

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: P197770

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197770
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115468)
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-MS/DIM
Description: TOPTIER LED AREA/SITE LUMINAIRE
WIDE DISTRIBUTION WITH DIMMING OCCUPANCY SENSOR
Light Source: (160) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11088.8 lumens
Efficiency: N/A
Efficacy: 102.7 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

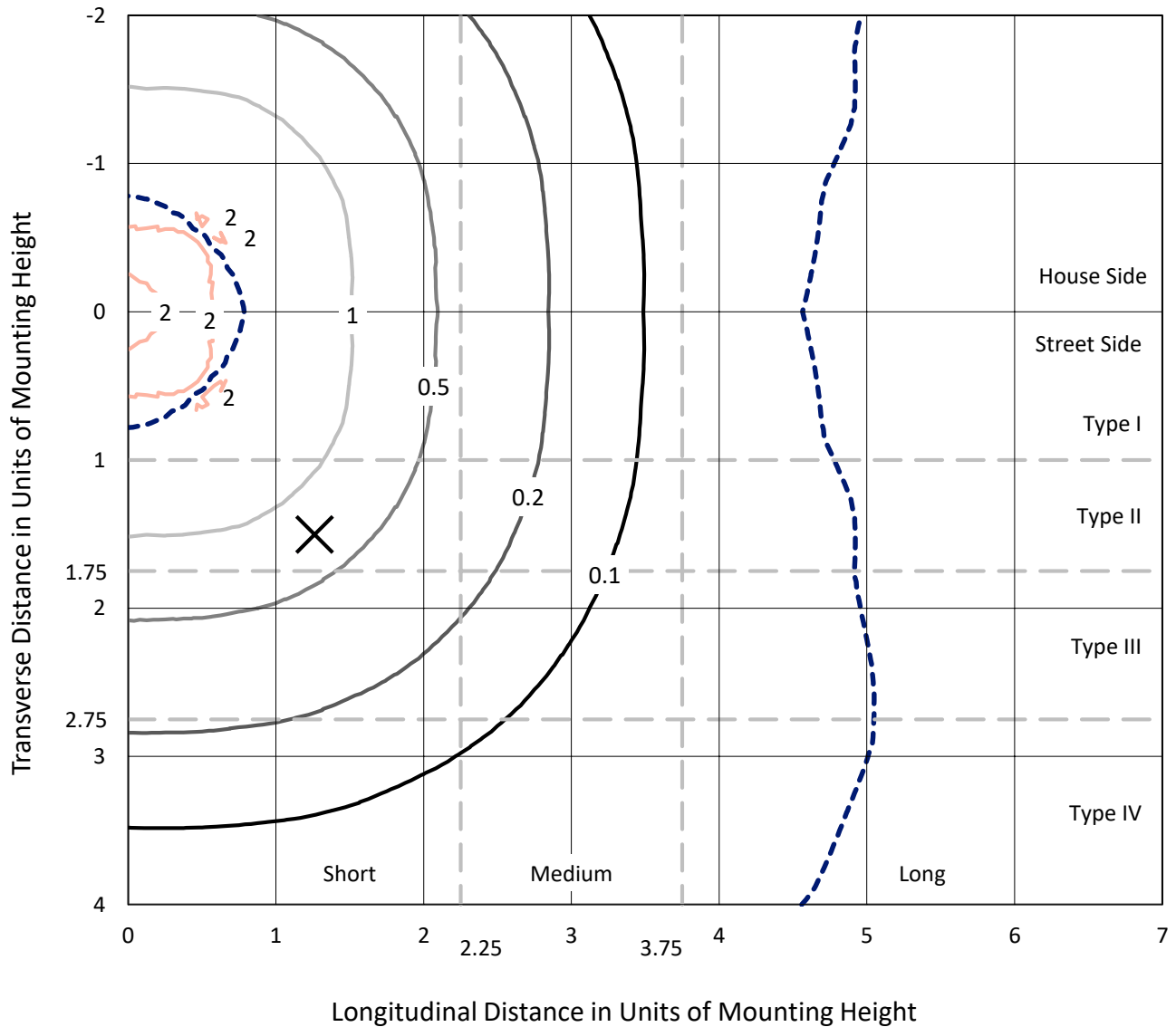
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

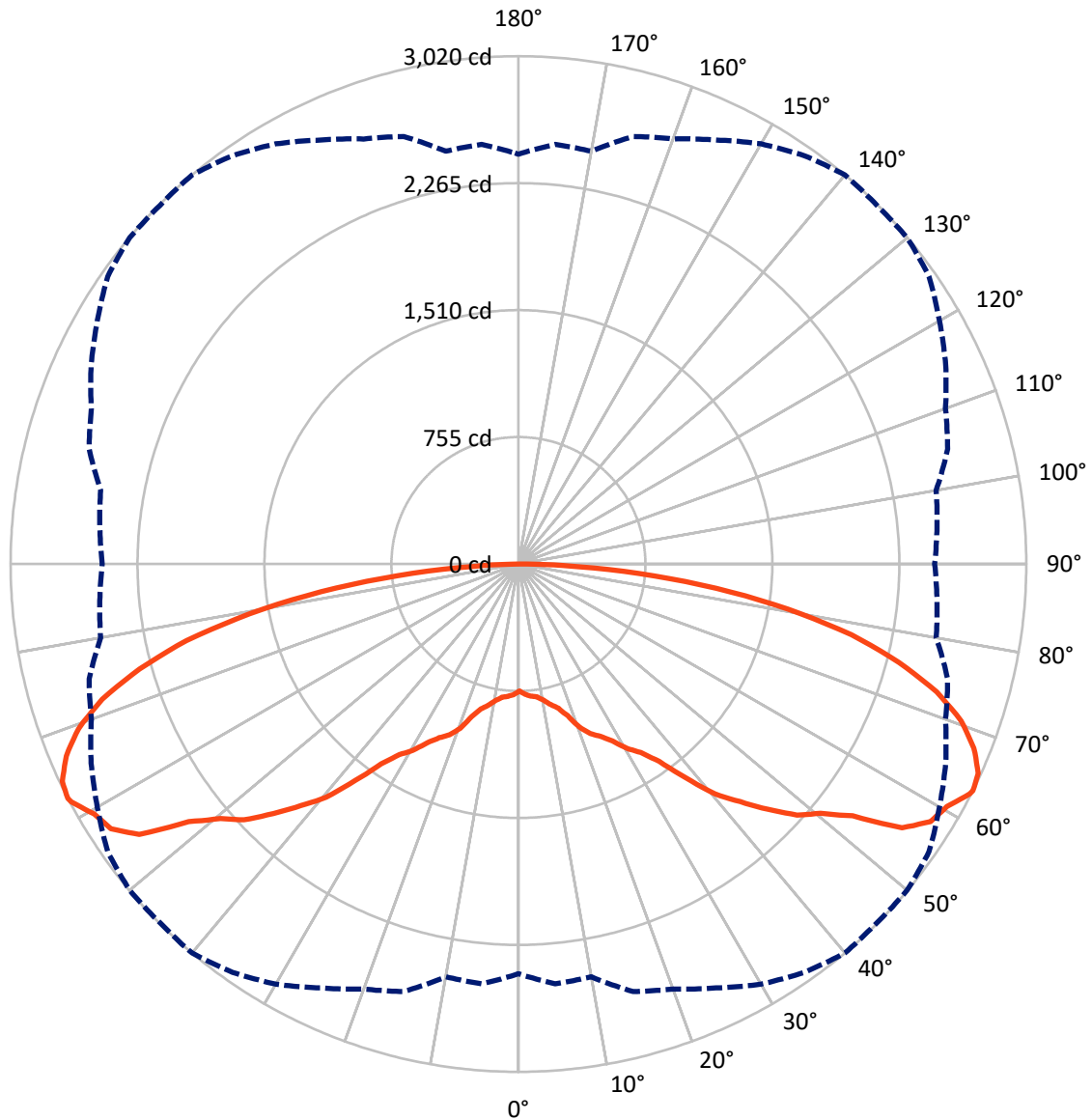
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.1 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 63-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5544.4	0.0	5544.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5544.4	0.0	5544.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	11088.8	0.0	11088.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.2	0.7
10°-20°	259.1	2.3
20°-30°	526.7	4.7
30°-40°	907.7	8.2
40°-50°	1529.1	13.8
50°-60°	2251.6	20.3
60°-70°	2677.5	24.1
70°-80°	2167.5	19.5
80°-90°	693.5	6.3
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°	11088.8	100.0
0°-180°	11088.8	100.0



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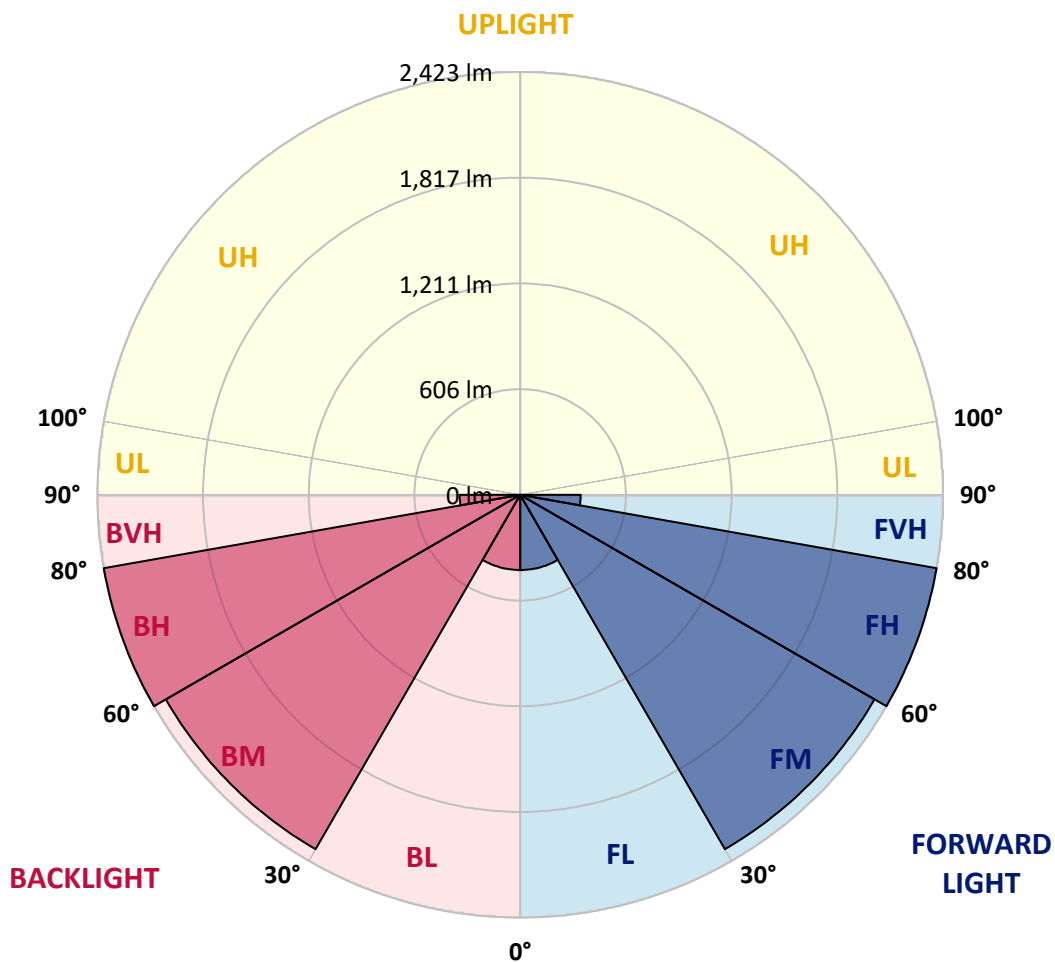
