

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: P92753

Luminaire Tested: **LRC-B32-7-LED-E1-WST**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P92753
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P22279)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: LRC-B32-7-LED-E1-WST
Description: LRC CANOPY LUMINAIRE
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5905.7 lumens
Efficiency: N/A
Efficacy: 80.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.9' x L: 0.9' x H: 0.1')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B2 - U0 - G0

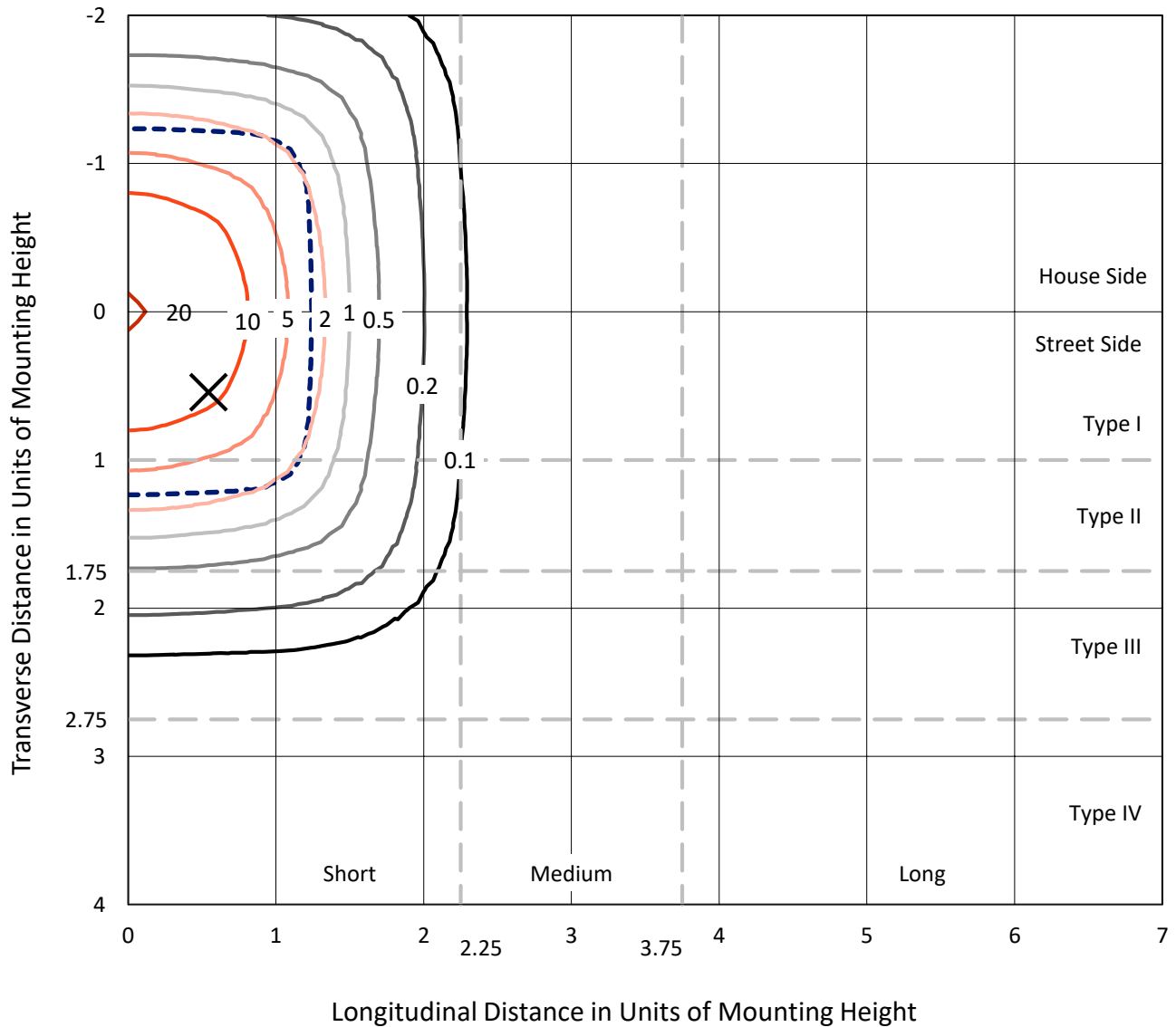
Input Watts (W): 73
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

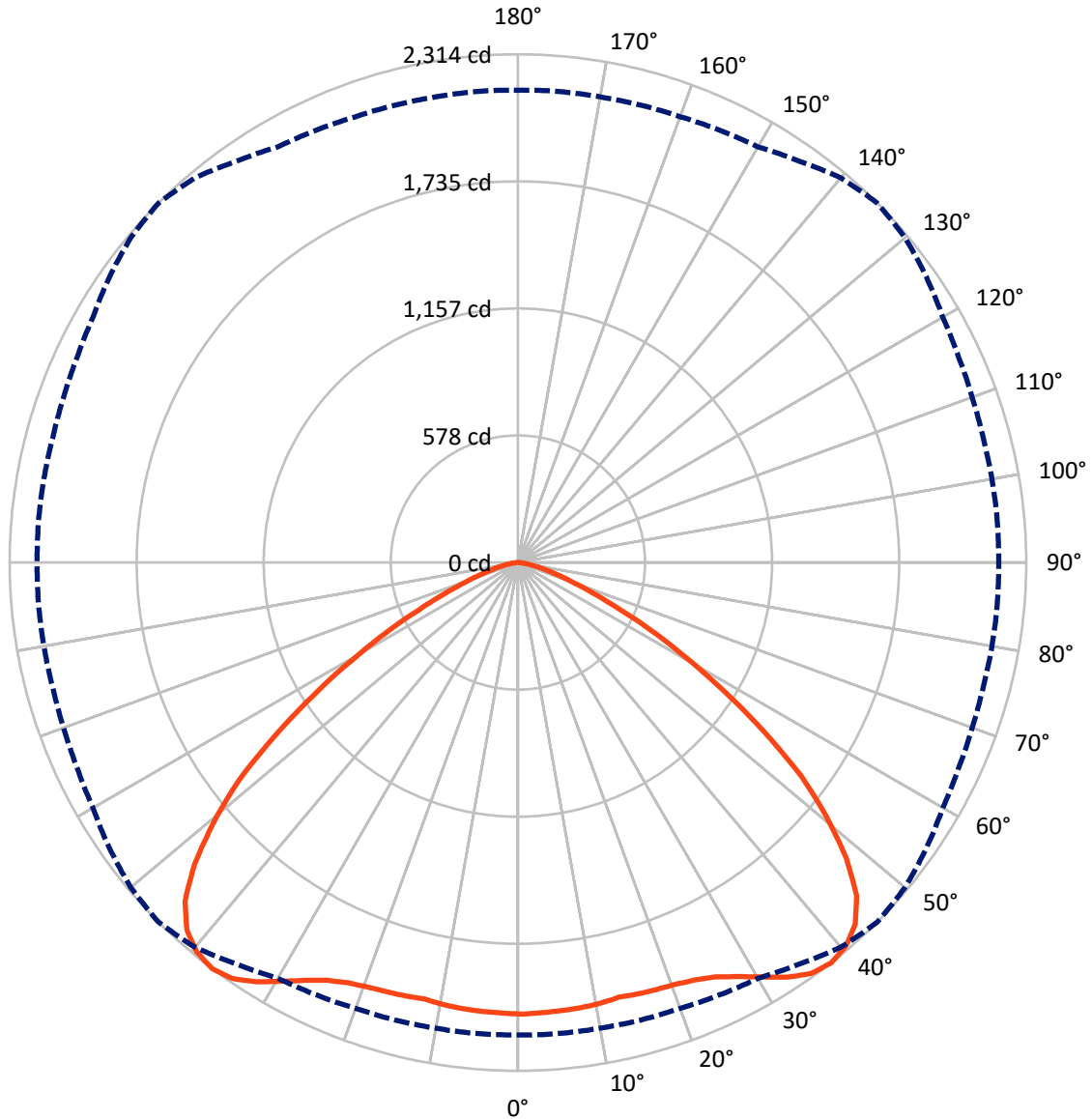
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 20.6 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 37.5-Deg Vertical

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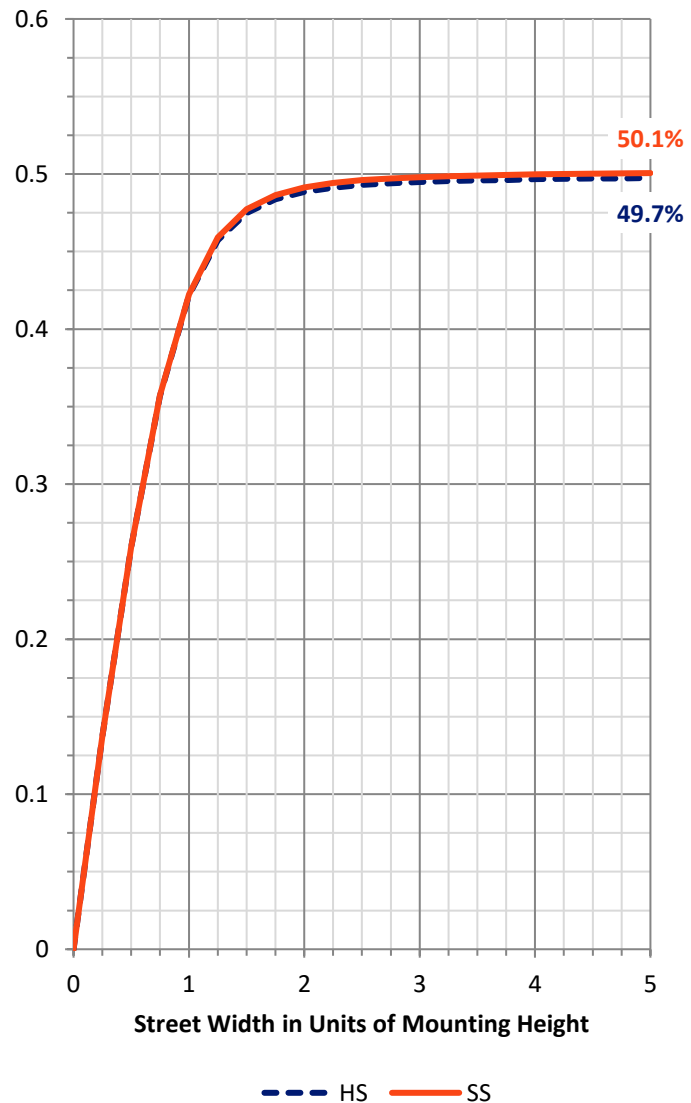
