

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: P197626

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P197626  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115333)  
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-E1-5MQ-PM-MS/DIM  
Description: TOPTIER LED AREA/SITE LUMINAIRE  
MEDIUM 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: 12003.1 lumens  
Efficiency: N/A  
Efficacy: 111.1 lumens/watt  
Luminous Opening: Circular (Dia: 1.12' x H: 0')  
IES Classification: Type V - Short - Semi-Cutoff  
BUG Rating: B3 - U0 - G3

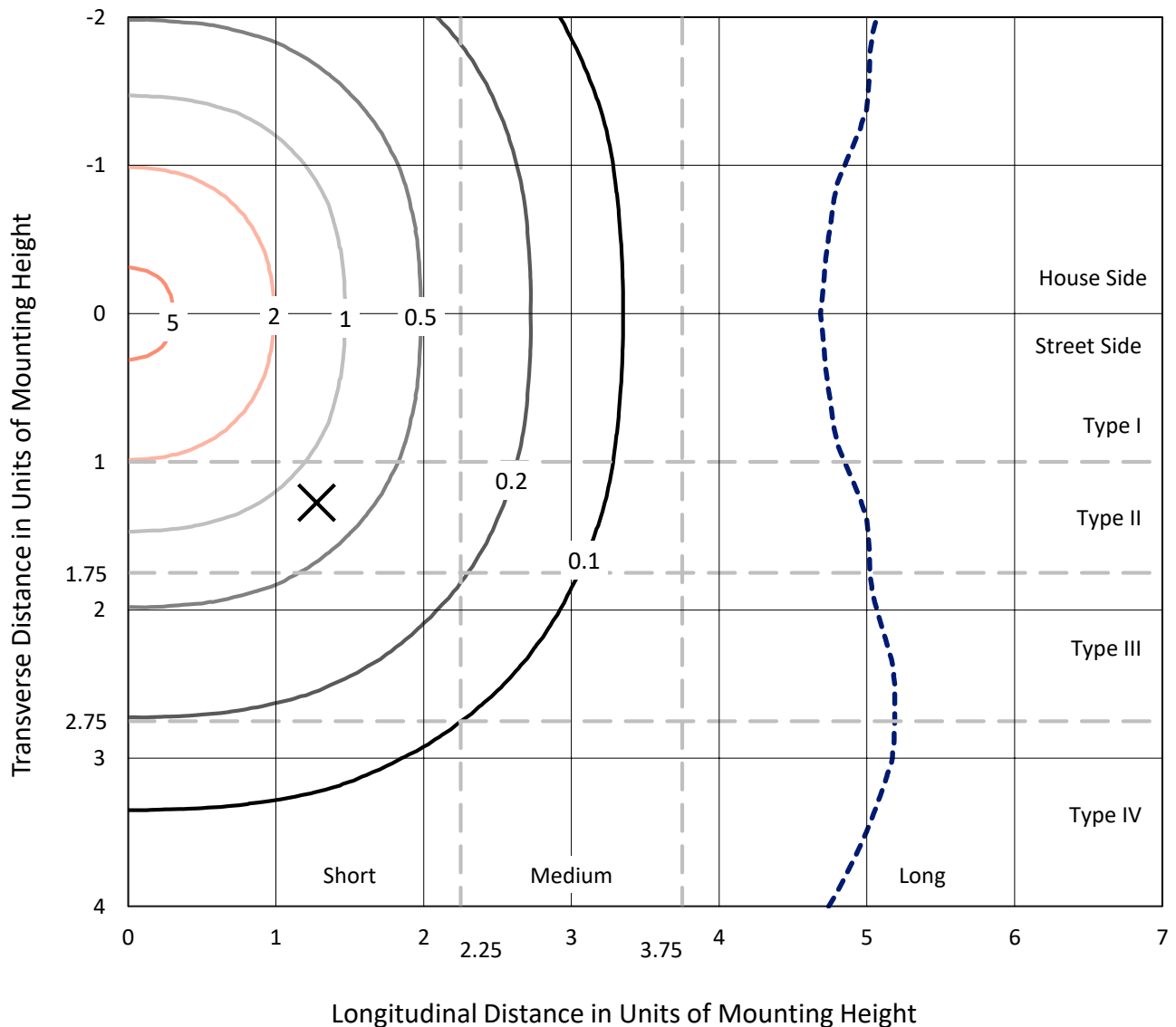
Input Watts (W): 108  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

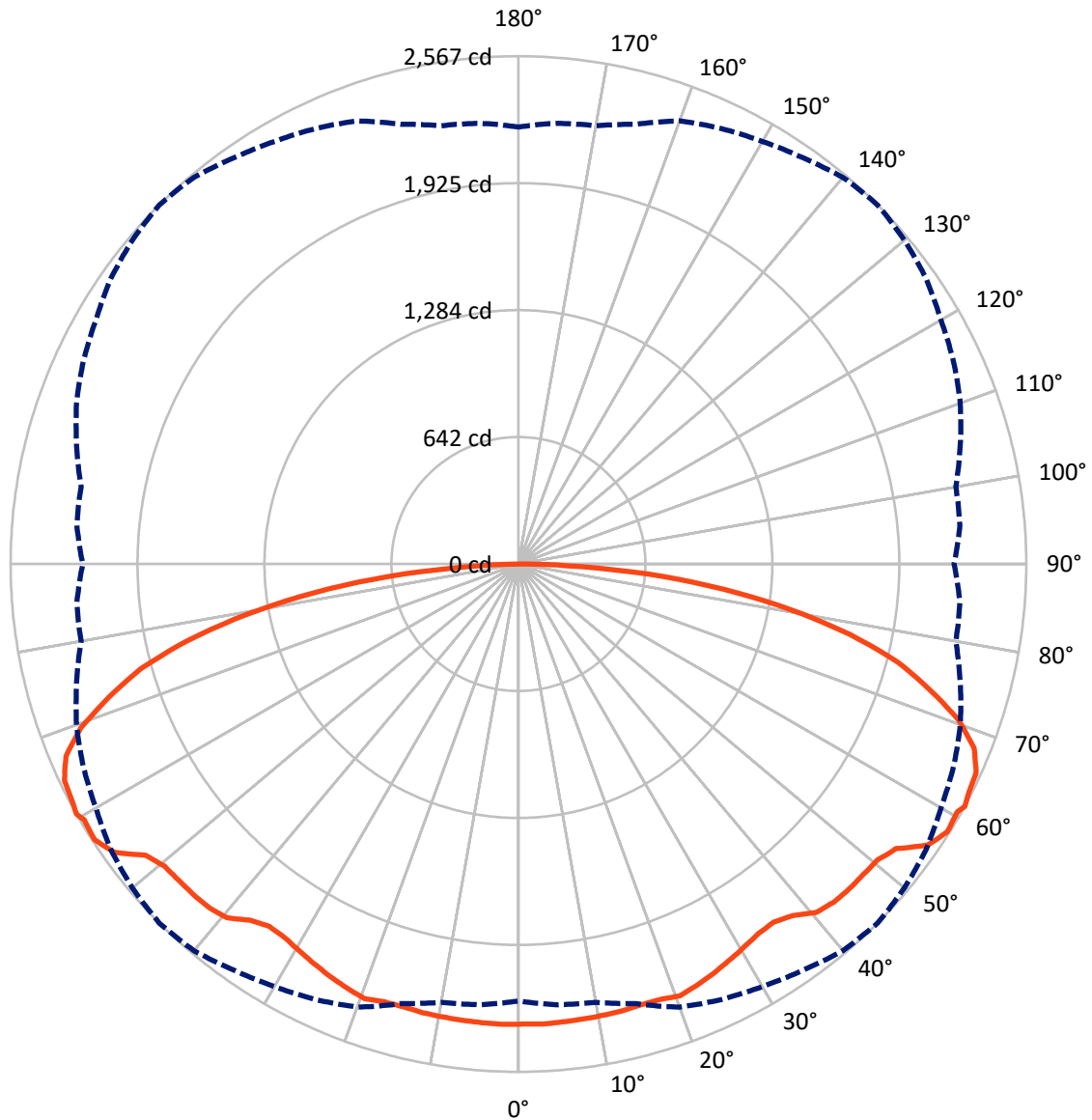
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.8 fc  
 Type V - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 61-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6001.5	0.0	6001.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6001.5	0.0	6001.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	12003.1	0.0	12003.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	221.8	1.8
10°-20°	655.9	5.5
20°-30°	1055.4	8.8
30°-40°	1398.0	11.6
40°-50°	1765.5	14.7
50°-60°	2115.4	17.6
60°-70°	2313.0	19.3
70°-80°	1851.6	15.4
80°-90°	626.4	5.2
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°	12003.1	100.0
0°-180°	12003.1	100.0



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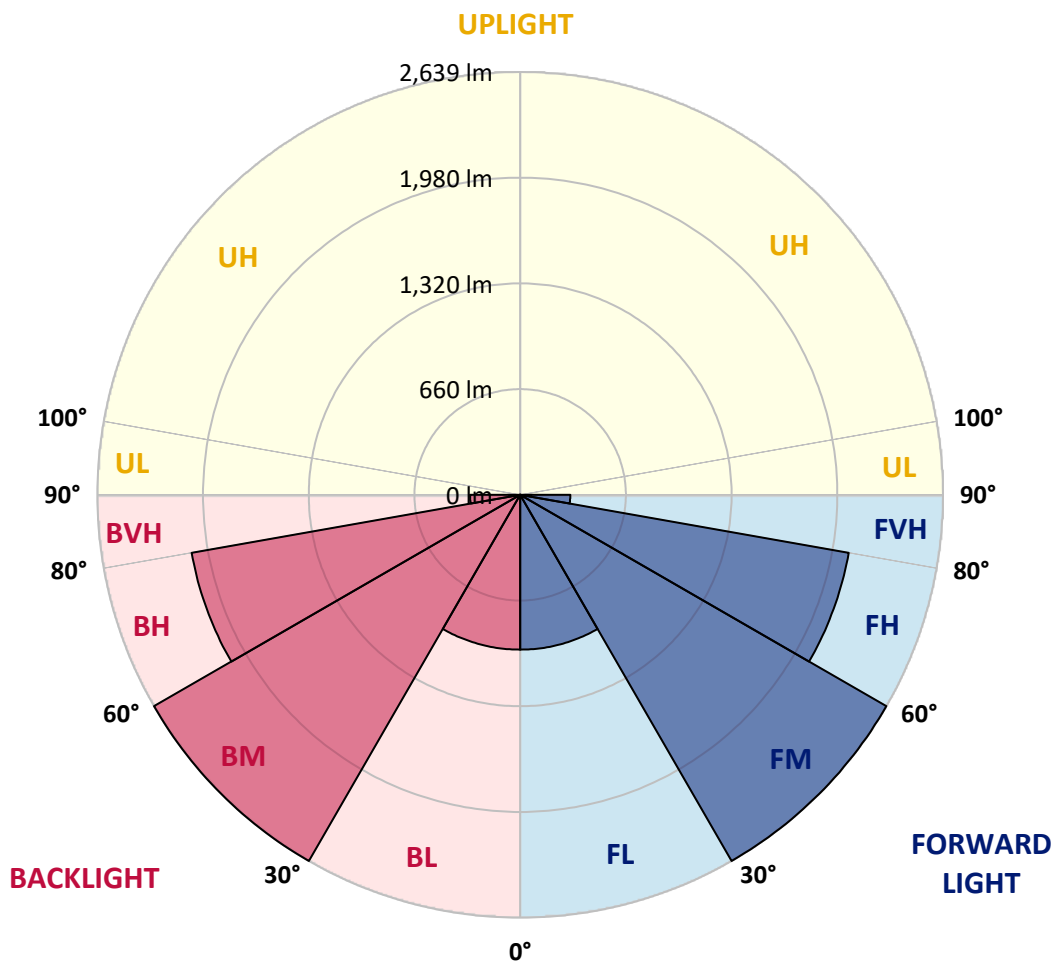
