

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: P691702

Luminaire Tested: **CRTK2-C018-D-U-T3-7040-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691702
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-T3-7040-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: 6717 lumens
Efficiency: N/A
Efficacy: 133.3 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

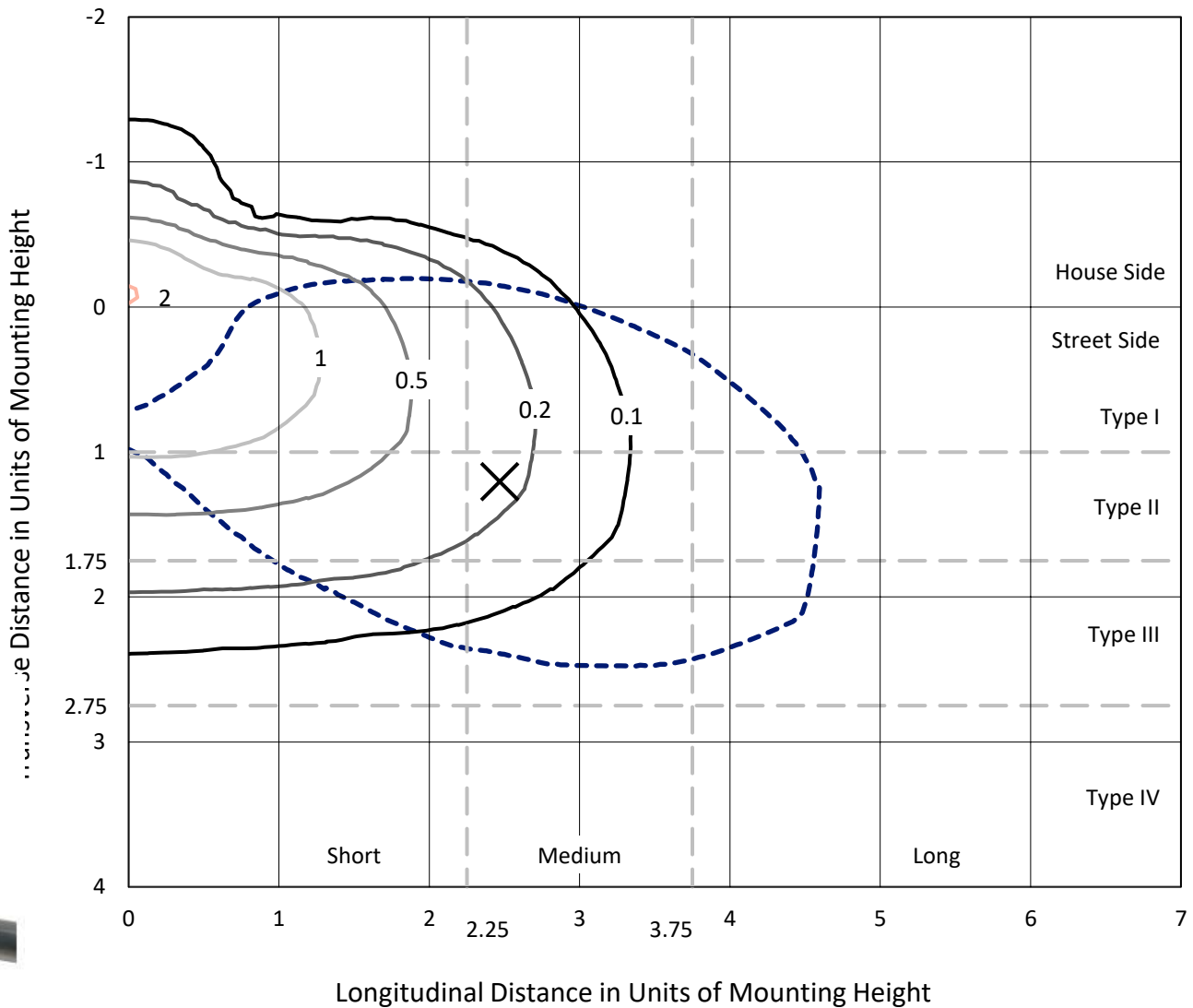
Input Watts (W): 50.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

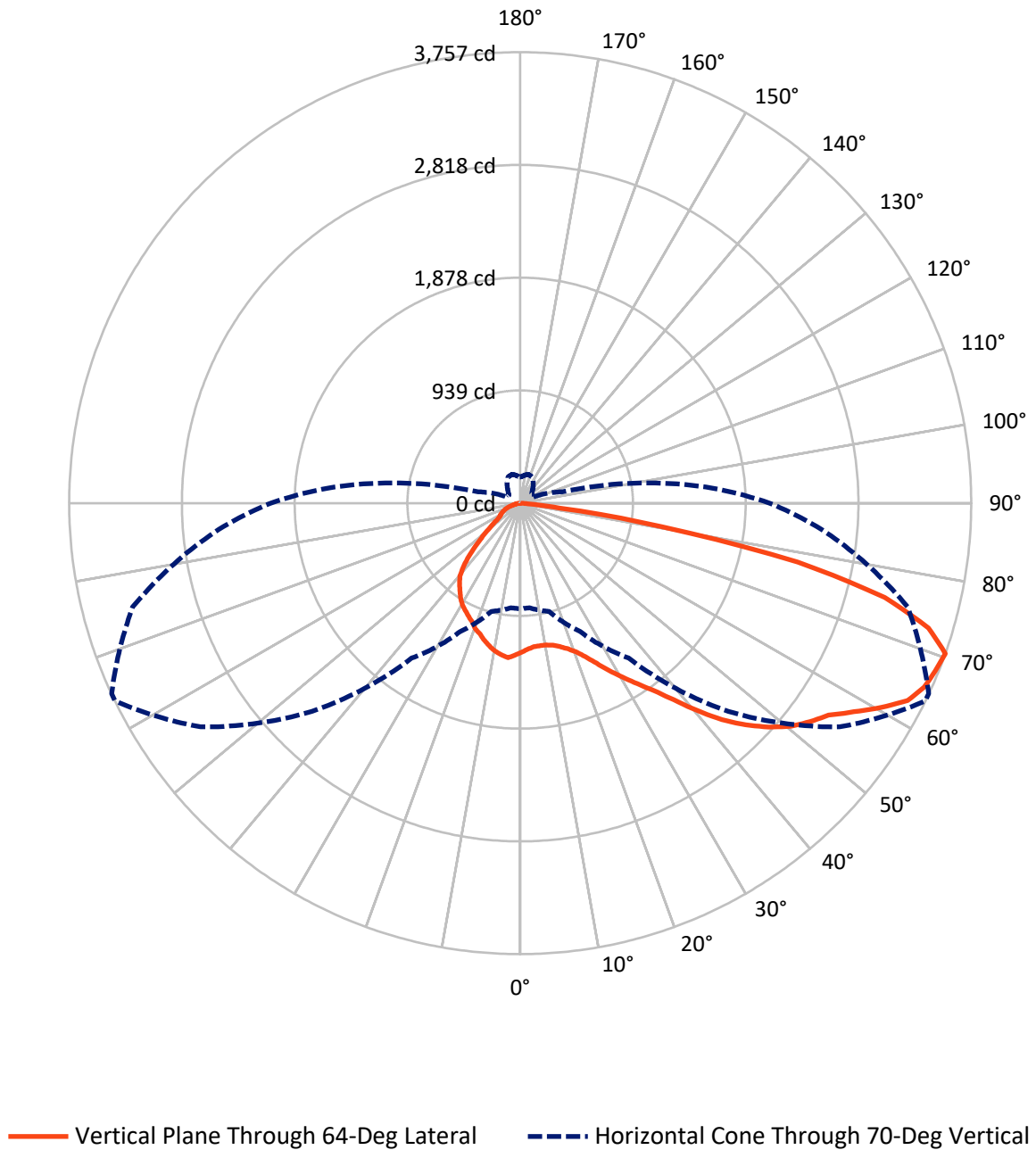
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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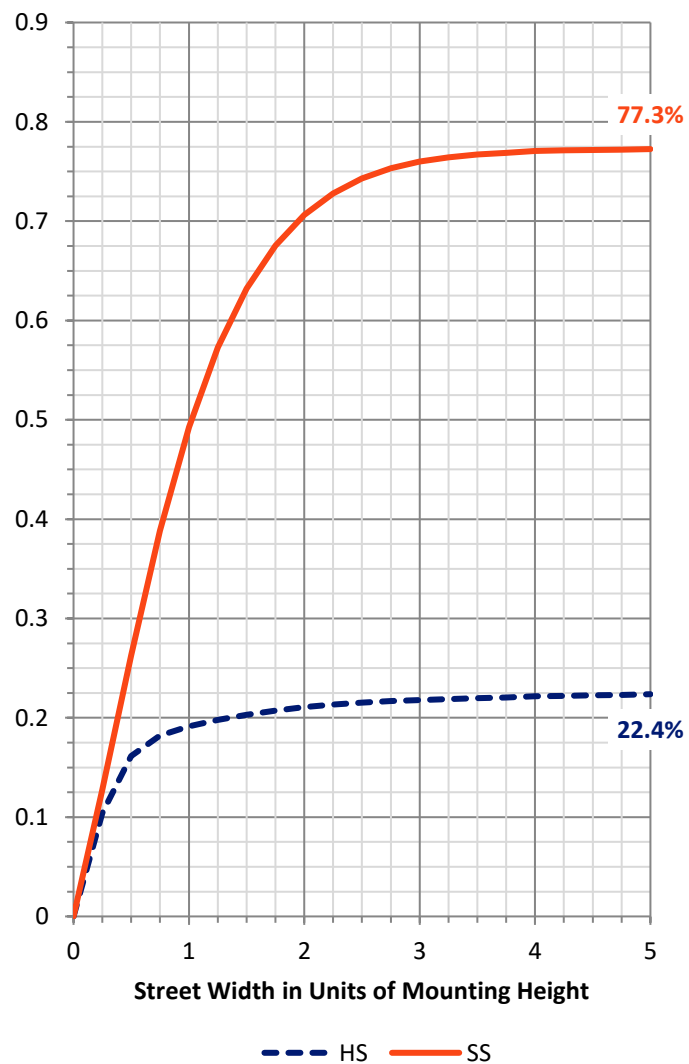
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1525.9	0.0	1525.9
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	5191.1	0.0	5191.1
	% Fixture	77.3	0.0	77.3
Total	Lumens	6717.0	0.0	6717.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.5	1.8
10°-20°	350.3	5.2
20°-30°	581.4	8.7
30°-40°	831.7	12.4
40°-50°	1110.7	16.5
50°-60°	1342.2	20.0
60°-70°	1428.5	21.3
70°-80°	877.5	13.1
80°-90°	75.2	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°	6717.0	100.0
0°-180°	6717.0	100.0

Coefficient of Utilization



