

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: P197552

Luminaire Tested: **TT-C5-LED-E1-5CQ-PM-MS/DIM-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197552
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115423)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C5-LED-E1-5CQ-PM-MS/DIM-7060
Description: TOPTIER LED AREA/SITE LUMINAIRE
CONCENTRATED 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: 9055 lumens
Efficiency: N/A
Efficacy: 117.6 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B3 - U0 - G1

Input Watts (W): 77
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

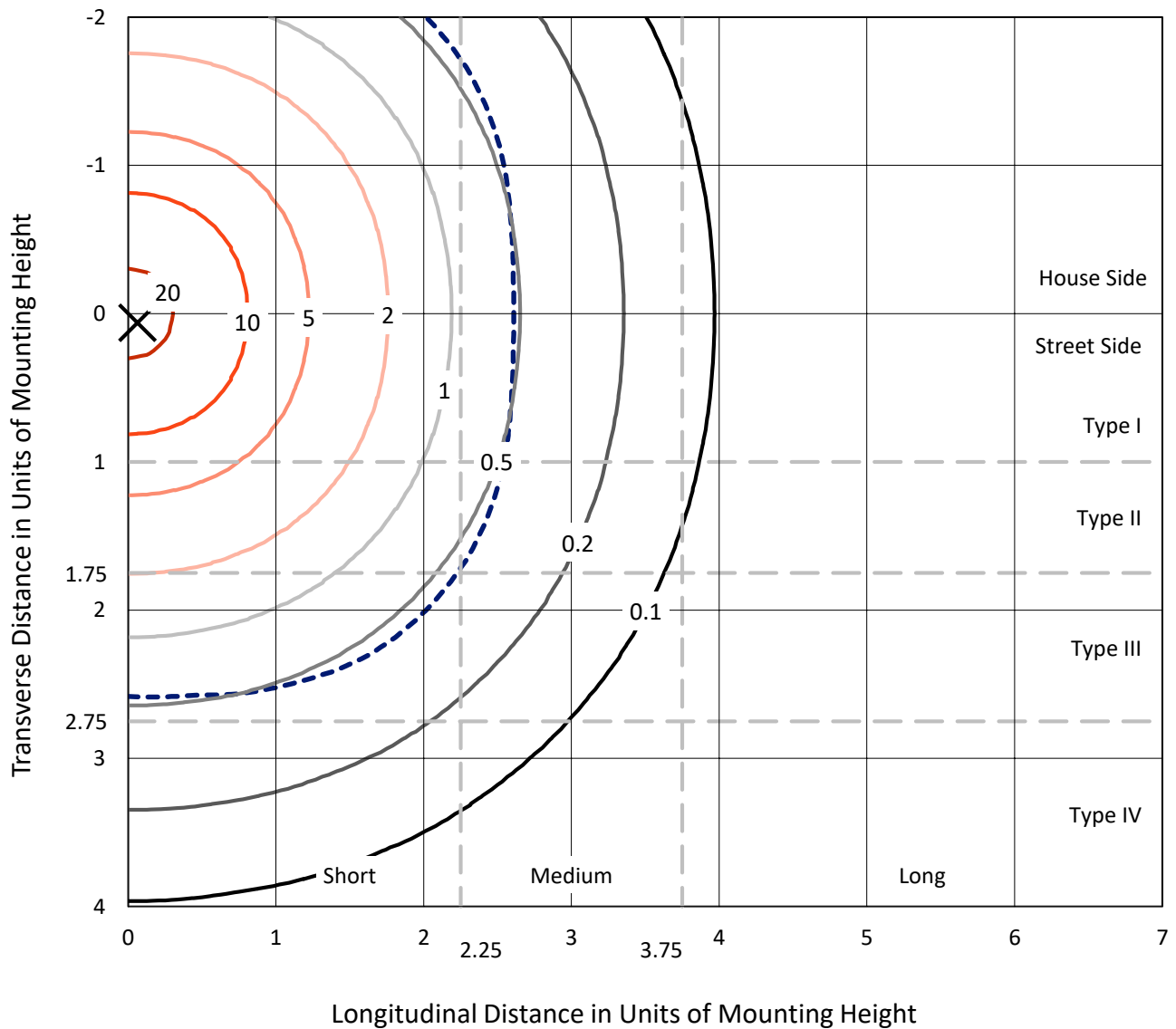


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

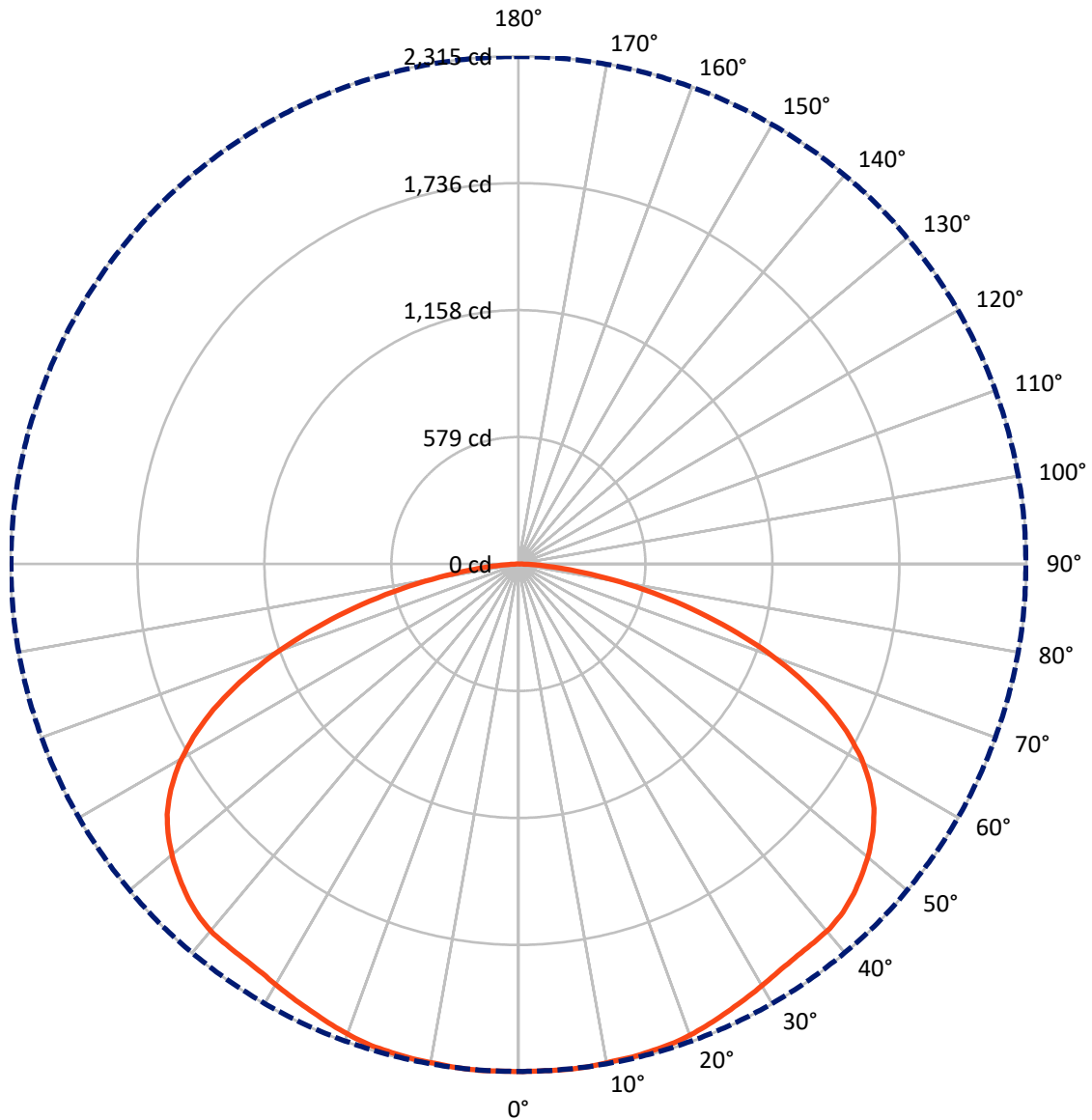


Based on 10 foot mounting height. Maximum calculated value = 23.1 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 5-Deg Vertical

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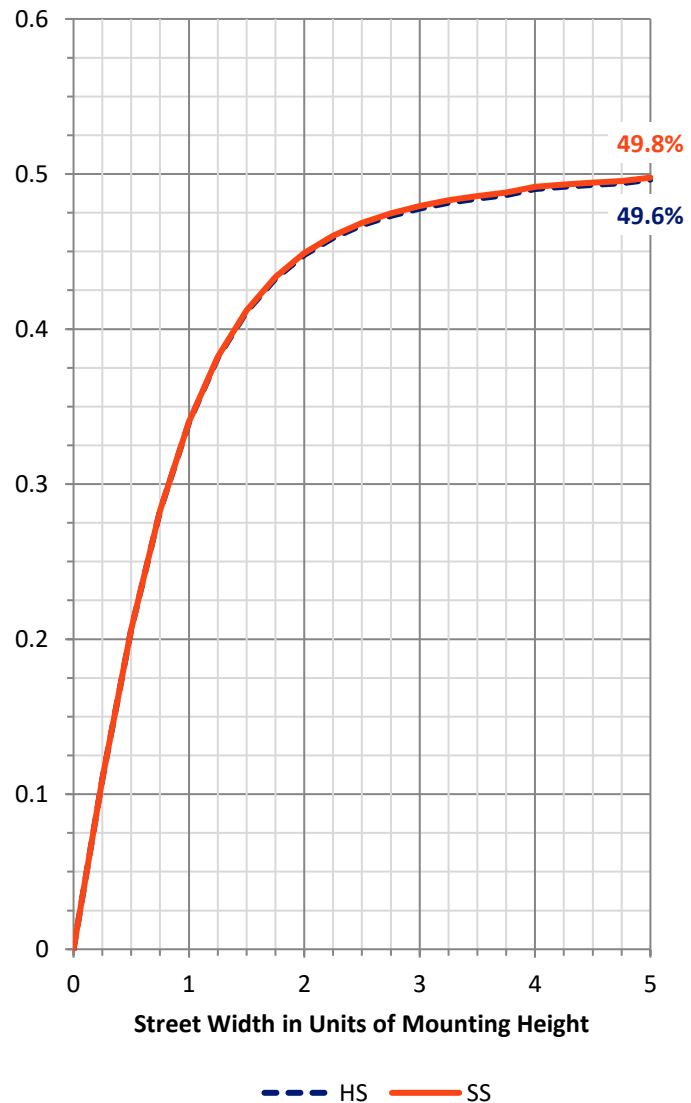
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4527.5	0.0	4527.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4527.5	0.0	4527.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9055.0	0.0	9055.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.7	2.4
