

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: P197628

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197628
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-7060
Description: TOPTIER LED AREA/SITE LUMINAIRE
MEDIUM DISTRIBUTION WITH DIMMING OCCUPANCY SENSOR
Light Source: (160) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11799.7 lumens
Efficiency: N/A
Efficacy: 109.3 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_{in}): 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

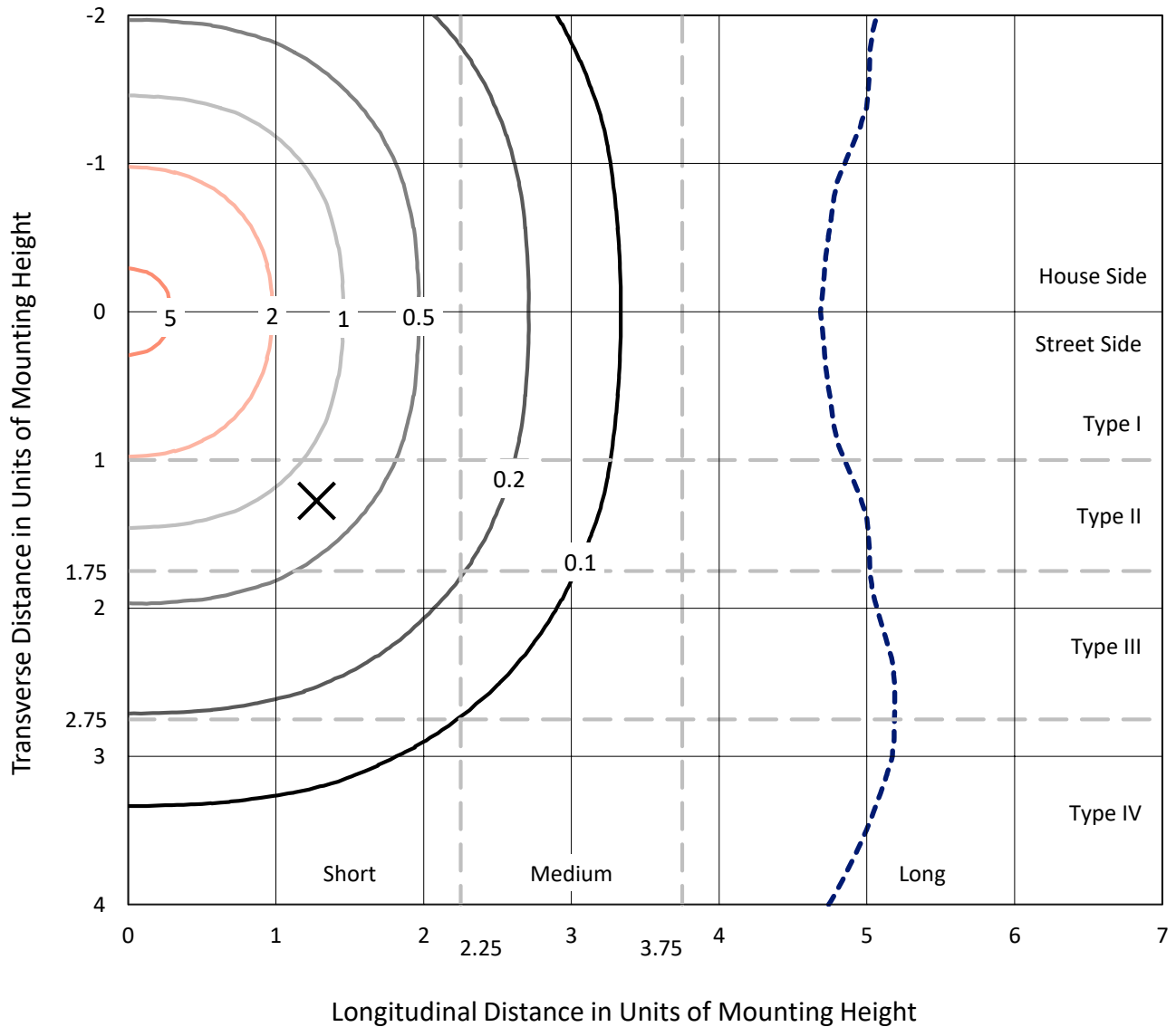


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

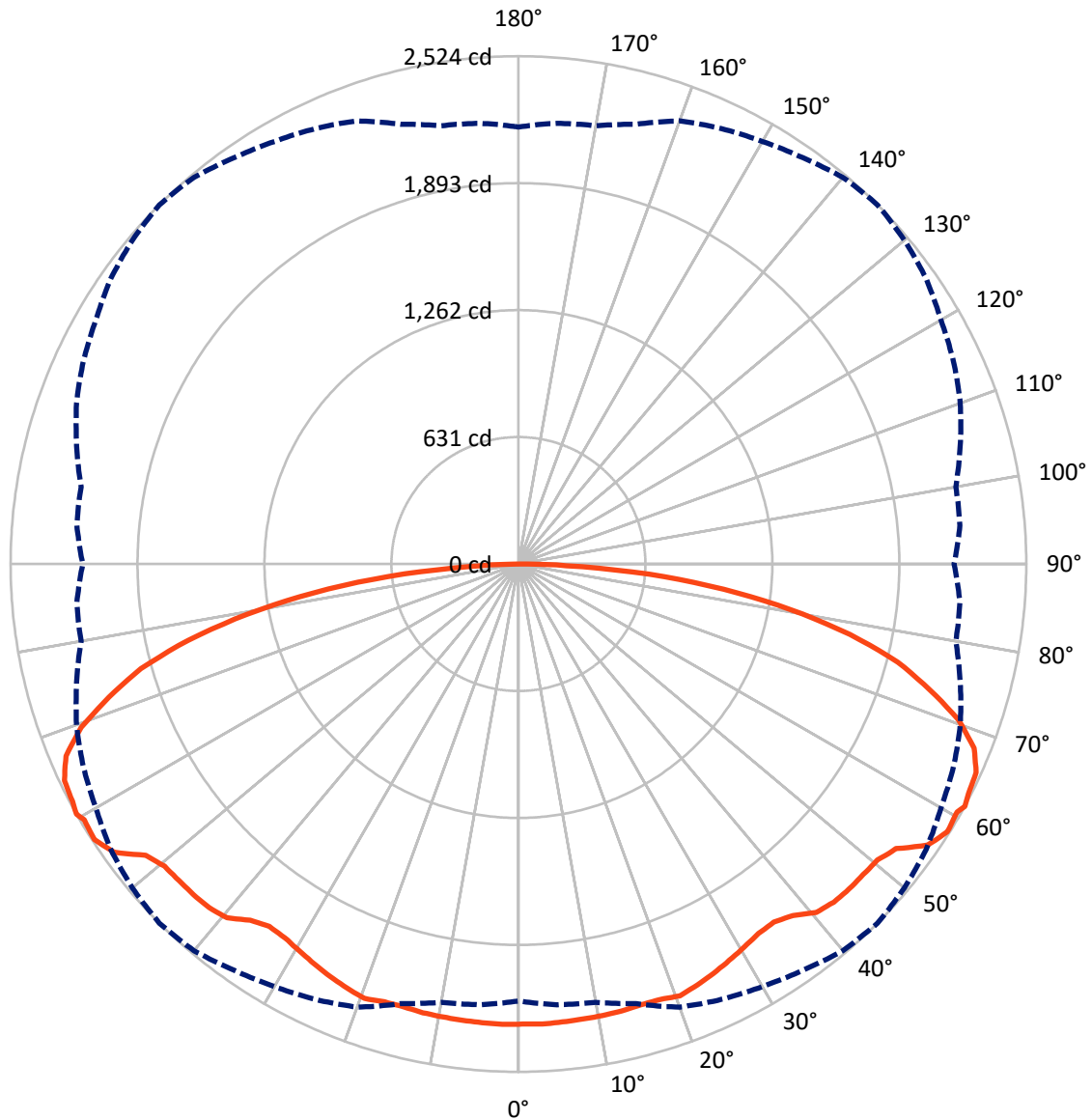


Based on 20 foot mounting height. Maximum calculated value = 5.7 fc
 Type V - Short - Semi-Cutoff

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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
House Side	Lumens	5899.9	0.0	5899.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5899.9	0.0	5899.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	11799.7	0.0	11799.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.1	1.8
10°-20°	644.8	5.5
20°-30°	1037.5	8.8
30°-40°	1374.3	11.6
40°-50°	1735.6	14.7
50°-60°	2079.6	17.6
60°-70°	2273.9	19.3
70°-80°	1820.2	15.4
80°-90°	615.8	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°	11799.7	100.0
0°-180°	11799.7	100.0



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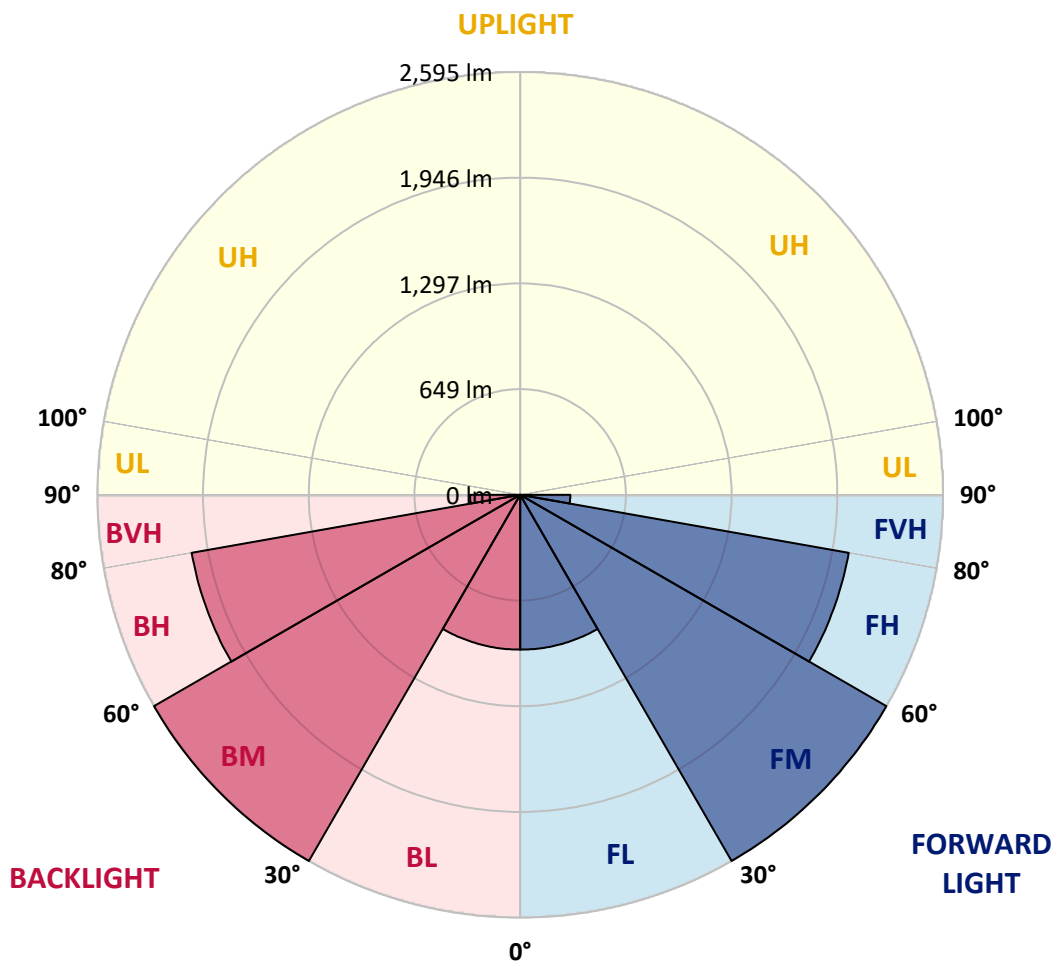