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	431.0	3.9			
FM	(30°-60°)	2344.2	21.1			
FH	(60°-80°)	2422.5	21.8			G2/5000
FVH	(80°-90°)	346.7	3.1			G3/500
BL	(0°-30°)	431.0	3.9	B1/500		
BM	(30°-60°)	2344.2	21.1	B2/2500		
BH	(60°-80°)	2422.5	21.8	B3/2500		G2/5000
BVH	(80°-90°)	346.7	3.1			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	754.9	754.9	754.9	754.9	754.9	754.9	754.9	754.9	754.9	754.9	754.9
2.5°	778.6	778.6	778.6	778.6	778.6	778.6	776.4	778.6	776.4	776.4	776.4
5°	793.5	793.5	793.5	793.5	791.5	791.5	789.3	789.3	789.3	787.1	789.3
7.5°	800.1	800.1	800.1	800.1	797.9	797.9	797.9	797.9	797.9	797.9	797.9
10°	815.0	815.0	817.2	819.4	823.6	823.6	823.6	825.8	823.6	823.6	823.6
12.5°	847.3	845.1	849.5	853.6	858.0	860.0	860.0	860.0	858.0	858.0	860.0
15°	892.2	888.1	890.0	892.2	894.4	896.6	896.6	894.4	890.0	890.0	890.0
17.5°	950.1	943.8	941.6	939.4	939.4	943.8	948.0	946.0	948.0	946.0	948.0
20°	1018.8	1014.4	1014.4	1014.4	1016.6	1025.2	1033.7	1038.1	1035.9	1031.8	1038.1
22.5°	1063.8	1066.0	1076.7	1074.5	1072.3	1080.9	1091.6	1100.2	1096.0	1089.7	1093.8
25°	1113.1	1113.1	1128.3	1134.6	1128.3	1128.3	1132.5	1138.8	1134.6	1130.3	1134.6
27.5°	1168.9	1168.9	1175.5	1181.8	1177.4	1177.4	1184.0	1194.8	1192.6	1190.4	1192.6
30°	1235.3	1226.8	1220.4	1231.2	1241.9	1244.1	1250.5	1267.6	1272.0	1269.8	1274.0
32.5°	1297.6	1284.7	1289.1	1295.5	1319.1	1327.7	1325.5	1338.5	1336.3	1329.9	1338.5
