

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: P197746

Luminaire Tested: **TT-C6-LED-E1-WQ-LWR-LW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197746
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115483)
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-WQ-LWR-LW
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
WIDE DISTRIBUTION WITH LumaWatt WIRELESS SENSOR
Light Source: (160) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10359.7 lumens
Efficiency: N/A
Efficacy: 95.9 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

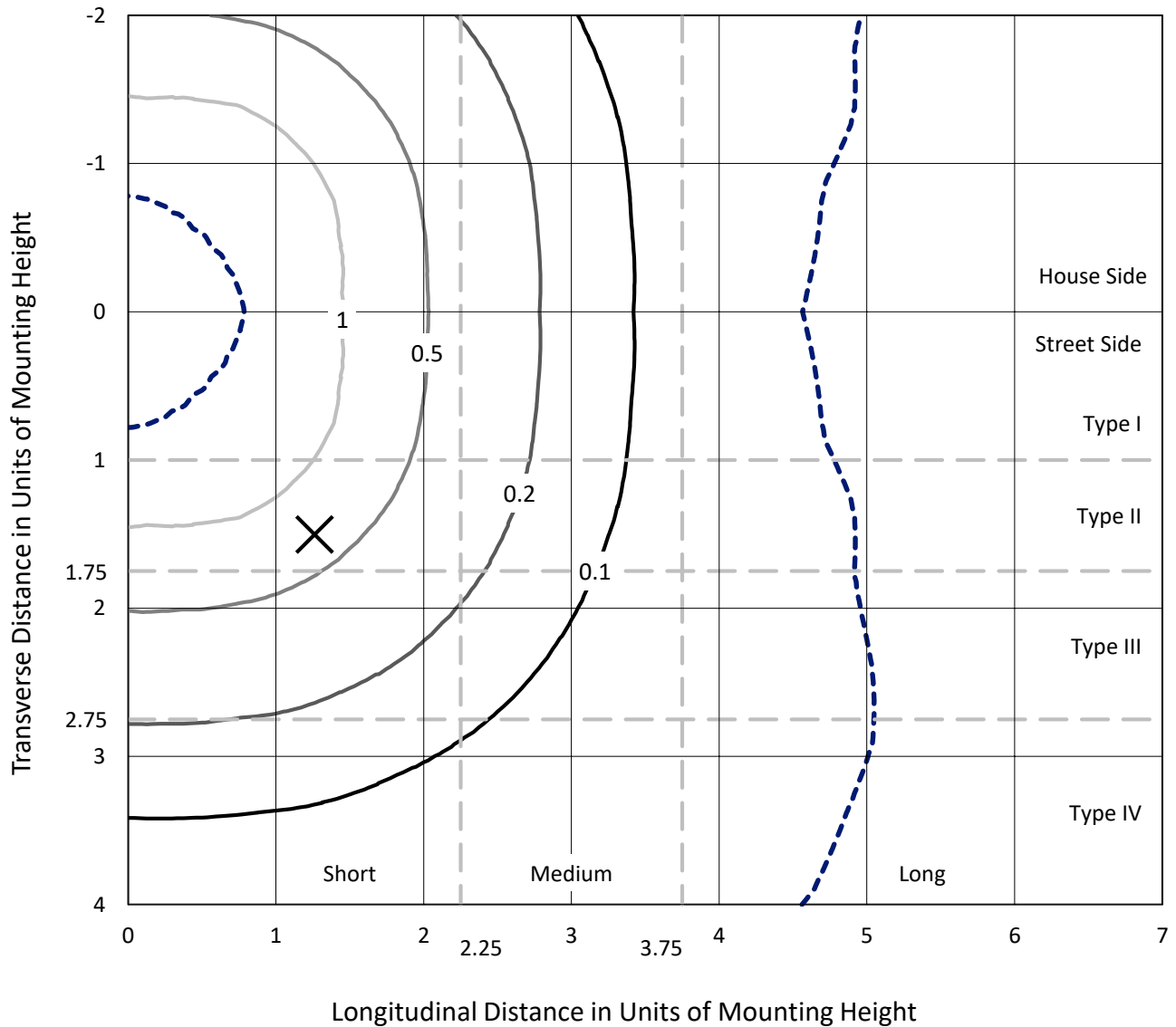


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Iso-Footcandle Lines of Horizontal Illumination

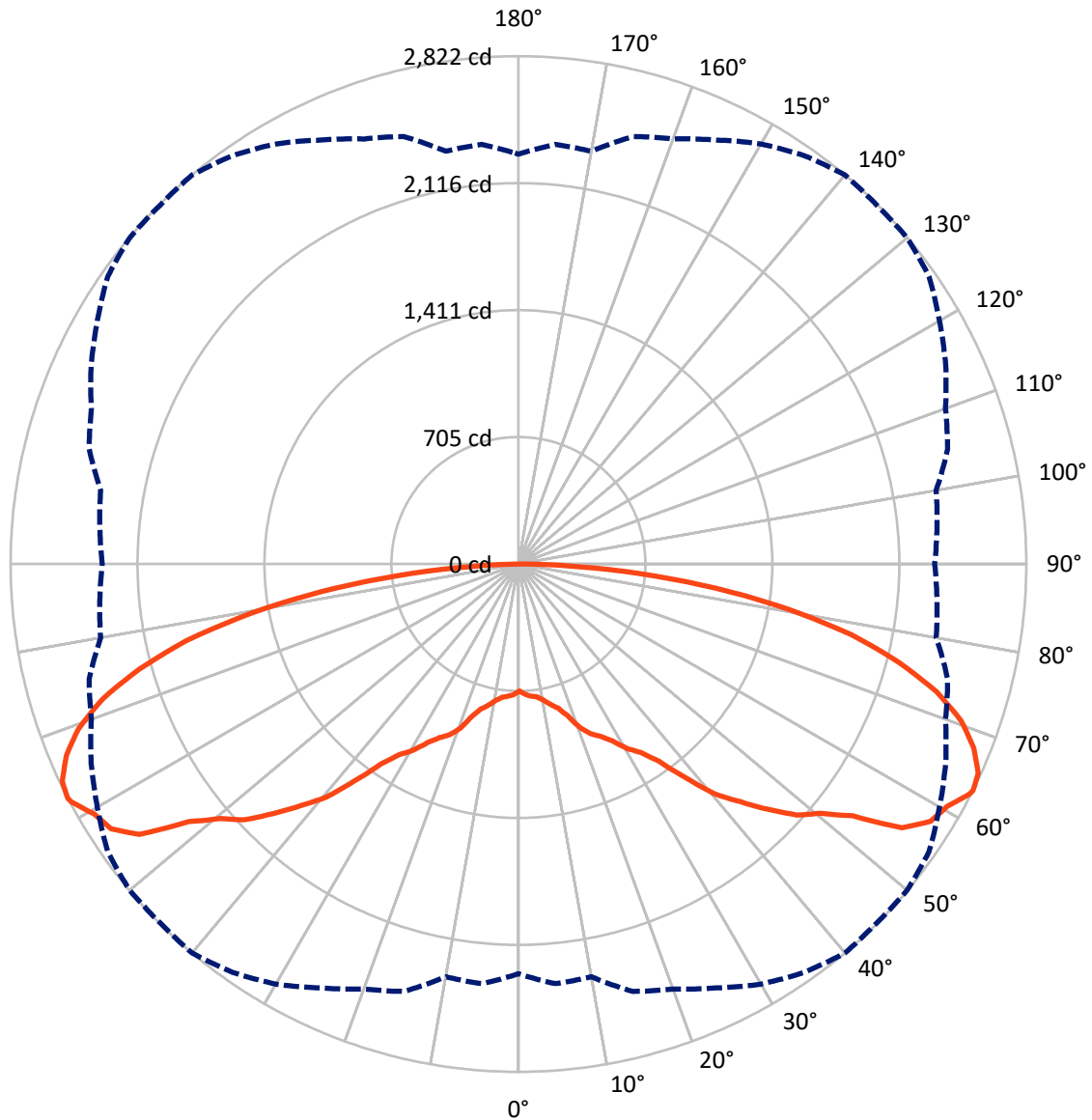
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2 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	5179.9	0.0	5179.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5179.9	0.0	5179.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	10359.7	0.0	10359.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.2	0.7
10°-20°	242.0	2.3
20°-30°	492.1	4.7
30°-40°	848.0	8.2
40°-50°	1428.5	13.8
50°-60°	2103.6	20.3
60°-70°	2501.5	24.1
70°-80°	2025.0	19.5
80°-90°	647.9	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°	10359.7	100.0
0°-180°	10359.7	100.0



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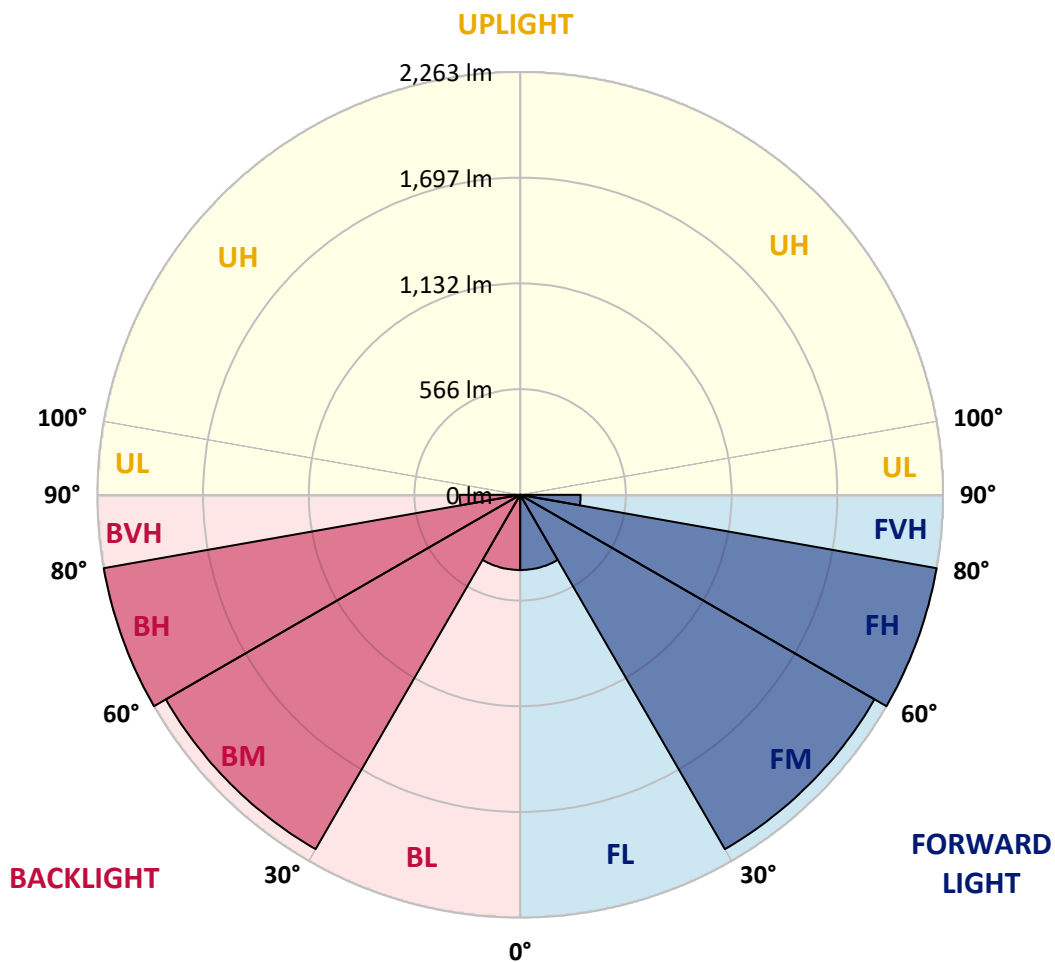
