

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: P197916

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P197916  
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-C6-LED-E1-5WQ-PM-SG-MS/DIM-7060  
Description: TOPTIER LED AREA/SITE LUMINAIRE  
WIDE DISTRIBUTION WITH SOFTENING 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: 10307.9 lumens  
Efficiency: N/A  
Efficacy: 95.4 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

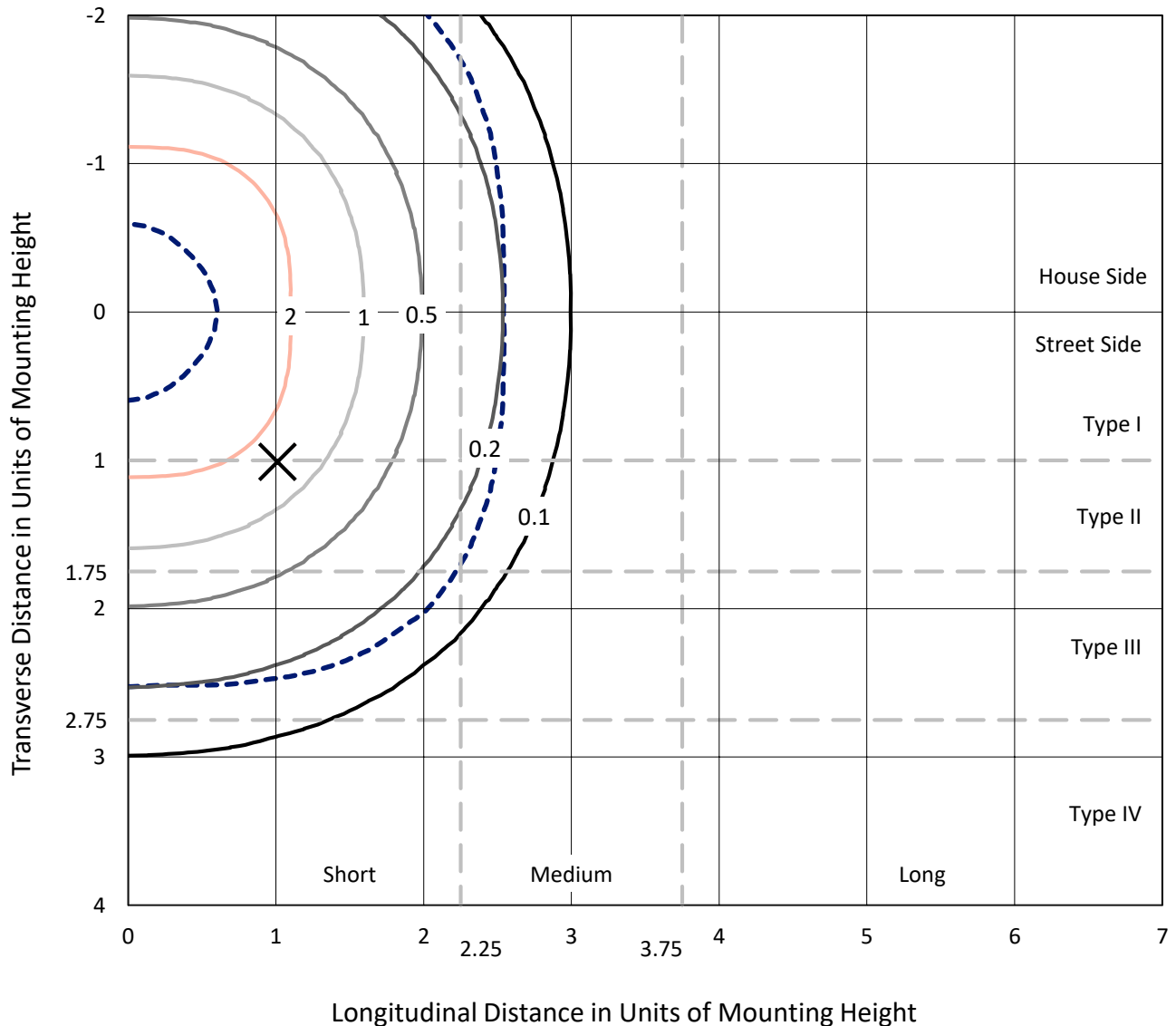


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

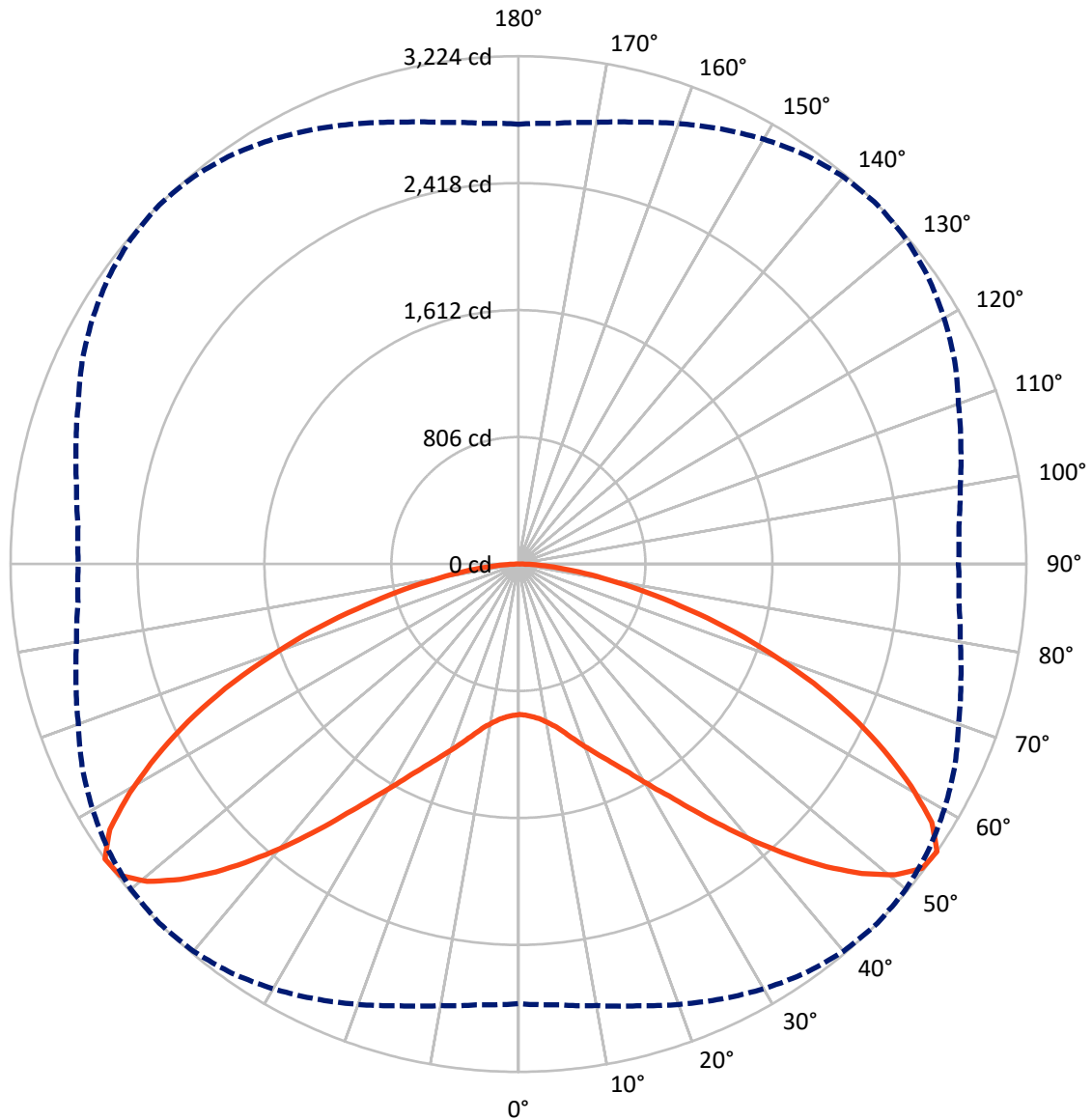


Based on 20 foot mounting height. Maximum calculated value = 2.6 fc  
 Type V - Short - Full Cutoff

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### Luminous Intensity Polar Plot



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

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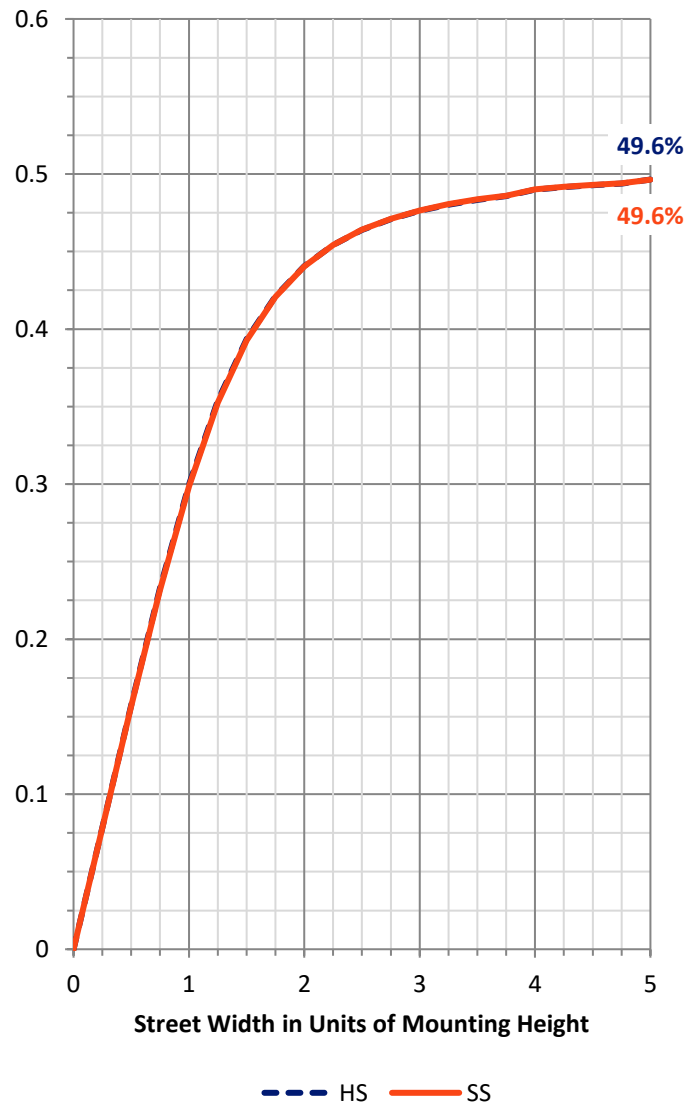
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5154.0	0.0	5154.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5154.0	0.0	5154.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10307.9	0.0	10307.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	94.4	0.9
