

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: P175662

Luminaire Tested: **VERD-G-A02-E-U-T5-7060-AP**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P175662  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26225)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: VERD-G-A02-E-U-T5-7060-AP  
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 5700K LEDS AND TYPE V OPTICS, GREY PAINTED FINISH  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14968 lumens  
Efficiency: N/A  
Efficacy: 104.7 lumens/watt  
Luminous Opening: Rectangular (W 0.9' x L: 1.25' x H: 0')  
IES Classification: Type V - Short - Non-Cutoff  
BUG Rating: B4 - U0 - G3

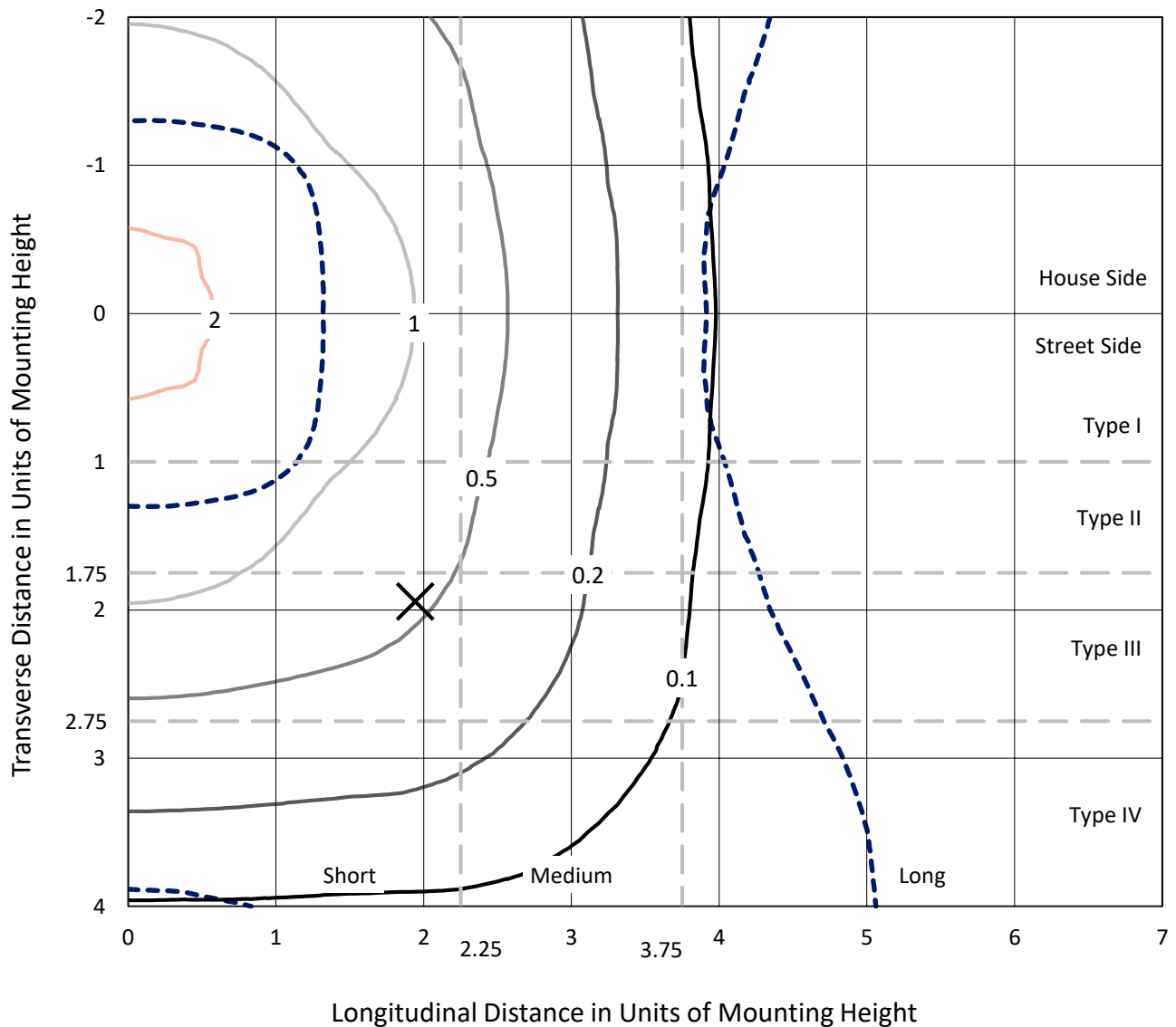
Input Watts (W): 143  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

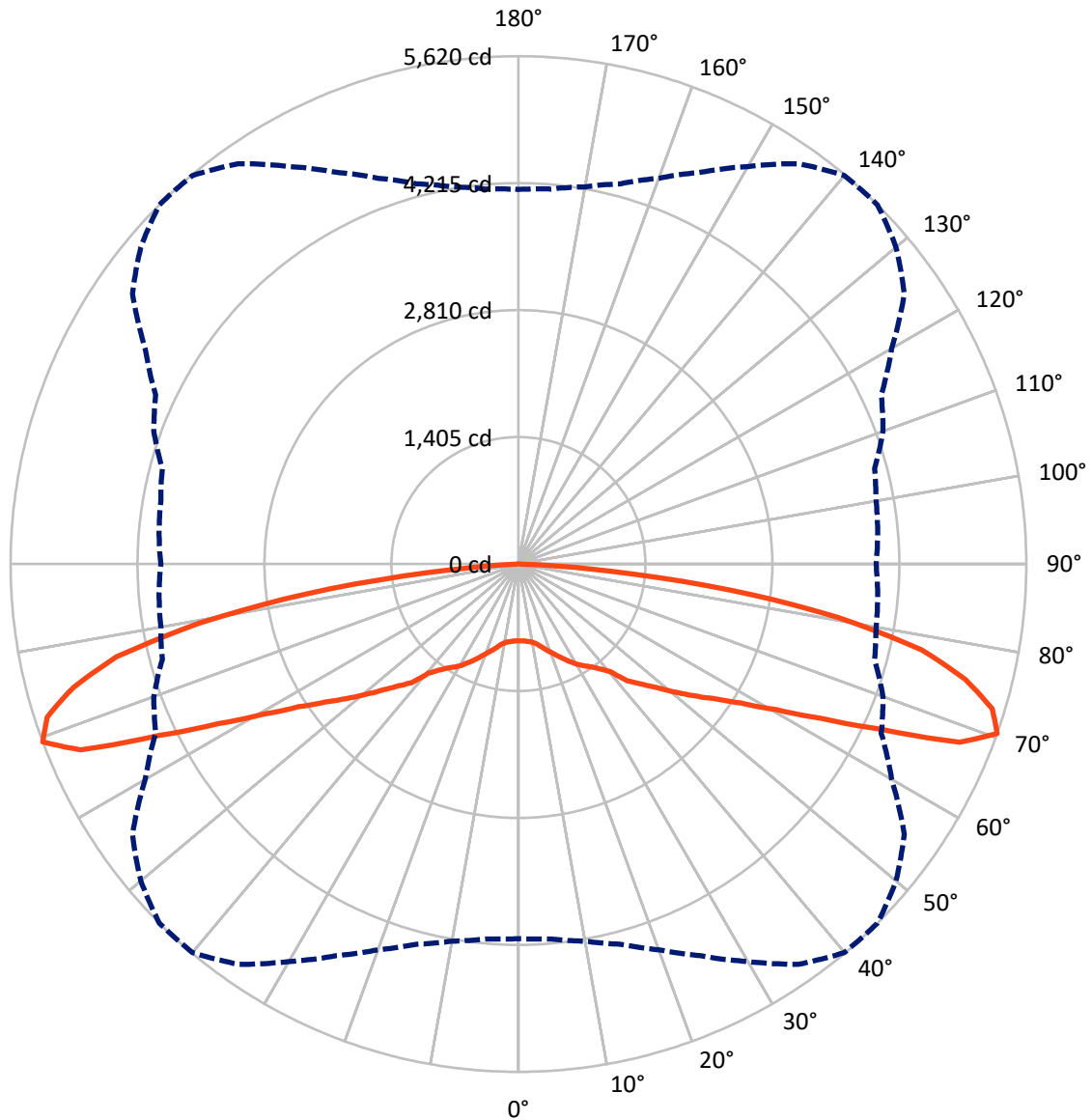
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.2 fc  
 Type V - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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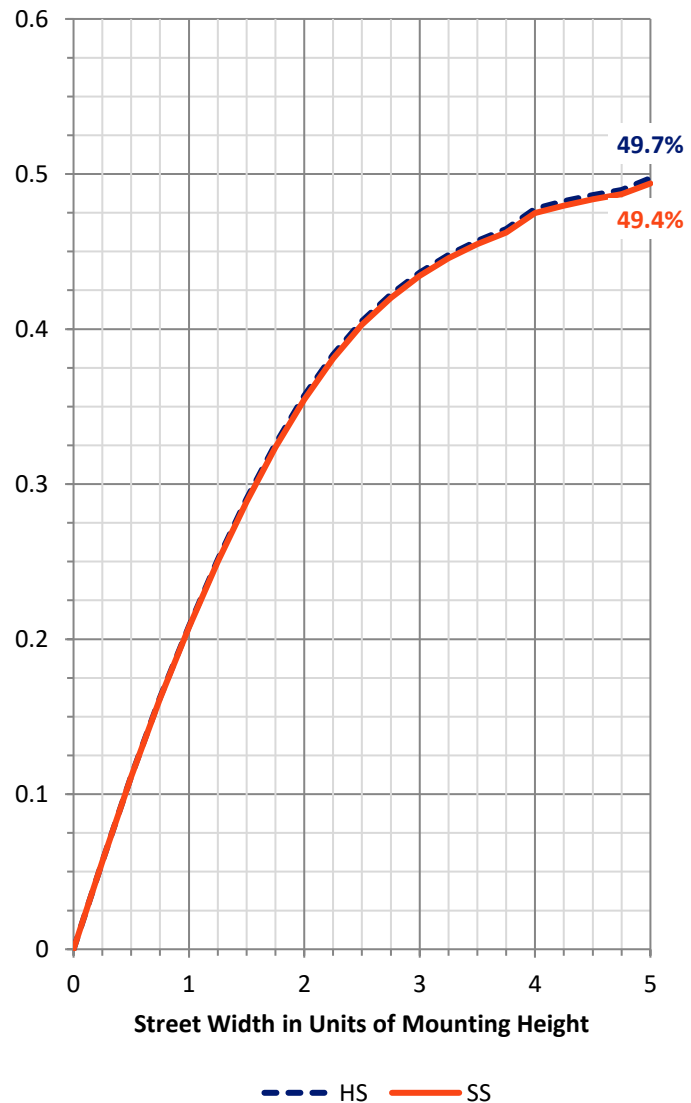
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7484.0	0.0	7484.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7484.0	0.0	7484.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	14968.0	0.0	14968.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	82.9	0.6