10°-20°	650.8	7.2
20°-30°	1038.6	11.5
30°-40°	1368.0	15.1
40°-50°	1627.3	18.0
50°-60°	1703.1	18.8
60°-70°	1448.3	16.0
70°-80°	823.1	9.1
80°-90°	175.0	1.9
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°	9055.0	100.0
0°-180°	9055.0	100.0



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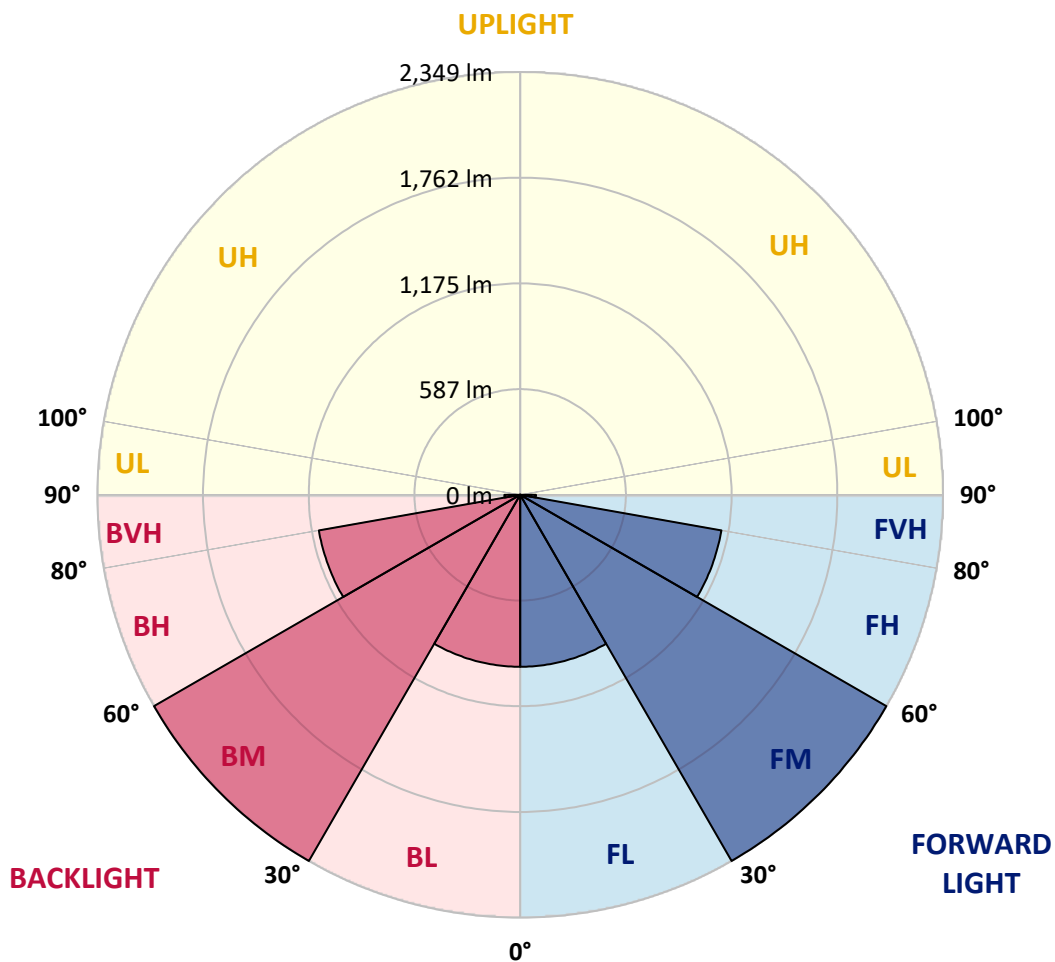
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	955.1	10.5			
FM	(30°-60°)	2349.2	25.9			
FH	(60°-80°)	1135.7	12.5			G1/1800
FVH	(80°-90°)	87.5	1.0			G1/100
BL	(0°-30°)	955.1	10.5	B2/1000		
BM	(30°-60°)	2349.2	25.9	B2/2500		
BH	(60°-80°)	1135.7	12.5	B3/2500		G1/1800
BVH	(80°-90°)	87.5	1.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2313.5	2313.5	2313.5	2313.5	2313.5	2313.5	2313.5	2313.5	2313.5	2313.5	2313.5
2.5°	2313.5	2313.5	2313.5	2313.5	2313.5	2313.5	2313.5	2313.5	2313.5	2313.5	2313.5
5°	2313.5	2313.5	2313.5	2313.5	2313.5	2313.5	2313.5	2313.5	2313.5	2315.3	2313.5
7.5°	2311.7	2311.7	2311.7	2311.7	2313.5	2311.7	2311.7	2313.5	2313.5	2313.5	2313.5
10°	2308.1	2306.4	2306.4	2308.1	2308.1	2308.1	2308.1	2308.1	2310.0	2308.1	2308.1
