

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: P197627

Luminaire Tested: **TT-C6-LED-E1-5MQ-PM-MS/DIM-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P197627  
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-7050  
Description: TOPTIER LED AREA/SITE LUMINAIRE  
MEDIUM DISTRIBUTION WITH DIMMING OCCUPANCY SENSOR  
Light Source: (160) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11889.5 lumens  
Efficiency: N/A  
Efficacy: 110.1 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 (A<sub>in</sub>): 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

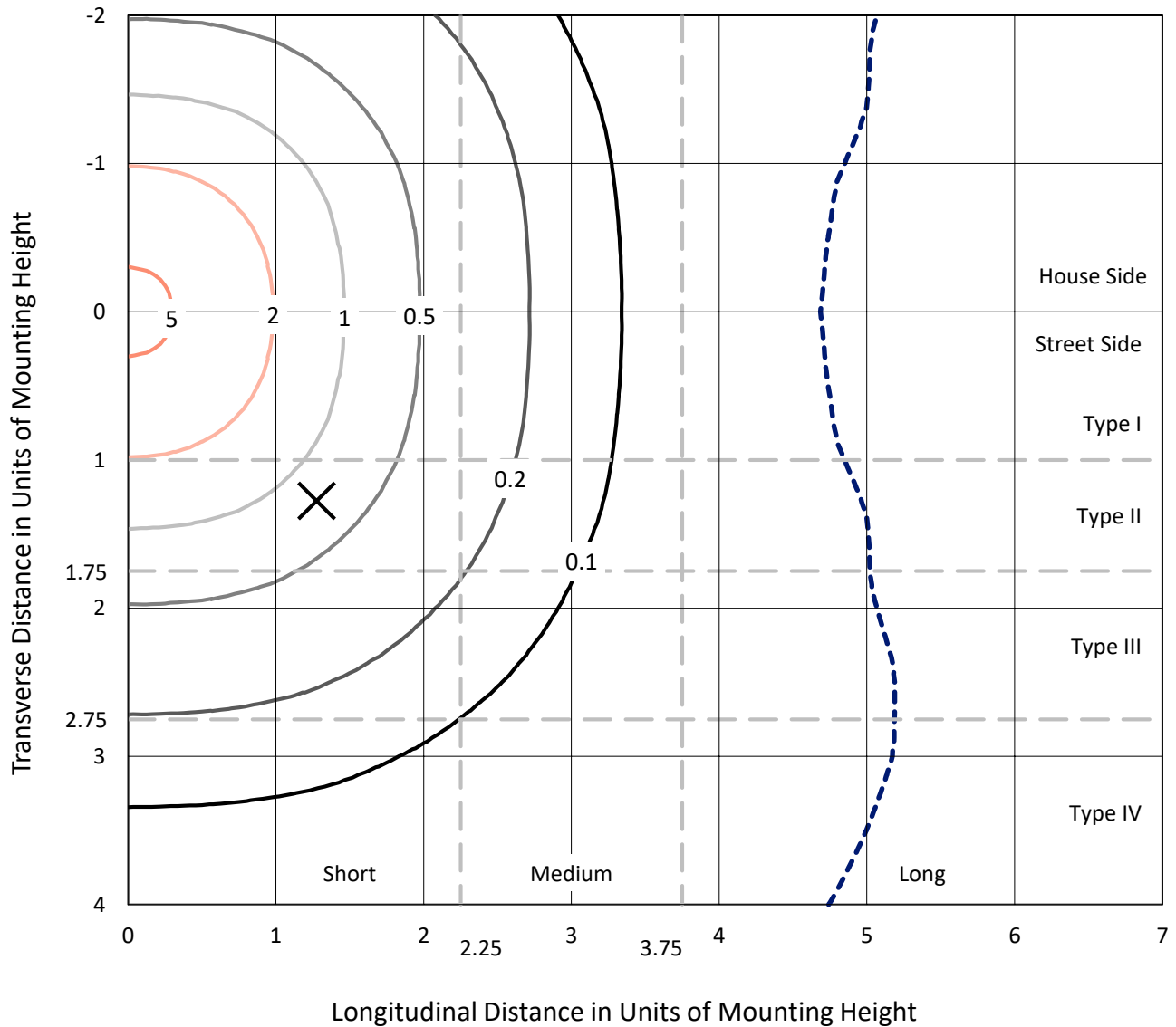


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

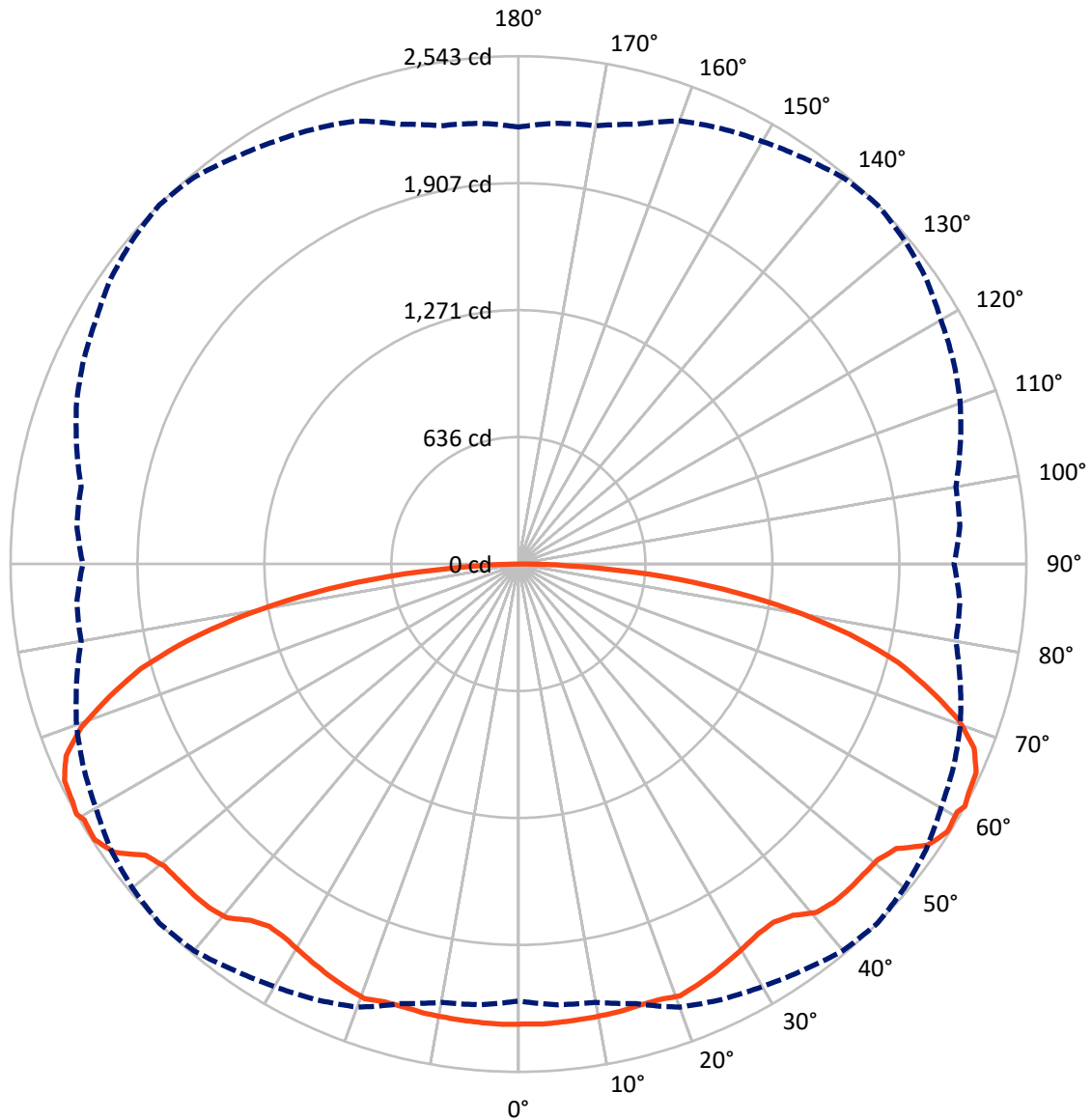


Based on 20 foot mounting height. Maximum calculated value = 5.8 fc  
 Type V - Short - Semi-Cutoff

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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	5944.8	0.0	5944.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5944.8	0.0	5944.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11889.5	0.0	11889.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	219.7	1.8
10°-20°	649.7	5.5
20°-30°	1045.4	8.8
30°-40°	1384.8	11.6
40°-50°	1748.8	14.7
50°-60°	2095.4	17.6
60°-70°	2291.2	19.3
70°-80°	1834.1	15.4
80°-90°	620.5	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°	11889.5	100.0
0°-180°	11889.5	100.0



