

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: P197843

Luminaire Tested: **TT-C6-LED-E1-5WQ-PM-CG-MS/DIM-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197843
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-7050
Description: TOPTIER LED AREA/SITE LUMINAIRE
WIDE DISTRIBUTION WITH CLEAR GLASS LENS AND DIMMING OCCUPANCY SENSOR
Light Source: (160) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10508.5 lumens
Efficiency: N/A
Efficacy: 97.3 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

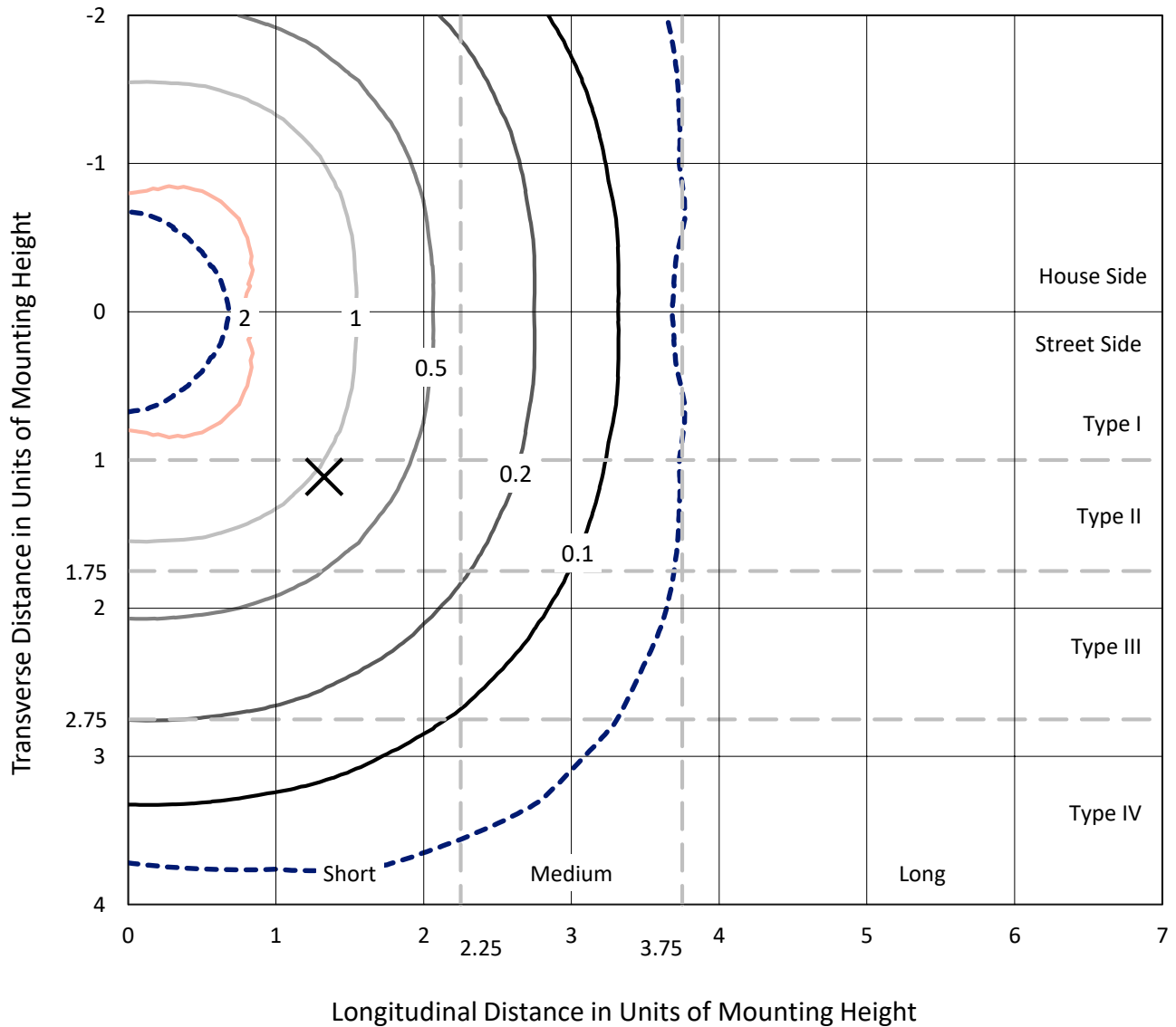


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

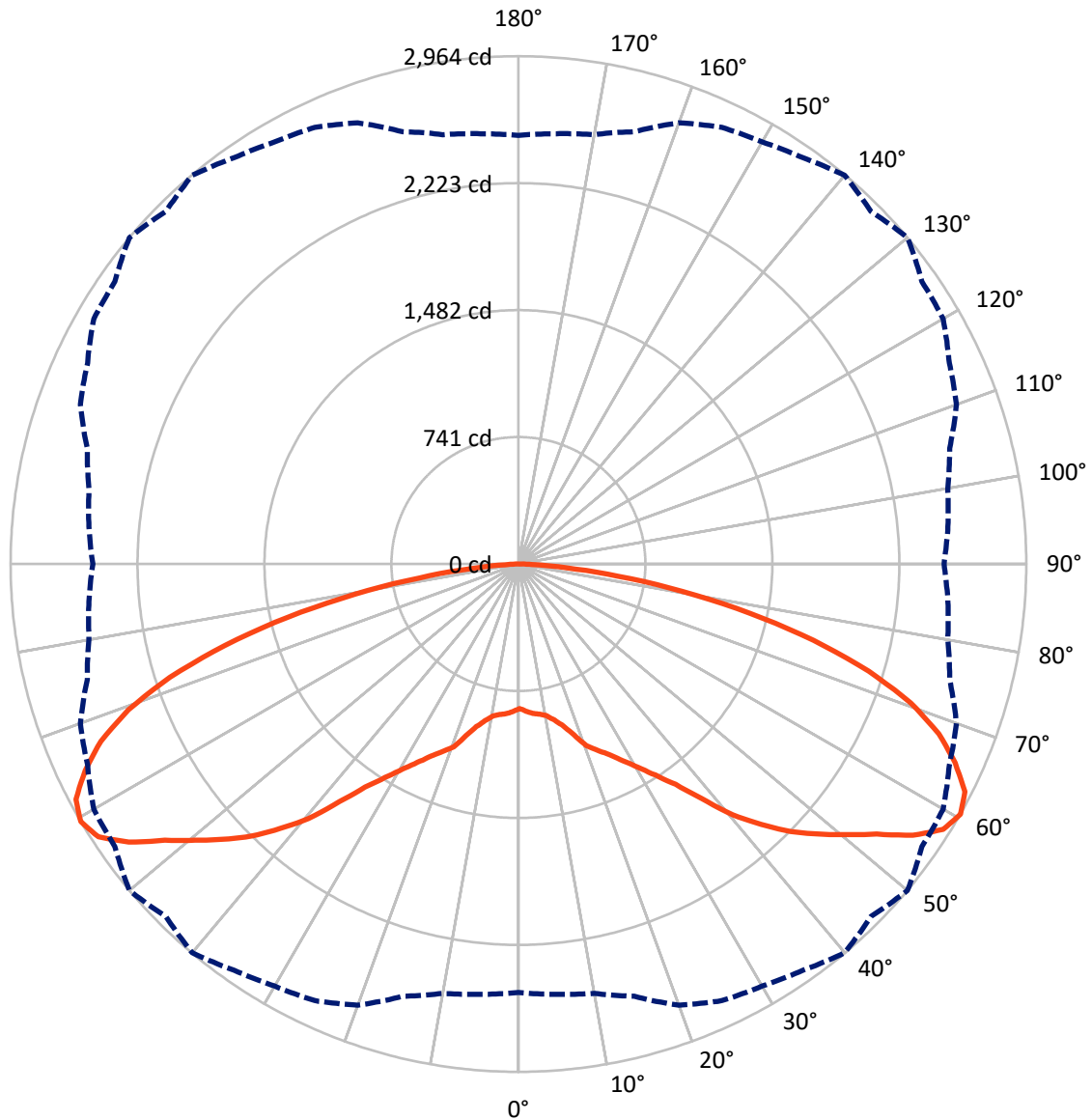


Based on 20 foot mounting height. Maximum calculated value = 2.3 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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

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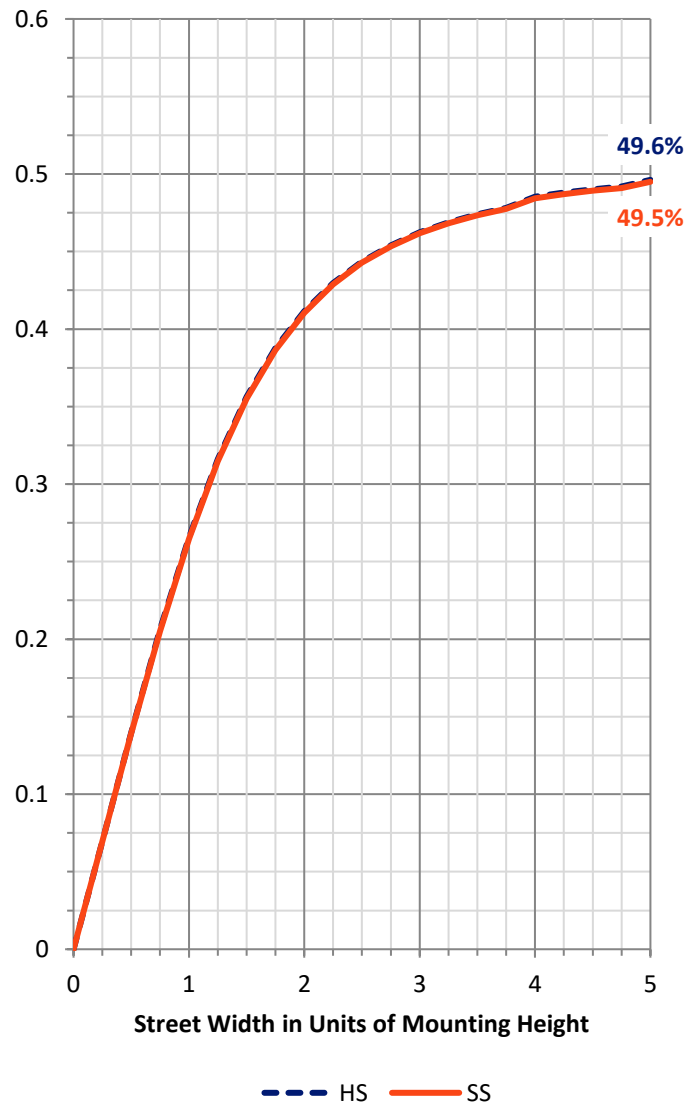
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5254.2	0.0	5254.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5254.2	0.0	5254.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	10508.5	0.0	10508.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.0	0.8