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	950.2	8.1			
FM	(30°-60°)	2594.7	22.0			
FH	(60°-80°)	2047.0	17.3			G2/5000
FVH	(80°-90°)	307.9	2.6			G3/500
BL	(0°-30°)	950.2	8.1	B2/1000		
BM	(30°-60°)	2594.7	22.0	B3/5000		
BH	(60°-80°)	2047.0	17.3	B3/2500		G2/5000
BVH	(80°-90°)	307.9	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°	2286.2	2286.2	2286.2	2286.2	2286.2	2286.2	2286.2	2286.2	2286.2	2286.2	2286.2
2.5°	2288.4	2286.2	2288.4	2288.4	2288.4	2288.4	2288.4	2288.4	2288.4	2288.4	2288.4
5°	2286.2	2286.2	2286.2	2286.2	2286.2	2286.2	2286.2	2286.2	2286.2	2286.2	2286.2
7.5°	2283.9	2283.9	2283.9	2283.9	2283.9	2283.9	2283.9	2283.9	2286.2	2283.9	2286.2
10°	2279.6	2279.6	2279.6	2279.6	2281.7	2281.7	2281.7	2281.7	2281.7	2281.7	2281.7
12.5°	2275.1	2275.1	2275.1	2275.1	2277.4	2277.4	2277.4	2277.4	2279.6	2279.6	2277.4
15°	2270.6	2268.6	2268.6	2270.6	2270.6	2272.9	2272.9	2272.9	2275.1	2272.9	2272.9
17.5°	2266.4	2264.1	2266.4	2268.6	2268.6	2270.6	2272.9	2272.9	2275.1	2275.1	2275.1
20°	2272.9	2270.6	2272.9	2275.1	2277.4	2281.7	2283.9	2286.2	2288.4	2290.4	2290.4
22.5°	2259.9	2257.6	2259.9	2259.9	2261.9	2264.1	2268.6	2270.6	2272.9	2272.9	2272.9
25°	2240.1	2240.1	2242.1	2242.1	2244.3	2246.6	2248.8	2250.9	2250.9	2253.1	2250.9
27.5°	2218.0	2218.0	2220.3	2220.3	2224.6	2224.6	2226.8	2229.0	2231.1	2231.1	2231.1
30°	2191.5	2191.5	2193.8	2196.0	2200.5	2202.5	2204.8	2207.0	2209.3	2209.3	2209.3