35°	1357.8	1372.7	1381.2	1394.2	1402.7	1413.5	1413.5	1437.0	1441.3	1435.0	1441.3
37.5°	1473.6	1480.0	1503.7	1505.6	1516.4	1557.2	1561.3	1593.6	1610.7	1602.2	1604.3
40°	1632.2	1630.0	1647.3	1673.0	1694.5	1745.8	1761.0	1782.3	1797.4	1791.0	1799.6
42.5°	1761.0	1743.9	1756.6	1812.3	1836.0	1874.6	1893.9	1904.7	1932.5	1924.0	1934.7
45°	1853.1	1859.5	1876.8	1932.5	1947.5	1979.7	2024.7	2044.0	2080.4	2069.9	2076.2
47.5°	1943.3	1973.3	1988.3	2013.9	2061.1	2104.1	2159.8	2179.1	2230.7	2226.3	2219.9
50°	2061.1	2084.8	2101.9	2121.2	2185.7	2256.4	2303.5	2312.1	2329.4	2316.5	2338.0
52.5°	2187.7	2185.7	2200.6	2254.2	2344.3	2372.2	2413.0	2451.6	2488.0	2501.0	2488.0
55°	2355.1	2301.3	2363.6	2440.9	2479.5	2545.9	2644.7	2698.2	2769.1	2779.8	2758.3
57.5°	2423.7	2423.7	2488.0	2533.0	2603.9	2721.9	2827.0	2852.6	2889.1	2869.7	2891.2
60°	2415.2	2496.6	2496.6	2576.0	2691.8	2796.9	2835.5	2878.3	2927.7	2925.7	2925.7
62.5°	2425.9	2505.1	2483.6	2621.0	2691.8	2777.6	2863.4	2942.8	3011.5	3009.3	3007.1
63°	2436.5	2505.1	2492.4	2631.7	2689.6	2781.8	2884.9	2964.1	3020.0	3015.6	3017.8
65°	2468.7	2449.4	2526.6	2614.6	2681.1	2818.4	2904.2	2966.3	3004.9	3002.7	3002.7
67.5°	2408.6	2363.6	2473.1	2507.3	2633.9	2756.1	2822.6	2893.4	2921.3	2921.3	2916.9
70°	2224.3	2243.4	2318.7	2374.4	2502.9	2612.4	2668.1	2758.3	2792.5	2792.5	2790.6
72.5°	2037.6	2069.9	2121.2	2200.6	2322.8	2408.6	2475.1	2556.7	2601.7	2599.5	2599.5