10°-20°	283.5	2.7
20°-30°	572.4	5.4
30°-40°	989.3	9.4
40°-50°	1643.2	15.6
50°-60°	2335.2	22.2
60°-70°	2550.8	24.3
70°-80°	1694.5	16.1
80°-90°	355.7	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°	10508.5	100.0
0°-180°	10508.5	100.0



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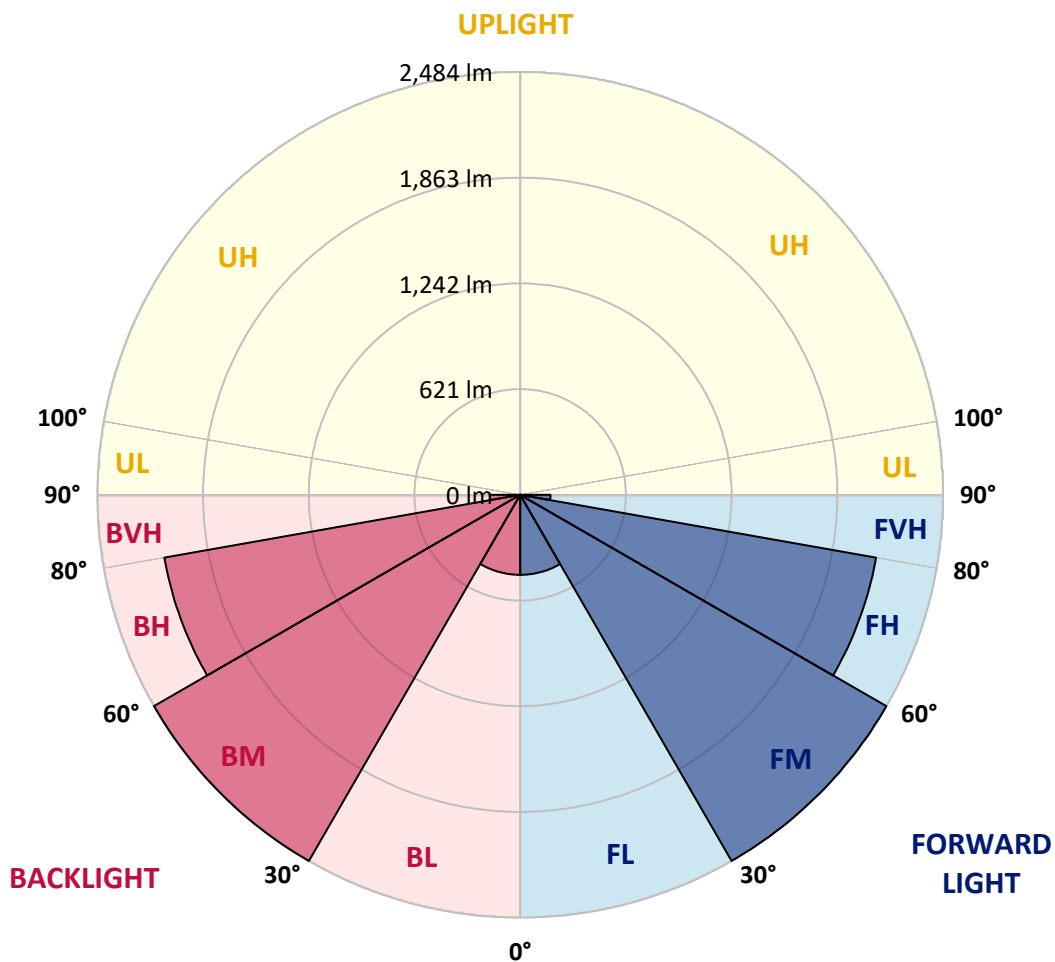
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	469.9	4.5			
FM	(30°-60°)	2483.8	23.6			
FH	(60°-80°)	2122.6	20.2			G2/5000
FVH	(80°-90°)	177.8	1.7			G2/225
BL	(0°-30°)	469.9	4.5	B1/500		
BM	(30°-60°)	2483.8	23.6	B2/2500		
BH	(60°-80°)	2122.6	20.2	B3/2500		G2/5000
BVH	(80°-90°)	177.8	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°	843.1	843.1	843.1	843.1	843.1	843.1	843.1	843.1	843.1	843.1	843.1
2.5°	860.5	860.5	860.5	860.5	860.5	860.5	860.5	860.5	858.4	860.5	860.5
5°	869.2	869.2	869.2	871.4	871.4	871.4	873.6	873.6	873.6	875.7	875.7
7.5°	875.7	875.7	875.7	875.7	877.9	877.9	877.9	880.1	880.1	882.3	884.4
10°	904.0	904.0	904.0	904.0	904.0	901.8	901.8	901.8	899.6	899.6	899.6
12.5°	938.8	940.9	943.1	943.1	943.1	943.1	938.8	934.4	934.4	934.4	934.4
