.7	1589.7	1608.2	1612.4	1624.7	1618.5	1556.8	1515.7	1519.8	1484.8	1371.7
32.5°	1635.0	1637.0	1663.8	1678.2	1692.6	1694.6	1643.2	1614.4	1614.4	1583.6	1464.3
35°	1680.2	1682.3	1715.2	1750.1	1778.9	1770.7	1741.9	1725.5	1731.6	1721.4	1591.8
37.5°	1719.3	1727.5	1770.7	1822.1	1855.0	1861.2	1848.9	1871.5	1883.8	1900.3	1764.5
40°	1756.3	1760.4	1801.6	1855.0	1910.6	1939.4	1953.7	2046.3	2058.6	2071.0	1863.3
42.5°	1721.4	1729.6	1818.0	1898.2	1968.1	2017.5	2085.4	2221.1	2247.8	2180.0	1996.9
45°	1680.2	1690.5	1778.9	1914.7	2013.4	2103.9	2229.3	2373.3	2393.9	2291.0	2068.9
47.5°	1645.3	1657.6	1748.1	1900.3	2060.7	2221.1	2346.6	2509.0	2521.4	2385.6	2167.6
50°	1606.2	1616.5	1713.1	1881.8	2085.4	2328.0	2469.9	2632.4	2636.5	2463.8	2219.0
52.5°	1554.8	1565.1	1663.8	1853.0	2103.9	2400.0	2572.8	2722.9	2706.5	2564.6	2278.7
55°	1489.0	1503.4	1610.3	1813.9	2114.2	2443.2	2642.7	2807.2	2799.0	2683.8	2356.8
57.5°	1419.0	1433.4	1542.4	1760.4	2103.9	2469.9	2714.7	2953.2	2951.2	2780.5	2414.4
60°	1340.9	1353.2	1445.8	1690.5	2048.3	2513.1	2873.0	3111.6	3128.1	2889.5	2437.0
62.5°	1238.1	1240.1	1332.7	1589.7	1976.4	2544.0	2986.1	3261.7	3251.4	2961.5	2441.2
65°	1102.3	1108.5	1190.8	1449.9	1859.1	2519.3	3014.9	3329.6	3329.6	3014.9	2437.0
67.5°	970.7	968.6	1038.6	1275.1	1678.2	2410.3	2990.3	3358.4	3372.8	3049.9	2383.6
70°	791.8	787.7	841.1	1061.2	1419.0	2208.8	2926.5	3383.1	3381.0	3008.8	2270.5
72.5°	586.1	584.1	621.1	804.1	1085.9	1890.0	2737.3	3202.1	3181.5	2811.3	2050.4
75°	324.9	308.5	306.4	497.7	631.4	1324.4	2326.0	2823.7	2831.9	2484.3	1717.2
77.5°	47.3	49.4	51.4	90.5	109.0	495.6	1511.6	2128.6	2124.4	1916.7	1252.5
80°	32.9	35.0	37.0	45.2	51.4	117.2	522.4	1073.5	1135.2	1007.7	577.9
82.5°	24.7	24.7	26.7	30.8	28.8	53.5	162.5	298.2	308.5	279.7	170.7
85°	16.5	16.5	14.4	16.5	10.3	14.4	37.0	55.5	59.6	57.6	47.3
87.5°	8.2	8.2	6.2	6.2	4.1	4.1	4.1	2.1	4.1	2.1	4.1
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°	1118.8	1118.8	1118.8	1118.8	1118.8	1118.8	1118.8	1118.8	1118.8	1118.8	1118.8
2.5°	1112.6	1116.7	1129.1	1139.3	1151.7	1166.1	1174.3	1182.5	1190.8	1186.6	1192.8
5°	1116.7	1124.9	1143.5	1162.0	1172.2	1174.3	1176.4	1182.5	1194.9	1194.9	1205.2
7.5°	1120.8	1135.2	1135.2	1145.5	1159.9	1164.0	1166.1	1170.2	1176.4	1178.4	1176.4
10°	1120.8	1114.7	1124.9	1127.0	1120.8	1131.1	1137.3	1135.2	1141.4	1143.5	1143.5
