

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: P197603

Luminaire Tested: **TT-C6-LED-E1-5MQ-PM-LWR-LW-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197603
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115393)
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-LWR-LW-7050
Description: TOPTIER LED AREA/SITE LUMINAIRE
MEDIUM DISTRIBUTION WITH LumaWatt WIRELESS SENSOR
Light Source: (160) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10818.2 lumens
Efficiency: N/A
Efficacy: 100.2 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Full 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

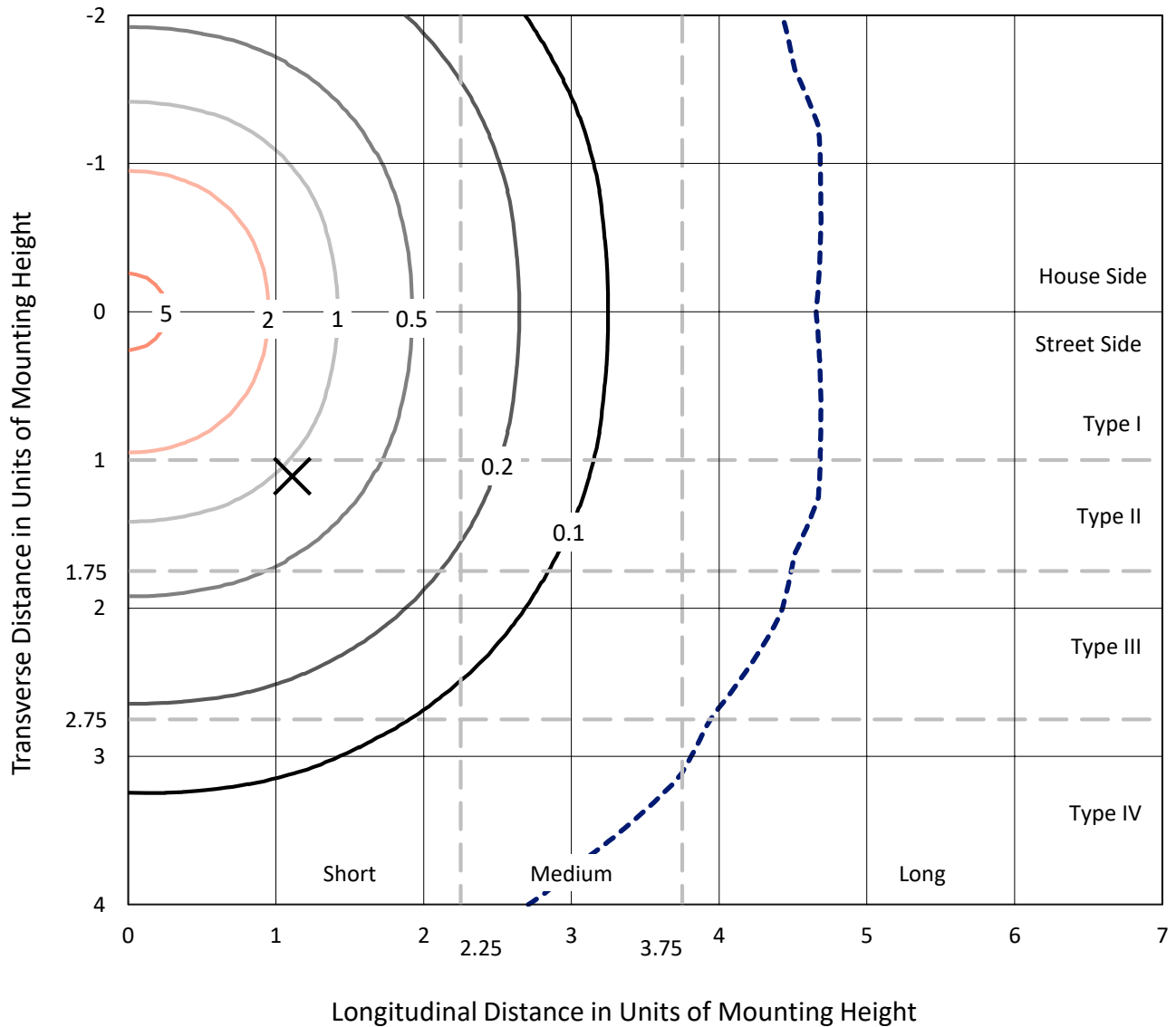


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

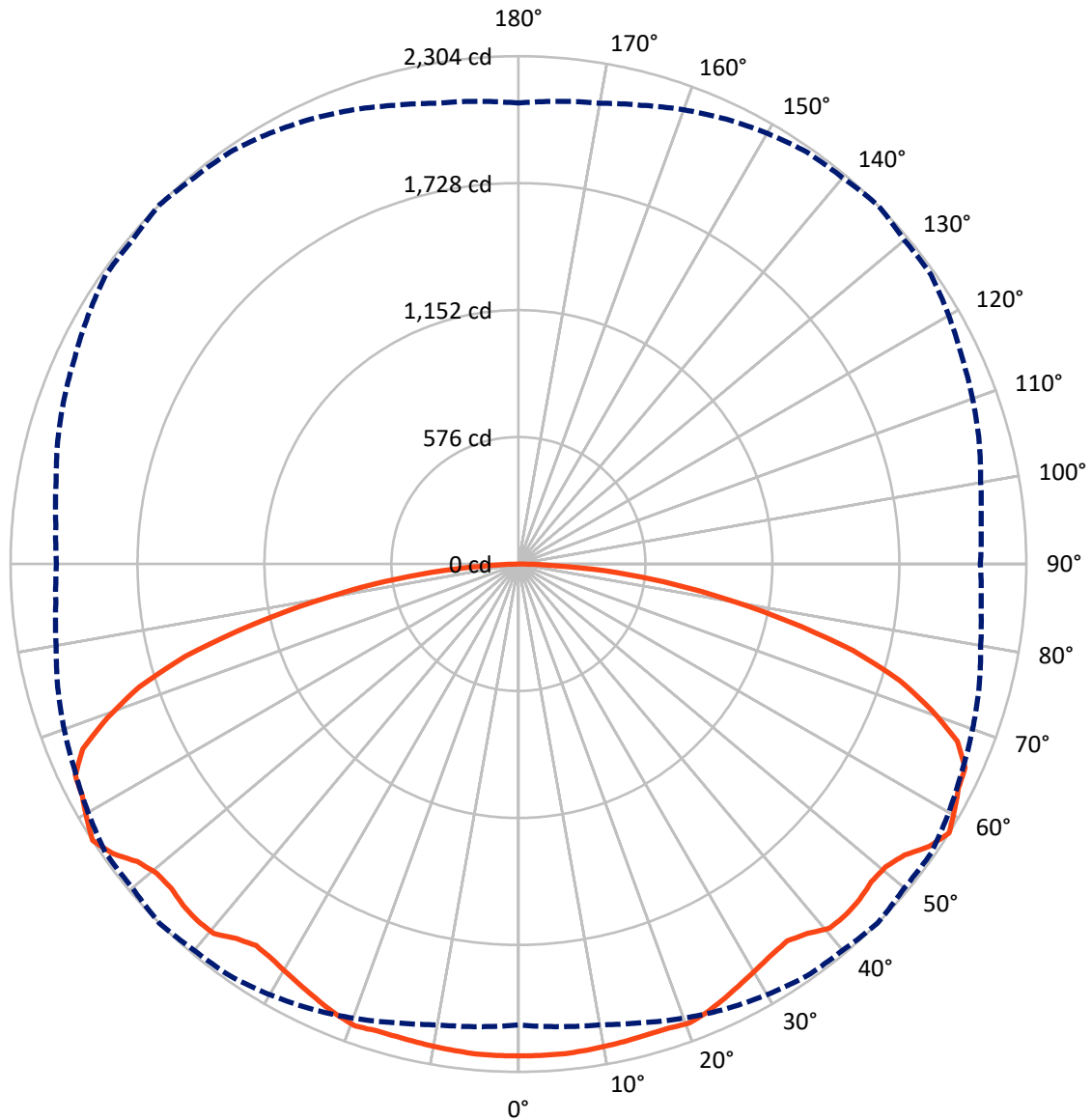


Based on 20 foot mounting height. Maximum calculated value = 5.6 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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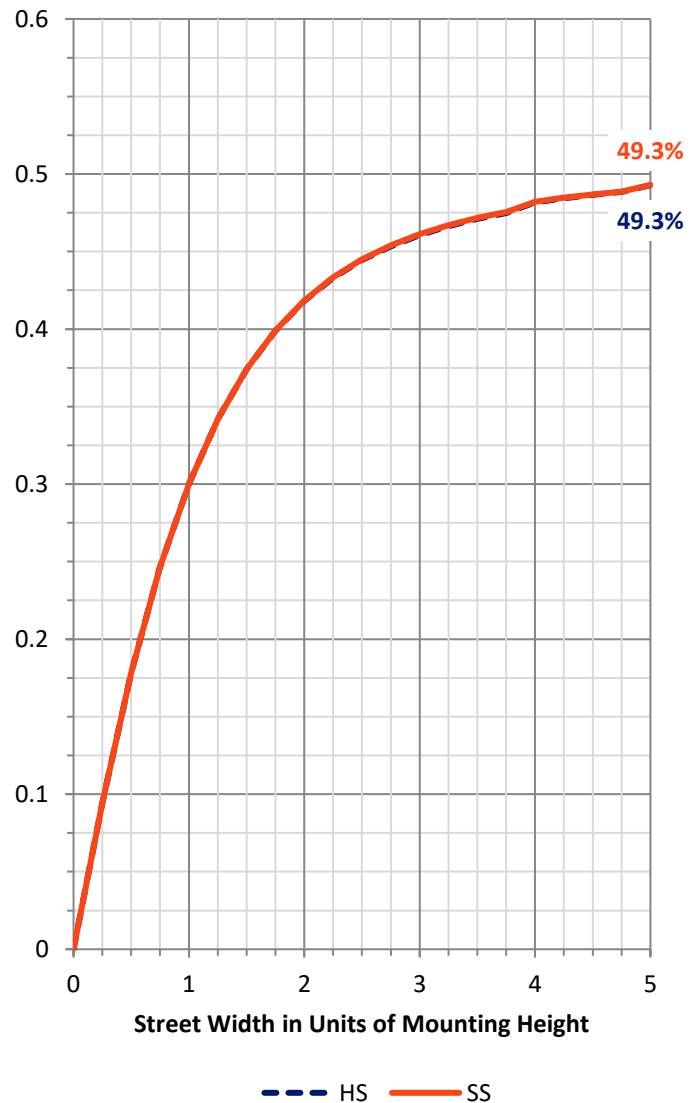
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5409.1	0.0	5409.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5409.1	0.0	5409.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	10818.2	0.0	10818.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.6	2.0