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2952.9	0.0	2952.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2952.9	0.0	2952.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	5905.7	0.0	5905.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.2	3.3
10°-20°	578.4	9.8
20°-30°	983.5	16.7
30°-40°	1386.6	23.5
40°-50°	1448.7	24.5
50°-60°	889.7	15.1
60°-70°	319.2	5.4
70°-80°	90.2	1.5
80°-90°	14.4	0.2
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°	5905.7	100.0
0°-180°	5905.7	100.0



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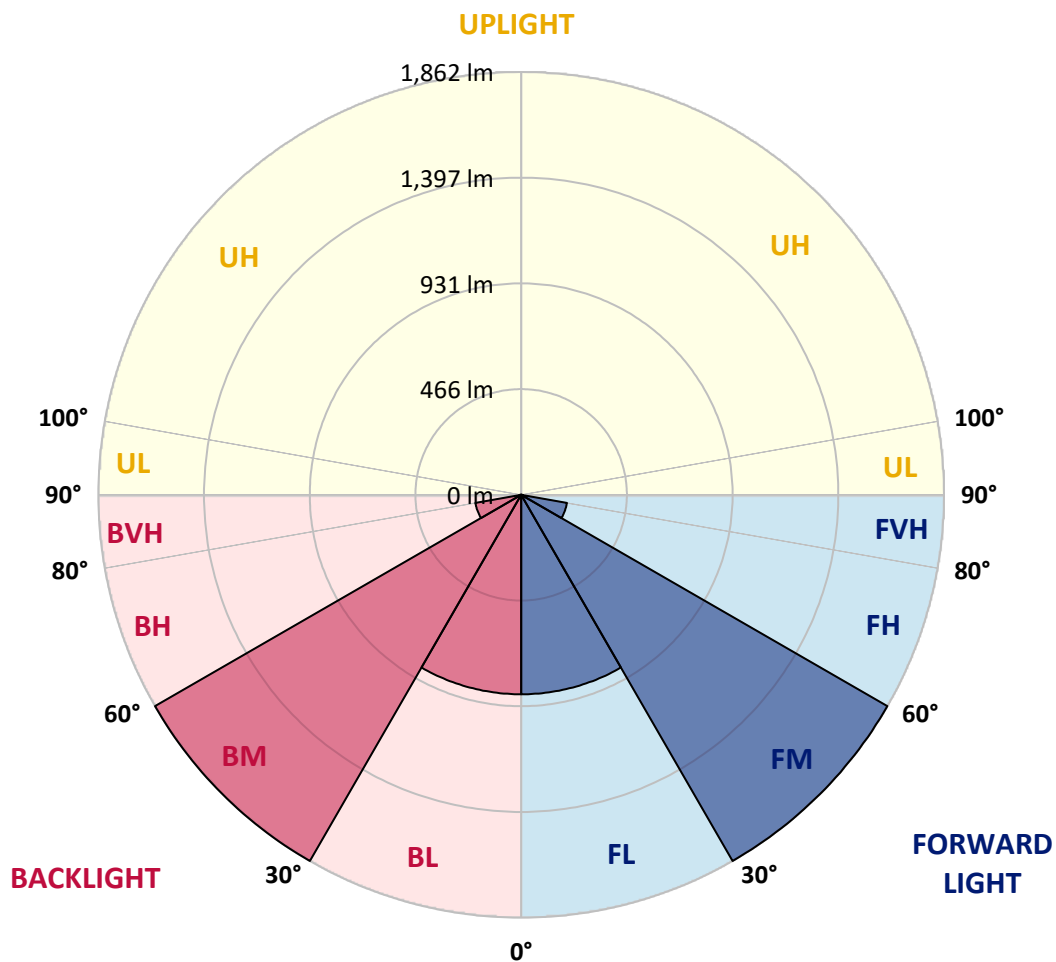
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	878.5	14.9			
FM (30°-60°)	1862.5	31.5			
FH (60°-80°)	204.7	3.5			G0/660
FVH (80°-90°)	7.2	0.1			G0/10
BL (0°-30°)	878.5	14.9	B2/1000		
BM (30°-60°)	1862.5	31.5	B2/2500		
BH (60°-80°)	204.7	3.5	B1/500		G0/660
BVH (80°-90°)	7.2	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2055.9	2055.9	2055.9	2055.9	2055.9	2055.9	2055.9	2055.9	2055.9	2055.9	2055.9
2.5°	2055.9	2052.4	2053.0	2050.9	2052.4	2050.9	2051.7	2051.7	2049.5	2051.7	2053.8
5°	2055.2	2050.9	2049.5	2048.1	2050.2	2050.9	2050.9	2050.2	2048.8	2049.5	2048.8