12.5°	1108.5	1106.4	1098.2	1098.2	1096.2	1079.7	1079.7	1096.2	1096.2	1106.4	1108.5
15°	1108.5	1092.0	1081.8	1067.4	1053.0	1046.8	1038.6	1026.2	1030.3	1044.7	1048.9
17.5°	1106.4	1087.9	1057.1	1028.3	1018.0	993.3	985.1	985.1	983.0	991.3	993.3
20°	1114.7	1087.9	1040.6	1007.7	952.2	944.0	927.5	929.6	931.6	919.3	913.1
22.5°	1137.3	1104.4	1028.3	964.5	921.3	884.3	853.5	832.9	830.9	824.7	830.9
25°	1172.2	1133.2	1030.3	939.9	869.9	816.5	795.9	746.5	723.9	726.0	738.3
27.5°	1236.0	1168.1	1040.6	913.1	828.8	752.7	686.9	656.0	631.4	631.4	635.5
30°	1295.6	1221.6	1036.5	890.5	765.0	670.4	586.1	536.8	528.5	520.3	518.3
32.5°	1406.7	1289.5	1077.6	857.6	705.4	565.6	481.2	413.4	419.5	421.6	425.7
35°	1517.8	1398.5	1085.9	816.5	619.0	460.7	372.2	335.2	351.7	355.8	359.9
37.5°	1665.8	1534.2	1141.4	779.4	530.6	353.7	296.1	279.7	296.1	296.1	298.2
40°	1746.0	1598.0	1186.6	742.4	415.4	261.2	232.4	220.1	240.6	257.1	261.2
42.5°	1859.1	1680.2	1227.8	668.4	294.1	195.4	178.9	203.6	236.5	253.0	255.0
45°	1916.7	1721.4	1213.4	569.7	193.3	158.4	174.8	205.7	238.6	255.0	257.1
47.5°	1994.9	1778.9	1184.6	454.5	154.2	156.3	176.9	211.8	244.7	259.1	261.2
50°	2071.0	1838.6	1110.6	362.0	148.1	156.3	181.0	213.9	242.7	253.0	250.9
52.5°	2114.2	1894.1	1015.9	275.6	148.1	158.4	185.1	218.0	240.6	242.7	242.7
55°	2153.2	1900.3	937.8	213.9	146.0	160.4	189.2	222.1	242.7	242.7	238.6
57.5°	2177.9	1875.6	878.2	185.1	146.0	160.4	189.2	222.1	253.0	259.1	253.0
60°	2167.6	1828.3	837.0	172.8	141.9	158.4	187.1	228.3	310.5	324.9	312.6
62.5°	2143.0	1801.6	748.6	158.4	135.7	152.2	183.0	246.8	333.2	335.2	324.9
65°	2120.3	1713.1	641.7	141.9	127.5	146.0	176.9	250.9	281.8	271.5	269.4
67.5°	2017.5	1598.0	489.5	125.5	115.2	137.8	170.7	230.3	250.9	238.6	234.4
70°	1871.5	1396.4	327.0	106.9	102.8	127.5	170.7	215.9	224.2	203.6	195.4
72.5°	1604.1	1155.8	178.9	86.4	86.4	117.2	154.2	201.5	207.7	183.0	168.6
75°	1305.9	837.0	115.2	65.8	65.8	98.7	139.8	191.3	203.6	176.9	158.4
77.5°	898.7	458.6	80.2	47.3	43.2	76.1	111.1	156.3	181.0	152.2	129.6
80°	304.4	121.3	51.4	30.8	26.7	43.2	74.0	121.3	164.5	156.3	139.8
82.5°	119.3	76.1	35.0	20.6	18.5	20.6	37.0	76.1	131.6	141.9	164.5
85°	35.0	20.6	12.3	10.3	10.3	10.3	10.3	30.8	78.1	102.8	129.6
87.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	18.5	32.9	43.2
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)