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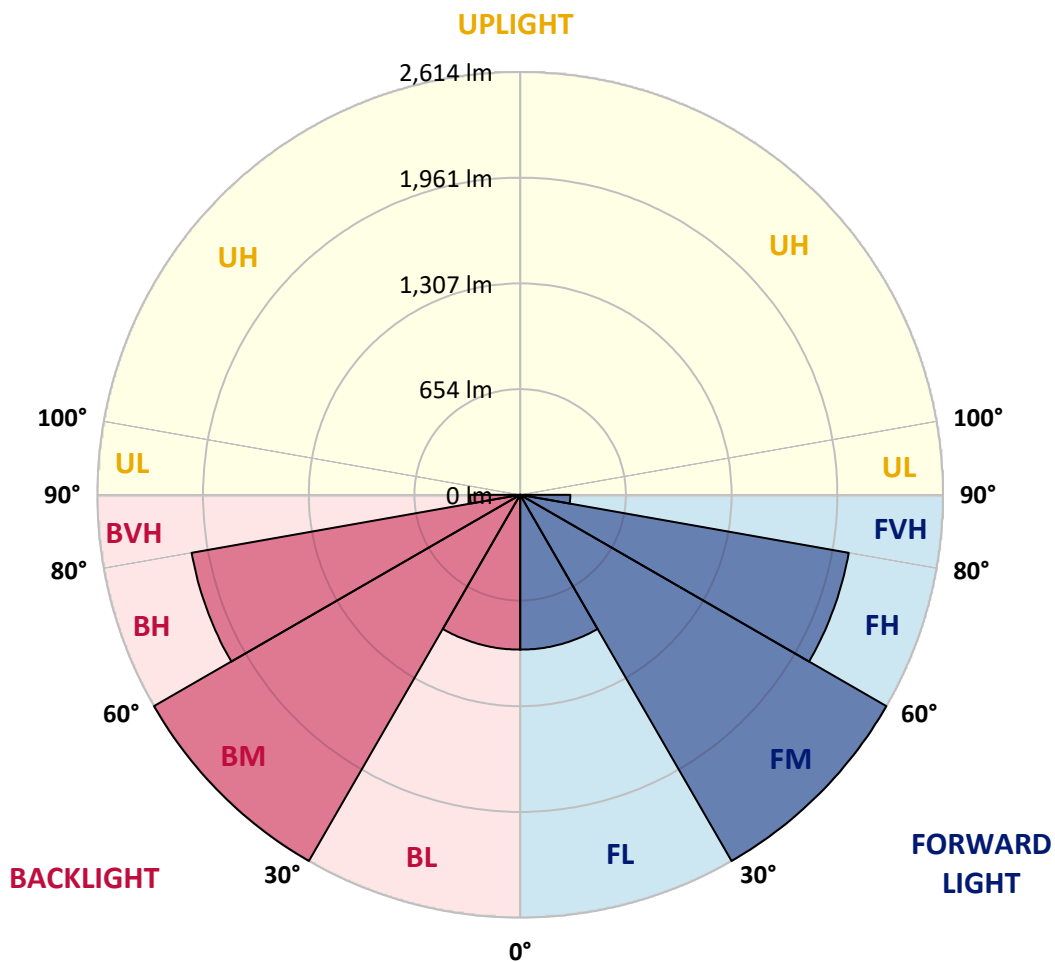
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	957.4	8.1			
FM	(30°-60°)	2614.5	22.0			
FH	(60°-80°)	2062.6	17.3			G2/5000
FVH	(80°-90°)	310.3	2.6			G3/500
BL	(0°-30°)	957.4	8.1	B2/1000		
BM	(30°-60°)	2614.5	22.0	B3/5000		
BH	(60°-80°)	2062.6	17.3	B3/2500		G2/5000
BVH	(80°-90°)	310.3	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°	2303.6	2303.6	2303.6	2303.6	2303.6	2303.6	2303.6	2303.6	2303.6	2303.6	2303.6
2.5°	2305.8	2303.6	2305.8	2305.8	2305.8	2305.8	2305.8	2305.8	2305.8	2305.8	2305.8
5°	2303.6	2303.6	2303.6	2303.6	2303.6	2303.6	2303.6	2303.6	2303.6	2303.6	2303.6
7.5°	2301.3	2301.3	2301.3	2301.3	2301.3	2301.3	2301.3	2301.3	2303.6	2301.3	2303.6
10°	2297.0	2297.0	2297.0	2297.0	2299.0	2299.0	2299.0	2299.0	2299.0	2299.0	2299.0
12.5°	2292.5	2292.5	2292.5	2292.5	2294.7	2294.7	2294.7	2294.7	2297.0	2297.0	2294.7
15°	2287.9	2285.9	2285.9	2287.9	2287.9	2290.2	2290.2	2290.2	2292.5	2290.2	2290.2
17.5°	2283.6	2281.4	2283.6	2285.9	2285.9	2287.9	2290.2	2290.2	2292.5	2292.5	2292.5
20°	2290.2	2287.9	2290.2	2292.5	2294.7	2299.0	2301.3	2303.6	2305.8	2307.9	2307.9
22.5°	2277.0	2274.8	2277.0	2277.0	2279.1	2281.4	2285.9	2287.9	2290.2	2290.2	2290.2
25°	2257.1	2257.1	2259.1	2259.1	2261.4	2263.7	2265.9	2268.0	2268.0	2270.2	2268.0
27.5°	2234.9	2234.9	2237.2	2237.2	2241.5	2241.5	2243.7	2246.0	2248.0	2248.0	2248.0
30°	2208.2	2208.2	2210.4	2212.7	2217.2	2219.3	2221.5	2223.8	2226.1	2226.1	2226.1