32.5°	2167.4	2165.2	2167.4	2171.7	2178.5	2182.7	2187.2	2189.5	2189.5	2189.5	2191.5
35°	2147.7	2149.9	2154.2	2158.7	2167.4	2171.7	2176.2	2182.7	2185.0	2185.0	2185.0
37.5°	2151.9	2154.2	2160.9	2169.7	2180.7	2193.8	2202.5	2211.3	2218.0	2215.8	2213.5
40°	2180.7	2185.0	2196.0	2209.3	2226.8	2244.3	2257.6	2268.6	2275.1	2277.4	2275.1
42.5°	2185.0	2189.5	2198.2	2218.0	2237.8	2257.6	2275.1	2286.2	2294.9	2297.2	2294.9
45°	2182.7	2182.7	2196.0	2218.0	2237.8	2257.6	2279.6	2294.9	2303.7	2303.7	2303.7
47.5°	2167.4	2174.0	2182.7	2204.8	2231.1	2250.9	2272.9	2288.4	2299.2	2305.9	2299.2
50°	2167.4	2167.4	2182.7	2198.2	2222.3	2257.6	2288.4	2303.7	2314.7	2312.5	2314.7
52.5°	2162.9	2176.2	2185.0	2207.0	2250.9	2286.2	2310.2	2332.3	2347.8	2349.8	2345.5
55°	2202.5	2204.8	2224.6	2266.4	2308.2	2347.8	2391.6	2424.7	2451.0	2466.5	2444.4
57.5°	2233.3	2222.3	2261.9	2297.2	2345.5	2404.9	2470.8	2497.1	2516.8	2512.6	2519.1
60°	2191.5	2207.0	2235.6	2272.9	2349.8	2409.1	2444.4	2473.0	2497.1	2503.8	2495.0
61°	2171.7	2198.2	2211.3	2261.9	2343.3	2387.3	2424.7	2464.2	2508.1	2523.6	2503.8
62.5°	2138.9	2180.7	2176.2	2257.6	2308.2	2358.6	2428.9	2475.2	2506.1	2510.3	2506.1
65°	2141.1	2134.4	2185.0	2244.3	2294.9	2385.1	2444.4	2473.0	2490.5	2499.3	2495.0
67.5°	2070.8	2048.7	2110.3	2151.9	2237.8	2308.2	2365.3	2407.1	2433.4	2442.2	2431.2
70°	1908.0	1923.5	1967.3	2031.2	2101.6	2187.2	2240.1	2294.9	2317.0	2319.0	2319.0
