

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: P507619

Luminaire Tested: **VERD-S-CA1-60-722-U-T3**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507619
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2103-168-4)
Test Lab: INNOVATION CENTER
Issue Date: 3/30/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-S-CA1-60-722-U-T3
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2200K, 1150mA LED AND TYPE III OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7064 lumens
Efficiency: N/A
Efficacy: 111.6 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 63.3
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

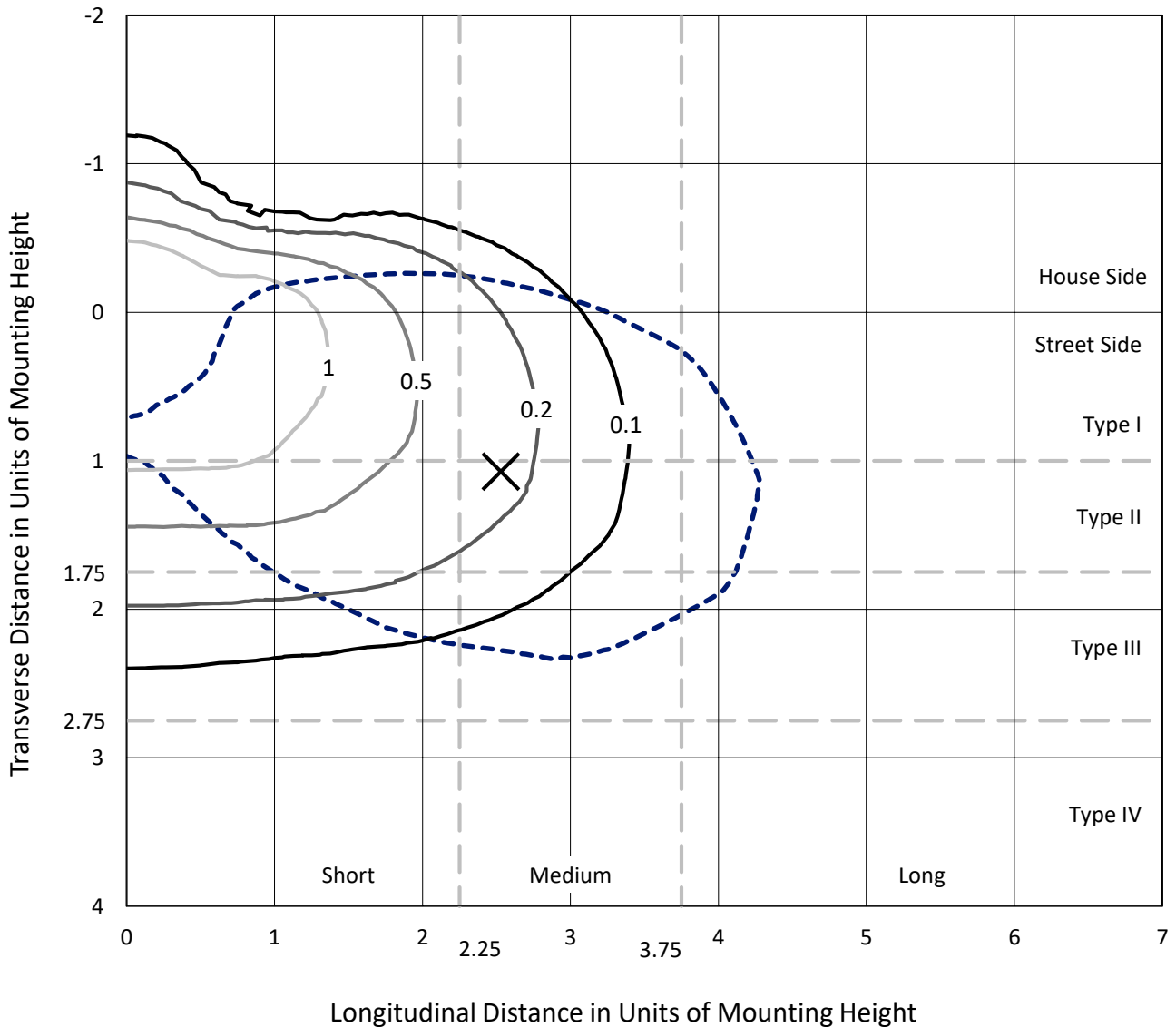


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Iso-Footcandle Lines of Horizontal Illumination

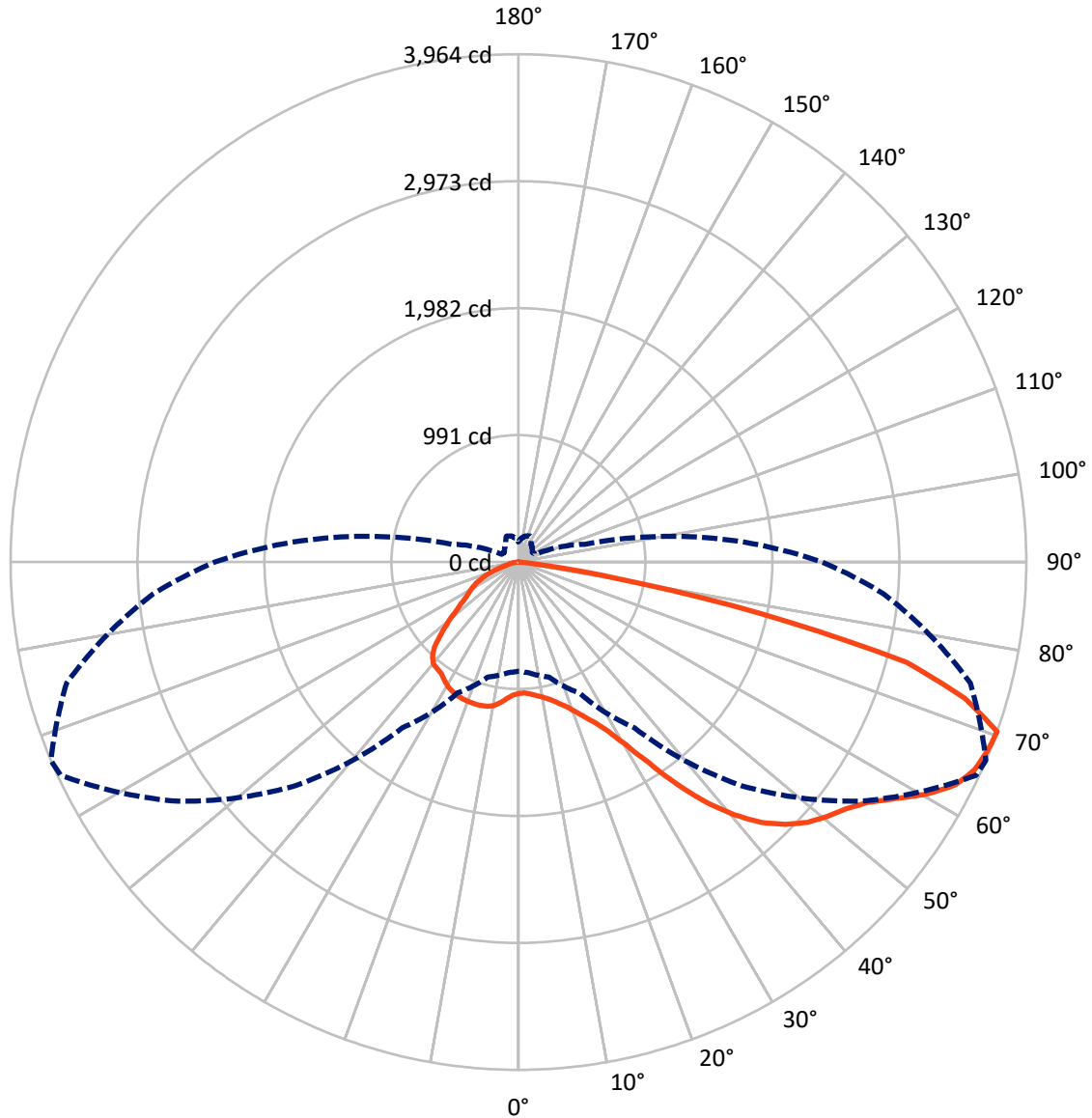
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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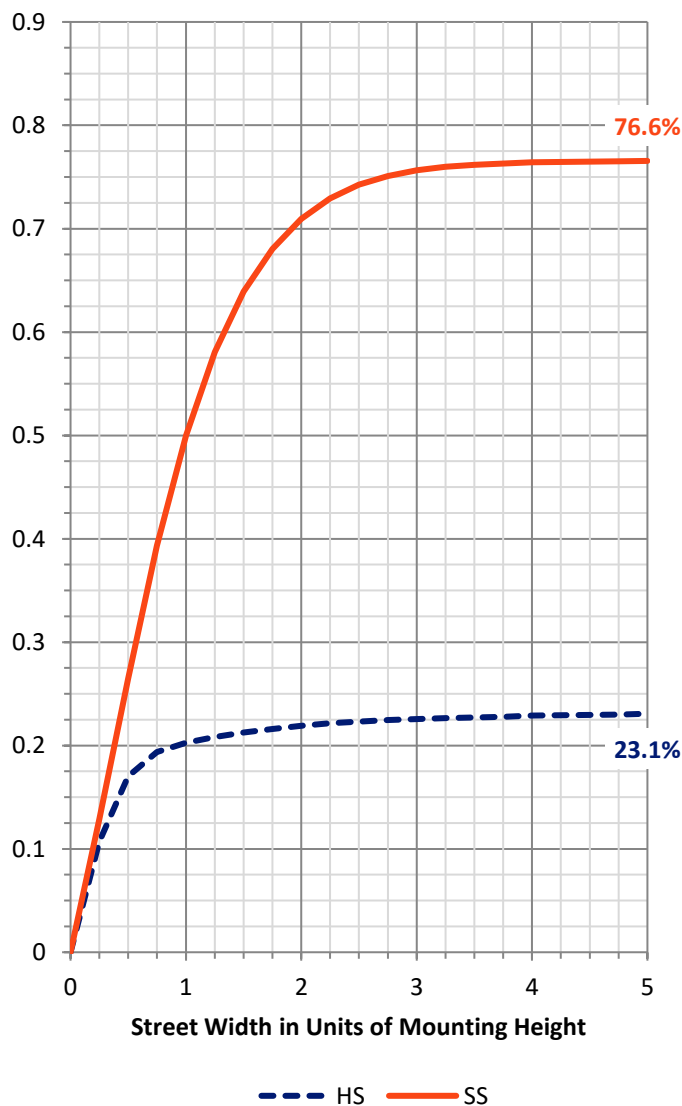
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1652.8	0.0	1652.8
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	5411.2	0.0	5411.2
	% Fixture	76.6	0.0	76.6
Total	Lumens	7064.0	0.0	7064.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.0	1.5
10°-20°	334.9	4.7
