

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: P691502

Luminaire Tested: **CRTK2-C016-D-U-T2-8027-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691502
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-C016-D-U-T2-8027-U0
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE II OPTIC AND U0 SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4998 lumens
Efficiency: N/A
Efficacy: 120.1 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

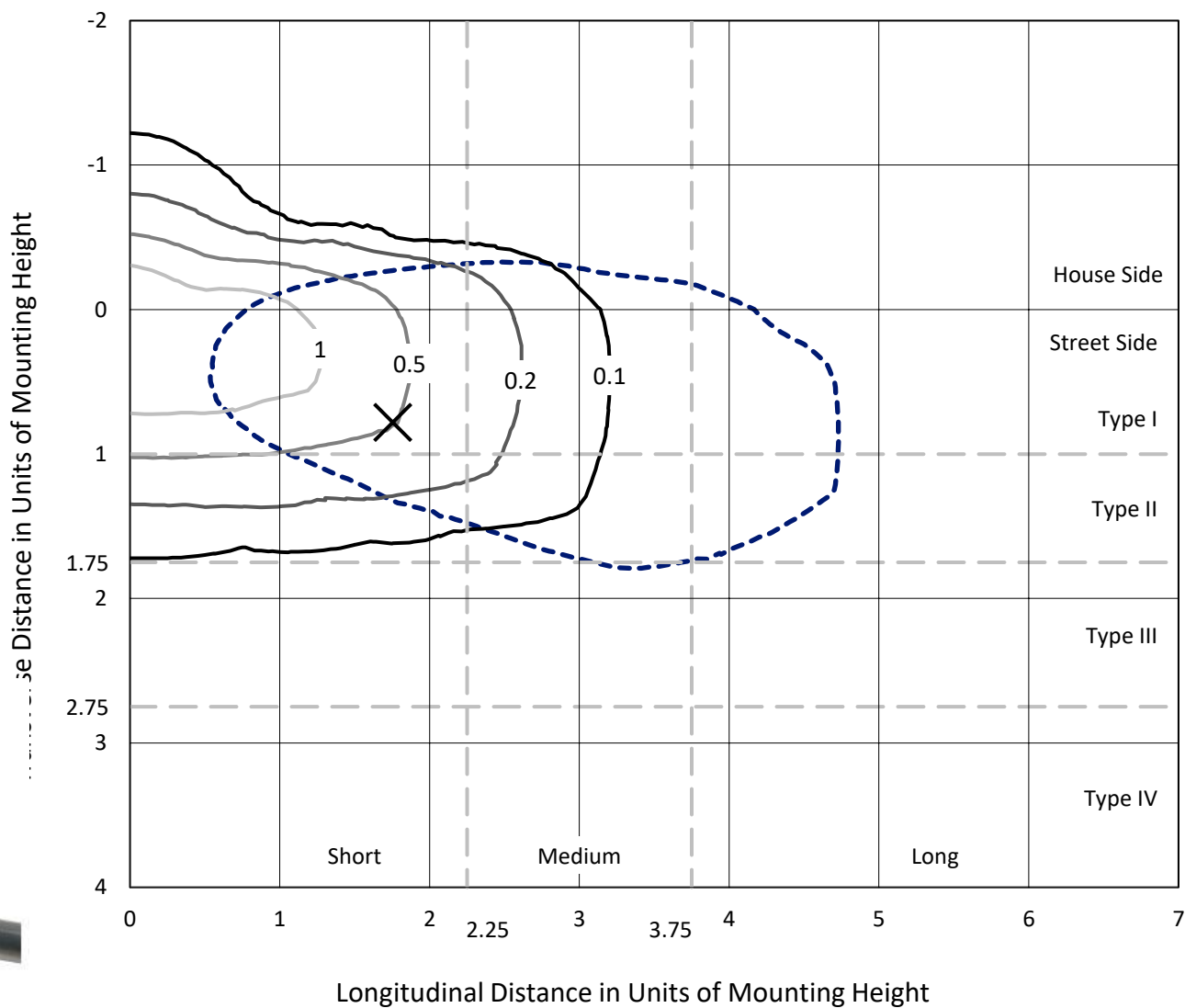
Input Watts (W): 41.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

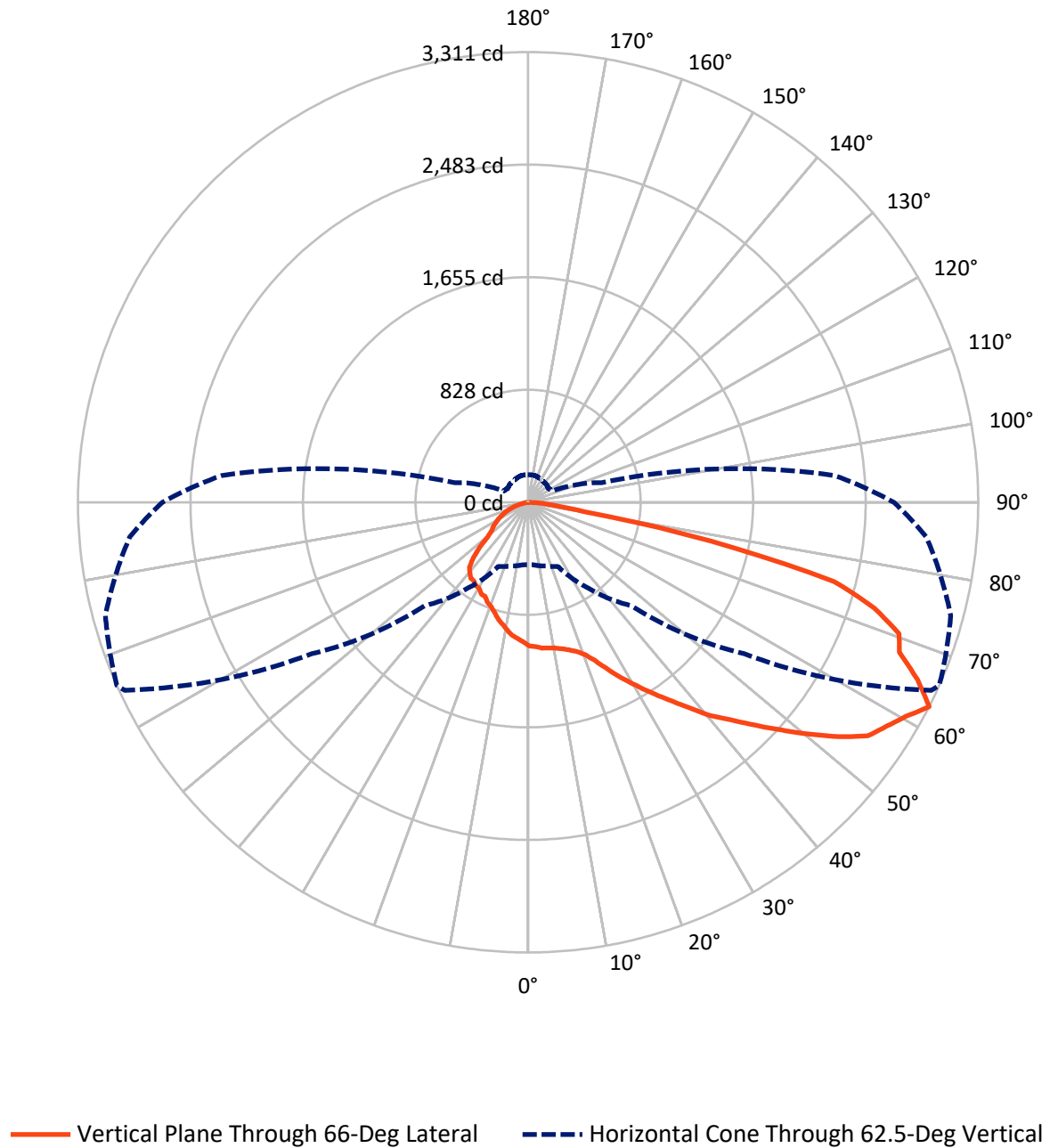
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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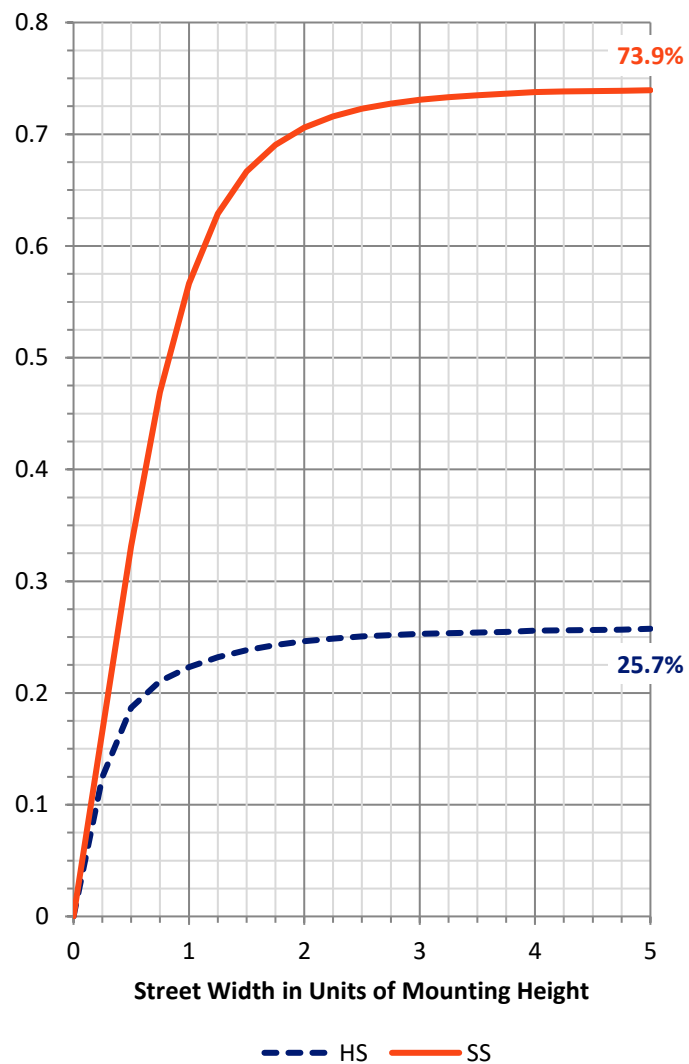
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1306.0	0.0	1306.0
	% Fixture	26.1	0.0	26.1
Street Side	Lumens	3692.0	0.0	3692.0
	% Fixture	73.9	0.0	73.9
Total	Lumens	4998.0	0.0	4998.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.9	2.0
10°-20°	280.7	5.6
20°-30°	455.7	9.1
30°-40°	657.3	13.2
40°-50°	855.0	17.1
50°-60°	993.1	19.9
60°-70°	982.5	19.7
70°-80°	608.6	12.2
80°-90°	66.1	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°	4998.0	100.0