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	402.6	3.9			
FM	(30°-60°)	2190.1	21.1			
FH	(60°-80°)	2263.2	21.8			G2/5000
FVH	(80°-90°)	323.9	3.1			G3/500
BL	(0°-30°)	402.6	3.9	B1/500		
BM	(30°-60°)	2190.1	21.1	B2/2500		
BH	(60°-80°)	2263.2	21.8	B3/2500		G2/5000
BVH	(80°-90°)	323.9	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°	705.3	705.3	705.3	705.3	705.3	705.3	705.3	705.3	705.3	705.3	705.3
2.5°	727.5	727.5	727.5	727.5	727.5	727.5	725.3	727.5	725.3	725.3	725.3
5°	741.5	741.5	741.5	741.5	739.3	739.3	737.3	737.3	737.3	735.4	737.3
7.5°	747.4	747.4	747.4	747.4	745.5	745.5	745.5	745.5	745.5	745.5	745.5
10°	761.5	761.5	763.5	765.4	769.4	769.4	769.4	771.6	769.4	769.4	769.4
12.5°	791.5	789.6	793.5	797.5	801.6	803.6	803.6	803.6	801.6	801.6	803.6
15°	833.7	829.5	831.7	833.7	835.6	837.6	837.6	835.6	831.7	831.7	831.7
17.5°	887.6	881.7	879.7	877.7	877.7	881.7	885.6	883.7	885.6	883.7	885.6
20°	951.9	947.7	947.7	947.7	949.7	957.8	965.9	969.9	967.9	963.7	969.9
22.5°	993.8	996.0	1005.9	1003.9	1001.9	1010.0	1019.9	1028.0	1023.9	1017.9	1021.9
25°	1040.1	1040.1	1053.9	1060.1	1053.9	1053.9	1058.1	1064.0	1060.1	1056.1	1060.1
27.5°	1092.1	1092.1	1098.0	1104.2	1100.2	1100.2	1106.1	1116.2	1114.0	1112.0	1114.0
30°	1154.2	1146.3	1140.1	1150.2	1160.3	1162.3	1168.2	1184.2	1188.2	1186.2	1190.4
32.5°	1212.3	1200.2	1204.4	1210.3	1232.3	1240.4	1238.4	1250.5	1248.3	1242.4	1250.5