20°-30°	590.6	8.4
30°-40°	905.2	12.8
40°-50°	1233.9	17.5
50°-60°	1460.1	20.7
60°-70°	1522.2	21.5
70°-80°	851.5	12.1
80°-90°	61.6	0.9
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°	7064.0	100.0
0°-180°	7064.0	100.0

Coefficient of Utilization



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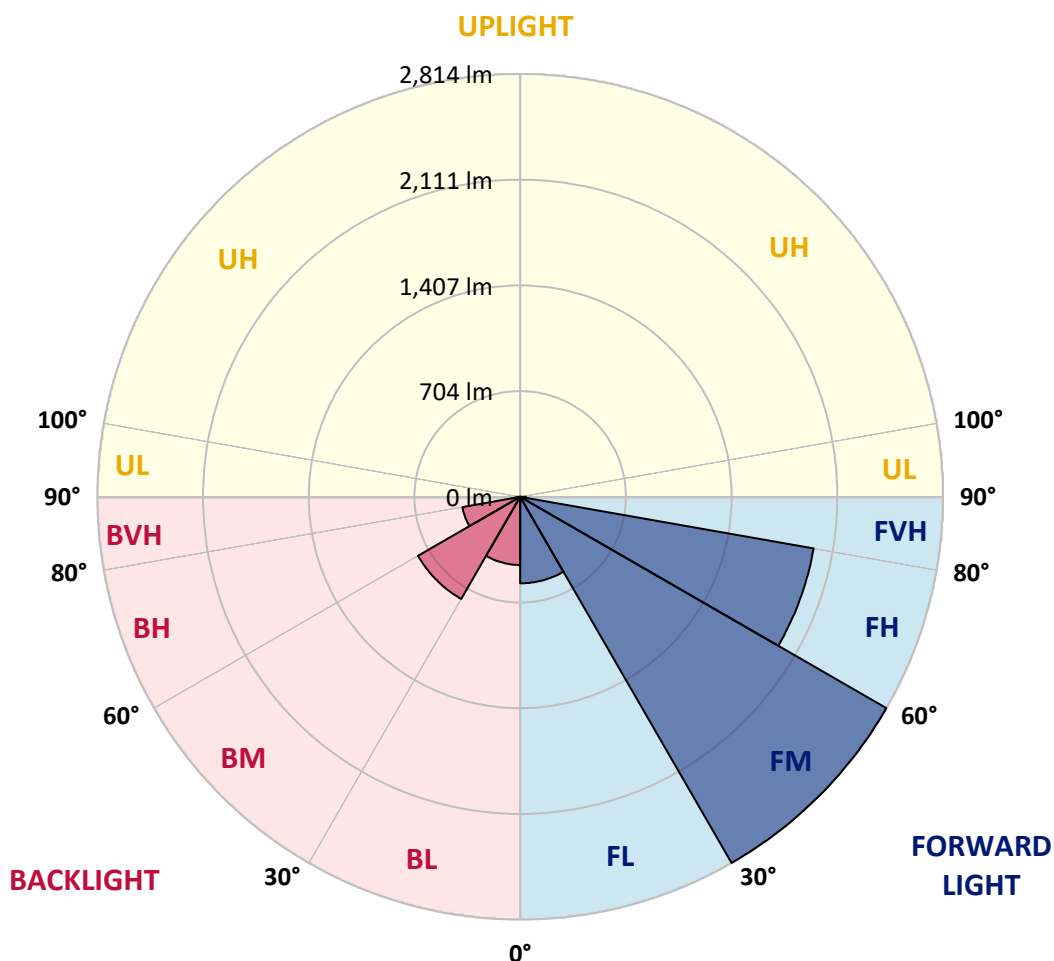
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	575.8	8.2			
FM	(30°-60°)	2814.3	39.8			
FH	(60°-80°)	1983.4	28.1			G2/5000
FVH	(80°-90°)	37.7	0.5			G1/100
BL	(0°-30°)	453.7	6.4	B1/500		
BM	(30°-60°)	785.0	11.1	B1/1000		
BH	(60°-80°)	390.3	5.5	B1/500		G1/500
BVH	(80°-90°)	23.9	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°	65°	67°	75°	85°
0°	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6
2.5°	1028.7	1028.7	1028.7	1026.6	1026.6	1026.6	1024.6	1022.6	1022.6	1024.6	1024.6
5°	1054.7	1054.7	1052.7	1050.7	1046.7	1042.7	1038.7	1036.7	1036.7	1036.7	1038.7
7.5°	1090.8	1088.8	1084.8	1082.8	1076.8	1070.8	1062.7	1054.7	1054.7	1050.7	1054.7
10°	1134.9	1134.9	1128.9	1124.9	1116.9	1100.8	1088.8	1076.8	1074.8	1070.8	1076.8
12.5°	1191.1	1191.1	1187.1	1177.0	1165.0	1145.0	1122.9	1102.8	1100.8	1094.8	1106.9
15°	1259.2	1253.2	1251.2	1243.2	1221.1	1195.1	1165.0	1138.9	1138.9	1128.9	1142.9