10°-20°	320.0	3.1
20°-30°	651.6	6.3
30°-40°	1190.0	11.5
40°-50°	2020.5	19.6
50°-60°	2631.3	25.5
60°-70°	2128.1	20.6
70°-80°	1045.8	10.1
80°-90°	226.4	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°	10307.9	100.0
0°-180°	10307.9	100.0



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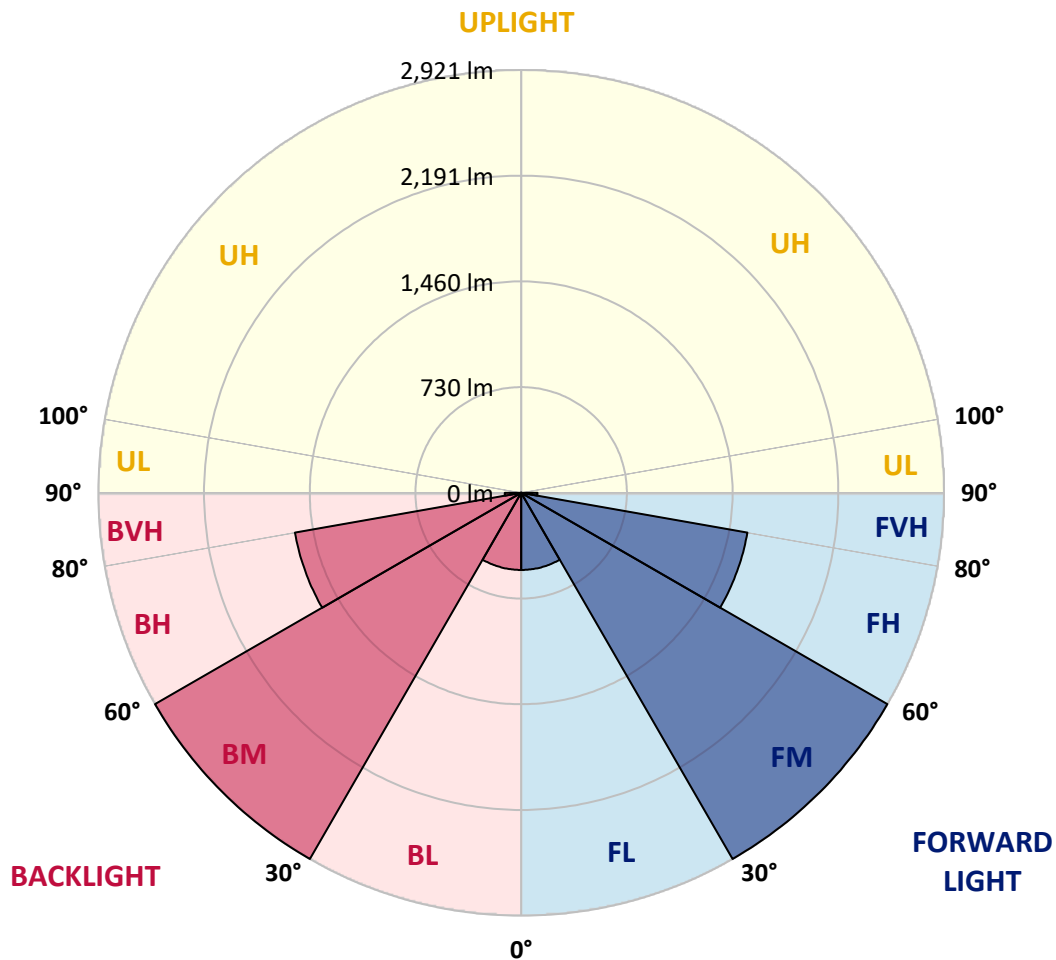
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	533.0	5.2			
FM	(30°-60°)	2920.9	28.3			
FH	(60°-80°)	1586.9	15.4			G1/1800
FVH	(80°-90°)	113.2	1.1			G2/225
BL	(0°-30°)	533.0	5.2	B2/1000		
BM	(30°-60°)	2920.9	28.3	B3/5000		
BH	(60°-80°)	1586.9	15.4	B3/2500		G1/1800
BVH	(80°-90°)	113.2	1.1			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°	955.2	955.2	955.2	955.2	955.2	955.2	955.2	955.2	955.2	955.2	955.2
2.5°	959.2	959.2	959.2	959.2	959.2	959.2	961.4	961.4	961.4	961.4	961.4
5°	972.0	972.0	972.0	974.1	974.1	974.1	974.1	974.1	974.1	974.1	974.1
7.5°	991.0	988.8	991.0	991.0	991.0	993.1	993.1	991.0	993.1	993.1	993.1
10°	1018.3	1016.2	1018.3	1018.3	1018.3	1020.5	1020.5	1020.5	1020.5	1022.7	1022.7
12.5°	1058.5	1056.3	1058.5	1060.6	1058.5	1060.6	1060.6	1060.6	1060.6	1060.6	1060.6