12.5°	2302.8	2301.0	2302.8	2302.8	2302.8	2304.5	2304.5	2304.5	2306.4	2306.4	2304.5
15°	2297.4	2297.4	2297.4	2297.4	2297.4	2299.2	2299.2	2301.0	2301.0	2301.0	2301.0
17.5°	2290.2	2290.2	2290.2	2292.1	2292.1	2293.8	2293.8	2293.8	2295.6	2295.6	2295.6
20°	2277.8	2276.0	2277.8	2277.8	2279.6	2281.3	2281.3	2283.2	2283.2	2283.2	2283.2
22.5°	2259.9	2259.9	2261.7	2261.7	2263.5	2265.3	2265.3	2267.0	2267.0	2267.0	2267.0
25°	2242.1	2243.8	2243.8	2245.7	2245.7	2247.4	2249.3	2249.3	2249.3	2249.3	2249.3
27.5°	2224.2	2226.1	2226.1	2226.1	2227.8	2229.6	2231.4	2233.1	2234.9	2233.1	2233.1
30°	2204.6	2204.6	2206.3	2208.2	2209.9	2211.7	2215.3	2217.1	2218.9	2217.1	2217.1
32.5°	2183.1	2185.0	2186.7	2188.5	2192.1	2195.7	2199.3	2201.0	2202.9	2201.0	2201.0
35°	2167.1	2167.1	2170.7	2174.2	2177.8	2183.1	2186.7	2190.3	2193.9	2192.1	2190.3
37.5°	2151.0	2151.0	2154.6	2159.9	2167.1	2174.2	2181.4	2186.7	2188.5	2188.5	2186.7
40°	2131.4	2133.2	2136.7	2145.7	2156.4	2165.3	2174.2	2181.4	2185.0	2185.0	2181.4
42.5°	2110.0	2111.8	2117.1	2126.0	2138.6	2149.3	2159.9	2165.3	2170.7	2170.7	2167.1
45°	2079.6	2081.4	2088.6	2097.5	2110.0	2120.7	2133.2	2138.6	2145.7	2143.9	2142.1