17.5°	1335.4	1333.4	1331.4	1321.4	1295.3	1257.2	1217.1	1187.1	1181.0	1175.0	1183.1
20°	1427.7	1425.7	1423.7	1407.6	1377.6	1331.4	1283.3	1243.2	1239.2	1233.2	1227.2
22.5°	1534.0	1534.0	1525.9	1513.9	1471.8	1417.7	1359.5	1309.4	1309.4	1303.4	1275.3
25°	1636.2	1632.2	1628.2	1614.2	1580.1	1521.9	1453.7	1395.6	1387.6	1387.6	1339.5
27.5°	1730.5	1730.5	1736.5	1728.5	1694.4	1634.2	1566.0	1499.9	1495.9	1487.8	1413.6
30°	1828.7	1832.7	1834.7	1834.7	1818.7	1772.6	1698.4	1648.3	1656.3	1636.2	1523.9
32.5°	1902.9	1906.9	1933.0	1957.0	1943.0	1916.9	1874.8	1858.8	1866.8	1882.9	1760.5
35°	1973.1	1979.1	2015.2	2065.3	2087.4	2075.4	2081.4	2109.4	2127.5	2191.7	2085.4
37.5°	2025.2	2031.2	2063.3	2125.5	2191.7	2225.7	2281.9	2344.0	2378.1	2460.3	2308.0
40°	2039.3	2049.3	2115.5	2199.7	2299.9	2402.2	2470.4	2550.6	2592.7	2630.8	2458.3
42.5°	1991.1	2001.2	2087.4	2263.8	2404.2	2560.6	2634.8	2745.1	2779.2	2757.1	2574.6
45°	1961.1	1967.1	2055.3	2257.8	2494.4	2713.0	2785.2	2901.5	2921.5	2867.4	2674.9
47.5°	1918.9	1925.0	2019.2	2247.8	2566.6	2845.3	2895.5	3009.8	3035.8	2959.6	2751.1
50°	1856.8	1864.8	1973.1	2229.8	2614.7	2935.6	2989.7	3108.0	3122.1	3041.8	2831.3
52.5°	1782.6	1794.6	1908.9	2191.7	2646.8	2993.7	3063.9	3186.2	3200.3	3148.1	2917.5
55°	1692.4	1704.4	1826.7	2135.5	2636.8	3011.8	3096.0	3286.5	3310.5	3268.4	2991.7
