

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: McGRAW-EDISON

Report Number: P197844

Luminaire Tested: **TT-C6-LED-E1-5WQ-PM-CG-MS/DIM-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197844
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115513)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C6-LED-E1-5WQ-PM-CG-MS/DIM-7060
Description: TOPTIER LED AREA/SITE LUMINAIRE
WIDE DISTRIBUTION WITH CLEAR GLASS LENS AND DIMMING OCCUPANCY SENSOR
Light Source: (160) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10429.1 lumens
Efficiency: N/A
Efficacy: 96.6 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B3 - U0 - G2

Input Watts (W): 108
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: 25 FT

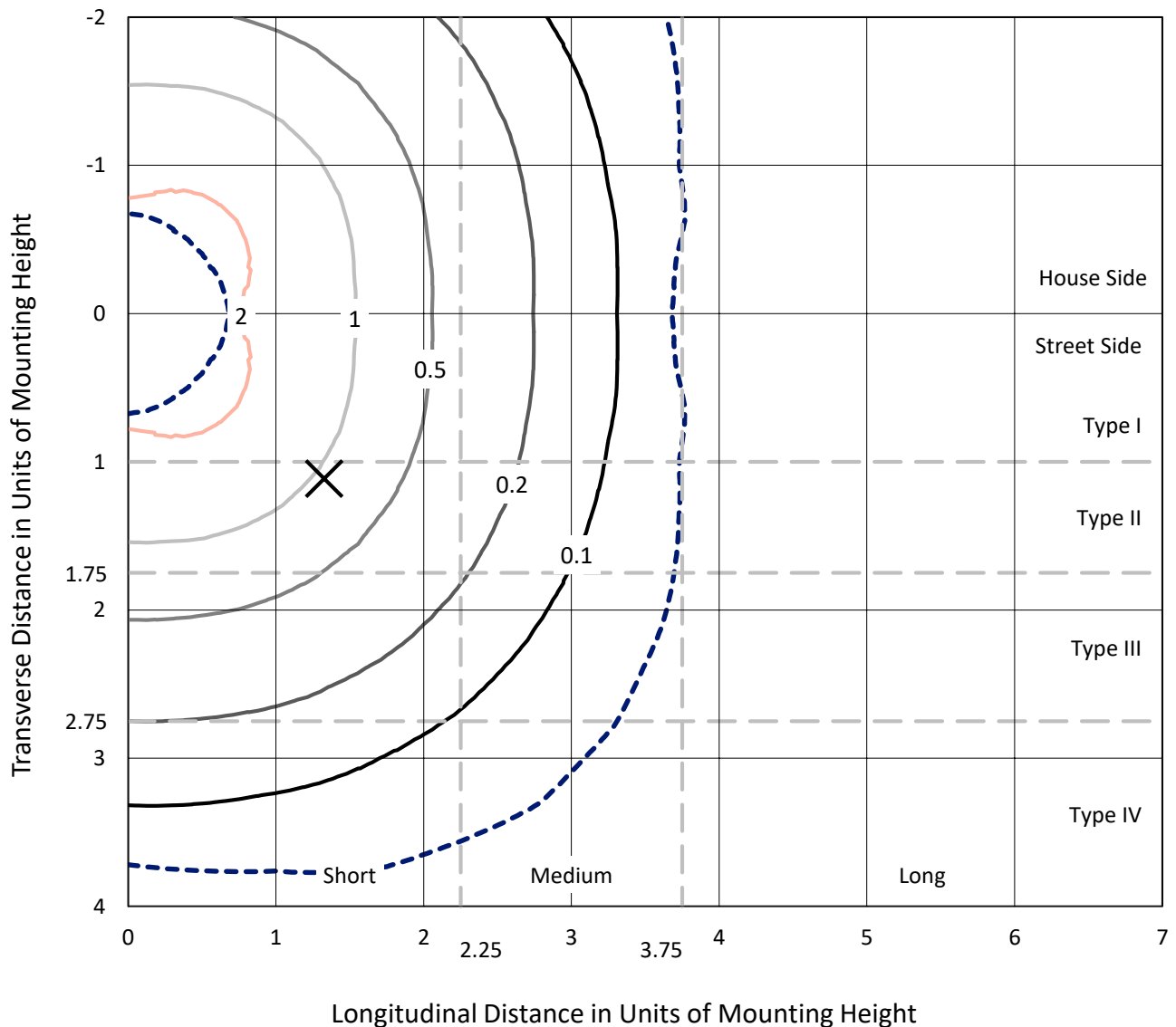


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

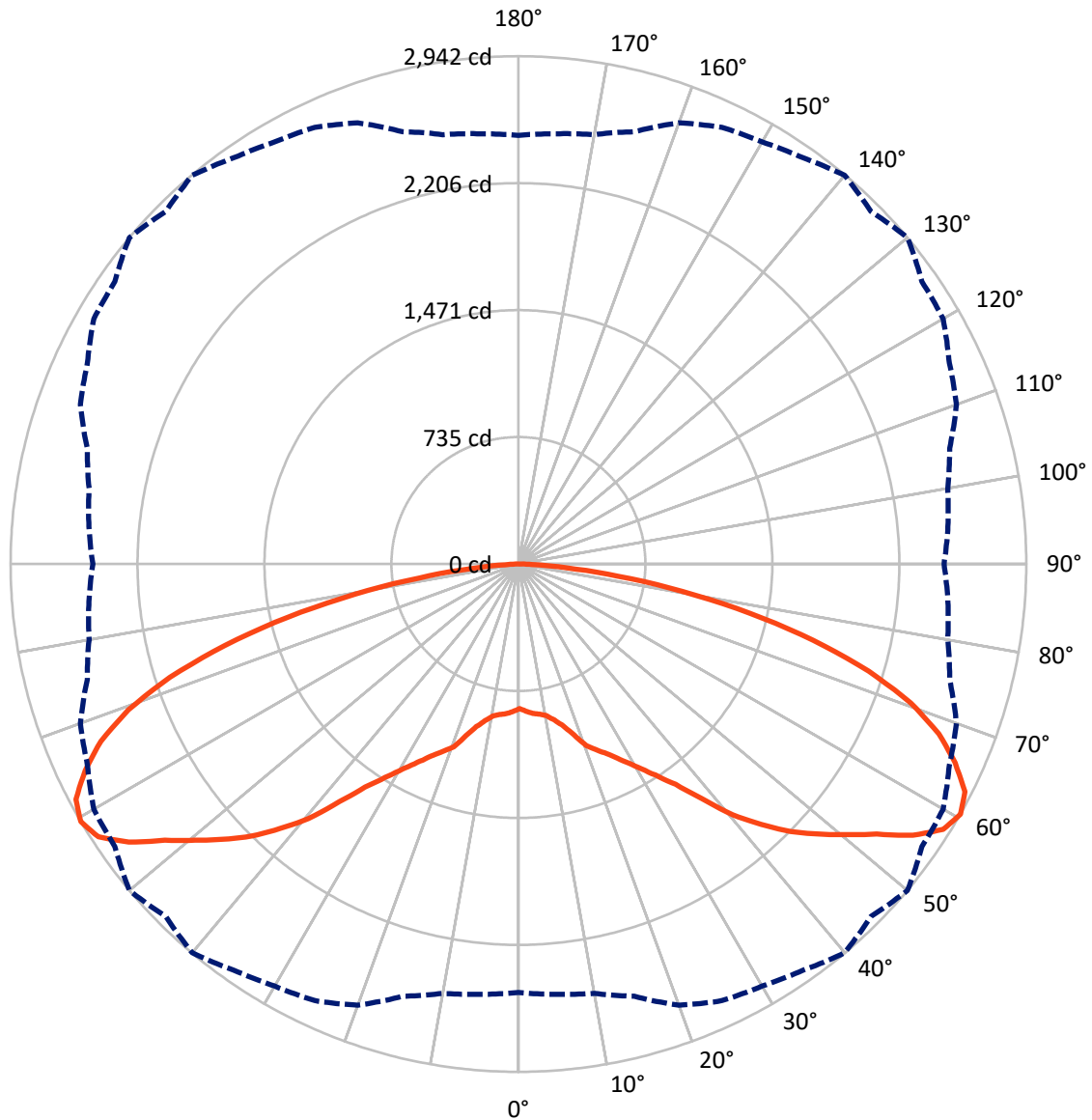


Based on 20 foot mounting height. Maximum calculated value = 2.3 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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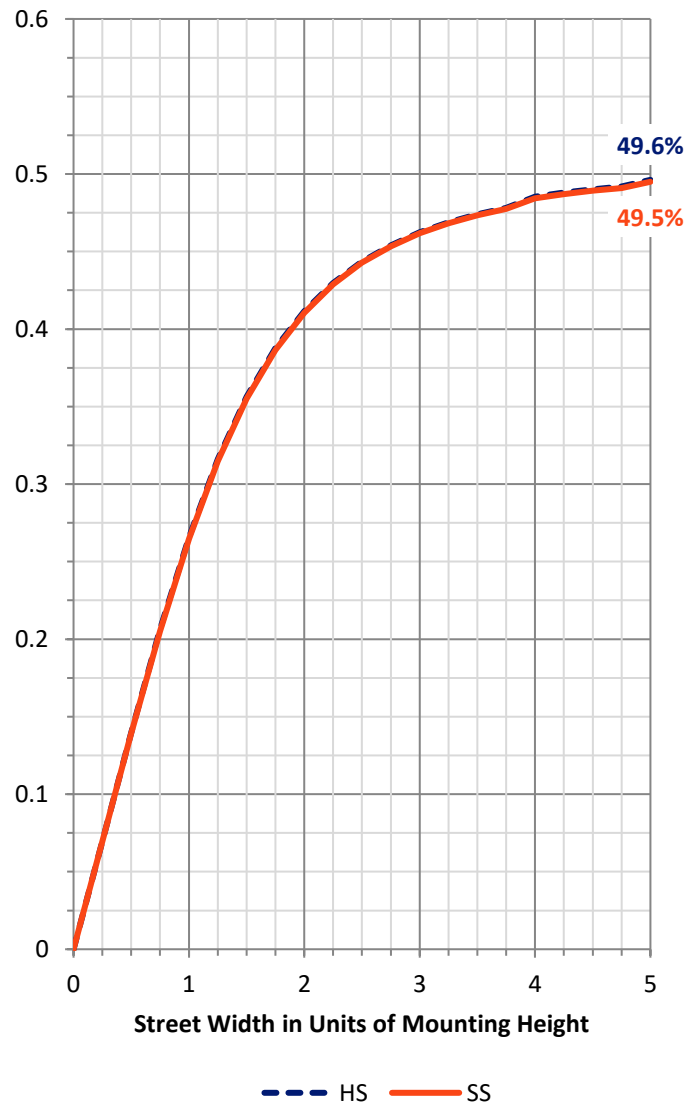
