

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: P197911

Luminaire Tested: **TT-C5-LED-E1-5WQ-PM-SG-MS/DIM-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197911
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115558)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C5-LED-E1-5WQ-PM-SG-MS/DIM-7050
Description: TOPTIER LED AREA/SITE LUMINAIRE
WIDE DISTRIBUTION WITH SOFTENING 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: 8124.8 lumens
Efficiency: N/A
Efficacy: 105.5 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B3 - U0 - G1

Input Watts (W): 77
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

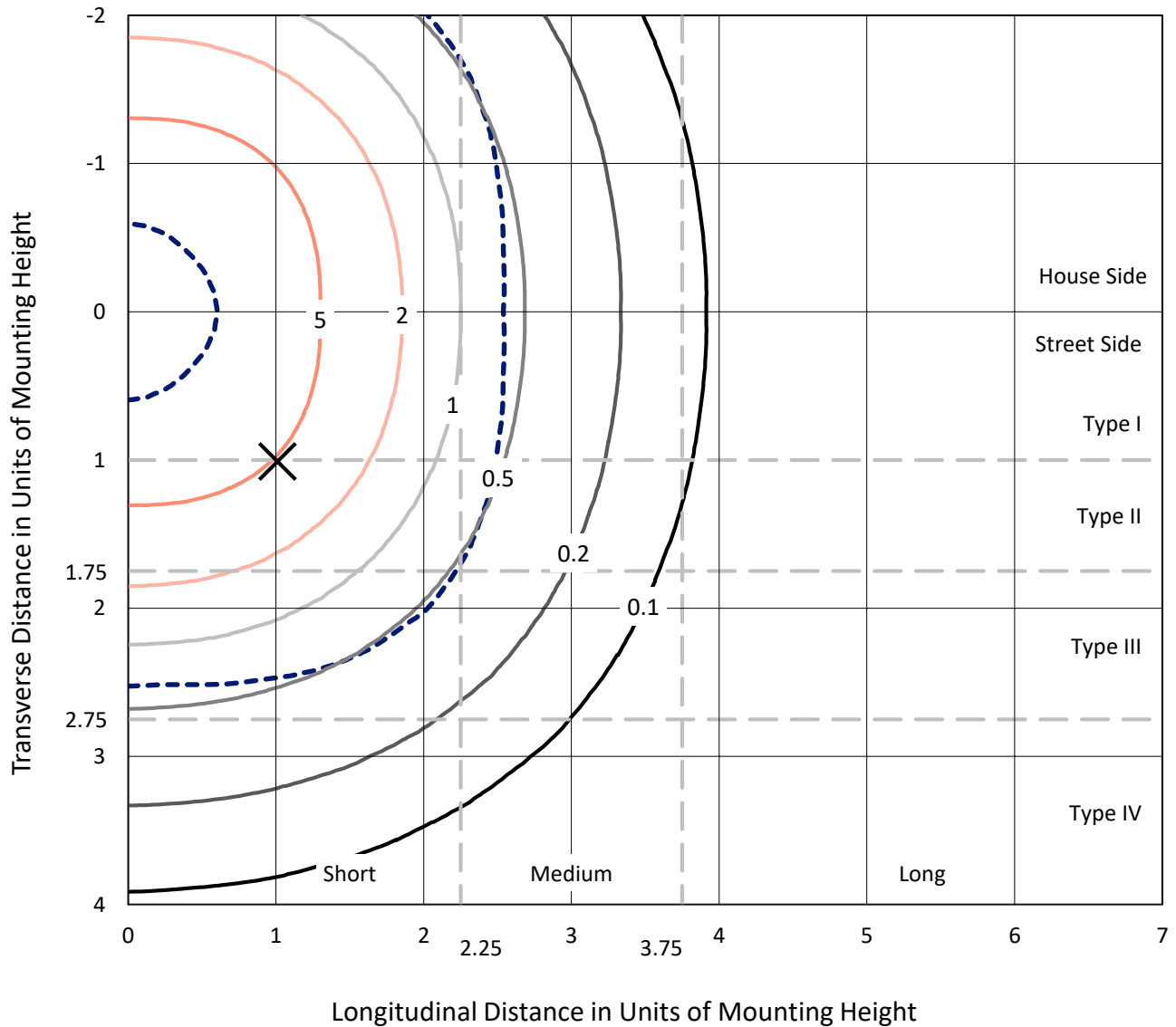


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

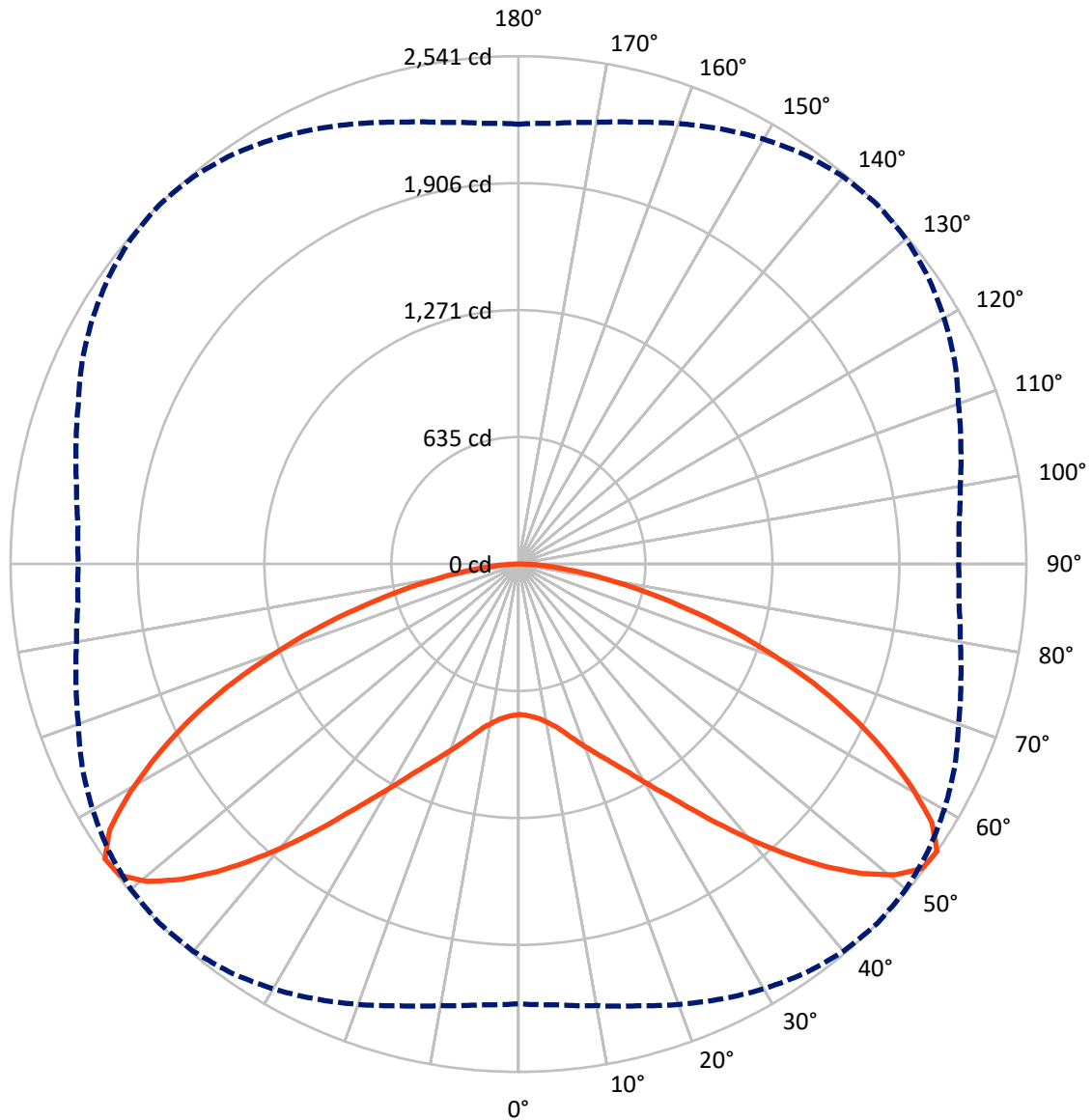


Based on 10 foot mounting height. Maximum calculated value = 8.3 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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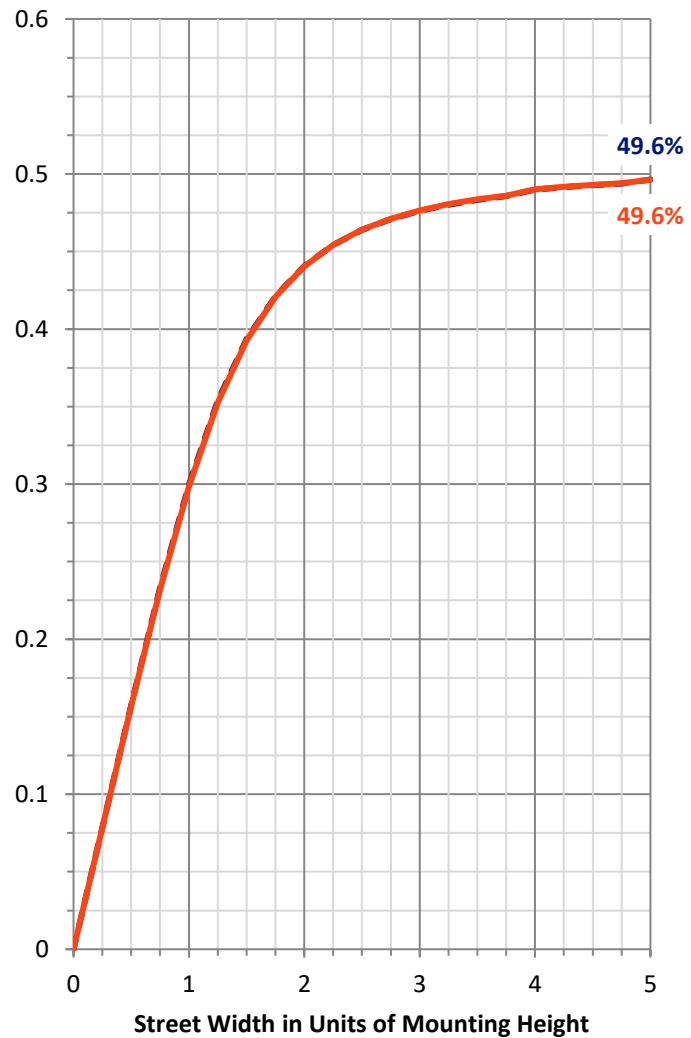
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4062.4	0.0	4062.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4062.4	0.0	4062.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	8124.8	0.0	8124.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.4	0.9