57.5°	1604.1	1612.2	1738.5	2053.3	2580.7	3039.8	3192.2	3448.9	3481.0	3392.8	3051.9
60°	1497.9	1515.9	1638.2	1941.0	2494.4	3067.9	3316.6	3643.4	3673.5	3513.1	3098.0
62.5°	1387.6	1403.6	1511.9	1800.6	2360.1	3041.8	3410.8	3811.8	3829.9	3609.3	3114.0
65°	1259.2	1261.3	1361.5	1622.2	2167.6	2935.6	3418.8	3894.0	3912.1	3669.5	3086.0
67.5°	1088.8	1088.8	1173.0	1395.6	1908.9	2743.1	3346.6	3920.1	3946.2	3709.6	3017.8
70°	852.2	866.2	930.4	1128.9	1580.1	2470.4	3254.4	3940.2	3964.2	3651.4	2863.4
72.5°	595.5	591.5	657.7	778.0	1142.9	1971.1	2903.5	3645.4	3645.4	3354.7	2580.7
75°	182.5	204.5	234.6	314.8	521.3	1321.4	2378.1	3090.0	3130.1	2905.5	2127.5
77.5°	60.2	60.2	70.2	86.2	112.3	280.7	1189.1	1892.9	1925.0	1890.9	1317.4
80°	48.1	48.1	54.1	62.2	72.2	144.4	419.1	709.8	762.0	840.2	545.4
82.5°	34.1	34.1	36.1	38.1	36.1	58.1	110.3	188.5	192.5	208.5	176.5
85°	22.1	20.1	20.1	18.0	16.0	16.0	14.0	14.0	16.0	16.0	20.1
87.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	6.0	6.0	6.0	6.0
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°	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6
2.5°	1026.6	1028.7	1034.7	1038.7	1042.7	1046.7	1048.7	1050.7	1050.7	1052.7	1052.7
5°	1040.7	1044.7	1054.7	1064.7	1080.8	1096.8	1110.9	1118.9	1120.9	1128.9	1128.9