7.5°	2046.0	2042.4	2041.0	2041.0	2042.4	2043.8	2045.3	2046.0	2045.3	2046.6	2043.1
10°	2041.0	2036.8	2035.3	2033.8	2034.6	2033.2	2036.0	2040.2	2038.1	2041.0	2039.6
12.5°	2038.1	2033.8	2032.5	2033.8	2032.5	2033.2	2031.7	2031.7	2030.4	2031.7	2033.2
15°	2042.4	2038.9	2038.9	2038.1	2037.4	2042.4	2037.4	2036.8	2037.4	2038.1	2033.8
17.5°	2051.7	2050.9	2052.4	2050.9	2050.2	2053.0	2046.6	2046.6	2042.4	2043.1	2038.9
20°	2066.6	2063.7	2068.0	2066.6	2065.8	2063.7	2061.6	2054.5	2048.8	2049.5	2046.0
22.5°	2100.0	2097.8	2093.6	2092.1	2087.9	2082.2	2078.0	2072.2	2065.2	2063.7	2063.7
25°	2149.0	2146.9	2141.9	2136.9	2127.0	2115.6	2107.8	2100.6	2087.9	2089.3	2090.8
27.5°	2198.0	2195.9	2193.8	2185.3	2175.3	2168.2	2151.2	2139.8	2129.1	2134.1	2132.6
30°	2217.2	2218.6	2211.6	2212.2	2205.8	2201.6	2191.6	2190.2	2182.4	2189.5	2190.2
32.5°	2223.6	2224.4	2218.0	2216.5	2209.4	2209.4	2213.7	2222.9	2236.4	2250.6	2249.2
35°	2200.2	2203.0	2199.4	2200.2	2196.6	2200.2	2210.1	2235.0	2279.7	2297.6	2288.3