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5214.6	0.0	5214.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5214.6	0.0	5214.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	10429.1	0.0	10429.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.3	0.8
10°-20°	281.4	2.7
20°-30°	568.0	5.4
30°-40°	981.8	9.4
40°-50°	1630.8	15.6
50°-60°	2317.6	22.2
60°-70°	2531.5	24.3
70°-80°	1681.7	16.1
80°-90°	353.0	3.4
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°	10429.1	100.0
0°-180°	10429.1	100.0



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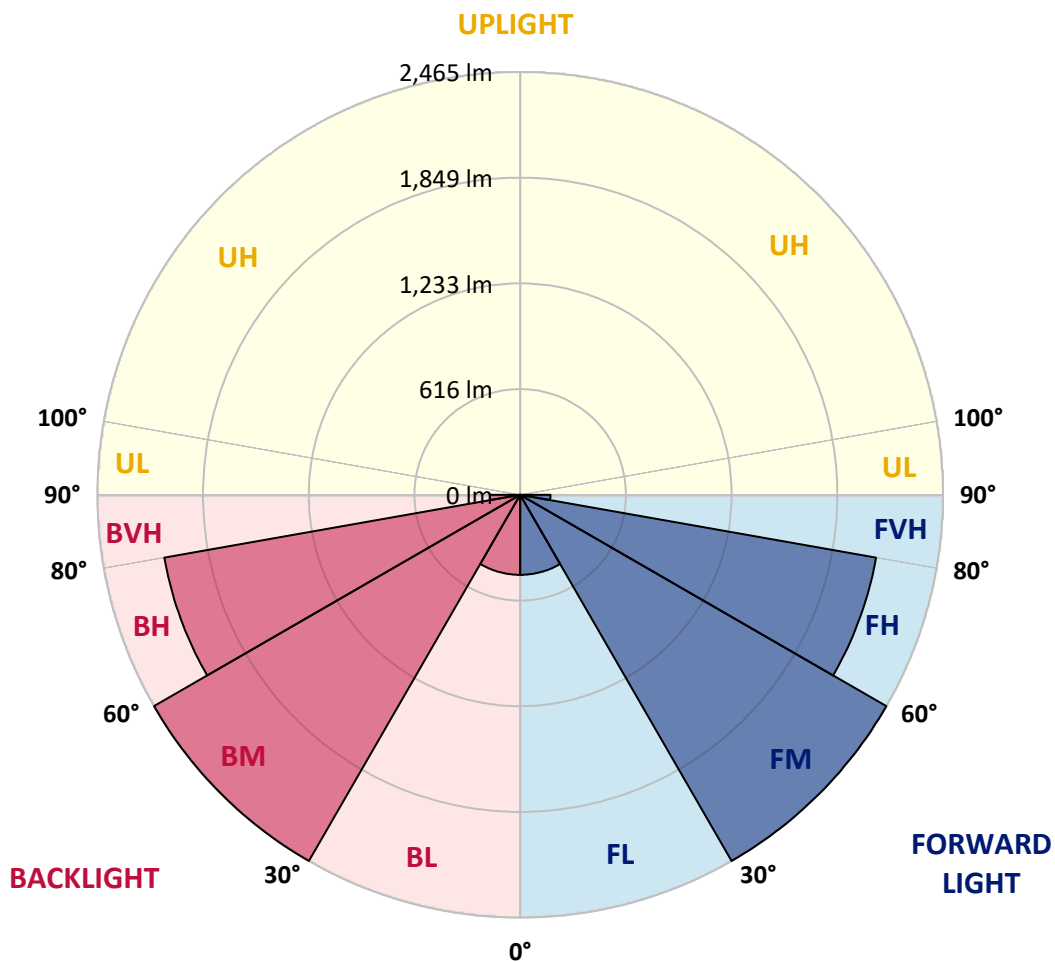
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	466.4	4.5			
FM (30°-60°)	2465.1	23.6			
FH (60°-80°)	2106.6	20.2			G2/5000
FVH (80°-90°)	176.5	1.7			G2/225
BL (0°-30°)	466.4	4.5	B1/500		
BM (30°-60°)	2465.1	23.6	B2/2500		
BH (60°-80°)	2106.6	20.2	B3/2500		G2/5000
BVH (80°-90°)	176.5	1.7			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	836.8	836.8	836.8	836.8	836.8	836.8	836.8	836.8	836.8	836.8	836.8
2.5°	854.0	854.0	854.0	854.0	854.0	854.0	854.0	854.0	851.9	854.0	854.0
5°	862.7	862.7	862.7	864.8	864.8	864.8	867.0	867.0	867.0	869.1	869.1
7.5°	869.1	869.1	869.1	869.1	871.3	871.3	871.3	873.4	873.4	875.6	877.8
10°	897.2	897.2	897.2	897.2	897.2	895.0	895.0	895.0	892.9	892.9	892.9