32.5°	2183.9	2181.7	2183.9	2188.2	2195.0	2199.3	2203.9	2206.1	2206.1	2206.1	2208.2
35°	2164.0	2166.3	2170.6	2175.1	2183.9	2188.2	2192.8	2199.3	2201.6	2201.6	2201.6
37.5°	2168.3	2170.6	2177.4	2186.2	2197.3	2210.4	2219.3	2228.1	2234.9	2232.6	2230.4
40°	2197.3	2201.6	2212.7	2226.1	2243.7	2261.4	2274.8	2285.9	2292.5	2294.7	2292.5
42.5°	2201.6	2206.1	2215.0	2234.9	2254.8	2274.8	2292.5	2303.6	2312.4	2314.7	2312.4
45°	2199.3	2199.3	2212.7	2234.9	2254.8	2274.8	2297.0	2312.4	2321.2	2321.2	2321.2
47.5°	2183.9	2190.5	2199.3	2221.5	2248.0	2268.0	2290.2	2305.8	2316.7	2323.5	2316.7
50°	2183.9	2183.9	2199.3	2215.0	2239.2	2274.8	2305.8	2321.2	2332.3	2330.1	2332.3
52.5°	2179.4	2192.8	2201.6	2223.8	2268.0	2303.6	2327.8	2350.0	2365.6	2367.7	2363.4
55°	2219.3	2221.5	2241.5	2283.6	2325.8	2365.6	2409.8	2443.1	2469.6	2485.2	2463.0
57.5°	2250.3	2239.2	2279.1	2314.7	2363.4	2423.2	2489.5	2516.1	2536.0	2531.7	2538.3
60°	2208.2	2223.8	2252.6	2290.2	2367.7	2427.5	2463.0	2491.8	2516.1	2522.9	2514.0
61°	2188.2	2215.0	2228.1	2279.1	2361.1	2405.5	2443.1	2483.0	2527.2	2542.8	2522.9
62.5°	2155.2	2197.3	2192.8	2274.8	2325.8	2376.5	2447.4	2494.1	2525.1	2529.4	2525.1
65°	2157.4	2150.6	2201.6	2261.4	2312.4	2403.2	2463.0	2491.8	2509.5	2518.3	2514.0
67.5°	2086.5	2064.3	2126.4	2168.3	2254.8	2325.8	2383.3	2425.4	2451.9	2460.8	2449.7
70°	1922.5	1938.1	1982.3	2046.6	2117.6	2203.9	2257.1	2312.4	2334.6	2336.6	2336.6