37.5°	2150.4	2152.5	2152.5	2156.1	2159.7	2171.7	2185.3	2231.4	2286.1	2313.9	2300.4
40°	2060.2	2060.2	2062.3	2069.4	2084.4	2107.0	2139.8	2202.3	2260.6	2297.6	2293.3
42.5°	1918.8	1920.9	1930.1	1945.7	1972.8	2005.4	2050.9	2130.5	2197.3	2251.3	2236.4
45°	1735.4	1742.5	1754.6	1776.6	1812.9	1859.0	1921.6	2011.2	2105.7	2161.8	2128.4
47.5°	1512.2	1520.8	1542.1	1573.4	1621.0	1680.7	1758.1	1862.6	1964.9	2011.2	1977.0
50°	1259.3	1266.3	1295.5	1335.3	1393.5	1467.5	1559.1	1675.0	1777.3	1822.1	1784.5
52.5°	987.1	996.3	1027.6	1074.5	1142.7	1231.5	1333.9	1457.5	1552.8	1613.9	1581.9
55°	732.0	745.5	772.4	824.3	891.1	981.4	1087.3	1215.2	1306.9	1359.5	1323.9
57.5°	538.0	547.2	569.9	611.9	670.8	753.3	859.2	977.1	1072.3	1110.1	1077.4
60°	393.0	399.4	417.1	449.1	496.0	565.6	657.4	765.4	847.8	877.6	840.7
62.5°	282.1	287.1	299.9	324.8	362.4	418.6	489.6	576.3	653.8	680.1	629.6
65°	199.0	201.9	211.1	230.9	262.3	305.6	360.3	423.5	481.1	498.2	458.4
67.5°	140.0	141.4	149.2	162.7	186.9	220.3	261.5	306.3	348.2	358.9	331.9
70°	98.1	98.8	104.5	114.4	132.9	157.7	187.6	222.4	249.5	256.5	238.8