0°-180°	4998.0	100.0

Coefficient of Utilization



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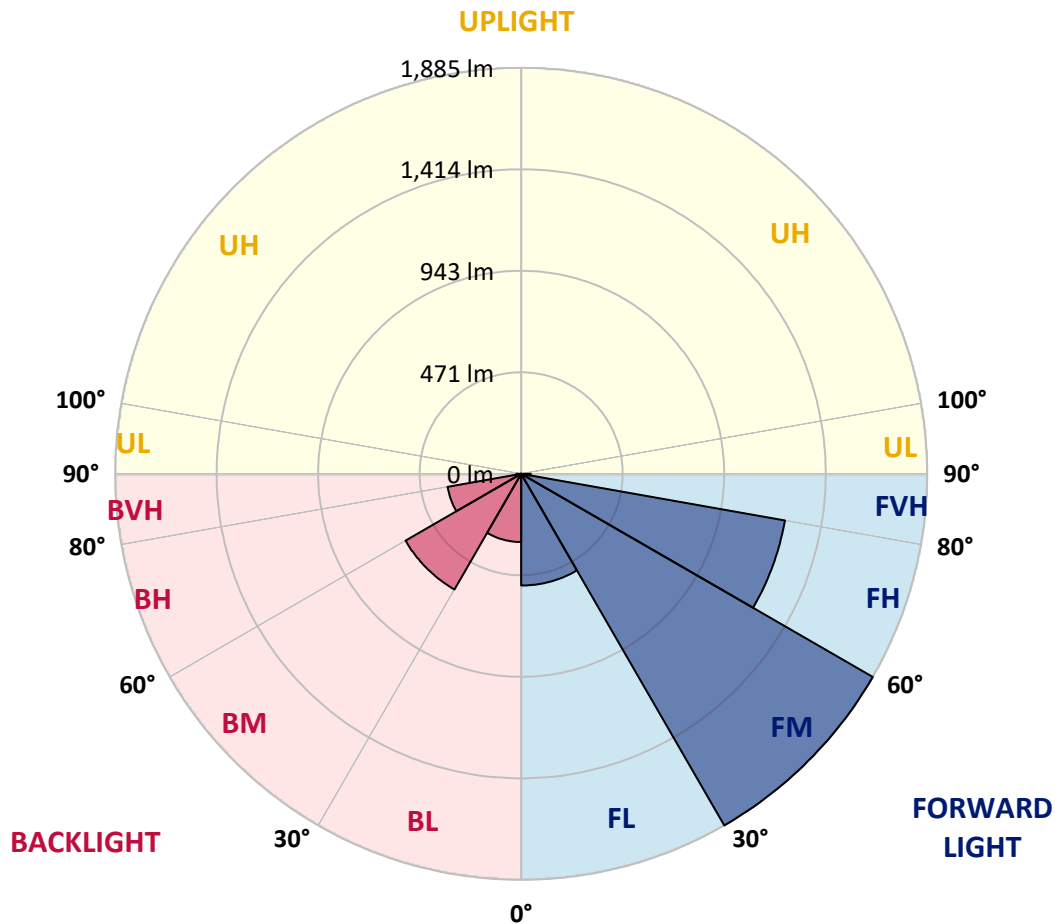
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	518.5	10.4			
FM	(30°-60°)	1885.3	37.7			
FH	(60°-80°)	1243.9	24.9			G1/1800
FVH	(80°-90°)	44.3	0.9			G1/100
BL	(0°-30°)	316.8	6.3	B1/500		
BM	(30°-60°)	620.1	12.4	B1/1000		
BH	(60°-80°)	347.3	6.9	B1/500		G1/500
BVH	(80°-90°)	21.8	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1057.2	1057.2	1057.2	1057.2	1057.2	1057.2	1057.2	1057.2	1057.2	1057.2	1057.2
2.5°	1095.0	1095.0	1098.5	1086.4	1079.5	1074.4	1069.2	1064.1	1062.4	1057.2	1050.3
5°	1143.1	1143.1	1144.9	1132.8	1119.1	1103.6	1088.1	1077.8	1077.8	1065.8	1048.6
7.5°	1168.9	1168.9	1168.9	1155.2	1146.6	1136.3	1112.2	1083.0	1081.3	1069.2	1045.2
10°	1168.9	1168.9	1175.8	1155.2	1148.3	1138.0	1124.2	1093.3	1089.9	1062.4	1029.7
12.5°	1189.6	1193.0	1189.6	1167.2	1160.3	1151.7	1132.8	1107.1	1105.3	1069.2	1022.8
15°	1218.8	1220.5	1215.3	1199.9	1193.0	1179.2	1156.9	1129.4	1126.0	1083.0	1028.0
17.5°	1225.7	1227.4	1230.8	1211.9	1211.9	1206.8	1194.7	1162.1	1153.5	1115.6	1043.4