7.5°	1058.7	1064.7	1088.8	1106.9	1130.9	1149.0	1165.0	1173.0	1181.0	1185.1	1185.1
10°	1086.8	1094.8	1118.9	1138.9	1159.0	1173.0	1183.1	1189.1	1191.1	1193.1	1193.1
12.5°	1114.9	1124.9	1138.9	1155.0	1167.0	1175.0	1181.0	1183.1	1183.1	1183.1	1183.1
15°	1145.0	1149.0	1153.0	1157.0	1163.0	1165.0	1165.0	1163.0	1159.0	1157.0	1157.0
17.5°	1175.0	1171.0	1165.0	1157.0	1149.0	1142.9	1134.9	1126.9	1120.9	1116.9	1118.9
20°	1211.1	1199.1	1173.0	1153.0	1130.9	1108.9	1090.8	1074.8	1062.7	1060.7	1062.7
22.5°	1253.2	1229.2	1187.1	1145.0	1106.9	1066.8	1028.7	1006.6	994.6	984.5	984.5
25°	1303.4	1265.3	1199.1	1132.9	1072.8	1008.6	956.5	922.4	902.3	890.3	894.3
27.5°	1361.5	1313.4	1211.1	1114.9	1022.6	938.4	870.2	816.1	794.0	778.0	780.0
30°	1445.7	1369.5	1225.2	1088.8	958.5	852.2	762.0	697.8	659.7	647.7	651.7
32.5°	1634.2	1489.8	1241.2	1050.7	886.3	749.9	629.6	551.4	511.3	511.3	509.3
35°	1949.0	1740.5	1279.3	1004.6	806.1	635.6	481.2	409.1	407.0	415.1	417.1
37.5°	2169.6	1971.1	1397.6	960.5	717.9	497.3	356.9	336.9	356.9	364.9	362.9
40°	2312.0	2109.4	1534.0	914.4	593.5	356.9	282.7	268.7	288.7	304.8	316.8
42.5°	2428.3	2205.7	1596.1	854.2	443.1	256.7	208.5	204.5	234.6	256.7	264.7
45°	2520.5	2293.9	1604.1	770.0	300.8	190.5	170.4	188.5	224.6	242.6	244.6