75°	1799.6	1829.7	1889.5	1964.8	2071.9	2155.7	2209.2	2286.4	2338.0	2357.3	2335.8
77.5°	1531.5	1540.1	1595.8	1673.0	1767.3	1825.3	1906.9	1981.9	2024.7	2022.5	2016.1
80°	1205.5	1216.0	1263.4	1351.2	1402.7	1471.4	1546.4	1587.2	1623.7	1623.7	1619.3
82.5°	832.1	855.8	903.0	960.9	1014.4	1074.5	1115.3	1156.1	1186.2	1184.0	1177.4
85°	469.7	480.4	525.4	562.1	602.6	641.3	669.1	695.0	720.7	720.7	716.3
87.5°	141.5	126.6	152.3	167.4	188.7	208.0	220.9	246.6	263.9	244.6	244.6
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°	754.9	754.9	754.9	754.9	754.9	754.9	754.9	754.9
2.5°	778.6	778.6	778.6	778.6	778.6	778.6	778.6	778.6
5°	789.3	791.5	791.5	793.5	793.5	793.5	793.5	793.5
7.5°	797.9	797.9	797.9	797.9	800.1	800.1	800.1	800.1
10°	823.6	825.8	823.6	823.6	819.4	817.2	817.2	817.2
12.5°	860.0	862.2	862.2	858.0	853.6	849.5	847.3	845.1
15°	894.4	900.8	896.6	894.4	890.0	892.2	892.2	894.4
17.5°	948.0	950.1	943.8	939.4	937.2	941.6	946.0	948.0
20°	1040.3	1035.9	1023.2	1018.8	1014.4	1014.4	1018.8	1018.8
22.5°	1098.2	1087.5	1078.9	1074.5	1074.5	1074.5	1068.2	1059.6
25°	1138.8	1132.5	1126.1	1130.3	1134.6	1128.3	1113.1	1111.0
27.5°	1194.8	1181.8	1179.6	1177.4	1179.6	1175.5	1173.3	1164.7
30°	1267.6	1250.5	1246.1	1241.9	1229.0	1224.8	1229.0	1235.3
32.5°	1336.3	1325.5	1329.9	1321.1	1297.6	1289.1	1293.3	1291.3
35°	1435.0	1415.7	1415.7	1398.3	1392.0	1389.8	1372.7	1357.8