15°	1109.1	1107.0	1109.1	1111.1	1109.1	1113.2	1113.2	1111.1	1111.1	1113.2	1113.2
17.5°	1170.2	1166.1	1168.0	1170.2	1170.2	1174.5	1174.5	1172.3	1174.5	1176.4	1174.5
20°	1233.4	1229.3	1231.4	1237.7	1237.7	1239.8	1243.9	1242.0	1243.9	1246.1	1243.9
22.5°	1303.0	1300.9	1303.0	1309.3	1309.3	1311.4	1317.7	1317.7	1317.7	1319.8	1317.7
25°	1378.9	1376.8	1378.9	1385.2	1385.2	1389.5	1397.9	1397.9	1400.1	1402.2	1400.1
27.5°	1467.6	1465.4	1469.5	1476.0	1478.1	1484.4	1494.9	1497.1	1499.0	1501.2	1497.1
30°	1570.9	1566.5	1572.8	1583.4	1587.7	1596.1	1608.8	1612.9	1615.1	1621.3	1617.2
32.5°	1688.8	1684.7	1693.1	1705.6	1712.1	1724.6	1741.7	1745.8	1752.0	1756.3	1750.1
35°	1827.9	1826.0	1834.4	1853.4	1863.9	1878.6	1901.9	1908.1	1912.5	1920.9	1912.5
37.5°	1981.9	1979.7	1994.6	2015.8	2034.7	2057.8	2083.0	2093.6	2100.1	2110.7	2100.1
40°	2152.7	2150.5	2169.5	2195.0	2218.0	2247.6	2279.3	2294.0	2306.7	2317.3	2304.5
42.5°	2327.8	2327.8	2350.9	2378.3	2412.1	2447.9	2483.7	2500.6	2521.7	2528.0	2513.3
45°	2496.5	2498.4	2521.7	2555.3	2603.9	2650.2	2690.3	2711.5	2734.6	2741.0	2722.0
47.5°	2656.7	2658.9	2679.8	2724.2	2779.0	2831.6	2880.1	2909.7	2932.7	2934.9	2920.2