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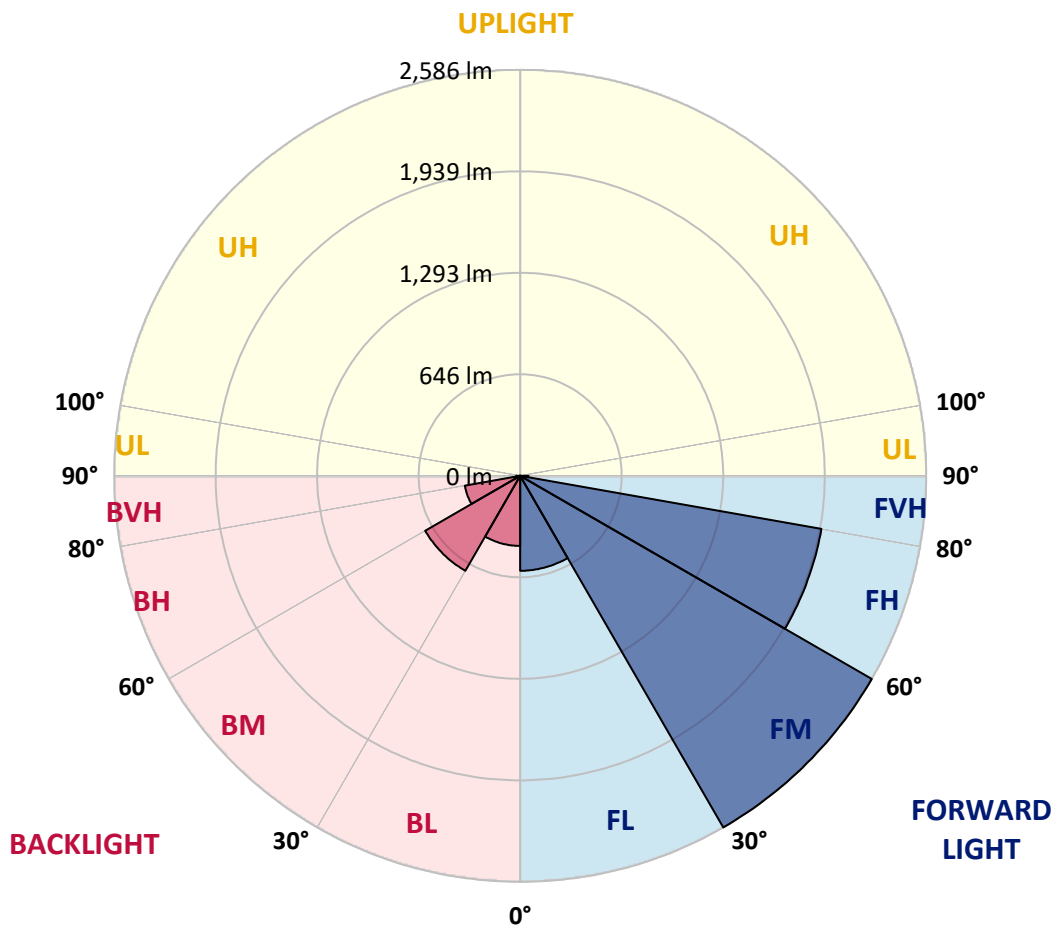
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	604.8	9.0			
FM	(30°-60°)	2585.9	38.5			
FH	(60°-80°)	1948.2	29.0			G2/5000
FVH	(80°-90°)	52.2	0.8			G1/100
BL	(0°-30°)	446.4	6.6	B1/500		
BM	(30°-60°)	698.6	10.4	B1/1000		
BH	(60°-80°)	357.9	5.3	B1/500		G1/500
BVH	(80°-90°)	23.0	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°	1242.3	1242.3	1242.3	1242.3	1242.3	1242.3	1242.3	1242.3	1242.3	1242.3	1242.3
2.5°	1212.6	1212.6	1212.6	1212.6	1214.9	1217.2	1214.9	1217.2	1217.2	1221.8	1228.6
5°	1233.2	1233.2	1228.6	1219.5	1212.6	1203.5	1198.9	1201.2	1201.2	1212.6	1230.9
7.5°	1240.0	1240.0	1235.5	1235.5	1228.6	1208.1	1201.2	1198.9	1201.2	1205.8	1230.9
10°	1274.3	1272.0	1260.6	1246.9	1237.8	1219.5	1203.5	1201.2	1203.5	1210.4	1237.8
12.5°	1310.8	1310.8	1306.3	1294.9	1269.7	1251.5	1224.1	1214.9	1212.6	1219.5	1235.5
15°	1383.9	1374.8	1356.5	1340.5	1322.3	1292.6	1256.0	1240.0	1235.5	1244.6	1237.8
17.5°	1427.3	1420.5	1422.7	1397.6	1381.6	1340.5	1304.0	1274.3	1272.0	1281.1	1251.5
20°	1475.3	1473.0	1477.5	1475.3	1450.1	1413.6	1356.5	1320.0	1315.4	1317.7	1272.0
22.5°	1548.3	1548.3	1546.1	1546.1	1532.4	1489.0	1425.0	1388.5	1381.6	1365.6	1306.3