10°-20°	627.2	5.8
20°-30°	1004.6	9.3
30°-40°	1322.5	12.2
40°-50°	1647.2	15.2
50°-60°	1940.3	17.9
60°-70°	2062.8	19.1
70°-80°	1546.9	14.3
80°-90°	454.2	4.2
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°	10818.2	100.0
0°-180°	10818.2	100.0



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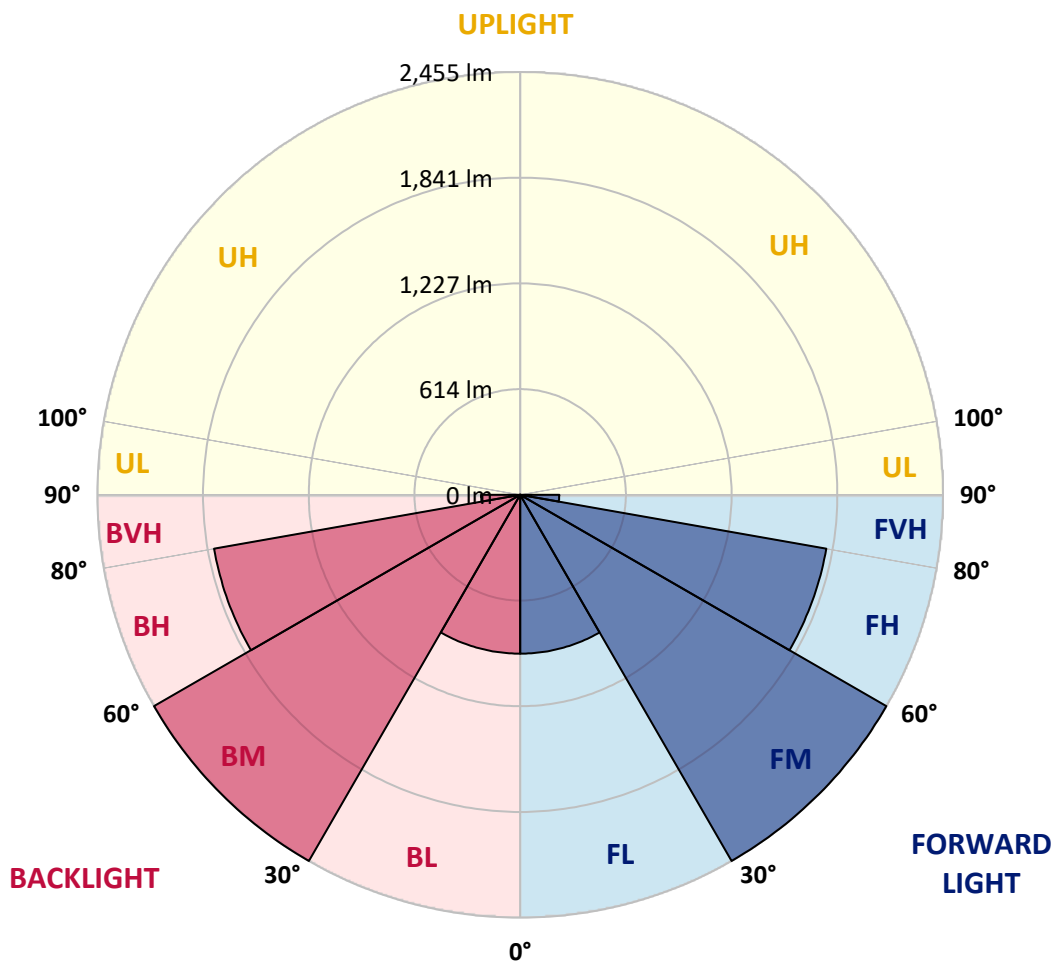
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	922.2	8.5			
FM (30°-60°)	2455.0	22.7			
FH (60°-80°)	1804.8	16.7			G2/5000
FVH (80°-90°)	227.1	2.1			G3/500
BL (0°-30°)	922.2	8.5	B2/1000		
BM (30°-60°)	2455.0	22.7	B2/2500		
BH (60°-80°)	1804.8	16.7	B3/2500		G2/5000
BVH (80°-90°)	227.1	2.1			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°	2231.5	2231.5	2231.5	2231.5	2231.5	2231.5	2231.5	2231.5	2231.5	2231.5	2231.5
2.5°	2229.3	2229.3	2229.3	2231.5	2231.5	2231.5	2231.5	2231.5	2231.5	2231.5	2231.5
5°	2229.3	2229.3	2229.3	2229.3	2229.3	2229.3	2231.5	2231.5	2231.5	2231.5	2231.5
7.5°	2224.7	2224.7	2224.7	2224.7	2224.7	2227.0	2227.0	2227.0	2227.0	2227.0	2227.0
10°	2220.2	2220.2	2220.2	2220.2	2222.5	2222.5	2222.5	2222.5	2222.5	2222.5	2222.5