35°	1268.5	1282.5	1290.4	1302.5	1310.6	1320.5	1320.5	1342.6	1346.6	1340.6	1346.6
37.5°	1376.6	1382.5	1404.7	1406.7	1416.8	1454.7	1458.9	1488.9	1505.0	1496.8	1498.8
40°	1524.9	1523.0	1539.0	1562.9	1583.1	1631.1	1645.1	1665.1	1679.2	1673.2	1681.1
42.5°	1645.1	1629.1	1641.2	1693.2	1715.4	1751.3	1769.3	1779.4	1805.5	1797.4	1807.5
45°	1731.4	1737.3	1753.3	1805.5	1819.6	1849.6	1891.5	1909.7	1943.7	1933.6	1939.8
47.5°	1815.4	1843.5	1857.5	1881.6	1925.7	1965.7	2017.9	2035.9	2083.9	2080.0	2074.0
50°	1925.7	1947.7	1963.7	1981.7	2042.0	2108.0	2152.1	2160.0	2176.1	2164.2	2184.2
52.5°	2044.0	2042.0	2055.8	2106.1	2190.1	2216.2	2254.4	2290.4	2324.4	2336.4	2324.4
55°	2200.2	2150.2	2208.3	2280.3	2316.5	2378.5	2470.7	2520.9	2587.0	2597.1	2576.9
57.5°	2264.2	2264.2	2324.4	2366.5	2432.7	2542.9	2641.1	2665.1	2699.1	2681.1	2701.3
60°	2256.3	2332.5	2332.5	2406.6	2514.8	2613.1	2649.0	2689.2	2735.3	2733.3	2733.3
62.5°	2266.4	2340.4	2320.4	2448.7	2514.8	2594.9	2675.2	2749.3	2813.4	2811.4	2809.4
63°	2276.3	2340.4	2328.5	2458.6	2512.8	2599.0	2695.1	2769.3	2821.5	2817.3	2819.3
65°	2306.4	2288.4	2360.6	2442.6	2504.7	2633.0	2713.1	2771.2	2807.4	2805.5	2805.5
67.5°	2250.2	2208.3	2310.3	2342.6	2460.8	2574.9	2637.0	2703.2	2729.1	2729.1	2725.2
70°	2078.0	2096.0	2166.2	2218.2	2338.4	2440.6	2492.8	2576.9	2608.9	2608.9	2606.9