25°	1628.3	1628.3	1628.3	1632.8	1632.8	1582.6	1518.7	1477.5	1473.0	1450.1	1363.4
27.5°	1703.6	1708.2	1710.5	1712.8	1719.6	1696.8	1626.0	1578.0	1575.7	1546.1	1438.7
30°	1763.0	1765.3	1785.8	1790.4	1804.1	1797.3	1728.8	1683.1	1687.6	1648.8	1523.2
32.5°	1815.5	1817.8	1847.5	1863.5	1879.5	1881.8	1824.7	1792.7	1792.7	1758.4	1626.0
35°	1865.8	1868.1	1904.6	1943.4	1975.4	1966.3	1934.3	1916.0	1922.9	1911.4	1767.6
37.5°	1909.2	1918.3	1966.3	2023.3	2059.9	2066.7	2053.0	2078.2	2091.9	2110.1	1959.4
40°	1950.3	1954.8	2000.5	2059.9	2121.5	2153.5	2169.5	2272.3	2286.0	2299.7	2069.0
42.5°	1911.4	1920.6	2018.8	2107.8	2185.5	2240.3	2315.7	2466.4	2496.1	2420.7	2217.5
45°	1865.8	1877.2	1975.4	2126.1	2235.7	2336.2	2475.5	2635.4	2658.2	2544.0	2297.4
47.5°	1826.9	1840.7	1941.1	2110.1	2288.3	2466.4	2605.7	2786.1	2799.8	2649.1	2407.0
50°	1783.6	1795.0	1902.3	2089.6	2315.7	2585.1	2742.7	2923.1	2927.7	2735.9	2464.1
52.5°	1726.5	1737.9	1847.5	2057.6	2336.2	2665.1	2856.9	3023.6	3005.3	2847.8	2530.3
55°	1653.4	1669.4	1788.1	2014.2	2347.6	2713.0	2934.5	3117.2	3108.1	2980.2	2617.1
57.5°	1575.7	1591.7	1712.8	1954.8	2336.2	2742.7	3014.5	3279.4	3277.1	3087.5	2681.0