12.5°	931.7	933.8	936.0	936.0	936.0	936.0	931.7	927.4	927.4	927.4	927.4
15°	964.0	966.2	968.3	972.7	974.8	977.0	977.0	977.0	977.0	977.0	972.7
17.5°	1015.8	1017.9	1017.9	1020.1	1022.3	1022.3	1024.4	1030.9	1039.5	1043.8	1039.5
20°	1095.6	1099.9	1102.1	1102.1	1104.2	1102.1	1106.4	1110.7	1117.1	1121.5	1123.6
22.5°	1153.8	1158.1	1164.6	1164.6	1164.6	1162.4	1166.8	1168.9	1166.8	1166.8	1171.1
25°	1199.1	1203.4	1207.7	1209.9	1214.2	1222.8	1231.5	1231.5	1225.0	1222.8	1222.8
27.5°	1257.3	1263.8	1263.8	1266.0	1270.3	1276.7	1285.4	1291.8	1296.2	1291.8	1289.7
30°	1332.8	1337.1	1339.3	1337.1	1345.8	1347.9	1350.1	1354.4	1367.3	1375.9	1365.2
32.5°	1391.0	1397.5	1404.0	1412.6	1432.0	1440.6	1438.5	1442.8	1447.1	1455.7	1457.9
35°	1479.5	1490.3	1492.4	1498.9	1522.6	1535.5	1555.0	1565.7	1563.6	1552.8	1567.9
37.5°	1613.2	1626.1	1628.3	1639.1	1662.8	1673.6	1695.1	1723.2	1729.6	1714.5	1723.2
40°	1753.4	1770.6	1785.7	1809.4	1848.3	1861.2	1887.1	1902.2	1923.7	1925.9	1910.8
42.5°	1872.0	1891.4	1891.4	1932.4	1975.5	2012.2	2044.5	2046.7	2061.8	2083.3	2061.8
45°	1999.2	2014.3	2020.8	2055.3	2081.2	2128.6	2176.1	2193.3	2199.8	2204.1	2210.6