72.5°	1903.6	1933.6	1981.7	2055.8	2170.1	2250.2	2312.5	2388.6	2430.5	2428.6	2428.6
75°	1681.1	1709.2	1765.4	1835.6	1935.6	2013.9	2064.0	2136.1	2184.2	2202.2	2182.2
77.5°	1430.8	1438.7	1490.9	1562.9	1651.1	1705.3	1781.4	1851.6	1891.5	1889.5	1883.6
80°	1126.1	1136.2	1180.3	1262.3	1310.6	1374.7	1444.9	1482.8	1516.8	1516.8	1512.9
82.5°	777.5	799.4	843.5	897.7	947.7	1003.9	1042.1	1080.0	1108.1	1106.1	1100.2
85°	438.8	448.9	491.0	525.0	563.2	599.1	625.2	649.2	673.3	673.3	669.3
87.5°	132.3	118.2	142.4	156.2	176.4	194.4	206.4	230.4	246.4	228.4	228.4
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°	705.3	705.3	705.3	705.3	705.3	705.3	705.3	705.3
2.5°	727.5	727.5	727.5	727.5	727.5	727.5	727.5	727.5
5°	737.3	739.3	739.3	741.5	741.5	741.5	741.5	741.5
7.5°	745.5	745.5	745.5	745.5	747.4	747.4	747.4	747.4
10°	769.4	771.6	769.4	769.4	765.4	763.5	763.5	763.5
12.5°	803.6	805.6	805.6	801.6	797.5	793.5	791.5	789.6
15°	835.6	841.6	837.6	835.6	831.7	833.7	833.7	835.6
17.5°	885.6	887.6	881.7	877.7	875.8	879.7	883.7	885.6
20°	971.9	967.9	955.8	951.9	947.7	947.7	951.9	951.9
22.5°	1026.1	1016.0	1007.8	1003.9	1003.9	1003.9	998.0	989.9
25°	1064.0	1058.1	1051.9	1056.1	1060.1	1053.9	1040.1	1037.9
27.5°	1116.2	1104.2	1102.2	1100.2	1102.2	1098.0	1096.0	1088.1
30°	1184.2	1168.2	1164.3	1160.3	1148.2	1144.1	1148.2	1154.2
32.5°	1248.3	1238.4	1242.4	1234.5	1212.3	1204.4	1208.4	1206.4
35°	1340.6	1322.4	1322.4	1306.4	1300.5	1298.5	1282.5	1268.5