50°	2787.4	2795.8	2823.2	2863.3	2920.2	2975.0	3034.1	3072.1	3095.1	3101.6	3086.7
52.5°	2838.1	2852.7	2884.4	2934.9	3000.2	3057.2	3122.5	3171.0	3198.4	3209.0	3196.5
55°	2791.5	2808.5	2846.5	2903.4	2975.0	3046.6	3114.1	3171.0	3209.0	3223.9	3211.2
57.5°	2688.2	2690.3	2728.3	2785.2	2850.6	2924.3	2989.7	3042.5	3078.3	3093.2	3091.0
60°	2509.0	2509.0	2545.0	2599.8	2650.2	2726.1	2781.1	2821.0	2846.5	2863.3	2859.0
62.5°	2268.7	2268.7	2300.2	2357.1	2407.8	2473.2	2526.0	2568.1	2584.9	2603.9	2608.2
65°	2000.9	2000.9	2030.4	2087.4	2133.7	2192.8	2243.3	2283.4	2300.2	2323.5	2319.2
67.5°	1716.2	1714.3	1741.7	1790.0	1834.4	1889.2	1937.7	1975.6	1994.6	2022.0	2003.0
70°	1423.1	1423.1	1446.4	1484.4	1515.9	1570.9	1617.2	1655.2	1669.8	1693.1	1682.6
72.5°	1144.9	1142.8	1161.8	1191.3	1216.5	1265.1	1292.4	1334.7	1347.2	1378.9	1362.1
75°	893.9	889.8	904.5	925.6	942.4	974.1	995.3	1028.9	1039.5	1060.6	1052.2
77.5°	672.6	670.5	676.7	691.6	704.1	729.6	738.0	754.8	763.2	784.4	767.5
80°	482.9	476.6	482.9	491.3	495.6	514.6	516.5	523.0	527.1	542.0	524.9
82.5°	324.8	316.4	320.5	326.7	326.7	337.3	339.4	337.3	345.7	350.0	341.6