12.5°	2215.7	2215.7	2213.4	2215.7	2215.7	2215.7	2217.9	2217.9	2217.9	2217.9	2217.9
15°	2206.6	2206.6	2208.9	2208.9	2211.1	2211.1	2211.1	2211.1	2213.4	2213.4	2213.4
17.5°	2202.1	2202.1	2204.3	2206.6	2206.6	2208.9	2211.1	2211.1	2213.4	2213.4	2213.4
20°	2208.9	2208.9	2208.9	2211.1	2213.4	2215.7	2217.9	2220.2	2220.2	2222.5	2220.2
22.5°	2195.3	2195.3	2195.3	2197.5	2197.5	2197.5	2199.8	2202.1	2202.1	2204.3	2202.1
25°	2170.3	2170.3	2172.6	2172.6	2174.9	2174.9	2177.1	2177.1	2177.1	2179.4	2179.4
27.5°	2145.4	2143.2	2147.7	2147.7	2150.0	2150.0	2152.2	2154.5	2154.5	2154.5	2156.8
30°	2118.2	2118.2	2120.5	2120.5	2122.8	2125.0	2127.3	2129.6	2129.6	2131.8	2131.8
32.5°	2088.8	2091.1	2093.3	2095.6	2097.9	2102.4	2104.6	2106.9	2109.2	2111.4	2109.2
35°	2068.4	2070.7	2072.9	2077.5	2084.3	2088.8	2093.3	2097.9	2100.1	2100.1	2100.1
37.5°	2072.9	2075.2	2079.7	2088.8	2100.1	2106.9	2116.0	2122.8	2125.0	2127.3	2127.3
40°	2097.9	2102.4	2109.2	2120.5	2134.1	2145.4	2159.0	2165.8	2170.3	2172.6	2170.3
42.5°	2095.6	2102.4	2109.2	2122.8	2138.6	2150.0	2163.6	2170.3	2174.9	2177.1	2174.9
45°	2088.8	2093.3	2100.1	2113.7	2125.0	2140.9	2154.5	2161.3	2168.1	2170.3	2168.1
47.5°	2072.9	2072.9	2075.2	2088.8	2104.6	2125.0	2136.4	2147.7	2154.5	2154.5	2154.5