10°-20°	271.3	1.8
20°-30°	526.4	3.5
30°-40°	879.9	5.9
40°-50°	1532.2	10.2
50°-60°	2612.2	17.5
60°-70°	4303.5	28.8
70°-80°	3937.9	26.3
80°-90°	821.9	5.5
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°	14968.0	100.0
0°-180°	14968.0	100.0



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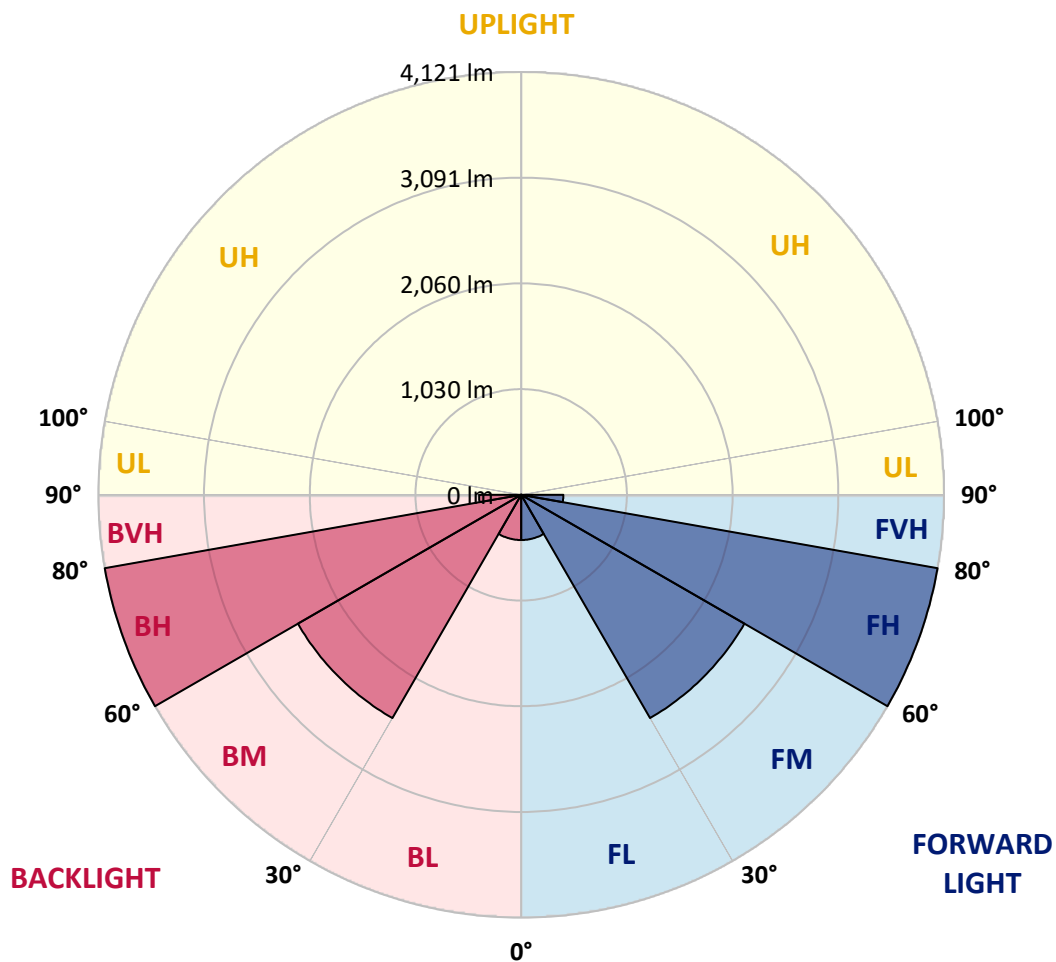
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	440.3	2.9			
FM	(30°-60°)	2512.1	16.8			
FH	(60°-80°)	4120.7	27.5			G2/5000
FVH	(80°-90°)	411.0	2.7			G3/500
BL	(0°-30°)	440.3	2.9	B1/500		
BM	(30°-60°)	2512.1	16.8	B3/5000		
BH	(60°-80°)	4120.7	27.5	B4/5000		G2/5000
BVH	(80°-90°)	411.0	2.7			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G3**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	851.0	851.0	851.0	851.0	851.0	851.0	851.0	851.0	851.0	851.0	851.0
2.5°	860.7	860.7	860.7	858.8	858.8	853.9	853.9	850.1	847.1	850.1	848.1
5°	870.4	868.5	867.5	865.6	865.6	862.7	860.7	856.8	855.9	857.8	855.9
7.5°	882.1	880.1	877.2	875.3	877.2	874.3	872.4	867.5	867.5	866.6	866.6