85°	185.5	179.2	181.4	185.5	183.5	189.8	189.8	187.6	193.9	193.9	189.8
87.5°	61.2	56.9	59.1	61.2	61.2	63.2	65.3	63.2	67.5	67.5	63.2
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°	955.2	955.2	955.2	955.2	955.2	955.2	955.2	955.2
2.5°	961.4	961.4	961.4	961.4	961.4	961.4	961.4	961.4
5°	974.1	974.1	974.1	974.1	974.1	972.0	972.0	972.0
7.5°	993.1	993.1	993.1	993.1	993.1	991.0	991.0	991.0
10°	1022.7	1020.5	1020.5	1020.5	1020.5	1018.3	1020.5	1018.3
12.5°	1060.6	1062.6	1062.6	1060.6	1062.6	1058.5	1058.5	1058.5
15°	1113.2	1111.1	1111.1	1111.1	1111.1	1109.1	1109.1	1109.1
17.5°	1172.3	1172.3	1170.2	1170.2	1168.0	1166.1	1166.1	1166.1
20°	1242.0	1239.8	1237.7	1235.5	1233.4	1229.3	1227.1	1227.1
22.5°	1313.6	1311.4	1309.3	1307.3	1305.2	1300.9	1296.8	1296.8
25°	1393.6	1389.5	1387.3	1383.2	1378.9	1374.6	1372.7	1370.5
27.5°	1490.6	1486.5	1480.1	1473.8	1465.4	1463.2	1459.1	1459.1
30°	1606.7	1600.4	1591.8	1581.4	1572.8	1564.4	1560.3	1558.1
32.5°	1741.7	1733.2	1718.4	1705.6	1691.0	1682.6	1676.3	1672.0
35°	1899.7	1887.0	1870.2	1851.2	1832.2	1817.6	1807.0	1807.0
37.5°	2085.2	2066.2	2041.0	2017.7	1990.3	1973.5	1960.8	1952.4
40°	2287.7	2260.3	2228.6	2199.1	2167.6	2144.3	2125.3	2127.5