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	966.5	8.1			
FM	(30°-60°)	2639.4	22.0			
FH	(60°-80°)	2082.3	17.3			G2/5000
FVH	(80°-90°)	313.2	2.6			G3/500
BL	(0°-30°)	966.5	8.1	B2/1000		
BM	(30°-60°)	2639.4	22.0	B3/5000		
BH	(60°-80°)	2082.3	17.3	B3/2500		G2/5000
BVH	(80°-90°)	313.2	2.6			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°	2325.6	2325.6	2325.6	2325.6	2325.6	2325.6	2325.6	2325.6	2325.6	2325.6	2325.6
2.5°	2327.8	2325.6	2327.8	2327.8	2327.8	2327.8	2327.8	2327.8	2327.8	2327.8	2327.8
5°	2325.6	2325.6	2325.6	2325.6	2325.6	2325.6	2325.6	2325.6	2325.6	2325.6	2325.6
7.5°	2323.3	2323.3	2323.3	2323.3	2323.3	2323.3	2323.3	2323.3	2325.6	2323.3	2325.6
10°	2318.9	2318.9	2318.9	2318.9	2321.0	2321.0	2321.0	2321.0	2321.0	2321.0	2321.0
12.5°	2314.3	2314.3	2314.3	2314.3	2316.6	2316.6	2316.6	2316.6	2318.9	2318.9	2316.6
15°	2309.8	2307.7	2307.7	2309.8	2309.8	2312.1	2312.1	2312.1	2314.3	2312.1	2312.1
17.5°	2305.4	2303.1	2305.4	2307.7	2307.7	2309.8	2312.1	2312.1	2314.3	2314.3	2314.3
20°	2312.1	2309.8	2312.1	2314.3	2316.6	2321.0	2323.3	2325.6	2327.8	2329.9	2329.9
22.5°	2298.8	2296.5	2298.8	2298.8	2300.9	2303.1	2307.7	2309.8	2312.1	2312.1	2312.1
25°	2278.7	2278.7	2280.7	2280.7	2283.0	2285.3	2287.6	2289.6	2289.6	2291.9	2289.6
27.5°	2256.3	2256.3	2258.5	2258.5	2262.9	2262.9	2265.2	2267.5	2269.5	2269.5	2269.5
30°	2229.3	2229.3	2231.6	2233.8	2238.4	2240.5	2242.8	2245.0	2247.3	2247.3	2247.3