10°-20°	252.2	3.1
20°-30°	513.6	6.3
30°-40°	937.9	11.5
40°-50°	1592.6	19.6
50°-60°	2074.0	25.5
60°-70°	1677.4	20.6
70°-80°	824.3	10.1
80°-90°	178.4	2.2
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°	8124.8	100.0
0°-180°	8124.8	100.0



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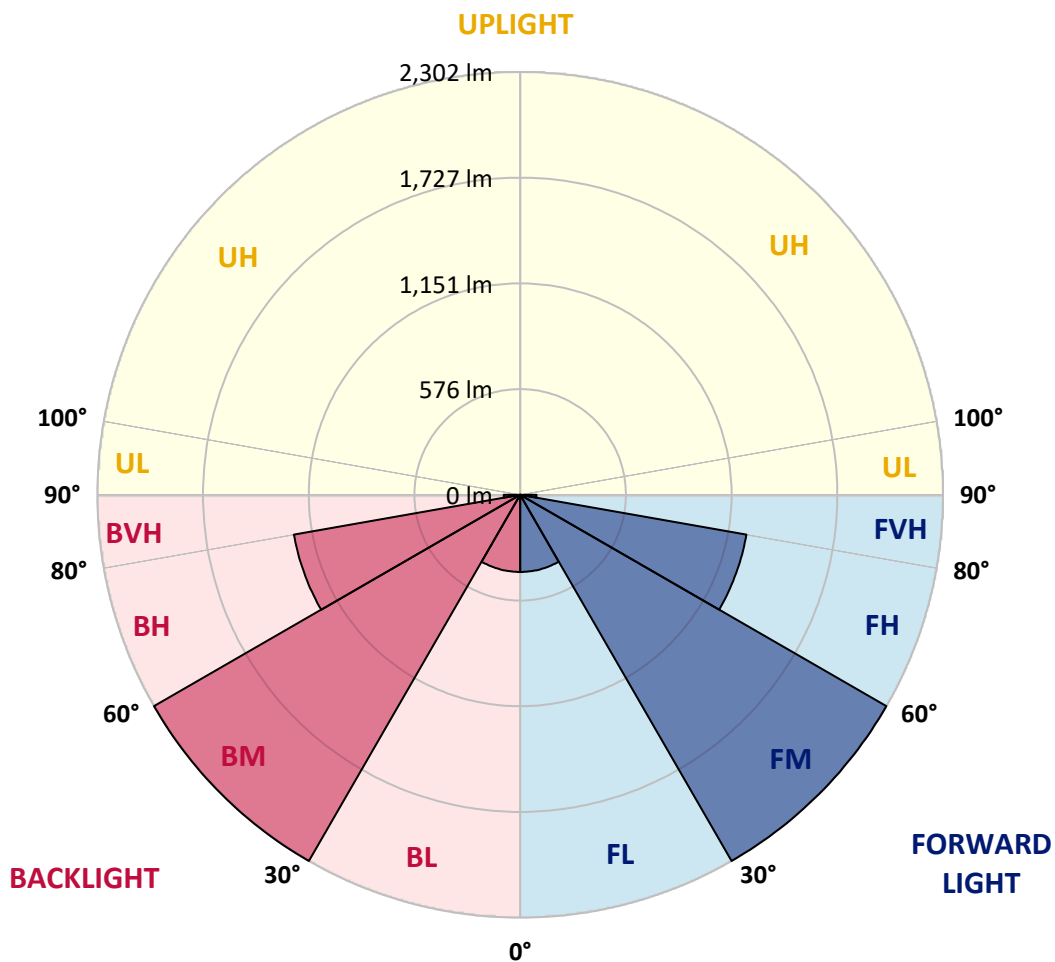
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	420.1	5.2			
FM	(30°-60°)	2302.3	28.3			
FH	(60°-80°)	1250.8	15.4			G1/1800
FVH	(80°-90°)	89.2	1.1			G1/100
BL	(0°-30°)	420.1	5.2	B1/500		
BM	(30°-60°)	2302.3	28.3	B2/2500		
BH	(60°-80°)	1250.8	15.4	B3/2500		G1/1800
BVH	(80°-90°)	89.2	1.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	752.9	752.9	752.9	752.9	752.9	752.9	752.9	752.9	752.9	752.9	752.9
2.5°	756.1	756.1	756.1	756.1	756.1	756.1	757.8	757.8	757.8	757.8	757.8
5°	766.1	766.1	766.1	767.8	767.8	767.8	767.8	767.8	767.8	767.8	767.8
7.5°	781.1	779.4	781.1	781.1	781.1	782.8	782.8	781.1	782.8	782.8	782.8
10°	802.7	801.0	802.7	802.7	802.7	804.4	804.4	804.4	804.4	806.1	806.1