20°	1222.2	1223.9	1229.1	1225.7	1227.4	1223.9	1232.5	1205.0	1194.7	1153.5	1067.5
22.5°	1237.7	1241.1	1251.4	1253.2	1260.0	1266.9	1270.4	1272.1	1265.2	1217.1	1117.4
25°	1242.9	1253.2	1266.9	1285.8	1309.9	1323.6	1342.6	1361.5	1359.7	1311.6	1199.9
27.5°	1218.8	1230.8	1273.8	1303.0	1356.3	1394.1	1437.1	1462.9	1462.9	1423.4	1294.4
30°	1241.1	1246.3	1268.6	1309.9	1371.8	1457.7	1524.8	1557.4	1560.9	1535.1	1387.3
32.5°	1194.7	1206.8	1261.8	1340.8	1435.4	1529.9	1597.0	1667.5	1670.9	1662.3	1523.1
35°	1189.6	1196.4	1227.4	1311.6	1433.7	1597.0	1686.4	1775.8	1784.3	1794.7	1655.4
37.5°	1136.3	1150.0	1210.2	1315.1	1481.8	1641.7	1762.0	1899.5	1913.3	1945.9	1768.9
40°	1079.5	1089.9	1139.7	1253.2	1466.3	1698.4	1835.9	2045.6	2062.8	2090.3	1925.3
42.5°	1002.2	1022.8	1108.8	1227.4	1459.5	1715.6	1918.4	2179.7	2186.6	2234.7	2049.1
45°	930.0	936.9	1002.2	1138.0	1399.3	1741.4	1980.3	2331.0	2336.2	2367.1	2152.2
47.5°	871.5	880.1	947.2	1062.4	1344.3	1734.5	2042.2	2477.1	2501.2	2535.6	2277.7
50°	691.0	710.0	887.0	997.0	1249.7	1722.5	2092.1	2652.5	2680.0	2712.6	2411.8
52.5°	596.5	605.1	694.5	931.7	1156.9	1670.9	2138.5	2831.2	2863.9	2846.7	2582.0
55°	555.2	560.4	601.7	802.8	1074.4	1572.9	2172.8	2998.0	3032.4	2949.8	2716.1