32.5°	2204.8	2202.5	2204.8	2209.1	2216.0	2220.3	2224.9	2227.2	2227.2	2227.2	2229.3
35°	2184.7	2187.0	2191.3	2195.9	2204.8	2209.1	2213.7	2220.3	2222.6	2222.6	2222.6
37.5°	2189.0	2191.3	2198.2	2207.1	2218.3	2231.6	2240.5	2249.4	2256.3	2254.0	2251.7
40°	2218.3	2222.6	2233.8	2247.3	2265.2	2283.0	2296.5	2307.7	2314.3	2316.6	2314.3
42.5°	2222.6	2227.2	2236.1	2256.3	2276.4	2296.5	2314.3	2325.6	2334.5	2336.8	2334.5
45°	2220.3	2220.3	2233.8	2256.3	2276.4	2296.5	2318.9	2334.5	2343.4	2343.4	2343.4
47.5°	2204.8	2211.4	2220.3	2242.8	2269.5	2289.6	2312.1	2327.8	2338.8	2345.7	2338.8
50°	2204.8	2204.8	2220.3	2236.1	2260.6	2296.5	2327.8	2343.4	2354.6	2352.3	2354.6
52.5°	2200.2	2213.7	2222.6	2245.0	2289.6	2325.6	2350.0	2372.4	2388.2	2390.3	2385.9
55°	2240.5	2242.8	2262.9	2305.4	2348.0	2388.2	2432.8	2466.4	2493.2	2509.0	2486.6
57.5°	2271.8	2260.6	2300.9	2336.8	2385.9	2446.3	2513.3	2540.1	2560.2	2555.9	2562.5
60°	2229.3	2245.0	2274.1	2312.1	2390.3	2450.7	2486.6	2515.6	2540.1	2547.0	2538.0
61°	2209.1	2236.1	2249.4	2300.9	2383.6	2428.5	2466.4	2506.7	2551.3	2567.1	2547.0
62.5°	2175.7	2218.3	2213.7	2296.5	2348.0	2399.2	2470.8	2517.9	2549.2	2553.6	2549.2
65°	2178.0	2171.2	2222.6	2283.0	2334.5	2426.2	2486.6	2515.6	2533.5	2542.4	2538.0
67.5°	2106.4	2084.0	2146.7	2189.0	2276.4	2348.0	2406.1	2448.6	2475.4	2484.3	2473.1
70°	1940.9	1956.6	2001.2	2066.2	2137.8	2224.9	2278.7	2334.5	2356.9	2358.9	2358.9