12.5°	834.3	832.6	834.3	836.0	834.3	836.0	836.0	836.0	836.0	836.0	836.0
15°	874.2	872.5	874.2	875.8	874.2	877.5	877.5	875.8	875.8	877.5	877.5
17.5°	922.3	919.1	920.6	922.3	922.3	925.7	925.7	924.0	925.7	927.3	925.7
20°	972.1	968.9	970.6	975.5	975.5	977.2	980.5	978.9	980.5	982.2	980.5
22.5°	1027.0	1025.3	1027.0	1032.0	1032.0	1033.7	1038.6	1038.6	1038.6	1040.3	1038.6
25°	1086.9	1085.2	1086.9	1091.8	1091.8	1095.2	1101.8	1101.8	1103.5	1105.2	1103.5
27.5°	1156.7	1155.0	1158.3	1163.4	1165.1	1170.0	1178.3	1180.0	1181.6	1183.3	1180.0
30°	1238.2	1234.8	1239.7	1248.0	1251.4	1258.0	1268.1	1271.3	1273.0	1277.9	1274.7
32.5°	1331.1	1327.9	1334.5	1344.4	1349.5	1359.4	1372.8	1376.0	1380.9	1384.3	1379.4
35°	1440.8	1439.2	1445.9	1460.8	1469.2	1480.7	1499.1	1504.0	1507.4	1514.0	1507.4
37.5°	1562.1	1560.4	1572.2	1588.8	1603.8	1622.0	1641.9	1650.2	1655.3	1663.6	1655.3
40°	1696.8	1695.1	1710.0	1730.1	1748.3	1771.6	1796.6	1808.1	1818.1	1826.5	1816.4
42.5°	1834.8	1834.8	1853.0	1874.6	1901.3	1929.5	1957.7	1971.0	1987.6	1992.5	1981.0
45°	1967.7	1969.3	1987.6	2014.1	2052.4	2088.9	2120.5	2137.2	2155.4	2160.5	2145.5