10°	898.6	895.7	894.7	892.8	894.7	888.9	888.9	885.0	883.0	881.1	882.1
12.5°	920.9	919.0	918.0	916.0	916.0	914.1	916.0	910.2	909.3	909.3	910.2
15°	953.9	951.0	950.0	948.1	948.1	950.0	951.0	948.1	951.0	951.0	948.1
17.5°	993.7	989.8	989.8	987.9	989.8	991.7	994.6	994.6	997.6	998.5	994.6
20°	1035.4	1031.5	1030.5	1029.6	1033.5	1035.4	1041.2	1046.1	1050.0	1047.0	1039.3
22.5°	1080.0	1076.2	1074.2	1071.3	1075.2	1080.0	1093.6	1103.3	1107.2	1103.3	1093.6
25°	1127.6	1125.6	1124.7	1119.8	1117.9	1127.6	1145.1	1157.7	1165.4	1162.5	1154.8
27.5°	1179.0	1176.1	1175.1	1169.3	1168.3	1170.3	1188.7	1214.0	1221.7	1224.6	1215.9
30°	1230.4	1227.5	1226.6	1223.7	1221.7	1221.7	1231.4	1257.6	1281.9	1289.6	1270.2
32.5°	1297.4	1293.5	1292.6	1286.7	1284.8	1285.8	1291.6	1304.2	1330.4	1344.0	1319.7
35°	1379.9	1376.0	1369.2	1366.3	1361.4	1362.4	1366.3	1377.9	1390.6	1398.3	1385.7
37.5°	1467.2	1463.3	1459.5	1455.6	1448.8	1448.8	1450.7	1459.5	1471.1	1473.0	1463.3
40°	1593.4	1594.3	1578.8	1574.0	1560.4	1557.5	1558.4	1562.3	1569.1	1564.3	1566.2
42.5°	1806.9	1791.3	1776.8	1771.9	1758.3	1754.5	1752.5	1756.4	1760.3	1765.1	1771.0
45°	2011.6	2003.8	1984.4	1965.0	1938.8	1918.4	1893.2	1876.7	1875.8	1889.3	1891.3