15°	971.4	973.5	975.7	980.1	982.2	984.4	984.4	984.4	984.4	984.4	980.1
17.5°	1023.5	1025.7	1025.7	1027.9	1030.0	1030.0	1032.2	1038.7	1047.4	1051.8	1047.4
20°	1103.9	1108.3	1110.4	1110.4	1112.6	1110.4	1114.8	1119.1	1125.6	1130.0	1132.2
22.5°	1162.6	1166.9	1173.5	1173.5	1173.5	1171.3	1175.6	1177.8	1175.6	1175.6	1180.0
25°	1208.2	1212.6	1216.9	1219.1	1223.4	1232.1	1240.8	1240.8	1234.3	1232.1	1232.1
27.5°	1266.9	1273.4	1273.4	1275.6	1279.9	1286.5	1295.1	1301.7	1306.0	1301.7	1299.5
30°	1343.0	1347.3	1349.5	1347.3	1356.0	1358.2	1360.3	1364.7	1377.7	1386.4	1375.6
32.5°	1401.6	1408.1	1414.7	1423.4	1442.9	1451.6	1449.4	1453.8	1458.1	1466.8	1469.0
35°	1490.7	1501.6	1503.8	1510.3	1534.2	1547.2	1566.8	1577.6	1575.5	1564.6	1579.8
37.5°	1625.5	1638.5	1640.7	1651.5	1675.4	1686.3	1708.0	1736.3	1742.8	1727.6	1736.3
40°	1766.7	1784.1	1799.3	1823.2	1862.3	1875.4	1901.4	1916.6	1938.4	1940.5	1925.3
42.5°	1886.2	1905.8	1905.8	1947.1	1990.5	2027.5	2060.1	2062.2	2077.5	2099.2	2077.5
45°	2014.4	2029.6	2036.2	2070.9	2097.0	2144.8	2192.6	2210.0	2216.5	2220.9	2227.4
47.5°	2131.8	2151.3	2157.9	2188.3	2216.5	2260.0	2290.4	2342.6	2355.6	2338.2	2355.6