47.5°	2040.4	2042.1	2049.3	2058.2	2070.7	2083.2	2095.8	2104.6	2110.0	2110.0	2108.2
50°	1992.1	1994.0	2001.1	2010.0	2026.1	2040.4	2052.8	2061.8	2070.7	2070.7	2069.0
52.5°	1931.5	1935.0	1940.4	1952.9	1970.8	1986.8	2002.9	2017.2	2022.5	2024.3	2022.5
55°	1856.5	1860.1	1867.2	1881.4	1901.2	1920.8	1938.6	1954.7	1961.8	1967.2	1963.6
57.5°	1769.0	1772.6	1781.5	1797.5	1819.0	1838.6	1861.8	1879.7	1885.0	1890.4	1888.6
60°	1665.5	1670.8	1679.8	1697.6	1719.1	1740.5	1761.9	1783.3	1788.7	1795.8	1792.2
62.5°	1544.1	1549.5	1558.4	1578.0	1601.2	1620.8	1645.9	1665.5	1670.8	1678.0	1676.2
65°	1404.9	1410.2	1419.1	1440.6	1462.0	1483.4	1506.6	1528.0	1533.4	1540.5	1538.8
67.5°	1246.0	1251.4	1260.3	1285.2	1306.7	1328.1	1347.8	1369.1	1372.7	1379.9	1378.1
70°	1078.2	1085.3	1092.5	1115.7	1135.3	1153.2	1174.6	1192.4	1199.6	1203.2	1199.6
72.5°	910.4	915.8	922.9	939.0	953.2	969.3	990.7	1003.3	1008.6	1010.3	1010.3
75°	737.2	742.6	742.6	760.4	771.2	780.1	798.0	806.8	810.4	814.0	814.0
77.5°	573.0	569.4	573.0	580.2	587.3	594.5	605.1	610.5	614.1	621.3	617.7
80°	401.6	403.5	405.2	410.5	414.1	415.9	423.1	424.8	426.7	433.8	430.2
82.5°	258.9	255.3	258.9	257.0	260.6	255.3	258.9	264.2	260.6	264.2	266.0