60°	1489.0	1502.7	1605.4	1877.2	2274.6	2790.7	3190.3	3455.2	3473.5	3208.6	2706.2
62.5°	1374.8	1377.1	1479.8	1765.3	2194.6	2824.9	3315.9	3621.9	3610.5	3288.5	2710.7
65°	1224.1	1230.9	1322.3	1610.0	2064.5	2797.5	3347.9	3697.3	3697.3	3347.9	2706.2
67.5°	1077.9	1075.6	1153.3	1415.9	1863.5	2676.5	3320.5	3729.3	3745.2	3386.7	2646.8
70°	879.2	874.7	934.0	1178.4	1575.7	2452.7	3249.7	3756.7	3754.4	3341.0	2521.2
72.5°	650.9	648.6	689.7	892.9	1205.8	2098.7	3039.6	3555.7	3532.9	3121.8	2276.8
75°	360.8	342.6	340.3	552.7	701.1	1470.7	2582.8	3135.5	3144.6	2758.7	1906.9
77.5°	52.5	54.8	57.1	100.5	121.0	550.4	1678.5	2363.6	2359.0	2128.4	1390.8
80°	36.5	38.8	41.1	50.2	57.1	130.2	580.1	1192.1	1260.6	1119.0	641.7
82.5°	27.4	27.4	29.7	34.3	32.0	59.4	180.4	331.1	342.6	310.6	189.5
85°	18.3	18.3	16.0	18.3	11.4	16.0	41.1	61.7	66.2	63.9	52.5
87.5°	9.1	9.1	6.9	6.9	4.6	4.6	4.6	2.3	4.6	2.3	4.6
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°	1242.3	1242.3	1242.3	1242.3	1242.3	1242.3	1242.3	1242.3	1242.3	1242.3	1242.3
2.5°	1235.5	1240.0	1253.7	1265.2	1278.9	1294.9	1304.0	1313.1	1322.3	1317.7	1324.5
5°	1240.0	1249.2	1269.7	1290.3	1301.7	1304.0	1306.3	1313.1	1326.8	1326.8	1338.2
7.5°	1244.6	1260.6	1260.6	1272.0	1288.0	1292.6	1294.9	1299.4	1306.3	1308.6	1306.3