50°	2205.7	2227.4	2244.8	2307.8	2357.8	2394.7	2420.8	2466.4	2492.5	2479.5	2481.6
52.5°	2320.8	2327.4	2344.7	2379.5	2451.2	2551.2	2581.6	2596.8	2633.8	2653.3	2618.5
55°	2477.3	2499.0	2512.1	2553.4	2590.3	2662.0	2777.2	2801.1	2792.4	2853.2	2794.6
57.5°	2503.4	2536.0	2577.3	2655.5	2720.7	2759.8	2831.5	2914.1	2911.9	2920.6	2922.8
60°	2501.2	2520.8	2544.7	2612.0	2740.2	2811.9	2844.5	2894.5	2961.9	2909.7	2964.1
62.5°	2486.0	2514.2	2540.3	2588.1	2657.7	2759.8	2851.1	2844.5	2935.8	2894.5	2924.9
65°	2394.7	2420.8	2468.6	2531.6	2616.4	2664.2	2755.4	2814.1	2801.1	2857.6	2801.1
67.5°	2236.1	2260.0	2299.1	2373.0	2462.1	2531.6	2564.2	2662.0	2651.1	2714.2	2646.8
70°	2018.8	2049.2	2094.8	2147.0	2233.9	2307.8	2344.7	2407.8	2438.2	2433.8	2429.5
72.5°	1758.0	1784.1	1821.0	1877.5	1951.4	2023.1	2051.4	2099.2	2149.2	2134.0	2138.3
75°	1466.8	1488.6	1516.8	1551.6	1621.1	1677.6	1710.2	1753.7	1792.8	1781.9	1777.6
77.5°	1130.0	1156.1	1186.5	1219.1	1247.3	1299.5	1323.4	1353.8	1386.4	1379.9	1382.1
80°	791.0	812.7	832.3	867.1	888.8	906.2	932.2	945.3	969.2	964.8	971.4
82.5°	482.4	497.6	510.7	528.1	547.6	543.3	545.4	560.7	580.2	569.3	586.7