72.5°	1765.3	1774.1	1818.5	1878.3	1960.1	2035.5	2088.6	2133.0	2152.9	2155.2	2159.5
75°	1557.1	1565.9	1616.9	1672.2	1754.2	1818.5	1856.1	1909.4	1938.1	1962.4	1942.4
77.5°	1315.6	1331.2	1371.1	1430.9	1506.1	1541.7	1608.0	1670.1	1690.1	1696.6	1690.1
80°	1043.3	1063.2	1098.5	1178.3	1211.6	1269.1	1333.5	1360.0	1377.6	1382.2	1384.2
82.5°	750.8	766.4	804.0	859.3	897.1	943.6	987.8	1021.1	1041.0	1036.7	1034.4
85°	442.9	447.4	487.3	524.9	553.7	582.5	618.0	642.3	646.8	655.6	653.4
87.5°	133.0	135.0	152.9	172.9	186.0	199.4	221.6	250.3	256.9	239.2	241.5
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°	2303.6	2303.6	2303.6	2303.6	2303.6	2303.6	2303.6	2303.6
2.5°	2305.8	2305.8	2305.8	2305.8	2305.8	2305.8	2303.6	2305.8
5°	2303.6	2303.6	2303.6	2303.6	2303.6	2303.6	2303.6	2303.6
7.5°	2303.6	2301.3	2301.3	2301.3	2301.3	2301.3	2301.3	2301.3
10°	2299.0	2299.0	2299.0	2299.0	2297.0	2297.0	2297.0	2297.0
12.5°	2294.7	2294.7	2294.7	2294.7	2292.5	2292.5	2292.5	2292.5
15°	2290.2	2290.2	2290.2	2290.2	2287.9	2287.9	2287.9	2287.9
17.5°	2292.5	2290.2	2287.9	2287.9	2285.9	2283.6	2283.6	2283.6
20°	2305.8	2303.6	2299.0	2294.7	2292.5	2290.2	2290.2	2290.2
22.5°	2287.9	2285.9	2281.4	2279.1	2279.1	2277.0	2274.8	2274.8
25°	2268.0	2263.7	2263.7	2261.4	2261.4	2257.1	2257.1	2254.8
27.5°	2246.0	2243.7	2241.5	2239.2	2239.2	2237.2	2234.9	2232.6
30°	2226.1	2221.5	2217.2	2215.0	2212.7	2210.4	2210.4	2210.4
32.5°	2206.1	2201.6	2199.3	2192.8	2188.2	2186.2	2183.9	2183.9