37.5°	1591.4	1565.7	1559.4	1520.8	1503.7	1507.8	1484.3	1467.0
40°	1782.3	1763.2	1745.8	1703.1	1679.4	1649.3	1634.4	1634.4
42.5°	1908.9	1896.1	1872.4	1842.4	1816.7	1765.2	1745.8	1756.6
45°	2048.4	2031.3	1981.9	1951.8	1928.2	1891.7	1870.2	1849.0
47.5°	2189.9	2166.4	2108.5	2069.9	2013.9	2003.2	1979.7	1949.7
50°	2314.3	2305.7	2264.9	2200.6	2129.8	2112.7	2091.2	2063.3
52.5°	2466.5	2415.2	2380.7	2352.9	2273.5	2217.7	2187.7	2200.6
55°	2715.3	2651.0	2563.1	2475.1	2458.0	2391.5	2316.5	2357.3
57.5°	2859.0	2822.6	2756.1	2616.8	2548.1	2502.9	2453.8	2417.2
60°	2893.4	2827.0	2811.8	2706.7	2597.5	2502.9	2522.2	2436.5
62.5°	2959.9	2869.7	2786.2	2702.6	2636.1	2507.3	2502.9	2458.0
63°	2981.4	2891.2	2803.3	2702.6	2642.5	2522.2	2498.8	2475.1
65°	2977.0	2899.8	2833.3	2702.6	2612.4	2565.2	2449.4	2502.9
67.5°	2895.6	2831.1	2753.9	2664.0	2513.7	2477.3	2395.9	2406.6
70°	2764.7	2681.1	2608.2	2524.4	2404.4	2320.6	2271.5	2230.7
72.5°	2560.9	2485.8	2408.6	2331.4	2224.3	2123.4	2089.2	2044.0
75°	2290.8	2217.7	2147.1	2074.0	1973.3	1883.2	1846.8	1814.5
77.5°	1981.9	1919.6	1818.9	1750.2	1692.3	1595.8	1561.3	1527.1
80°	1580.7	1550.8	1477.8	1387.8	1357.8	1263.4	1237.5	1192.6
82.5°	1149.6	1119.5	1061.6	999.5	963.1	913.7	870.7	840.7
85°	701.4	669.1	639.1	583.3	562.1	525.4	491.2	474.1
87.5°	253.2	227.3	203.8	177.9	165.2	139.3	135.1	122.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)