47.5°	2115.7	2135.1	2141.6	2171.8	2199.8	2242.9	2273.1	2324.9	2337.8	2320.6	2337.8
50°	2189.0	2210.6	2227.8	2290.4	2340.0	2376.6	2402.5	2447.8	2473.7	2460.7	2462.9
52.5°	2303.3	2309.8	2327.0	2361.5	2432.7	2531.9	2562.1	2577.2	2613.9	2633.3	2598.8
55°	2458.6	2480.2	2493.1	2534.1	2570.7	2641.9	2756.2	2779.9	2771.3	2831.7	2773.5
57.5°	2484.5	2516.8	2557.8	2635.4	2700.1	2739.0	2810.1	2892.1	2889.9	2898.5	2900.7
60°	2482.3	2501.7	2525.4	2592.3	2719.5	2790.7	2823.1	2872.7	2939.5	2887.8	2941.7
62.5°	2467.2	2495.3	2521.1	2568.6	2637.6	2739.0	2829.5	2823.1	2913.6	2872.7	2902.9
65°	2376.6	2402.5	2450.0	2512.5	2596.6	2644.1	2734.6	2792.9	2779.9	2836.0	2779.9
67.5°	2219.2	2242.9	2281.7	2355.1	2443.5	2512.5	2544.9	2641.9	2631.1	2693.7	2626.8
70°	2003.5	2033.7	2079.0	2130.8	2217.0	2290.4	2327.0	2389.6	2419.8	2415.5	2411.1
72.5°	1744.7	1770.6	1807.3	1863.4	1936.7	2007.8	2035.9	2083.3	2132.9	2117.8	2122.2
75°	1455.7	1477.3	1505.3	1539.9	1608.9	1664.9	1697.3	1740.4	1779.2	1768.5	1764.1
77.5°	1121.5	1147.3	1177.5	1209.9	1237.9	1289.7	1313.4	1343.6	1375.9	1369.5	1371.6
80°	785.0	806.6	826.0	860.5	882.1	899.3	925.2	938.1	961.9	957.6	964.0
82.5°	478.8	493.9	506.8	524.1	543.5	539.2	541.3	556.4	575.8	565.0	582.3