57.5°	526.0	532.9	557.0	656.7	981.6	1401.0	2176.3	3096.0	3108.0	3035.8	2771.1
60°	486.5	491.6	526.0	574.2	873.3	1220.5	2114.4	3138.9	3195.7	3126.9	2894.8
62.5°	457.3	462.4	484.8	520.9	768.4	1076.1	1942.5	3273.0	3310.8	3218.0	2941.2
65°	422.9	422.9	445.2	481.3	701.4	988.4	1853.1	3230.0	3147.5	3192.2	2998.0
67.5°	373.0	376.5	398.8	428.0	587.9	904.2	1633.1	3030.6	2944.7	3068.5	2848.4
70°	331.8	328.3	352.4	374.7	481.3	797.6	1352.9	2824.4	2894.8	2881.1	2710.9
72.5°	276.8	273.3	294.0	318.0	388.5	661.8	1069.2	2621.5	2662.8	2576.8	2404.9
75°	214.9	194.2	223.5	254.4	306.0	524.3	758.1	2171.1	2325.8	2429.0	2050.8
77.5°	34.4	34.4	43.0	60.2	99.7	266.4	338.6	1193.0	1368.3	2068.0	1798.1
80°	27.5	27.5	30.9	41.3	60.2	146.1	113.5	369.6	412.6	892.2	1034.9
82.5°	15.5	15.5	22.3	27.5	37.8	44.7	49.9	180.5	201.1	316.3	400.5
85°	8.6	8.6	12.0	13.8	15.5	15.5	15.5	82.5	92.8	168.5	182.2
87.5°	5.2	5.2	5.2	5.2	5.2	3.4	1.7	1.7	1.7	1.7	1.7
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°	1057.2	1057.2	1057.2	1057.2	1057.2	1057.2	1057.2	1057.2	1057.2	1057.2	1057.2
2.5°	1046.9	1041.7	1033.1	1026.3	1021.1	1015.9	1007.3	1002.2	1002.2	1010.8	1012.5
5°	1038.3	1026.3	1010.8	1003.9	995.3	986.7	973.0	966.1	964.4	969.5	973.0