35°	2199.3	2192.8	2188.2	2181.7	2175.1	2170.6	2168.3	2164.0
37.5°	2226.1	2217.2	2210.4	2199.3	2183.9	2177.4	2170.6	2168.3
40°	2283.6	2274.8	2261.4	2243.7	2226.1	2212.7	2201.6	2197.3
42.5°	2303.6	2292.5	2274.8	2257.1	2234.9	2215.0	2206.1	2201.6
45°	2310.1	2299.0	2274.8	2252.6	2232.6	2215.0	2201.6	2197.3
47.5°	2303.6	2287.9	2265.9	2248.0	2219.3	2197.3	2188.2	2181.7
50°	2319.0	2305.8	2277.0	2237.2	2212.7	2199.3	2183.9	2181.7
52.5°	2350.0	2325.8	2299.0	2270.2	2223.8	2197.3	2188.2	2177.4
55°	2443.1	2409.8	2363.4	2316.7	2287.9	2246.0	2219.3	2219.3
57.5°	2514.0	2487.3	2427.5	2365.6	2312.4	2281.4	2241.5	2243.7
60°	2494.1	2458.5	2429.7	2367.7	2292.5	2250.3	2234.9	2206.1
61°	2491.8	2443.1	2403.2	2354.5	2290.2	2223.8	2219.3	2181.7
62.5°	2496.1	2451.9	2376.5	2325.8	2277.0	2190.5	2188.2	2152.9
65°	2491.8	2449.7	2412.1	2316.7	2250.3	2215.0	2139.5	2168.3
67.5°	2423.2	2385.6	2316.7	2263.7	2161.7	2117.6	2075.4	2075.4
70°	2314.7	2259.1	2192.8	2126.4	2057.7	1982.3	1944.7	1922.5
72.5°	2133.0	2086.5	2033.3	1962.4	1878.3	1809.7	1774.1	1758.7
75°	1904.8	1853.9	1807.4	1754.2	1665.6	1608.0	1570.4	1559.3
77.5°	1665.6	1621.4	1539.4	1488.4	1428.6	1362.2	1328.9	1315.6
80°	1360.0	1335.5	1278.0	1196.0	1167.2	1085.4	1063.2	1043.3
82.5°	1021.1	994.6	941.3	883.8	848.4	801.8	761.9	757.6
85°	642.3	624.6	591.3	549.4	505.0	478.5	442.9	451.7
87.5°	239.2	228.1	208.2	181.7	161.8	143.9	126.2	133.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)