85°	235.1	232.9	245.9	250.2	263.1	261.0	258.8	267.4	278.2	271.7	271.7
87.5°	60.4	60.4	60.4	62.5	69.0	75.5	69.0	73.3	77.6	79.8	77.6
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):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	836.8	836.8	836.8	836.8	836.8	836.8	836.8	836.8
2.5°	851.9	854.0	851.9	854.0	854.0	854.0	854.0	851.9
5°	869.1	867.0	867.0	867.0	864.8	862.7	862.7	862.7
7.5°	877.8	877.8	875.6	873.4	871.3	871.3	875.6	873.4
10°	897.2	899.3	901.5	903.6	901.5	899.3	899.3	897.2
12.5°	927.4	929.5	933.8	938.1	938.1	936.0	931.7	929.5
15°	970.5	968.3	970.5	974.8	974.8	968.3	961.9	959.7
17.5°	1030.9	1024.4	1020.1	1020.1	1024.4	1017.9	1011.5	1013.6
20°	1115.0	1104.2	1102.1	1095.6	1102.1	1102.1	1091.3	1091.3
22.5°	1175.4	1166.8	1158.1	1151.7	1160.3	1164.6	1153.8	1145.2
25°	1231.5	1229.3	1216.4	1209.9	1209.9	1212.0	1196.9	1199.1
27.5°	1287.5	1287.5	1278.9	1268.1	1263.8	1270.3	1257.3	1253.0
30°	1354.4	1347.9	1354.4	1339.3	1328.5	1335.0	1335.0	1326.3
32.5°	1440.6	1432.0	1438.5	1421.2	1406.1	1404.0	1393.2	1380.3
35°	1563.6	1542.0	1531.2	1522.6	1492.4	1490.3	1488.1	1477.3
37.5°	1718.9	1690.8	1667.1	1669.3	1626.1	1615.3	1615.3	1600.2
40°	1904.3	1887.1	1852.6	1839.6	1796.5	1768.5	1766.3	1738.3