72.5°	1782.1	1791.1	1835.9	1896.3	1978.8	2055.0	2108.5	2153.3	2173.5	2175.7	2180.1
75°	1571.9	1580.9	1632.3	1688.1	1770.9	1835.9	1873.8	1927.6	1956.6	1981.1	1961.0
77.5°	1328.1	1343.9	1384.2	1444.6	1520.5	1556.4	1623.4	1686.1	1706.2	1712.8	1706.2
80°	1053.2	1073.4	1109.0	1189.5	1223.2	1281.3	1346.2	1373.0	1390.8	1395.4	1397.4
82.5°	758.0	773.7	811.7	867.5	905.7	952.6	997.2	1030.8	1050.9	1046.6	1044.3
85°	447.1	451.7	492.0	529.9	559.0	588.0	623.9	648.4	653.0	661.9	659.6
87.5°	134.3	136.3	154.4	174.5	187.8	201.3	223.7	252.7	259.4	241.5	243.8
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°	2325.6	2325.6	2325.6	2325.6	2325.6	2325.6	2325.6	2325.6
2.5°	2327.8	2327.8	2327.8	2327.8	2327.8	2327.8	2325.6	2327.8
5°	2325.6	2325.6	2325.6	2325.6	2325.6	2325.6	2325.6	2325.6
7.5°	2325.6	2323.3	2323.3	2323.3	2323.3	2323.3	2323.3	2323.3
10°	2321.0	2321.0	2321.0	2321.0	2318.9	2318.9	2318.9	2318.9
12.5°	2316.6	2316.6	2316.6	2316.6	2314.3	2314.3	2314.3	2314.3
15°	2312.1	2312.1	2312.1	2312.1	2309.8	2309.8	2309.8	2309.8
17.5°	2314.3	2312.1	2309.8	2309.8	2307.7	2305.4	2305.4	2305.4
20°	2327.8	2325.6	2321.0	2316.6	2314.3	2312.1	2312.1	2312.1
22.5°	2309.8	2307.7	2303.1	2300.9	2300.9	2298.8	2296.5	2296.5
25°	2289.6	2285.3	2285.3	2283.0	2283.0	2278.7	2278.7	2276.4
27.5°	2267.5	2265.2	2262.9	2260.6	2260.6	2258.5	2256.3	2254.0
30°	2247.3	2242.8	2238.4	2236.1	2233.8	2231.6	2231.6	2231.6
32.5°	2227.2	2222.6	2220.3	2213.7	2209.1	2207.1	2204.8	2204.8