47.5°	2094.0	2095.7	2112.2	2147.2	2190.4	2231.9	2270.1	2293.4	2311.6	2313.3	2301.7
50°	2197.0	2203.7	2225.3	2256.9	2301.7	2344.9	2391.5	2421.4	2439.6	2444.7	2433.0
52.5°	2237.0	2248.5	2273.5	2313.3	2364.8	2409.7	2461.2	2499.4	2521.0	2529.4	2519.5
55°	2200.3	2213.7	2243.6	2288.5	2344.9	2401.4	2454.6	2499.4	2529.4	2541.1	2531.1
57.5°	2118.8	2120.5	2150.5	2195.3	2246.8	2305.0	2356.5	2398.1	2426.3	2438.1	2436.4
60°	1977.6	1977.6	2006.0	2049.2	2088.9	2148.8	2192.1	2223.6	2243.6	2256.9	2253.5
62.5°	1788.2	1788.2	1813.0	1857.9	1897.9	1949.4	1991.0	2024.2	2037.4	2052.4	2055.8
65°	1577.1	1577.1	1600.4	1645.3	1681.8	1728.4	1768.2	1799.8	1813.0	1831.4	1828.0
67.5°	1352.7	1351.2	1372.8	1410.9	1445.9	1489.1	1527.3	1557.2	1572.2	1593.8	1578.8
70°	1121.7	1121.7	1140.1	1170.0	1194.8	1238.2	1274.7	1304.6	1316.2	1334.5	1326.2
72.5°	902.4	900.7	915.7	939.0	958.9	997.1	1018.7	1052.0	1061.9	1086.9	1073.6
75°	704.6	701.4	712.9	729.6	742.8	767.8	784.5	811.0	819.3	836.0	829.3
77.5°	530.2	528.5	533.4	545.1	555.0	575.1	581.7	594.9	601.6	618.2	605.0
80°	380.6	375.7	380.6	387.2	390.6	405.6	407.1	412.2	415.4	427.2	413.7
82.5°	256.0	249.4	252.6	257.5	257.5	265.9	267.6	265.9	272.5	275.9	269.3