47.5°	2252.3	2239.6	2210.5	2183.4	2142.6	2104.8	2062.1	2034.9	2027.1	2038.8	2039.7
50°	2525.9	2511.4	2477.4	2442.5	2390.1	2342.5	2276.5	2233.8	2217.3	2221.2	2219.3
52.5°	2806.4	2791.8	2750.1	2720.0	2665.6	2601.6	2522.0	2457.0	2424.0	2417.2	2407.5
55°	3124.6	3109.1	3065.4	3032.5	2965.5	2897.6	2796.6	2713.2	2659.8	2630.7	2623.9
57.5°	3455.5	3437.1	3403.1	3349.8	3300.3	3212.0	3120.8	3019.8	2944.1	2901.4	2890.8
60°	3795.2	3779.6	3744.7	3716.6	3666.1	3602.1	3497.3	3396.3	3313.9	3271.2	3245.9
62.5°	4162.9	4153.2	4127.0	4108.6	4068.8	3997.0	3945.6	3865.0	3810.7	3764.1	3732.1
65°	4566.6	4563.7	4562.7	4569.5	4560.8	4525.9	4501.6	4447.3	4428.8	4406.5	4359.0
67.5°	4502.6	4519.1	4569.5	4635.5	4727.7	4830.6	4963.5	5072.2	5184.8	5263.4	5161.5
70°	4144.5	4164.9	4237.7	4355.1	4542.4	4783.0	5079.0	5407.0	5611.7	5619.5	5454.5
72.5°	3696.2	3714.6	3774.8	3943.6	4156.2	4520.0	5010.1	5377.9	5509.8	5483.6	5312.9
75°	2994.6	3033.4	3197.4	3365.3	3657.4	4051.4	4623.9	5014.0	5186.7	5110.0	4895.6
77.5°	2151.3	2150.4	2265.8	2515.2	2793.7	3265.3	3862.1	4371.6	4587.0	4560.8	4392.9
80°	1165.4	1207.2	1332.3	1538.1	1826.3	2229.0	2750.1	3233.3	3498.2	3584.6	3497.3
82.5°	520.1	542.4	628.8	796.7	976.2	1271.2	1639.0	2005.8	2259.1	2364.8	2285.3