50°	2052.5	2061.6	2066.1	2084.3	2100.1	2118.2	2138.6	2154.5	2156.8	2159.0	2156.8
52.5°	2052.5	2054.8	2070.7	2082.0	2113.7	2140.9	2161.3	2177.1	2190.7	2193.0	2193.0
55°	2088.8	2093.3	2102.4	2129.6	2154.5	2195.3	2229.3	2242.8	2251.9	2261.0	2251.9
57.5°	2091.1	2106.9	2122.8	2154.5	2193.0	2227.0	2256.4	2281.4	2288.2	2304.0	2285.9
60°	2063.9	2068.4	2084.3	2122.8	2172.6	2208.9	2236.0	2258.7	2281.4	2272.3	2281.4
62.5°	2020.8	2032.2	2054.8	2084.3	2125.0	2168.1	2208.9	2215.7	2249.6	2240.6	2254.2
65°	1986.8	1995.9	2018.6	2061.6	2111.4	2138.6	2183.9	2211.1	2208.9	2227.0	2206.6
67.5°	1903.0	1909.8	1930.2	1973.2	2020.8	2061.6	2075.2	2118.2	2122.8	2147.7	2125.0
70°	1764.8	1780.7	1810.1	1850.9	1889.4	1923.4	1948.3	1971.0	1984.6	1989.1	1984.6
72.5°	1592.6	1617.6	1640.2	1678.7	1717.2	1739.9	1755.8	1787.5	1796.5	1810.1	1805.6
75°	1415.9	1415.9	1438.6	1468.0	1497.5	1511.1	1520.1	1540.5	1551.9	1567.7	1554.1
77.5°	1173.5	1187.1	1207.5	1232.4	1227.9	1234.7	1234.7	1246.0	1241.5	1252.8	1261.9
80°	919.8	933.4	951.5	969.6	967.4	951.5	962.8	949.2	944.7	947.0	953.8
82.5°	657.0	666.1	681.9	693.2	693.2	681.9	686.4	672.9	677.4	666.1	675.1