42.5°	2488.1	2464.8	2426.8	2391.0	2350.9	2319.2	2296.1	2294.0
45°	2698.8	2669.2	2622.8	2576.5	2530.1	2492.2	2464.8	2460.4
47.5°	2894.8	2863.3	2808.5	2751.6	2700.9	2658.9	2629.3	2625.0
50°	3055.2	3017.3	2960.3	2899.1	2844.3	2798.0	2766.3	2757.8
52.5°	3158.5	3116.3	3055.2	2981.3	2922.4	2869.6	2831.6	2821.0
55°	3175.4	3120.6	3055.2	2972.9	2907.5	2848.4	2806.4	2793.6
57.5°	3059.3	3000.2	2941.4	2869.6	2804.2	2741.0	2707.2	2690.3
60°	2833.8	2787.4	2738.9	2673.5	2620.9	2561.8	2534.4	2526.0
62.5°	2574.3	2534.4	2490.0	2422.7	2378.3	2325.7	2300.2	2289.9
65°	2296.1	2249.8	2207.5	2152.7	2104.2	2060.0	2024.2	2019.9
67.5°	1988.2	1939.8	1903.8	1855.5	1807.0	1764.7	1741.7	1728.9
70°	1663.6	1623.5	1587.7	1534.8	1503.4	1463.2	1446.4	1433.7
72.5°	1341.0	1317.7	1273.5	1239.8	1204.0	1172.3	1161.8	1149.0
75°	1037.3	1009.9	976.3	955.2	927.8	910.9	902.3	893.9
77.5°	761.1	738.0	719.0	710.6	697.9	681.1	674.8	668.3
80°	527.1	516.5	504.0	501.8	493.4	480.7	478.5	476.6
82.5°	341.6	335.3	331.0	331.0	326.7	318.3	316.4	316.4
85°	189.8	187.6	189.8	187.6	183.5	179.2	179.2	179.2
87.5°	63.2	63.2	65.3	67.5	61.2	61.2	59.1	59.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)