85°	164.0	169.8	200.9	282.4	370.7	525.9	734.6	966.5	1089.7	1007.3	866.6
87.5°	39.8	41.7	51.4	80.5	118.4	165.0	149.4	126.1	90.2	45.6	28.1
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):**

	55°	60°	65°	70°	75°	80°	85°	90°
0°	851.0	851.0	851.0	851.0	851.0	851.0	851.0	851.0
2.5°	848.1	847.1	848.1	849.1	849.1	848.1	848.1	850.1
5°	856.8	855.9	856.8	859.8	858.8	859.8	858.8	861.7
7.5°	865.6	864.6	863.6	866.6	866.6	867.5	866.6	868.5
10°	881.1	881.1	880.1	881.1	879.2	879.2	877.2	876.3
12.5°	907.3	906.3	907.3	904.4	902.5	901.5	899.5	896.6
15°	946.1	943.2	944.2	936.4	935.5	934.5	932.5	930.6
17.5°	988.8	982.0	981.1	972.3	973.3	970.4	967.5	967.5
20°	1033.5	1025.7	1020.8	1013.1	1012.1	1011.1	1006.3	1008.2
22.5°	1084.9	1073.2	1066.5	1059.7	1055.8	1057.7	1053.8	1055.8
25°	1143.1	1125.6	1111.1	1110.1	1109.1	1111.1	1110.1	1110.1
27.5°	1196.5	1170.3	1160.6	1165.4	1165.4	1167.4	1171.3	1170.3
30°	1238.2	1221.7	1217.8	1227.5	1227.5	1229.5	1233.4	1234.3
32.5°	1298.4	1289.6	1290.6	1303.2	1304.2	1309.0	1313.9	1317.8
35°	1375.0	1372.1	1379.9	1393.5	1397.4	1403.2	1411.9	1417.7
37.5°	1460.4	1467.2	1476.0	1491.5	1503.1	1510.9	1521.6	1527.4
40°	1582.7	1599.2	1613.7	1632.2	1641.9	1655.5	1668.1	1676.8