7.5°	1031.4	1014.2	998.8	981.6	955.8	933.4	921.4	912.8	916.2	924.8	921.4
10°	1010.8	995.3	971.2	945.5	914.5	895.6	876.7	866.4	868.1	873.3	868.1
12.5°	1002.2	981.6	942.0	911.1	883.6	847.5	823.4	807.9	807.9	816.5	816.5
15°	1002.2	971.2	918.0	880.1	837.2	801.1	773.6	759.8	768.4	763.2	759.8
17.5°	1010.8	962.7	902.5	838.9	787.3	751.2	718.6	699.6	704.8	708.2	704.8
20°	1021.1	962.7	883.6	806.2	746.1	694.5	658.4	637.8	636.0	637.8	641.2
22.5°	1055.5	985.0	871.5	785.6	694.5	644.6	608.5	572.4	570.7	569.0	572.4
25°	1113.9	1026.3	880.1	747.8	665.3	591.3	546.6	515.7	505.4	503.7	507.1
27.5°	1210.2	1098.5	893.9	742.6	612.0	544.9	489.9	455.5	445.2	448.7	446.9
30°	1315.1	1191.3	933.4	706.5	581.0	476.2	424.6	395.4	385.1	378.2	379.9
32.5°	1392.4	1284.1	983.3	694.5	520.9	402.3	364.4	347.2	335.2	326.6	324.9
35°	1514.5	1363.2	1028.0	667.0	467.6	354.1	323.2	304.3	297.4	292.2	292.2
37.5°	1631.4	1459.5	1072.7	658.4	398.8	321.5	283.6	271.6	268.2	264.7	264.7
40°	1748.2	1557.4	1098.5	624.0	343.8	281.9	245.8	244.1	249.3	245.8	247.5
42.5°	1892.6	1658.9	1124.2	591.3	304.3	240.7	220.0	233.8	244.1	245.8	245.8
45°	1992.3	1727.6	1134.6	512.3	263.0	209.7	214.9	230.3	242.4	247.5	245.8