10°	1244.6	1237.8	1249.2	1251.5	1244.6	1256.0	1262.9	1260.6	1267.4	1269.7	1269.7
12.5°	1230.9	1228.6	1219.5	1219.5	1217.2	1198.9	1198.9	1217.2	1217.2	1228.6	1230.9
15°	1230.9	1212.6	1201.2	1185.2	1169.2	1162.4	1153.3	1139.6	1144.1	1160.1	1164.7
17.5°	1228.6	1208.1	1173.8	1141.8	1130.4	1103.0	1093.9	1093.9	1091.6	1100.7	1103.0
20°	1237.8	1208.1	1155.5	1119.0	1057.3	1048.2	1029.9	1032.2	1034.5	1020.8	1014.0
22.5°	1262.9	1226.3	1141.8	1071.0	1023.1	982.0	947.7	924.9	922.6	915.8	922.6
25°	1301.7	1258.3	1144.1	1043.6	966.0	906.6	883.8	829.0	803.9	806.1	819.8
27.5°	1372.5	1297.1	1155.5	1014.0	920.3	835.8	762.8	728.5	701.1	701.1	705.7
30°	1438.7	1356.5	1151.0	988.8	849.5	744.5	650.9	596.0	586.9	577.8	575.5
32.5°	1562.0	1431.9	1196.7	952.3	783.3	628.0	534.4	459.0	465.9	468.2	472.7
35°	1685.4	1552.9	1205.8	906.6	687.4	511.5	413.3	372.2	390.5	395.1	399.6
37.5°	1849.8	1703.6	1267.4	865.5	589.2	392.8	328.9	310.6	328.9	328.9	331.1
40°	1938.8	1774.4	1317.7	824.4	461.3	290.0	258.1	244.4	267.2	285.5	290.0
42.5°	2064.5	1865.8	1363.4	742.2	326.6	217.0	198.7	226.1	262.6	280.9	283.2
45°	2128.4	1911.4	1347.4	632.6	214.7	175.8	194.1	228.4	264.9	283.2	285.5
47.5°	2215.2	1975.4	1315.4	504.7	171.3	173.6	196.4	235.2	271.8	287.7	290.0