72.5°	1751.9	1760.7	1804.8	1864.1	1945.3	2020.2	2072.8	2116.9	2136.6	2138.9	2143.2
75°	1545.3	1554.1	1604.7	1659.5	1740.9	1804.8	1842.1	1894.9	1923.5	1947.6	1927.8
77.5°	1305.6	1321.2	1360.7	1420.1	1494.7	1530.0	1595.9	1657.5	1677.3	1683.8	1677.3
80°	1035.4	1055.2	1090.2	1169.4	1202.4	1259.5	1323.4	1349.7	1367.2	1371.7	1373.8
82.5°	745.1	760.6	798.0	852.8	890.4	936.5	980.3	1013.3	1033.1	1028.9	1026.6
85°	439.6	444.1	483.6	521.0	549.5	578.1	613.4	637.4	641.9	650.7	648.4
87.5°	132.0	134.0	151.8	171.6	184.6	197.9	219.9	248.4	255.0	237.4	239.7
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°	2286.2	2286.2	2286.2	2286.2	2286.2	2286.2	2286.2	2286.2
2.5°	2288.4	2288.4	2288.4	2288.4	2288.4	2288.4	2286.2	2288.4
5°	2286.2	2286.2	2286.2	2286.2	2286.2	2286.2	2286.2	2286.2
7.5°	2286.2	2283.9	2283.9	2283.9	2283.9	2283.9	2283.9	2283.9
10°	2281.7	2281.7	2281.7	2281.7	2279.6	2279.6	2279.6	2279.6
12.5°	2277.4	2277.4	2277.4	2277.4	2275.1	2275.1	2275.1	2275.1
15°	2272.9	2272.9	2272.9	2272.9	2270.6	2270.6	2270.6	2270.6
17.5°	2275.1	2272.9	2270.6	2270.6	2268.6	2266.4	2266.4	2266.4
20°	2288.4	2286.2	2281.7	2277.4	2275.1	2272.9	2272.9	2272.9
22.5°	2270.6	2268.6	2264.1	2261.9	2261.9	2259.9	2257.6	2257.6
25°	2250.9	2246.6	2246.6	2244.3	2244.3	2240.1	2240.1	2237.8
27.5°	2229.0	2226.8	2224.6	2222.3	2222.3	2220.3	2218.0	2215.8
30°	2209.3	2204.8	2200.5	2198.2	2196.0	2193.8	2193.8	2193.8
32.5°	2189.5	2185.0	2182.7	2176.2	2171.7	2169.7	2167.4	2167.4