85°	376.1	387.4	398.7	410.1	410.1	403.3	410.1	391.9	394.2	394.2	394.2
87.5°	92.9	101.9	106.5	113.3	108.7	120.1	126.9	115.5	117.8	113.3	120.1
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°	2231.5	2231.5	2231.5	2231.5	2231.5	2231.5	2231.5	2231.5
2.5°	2231.5	2229.3	2231.5	2231.5	2231.5	2231.5	2229.3	2229.3
5°	2231.5	2231.5	2231.5	2229.3	2229.3	2229.3	2229.3	2229.3
7.5°	2227.0	2227.0	2227.0	2224.7	2224.7	2224.7	2224.7	2224.7
10°	2222.5	2222.5	2220.2	2220.2	2220.2	2220.2	2220.2	2220.2
12.5°	2217.9	2217.9	2215.7	2215.7	2215.7	2215.7	2215.7	2213.4
15°	2213.4	2213.4	2211.1	2211.1	2208.9	2208.9	2206.6	2206.6
17.5°	2213.4	2211.1	2208.9	2206.6	2206.6	2204.3	2202.1	2202.1
20°	2220.2	2217.9	2215.7	2213.4	2211.1	2208.9	2208.9	2206.6
22.5°	2202.1	2199.8	2197.5	2197.5	2195.3	2195.3	2195.3	2193.0
25°	2179.4	2177.1	2177.1	2172.6	2172.6	2170.3	2170.3	2168.1
27.5°	2154.5	2152.2	2152.2	2150.0	2147.7	2145.4	2143.2	2143.2
30°	2129.6	2127.3	2127.3	2125.0	2120.5	2120.5	2118.2	2116.0
32.5°	2106.9	2106.9	2104.6	2100.1	2095.6	2093.3	2088.8	2088.8
35°	2100.1	2095.6	2091.1	2084.3	2077.5	2072.9	2070.7	2068.4
37.5°	2125.0	2118.2	2106.9	2100.1	2091.1	2082.0	2077.5	2072.9
40°	2168.1	2156.8	2145.4	2134.1	2120.5	2109.2	2100.1	2097.9