50°	2299.7	2041.6	1233.2	401.9	164.4	173.6	201.0	237.5	269.5	280.9	278.6
52.5°	2347.6	2103.3	1128.1	306.0	164.4	175.8	205.5	242.1	267.2	269.5	269.5
55°	2391.0	2110.1	1041.4	237.5	162.1	178.1	210.1	246.6	269.5	269.5	264.9
57.5°	2418.4	2082.7	975.1	205.5	162.1	178.1	210.1	246.6	280.9	287.7	280.9
60°	2407.0	2030.2	929.5	191.8	157.6	175.8	207.8	253.5	344.8	360.8	347.1
62.5°	2379.6	2000.5	831.3	175.8	150.7	169.0	203.2	274.0	370.0	372.2	360.8
65°	2354.5	1902.3	712.5	157.6	141.6	162.1	196.4	278.6	312.9	301.4	299.2
67.5°	2240.3	1774.4	543.5	139.3	127.9	153.0	189.5	255.8	278.6	264.9	260.3
70°	2078.2	1550.6	363.1	118.8	114.2	141.6	189.5	239.8	248.9	226.1	217.0
72.5°	1781.3	1283.4	198.7	95.9	95.9	130.2	171.3	223.8	230.7	203.2	187.3
75°	1450.1	929.5	127.9	73.1	73.1	109.6	155.3	212.4	226.1	196.4	175.8
77.5°	998.0	509.3	89.1	52.5	48.0	84.5	123.3	173.6	201.0	169.0	143.9
80°	338.0	134.7	57.1	34.3	29.7	48.0	82.2	134.7	182.7	173.6	155.3
82.5°	132.5	84.5	38.8	22.8	20.6	22.8	41.1	84.5	146.2	157.6	182.7
85°	38.8	22.8	13.7	11.4	11.4	11.4	11.4	34.3	86.8	114.2	143.9
87.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	20.6	36.5	48.0
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)