85°	236.9	234.7	247.7	252.1	265.1	262.9	260.8	269.5	280.3	273.8	273.8
87.5°	60.8	60.8	60.8	63.0	69.5	76.1	69.5	73.9	78.2	80.4	78.2
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°	843.1	843.1	843.1	843.1	843.1	843.1	843.1	843.1
2.5°	858.4	860.5	858.4	860.5	860.5	860.5	860.5	858.4
5°	875.7	873.6	873.6	873.6	871.4	869.2	869.2	869.2
7.5°	884.4	884.4	882.3	880.1	877.9	877.9	882.3	880.1
10°	904.0	906.2	908.3	910.5	908.3	906.2	906.2	904.0
12.5°	934.4	936.6	940.9	945.3	945.3	943.1	938.8	936.6
15°	977.9	975.7	977.9	982.2	982.2	975.7	969.2	967.0
17.5°	1038.7	1032.2	1027.9	1027.9	1032.2	1025.7	1019.2	1021.3
20°	1123.5	1112.6	1110.4	1103.9	1110.4	1110.4	1099.6	1099.6
22.5°	1184.3	1175.6	1166.9	1160.4	1169.1	1173.5	1162.6	1153.9
25°	1240.8	1238.6	1225.6	1219.1	1219.1	1221.3	1206.1	1208.2
27.5°	1297.3	1297.3	1288.6	1277.8	1273.4	1279.9	1266.9	1262.6
30°	1364.7	1358.2	1364.7	1349.5	1338.6	1345.1	1345.1	1336.4
32.5°	1451.6	1442.9	1449.4	1432.1	1416.8	1414.7	1403.8	1390.8
35°	1575.5	1553.7	1542.9	1534.2	1503.8	1501.6	1499.4	1488.6
37.5°	1731.9	1703.7	1679.8	1682.0	1638.5	1627.6	1627.6	1612.4
40°	1918.8	1901.4	1866.7	1853.6	1810.2	1781.9	1779.7	1751.5