42.5°	2170.3	2163.6	2152.2	2138.6	2122.8	2109.2	2100.1	2097.9
45°	2163.6	2154.5	2140.9	2125.0	2113.7	2097.9	2091.1	2088.8
47.5°	2147.7	2138.6	2125.0	2102.4	2086.5	2075.2	2072.9	2072.9
50°	2156.8	2138.6	2116.0	2102.4	2086.5	2068.4	2061.6	2057.1
52.5°	2177.1	2159.0	2145.4	2116.0	2082.0	2066.1	2057.1	2050.3
55°	2242.8	2233.8	2193.0	2152.2	2127.3	2106.9	2097.9	2093.3
57.5°	2285.9	2254.2	2220.2	2193.0	2163.6	2129.6	2106.9	2095.6
60°	2263.2	2229.3	2213.4	2177.1	2116.0	2079.7	2066.1	2059.3
62.5°	2213.4	2213.4	2170.3	2113.7	2091.1	2059.3	2034.4	2025.4
65°	2211.1	2181.7	2138.6	2118.2	2063.9	2016.3	1991.4	1986.8
67.5°	2116.0	2075.2	2063.9	2018.6	1973.2	1930.2	1912.1	1903.0
70°	1971.0	1957.4	1923.4	1894.0	1853.2	1807.9	1782.9	1773.9
72.5°	1787.5	1764.8	1749.0	1724.0	1685.5	1628.9	1608.5	1597.2
75°	1538.3	1526.9	1526.9	1499.8	1463.5	1429.5	1427.3	1422.7
77.5°	1237.0	1241.5	1252.8	1223.4	1234.7	1216.6	1200.7	1189.4
80°	940.2	960.6	962.8	969.6	976.4	951.5	940.2	926.6
82.5°	668.3	679.6	693.2	695.5	700.0	681.9	672.9	659.3
85°	394.2	401.0	412.3	412.3	412.3	396.5	391.9	380.6
87.5°	115.5	115.5	122.3	115.5	115.5	115.5	104.2	111.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)