85°	135.7	130.3	130.3	132.1	133.9	130.3	132.1	130.3	130.3	133.9	132.1
87.5°	42.8	41.1	42.8	41.1	42.8	41.1	42.8	44.7	42.8	42.8	44.7
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°	2313.5	2313.5	2313.5	2313.5	2313.5	2313.5	2313.5	2313.5
2.5°	2313.5	2313.5	2313.5	2313.5	2313.5	2313.5	2313.5	2313.5
5°	2313.5	2313.5	2313.5	2313.5	2313.5	2313.5	2313.5	2313.5
7.5°	2311.7	2311.7	2311.7	2311.7	2311.7	2311.7	2310.0	2311.7
10°	2308.1	2308.1	2308.1	2308.1	2306.4	2306.4	2306.4	2306.4
12.5°	2304.5	2304.5	2302.8	2302.8	2302.8	2302.8	2301.0	2301.0
15°	2301.0	2299.2	2299.2	2297.4	2297.4	2297.4	2295.6	2297.4
17.5°	2295.6	2293.8	2293.8	2292.1	2292.1	2290.2	2290.2	2290.2
20°	2283.2	2281.3	2281.3	2279.6	2279.6	2277.8	2276.0	2276.0
22.5°	2265.3	2265.3	2265.3	2263.5	2261.7	2261.7	2259.9	2259.9
25°	2249.3	2247.4	2247.4	2245.7	2243.8	2243.8	2242.1	2242.1
27.5°	2233.1	2231.4	2229.6	2226.1	2226.1	2224.2	2222.5	2220.6
30°	2215.3	2211.7	2208.2	2206.3	2204.6	2201.0	2199.3	2197.4
32.5°	2197.4	2193.9	2190.3	2186.7	2181.4	2179.6	2176.1	2176.1
35°	2186.7	2181.4	2176.1	2168.9	2163.5	2158.2	2154.6	2152.8
37.5°	2181.4	2174.2	2165.3	2156.4	2147.5	2140.3	2135.0	2135.0
40°	2174.2	2165.3	2154.6	2142.1	2131.4	2122.5	2117.1	2115.4