47.5°	2594.7	2366.1	1582.1	635.6	200.5	166.4	166.4	190.5	224.6	242.6	242.6
50°	2666.9	2426.3	1525.9	517.3	180.5	162.4	168.4	192.5	222.6	236.6	236.6
52.5°	2727.0	2466.4	1427.7	413.1	174.4	158.4	168.4	192.5	218.6	224.6	220.6
55°	2781.2	2482.4	1339.5	332.9	168.4	156.4	172.4	196.5	216.6	216.6	208.5
57.5°	2811.3	2444.3	1273.3	274.7	162.4	156.4	174.4	200.5	222.6	226.6	220.6
60°	2811.3	2390.2	1201.1	242.6	158.4	156.4	174.4	214.6	264.7	244.6	242.6
62.5°	2773.2	2332.0	1092.8	216.6	152.4	158.4	176.5	238.6	322.8	242.6	232.6
65°	2707.0	2219.7	950.5	192.5	146.4	160.4	174.4	274.7	385.0	234.6	206.5
67.5°	2582.7	2041.3	774.0	168.4	138.4	156.4	170.4	252.7	236.6	194.5	174.4
70°	2368.1	1774.6	537.4	146.4	132.3	152.4	170.4	222.6	210.5	178.5	156.4
72.5°	2049.3	1455.8	288.7	120.3	116.3	144.4	166.4	204.5	180.5	146.4	132.3
75°	1574.1	1034.7	176.5	94.2	96.2	128.3	154.4	194.5	172.4	140.4	122.3
77.5°	908.3	479.2	126.3	70.2	68.2	102.3	138.4	180.5	168.4	136.4	118.3
80°	332.9	198.5	86.2	52.1	46.1	74.2	108.3	146.4	160.4	134.3	120.3
82.5°	142.4	106.3	56.1	36.1	34.1	42.1	66.2	102.3	134.3	108.3	100.3
85°	20.1	20.1	20.1	18.0	20.1	26.1	28.1	50.1	74.2	40.1	40.1
87.5°	8.0	8.0	8.0	8.0	10.0	10.0	8.0	8.0	6.0	6.0	6.0
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)