35°	2182.7	2176.2	2171.7	2165.2	2158.7	2154.2	2151.9	2147.7
37.5°	2209.3	2200.5	2193.8	2182.7	2167.4	2160.9	2154.2	2151.9
40°	2266.4	2257.6	2244.3	2226.8	2209.3	2196.0	2185.0	2180.7
42.5°	2286.2	2275.1	2257.6	2240.1	2218.0	2198.2	2189.5	2185.0
45°	2292.7	2281.7	2257.6	2235.6	2215.8	2198.2	2185.0	2180.7
47.5°	2286.2	2270.6	2248.8	2231.1	2202.5	2180.7	2171.7	2165.2
50°	2301.4	2288.4	2259.9	2220.3	2196.0	2182.7	2167.4	2165.2
52.5°	2332.3	2308.2	2281.7	2253.1	2207.0	2180.7	2171.7	2160.9
55°	2424.7	2391.6	2345.5	2299.2	2270.6	2229.0	2202.5	2202.5
57.5°	2495.0	2468.5	2409.1	2347.8	2294.9	2264.1	2224.6	2226.8
60°	2475.2	2439.9	2411.4	2349.8	2275.1	2233.3	2218.0	2189.5
61°	2473.0	2424.7	2385.1	2336.7	2272.9	2207.0	2202.5	2165.2
62.5°	2477.3	2433.4	2358.6	2308.2	2259.9	2174.0	2171.7	2136.6
65°	2473.0	2431.2	2393.9	2299.2	2233.3	2198.2	2123.4	2151.9
67.5°	2404.9	2367.6	2299.2	2246.6	2145.4	2101.6	2059.7	2059.7
70°	2297.2	2242.1	2176.2	2110.3	2042.2	1967.3	1930.0	1908.0
72.5°	2116.9	2070.8	2017.9	1947.6	1864.1	1796.0	1760.7	1745.4
75°	1890.4	1839.9	1793.8	1740.9	1653.0	1595.9	1558.6	1547.6
77.5°	1653.0	1609.2	1527.8	1477.2	1417.8	1352.0	1318.9	1305.6
80°	1349.7	1325.4	1268.3	1186.9	1158.4	1077.2	1055.2	1035.4
82.5°	1013.3	987.0	934.2	877.1	842.0	795.7	756.1	751.9
85°	637.4	619.9	586.8	545.2	501.2	474.9	439.6	448.3
87.5°	237.4	226.4	206.6	180.3	160.5	142.8	125.2	132.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)