42.5°	2159.9	2151.0	2136.7	2126.0	2111.8	2102.8	2095.8	2093.9
45°	2135.0	2126.0	2113.5	2099.2	2085.0	2074.3	2067.1	2065.4
47.5°	2102.8	2092.2	2077.9	2063.6	2049.3	2036.8	2029.6	2027.9
50°	2061.8	2051.1	2036.8	2022.5	2006.4	1994.0	1985.1	1985.1
52.5°	2015.3	2002.9	1986.8	1970.8	1952.9	1940.4	1931.5	1929.7
55°	1954.7	1940.4	1924.4	1906.5	1886.9	1872.6	1861.8	1860.1
57.5°	1879.7	1863.7	1845.8	1826.2	1806.5	1790.5	1777.9	1776.2
60°	1785.1	1767.3	1749.4	1729.8	1708.3	1690.4	1678.0	1674.4
62.5°	1669.1	1649.5	1629.8	1612.0	1588.8	1570.9	1558.4	1554.8
65°	1531.6	1515.6	1496.0	1474.5	1449.5	1431.7	1419.1	1417.4
67.5°	1371.0	1354.9	1335.2	1315.6	1290.6	1274.6	1262.0	1258.5
70°	1194.3	1180.0	1163.9	1144.2	1122.8	1106.8	1094.2	1092.5
72.5°	1006.8	994.3	980.1	965.8	944.3	931.8	921.1	919.4
75°	814.0	801.5	790.8	780.1	764.0	755.1	744.4	744.4
77.5°	617.7	614.1	606.9	594.5	585.5	578.3	573.0	569.4
80°	432.0	428.4	424.8	417.7	412.4	410.5	407.0	403.5
82.5°	264.2	262.4	264.2	260.6	258.9	258.9	257.0	253.5
85°	133.9	135.7	133.9	132.1	132.1	132.1	132.1	130.3
87.5°	42.8	44.7	42.8	41.1	41.1	41.1	41.1	39.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)