85°	146.2	141.3	143.0	146.2	144.7	149.6	149.6	147.9	152.8	152.8	149.6
87.5°	48.3	44.9	46.6	48.3	48.3	49.8	51.5	49.8	53.2	53.2	49.8
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°	752.9	752.9	752.9	752.9	752.9	752.9	752.9	752.9
2.5°	757.8	757.8	757.8	757.8	757.8	757.8	757.8	757.8
5°	767.8	767.8	767.8	767.8	767.8	766.1	766.1	766.1
7.5°	782.8	782.8	782.8	782.8	782.8	781.1	781.1	781.1
10°	806.1	804.4	804.4	804.4	804.4	802.7	804.4	802.7
12.5°	836.0	837.5	837.5	836.0	837.5	834.3	834.3	834.3
15°	877.5	875.8	875.8	875.8	875.8	874.2	874.2	874.2
17.5°	924.0	924.0	922.3	922.3	920.6	919.1	919.1	919.1
20°	978.9	977.2	975.5	973.8	972.1	968.9	967.2	967.2
22.5°	1035.4	1033.7	1032.0	1030.4	1028.7	1025.3	1022.1	1022.1
25°	1098.4	1095.2	1093.5	1090.3	1086.9	1083.5	1081.9	1080.2
27.5°	1174.9	1171.7	1166.6	1161.7	1155.0	1153.3	1150.1	1150.1
30°	1266.4	1261.4	1254.6	1246.5	1239.7	1233.1	1229.8	1228.1
32.5°	1372.8	1366.2	1354.4	1344.4	1332.8	1326.2	1321.3	1317.9
35°	1497.4	1487.4	1474.1	1459.1	1444.2	1432.6	1424.3	1424.3
37.5°	1643.6	1628.6	1608.7	1590.4	1568.8	1555.5	1545.5	1538.9
40°	1803.2	1781.6	1756.6	1733.3	1708.5	1690.1	1675.2	1676.9