35°	2220.3	2213.7	2209.1	2202.5	2195.9	2191.3	2189.0	2184.7
37.5°	2247.3	2238.4	2231.6	2220.3	2204.8	2198.2	2191.3	2189.0
40°	2305.4	2296.5	2283.0	2265.2	2247.3	2233.8	2222.6	2218.3
42.5°	2325.6	2314.3	2296.5	2278.7	2256.3	2236.1	2227.2	2222.6
45°	2332.2	2321.0	2296.5	2274.1	2254.0	2236.1	2222.6	2218.3
47.5°	2325.6	2309.8	2287.6	2269.5	2240.5	2218.3	2209.1	2202.5
50°	2341.1	2327.8	2298.8	2258.5	2233.8	2220.3	2204.8	2202.5
52.5°	2372.4	2348.0	2321.0	2291.9	2245.0	2218.3	2209.1	2198.2
55°	2466.4	2432.8	2385.9	2338.8	2309.8	2267.5	2240.5	2240.5
57.5°	2538.0	2511.0	2450.7	2388.2	2334.5	2303.1	2262.9	2265.2
60°	2517.9	2482.0	2452.9	2390.3	2314.3	2271.8	2256.3	2227.2
61°	2515.6	2466.4	2426.2	2377.0	2312.1	2245.0	2240.5	2202.5
62.5°	2520.0	2475.4	2399.2	2348.0	2298.8	2211.4	2209.1	2173.5
65°	2515.6	2473.1	2435.1	2338.8	2271.8	2236.1	2160.0	2189.0
67.5°	2446.3	2408.4	2338.8	2285.3	2182.4	2137.8	2095.2	2095.2
70°	2336.8	2280.7	2213.7	2146.7	2077.4	2001.2	1963.3	1940.9
72.5°	2153.3	2106.4	2052.7	1981.1	1896.3	1827.0	1791.1	1775.5
75°	1923.0	1871.6	1824.7	1770.9	1681.5	1623.4	1585.4	1574.2
77.5°	1681.5	1636.9	1554.1	1502.6	1442.3	1375.3	1341.6	1328.1
80°	1373.0	1348.3	1290.2	1207.4	1178.3	1095.8	1073.4	1053.2
82.5°	1030.8	1004.1	950.3	892.2	856.5	809.4	769.2	764.8
85°	648.4	630.6	596.9	554.6	509.8	483.0	447.1	456.1
87.5°	241.5	230.3	210.2	183.4	163.3	145.2	127.4	134.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)