42.5°	2033.7	2040.2	1994.9	1964.7	1930.2	1887.1	1889.2	1859.0
45°	2176.1	2163.1	2122.2	2072.5	2057.5	2010.0	2012.2	1982.0
47.5°	2311.9	2264.5	2242.9	2189.0	2165.3	2111.4	2117.8	2096.3
50°	2445.6	2393.9	2370.2	2311.9	2273.1	2217.0	2210.6	2165.3
52.5°	2588.0	2538.4	2506.0	2421.9	2370.2	2327.0	2309.8	2288.2
55°	2773.5	2723.9	2644.1	2562.1	2523.3	2456.4	2450.0	2421.9
57.5°	2855.4	2816.6	2732.5	2678.6	2600.9	2531.9	2506.0	2452.1
60°	2853.3	2840.3	2754.1	2700.1	2585.8	2525.4	2497.4	2465.1
62.5°	2829.5	2814.4	2713.1	2652.7	2549.2	2497.4	2475.8	2434.9
65°	2782.1	2730.3	2639.7	2590.1	2478.0	2432.7	2385.3	2348.6
67.5°	2648.4	2540.5	2499.6	2437.0	2327.0	2279.6	2234.3	2197.6
70°	2398.2	2318.4	2281.7	2204.1	2109.2	2079.0	2022.9	1982.0
72.5°	2079.0	2035.9	1997.1	1913.0	1846.1	1815.9	1759.8	1725.3
75°	1725.3	1699.4	1645.5	1583.0	1522.6	1511.8	1451.4	1438.5
77.5°	1339.3	1315.6	1272.4	1227.1	1199.1	1177.5	1123.6	1119.3
80°	938.1	923.0	888.5	869.1	849.7	830.3	793.7	789.3
82.5°	554.3	543.5	545.6	526.2	515.4	511.1	483.1	485.2
85°	267.4	258.8	258.8	258.8	248.0	245.9	228.6	230.8
87.5°	77.6	69.0	69.0	69.0	64.7	64.7	56.1	58.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)