37.5°	1486.8	1462.8	1456.7	1420.7	1404.7	1408.7	1386.7	1370.7
40°	1665.1	1647.1	1631.1	1591.0	1569.0	1540.9	1526.9	1526.9
42.5°	1783.4	1771.3	1749.4	1721.3	1697.1	1649.1	1631.1	1641.2
45°	1913.7	1897.7	1851.6	1823.5	1801.3	1767.3	1747.4	1727.2
47.5°	2046.0	2023.8	1969.8	1933.6	1881.6	1871.6	1849.6	1821.5
50°	2162.2	2154.1	2115.9	2055.8	1989.8	1973.8	1953.8	1927.7
52.5°	2304.4	2256.3	2224.3	2198.2	2124.1	2072.1	2044.0	2055.8
55°	2536.9	2476.8	2394.6	2312.5	2296.5	2234.2	2164.2	2202.2
57.5°	2671.2	2637.0	2574.9	2444.6	2380.5	2338.4	2292.3	2258.3
60°	2703.2	2641.1	2627.1	2528.8	2426.6	2338.4	2356.6	2276.3
62.5°	2765.3	2681.1	2603.0	2524.9	2462.8	2342.6	2338.4	2296.5
63°	2785.3	2701.3	2619.0	2524.9	2468.7	2356.6	2334.4	2312.5
65°	2781.3	2709.2	2647.1	2524.9	2440.6	2396.5	2288.4	2338.4
67.5°	2705.2	2645.1	2572.9	2488.7	2348.5	2314.5	2238.4	2248.2
70°	2583.0	2504.7	2436.7	2358.6	2246.3	2168.2	2122.1	2083.9
72.5°	2392.6	2322.4	2250.2	2178.2	2078.0	1983.9	1951.6	1909.7
75°	2140.1	2072.1	2005.8	1937.8	1843.5	1759.4	1725.2	1695.2
77.5°	1851.6	1793.5	1699.3	1635.1	1581.1	1490.9	1458.9	1426.6
80°	1476.9	1448.8	1380.6	1296.6	1268.5	1180.3	1156.1	1114.0
82.5°	1074.1	1046.0	991.8	933.7	899.7	853.6	813.5	785.6
85°	655.3	625.2	597.2	544.9	525.0	491.0	458.9	442.9
87.5°	236.5	212.4	190.4	166.3	154.2	130.3	126.1	114.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)