42.5°	1961.1	1942.7	1912.8	1884.6	1853.0	1828.0	1809.8	1808.1
45°	2127.2	2103.9	2067.3	2030.8	1994.2	1964.3	1942.7	1939.3
47.5°	2281.7	2256.9	2213.7	2168.8	2128.9	2095.7	2072.4	2069.0
50°	2408.2	2378.2	2333.4	2285.1	2241.9	2205.4	2180.4	2173.7
52.5°	2489.6	2456.3	2408.2	2349.9	2303.4	2261.8	2231.9	2223.6
55°	2502.8	2459.7	2408.2	2343.2	2291.7	2245.1	2212.0	2202.0
57.5°	2411.4	2364.8	2318.4	2261.8	2210.3	2160.5	2133.8	2120.5
60°	2233.6	2197.0	2158.8	2107.3	2065.8	2019.2	1997.6	1991.0
62.5°	2029.1	1997.6	1962.6	1909.6	1874.6	1833.1	1813.0	1804.9
65°	1809.8	1773.3	1740.0	1696.8	1658.5	1623.7	1595.5	1592.1
67.5°	1567.1	1529.0	1500.6	1462.5	1424.3	1391.0	1372.8	1362.8
70°	1311.3	1279.6	1251.4	1209.8	1185.0	1153.3	1140.1	1130.0
72.5°	1057.0	1038.6	1003.8	977.2	949.0	924.0	915.7	905.7
75°	817.6	796.0	769.5	752.9	731.3	718.0	711.2	704.6
77.5°	599.9	581.7	566.7	560.1	550.1	536.8	531.9	526.8
80°	415.4	407.1	397.3	395.6	388.9	378.9	377.2	375.7
82.5°	269.3	264.3	260.9	260.9	257.5	250.9	249.4	249.4
85°	149.6	147.9	149.6	147.9	144.7	141.3	141.3	141.3
87.5°	49.8	49.8	51.5	53.2	48.3	48.3	46.6	46.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)