42.5°	2049.2	2055.7	2010.1	1979.7	1944.9	1901.4	1903.6	1873.2
45°	2192.6	2179.6	2138.3	2088.3	2073.1	2025.3	2027.5	1997.0
47.5°	2329.5	2281.7	2260.0	2205.7	2181.8	2127.4	2134.0	2112.2
50°	2464.3	2412.1	2388.2	2329.5	2290.4	2233.9	2227.4	2181.8
52.5°	2607.7	2557.7	2525.1	2440.4	2388.2	2344.7	2327.4	2305.6
55°	2794.6	2744.6	2664.2	2581.6	2542.5	2475.1	2468.6	2440.4
57.5°	2877.1	2838.0	2753.3	2698.9	2620.7	2551.2	2525.1	2470.8
60°	2875.0	2861.9	2775.0	2720.7	2605.5	2544.7	2516.4	2483.8
62.5°	2851.1	2835.9	2733.7	2672.9	2568.6	2516.4	2494.7	2453.4
65°	2803.3	2751.1	2659.8	2609.9	2496.9	2451.2	2403.4	2366.5
67.5°	2668.5	2559.9	2518.6	2455.6	2344.7	2296.9	2251.3	2214.4
70°	2416.4	2336.0	2299.1	2220.9	2125.3	2094.8	2038.3	1997.0
72.5°	2094.8	2051.4	2012.3	1927.5	1860.1	1829.7	1773.2	1738.5
75°	1738.5	1712.4	1658.0	1595.0	1534.2	1523.3	1462.5	1449.4
77.5°	1349.5	1325.6	1282.1	1236.5	1208.2	1186.5	1132.2	1127.8
80°	945.3	930.1	895.3	875.7	856.2	836.6	799.7	795.3
82.5°	558.5	547.6	549.8	530.2	519.4	515.0	486.8	488.9
85°	269.5	260.8	260.8	260.8	249.9	247.7	230.3	232.5
87.5°	78.2	69.5	69.5	69.5	65.2	65.2	56.5	58.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)