42.5°	1790.4	1801.0	1811.7	1827.2	1843.7	1855.4	1863.1	1869.0
45°	1916.5	1935.9	1963.1	1994.1	2025.2	2051.4	2071.8	2074.7
47.5°	2066.9	2097.0	2134.8	2183.4	2225.1	2250.3	2265.8	2274.6
50°	2247.4	2284.3	2337.7	2394.9	2442.5	2477.4	2496.8	2510.4
52.5°	2442.5	2489.0	2555.0	2625.9	2684.1	2719.0	2751.0	2766.6
55°	2663.7	2727.8	2809.3	2894.7	2958.7	3004.3	3027.6	3047.0
57.5°	2942.2	3022.7	3118.8	3203.2	3271.2	3320.7	3353.6	3370.1
60°	3311.0	3391.5	3476.9	3559.4	3636.0	3670.0	3699.1	3711.7
62.5°	3763.2	3824.3	3893.2	3952.4	4025.2	4074.6	4106.7	4116.4
65°	4356.1	4383.2	4458.9	4524.9	4524.9	4514.2	4509.4	4501.6
67.5°	4949.0	4766.5	4623.9	4554.0	4479.3	4423.0	4391.0	4371.6
70°	5212.9	4768.5	4429.8	4293.0	4079.5	4018.4	3991.2	3957.2
72.5°	4995.5	4482.2	4003.8	3886.4	3600.1	3633.1	3499.2	3442.9
75°	4536.5	4032.9	3605.0	3338.1	3197.4	3020.8	2949.0	2958.7
77.5°	4062.0	3502.1	3036.3	2766.6	2598.7	2425.0	2384.2	2385.2
80°	3146.0	2640.4	2245.5	1987.3	1786.5	1640.9	1522.5	1486.6
82.5°	1944.7	1605.0	1331.4	1151.8	987.9	859.8	739.4	723.9
85°	662.8	526.9	393.0	317.3	252.3	203.8	165.9	160.1
87.5°	17.5	17.5	17.5	17.5	17.5	18.4	18.4	18.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)