47.5°	2083.5	1820.4	1119.1	416.0	228.6	204.6	213.2	223.5	240.7	247.5	247.5
50°	2172.8	1897.8	1105.3	307.7	216.6	206.3	213.2	218.3	237.2	244.1	244.1
52.5°	2298.3	1959.7	1058.9	257.9	206.3	208.0	218.3	216.6	232.1	242.4	245.8
55°	2472.0	2104.1	969.5	244.1	204.6	206.3	218.3	218.3	228.6	237.2	242.4
57.5°	2549.3	2166.0	818.3	230.3	199.4	204.6	213.2	214.9	226.9	232.1	230.3
60°	2637.0	2243.3	670.4	214.9	190.8	201.1	204.6	211.4	220.0	220.0	218.3
62.5°	2690.3	2262.2	558.7	197.7	180.5	189.1	189.1	196.0	202.8	202.8	202.8
65°	2716.1	2243.3	417.7	182.2	168.5	175.3	173.6	177.1	182.2	173.6	173.6
67.5°	2614.6	2172.8	288.8	161.6	154.7	161.6	159.9	161.6	159.9	153.0	154.7
70°	2441.0	1975.2	199.4	137.5	135.8	147.8	149.6	146.1	135.8	130.6	130.6
72.5°	2222.7	1584.9	137.5	110.0	115.2	130.6	134.1	127.2	116.9	111.7	111.7
75°	2016.4	1370.1	98.0	75.6	77.4	99.7	106.6	106.6	103.1	137.5	146.1
77.5°	1402.7	887.0	56.7	39.5	37.8	56.7	65.3	67.0	128.9	139.2	135.8
80°	832.0	417.7	41.3	24.1	24.1	32.7	44.7	87.7	147.8	99.7	89.4
82.5°	318.0	159.9	25.8	15.5	13.8	17.2	25.8	135.8	86.0	56.7	51.6
85°	115.2	39.5	12.0	8.6	8.6	10.3	15.5	115.2	60.2	43.0	41.3
87.5°	1.7	1.7	3.4	3.4	3.4	1.7	1.7	3.4	3.4	3.4	1.7
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)