72.5°	67.5	68.3	71.7	79.6	93.1	111.6	135.1	157.7	176.9	181.9	172.0
75°	46.2	46.9	49.1	54.7	64.0	77.5	93.8	110.8	122.3	124.4	120.1
77.5°	31.3	32.0	33.4	36.9	42.7	52.6	64.7	74.6	81.7	83.2	81.7
80°	20.6	20.6	21.3	24.1	27.7	34.1	41.2	47.6	52.6	54.7	52.6
82.5°	12.8	12.8	12.8	14.2	16.4	19.9	22.8	27.7	31.3	32.7	31.3
85°	6.4	7.1	7.1	7.9	8.5	10.0	11.3	13.5	14.9	15.6	14.9
87.5°	2.8	2.8	2.8	2.8	3.6	3.6	4.3	4.3	4.9	4.9	4.9
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°	2055.9	2055.9	2055.9	2055.9	2055.9	2055.9	2055.9	2055.9
2.5°	2053.0	2053.0	2054.5	2052.4	2052.4	2050.2	2054.5	2053.8
5°	2049.5	2048.8	2048.8	2048.1	2047.4	2046.0	2048.8	2047.4
7.5°	2043.8	2044.5	2043.8	2043.1	2042.4	2040.2	2043.1	2043.1
10°	2037.4	2033.8	2031.0	2033.2	2033.2	2033.2	2032.5	2031.7
12.5°	2033.2	2031.0	2028.2	2029.6	2026.8	2026.1	2028.2	2026.1
15°	2033.2	2029.6	2028.9	2027.4	2028.2	2031.0	2034.6	2030.4
17.5°	2037.4	2036.8	2039.6	2041.0	2041.0	2042.4	2046.0	2045.3
20°	2047.4	2046.0	2047.4	2050.2	2054.5	2053.8	2058.1	2059.4
22.5°	2065.8	2062.3	2063.7	2075.1	2081.5	2082.9	2088.6	2090.0
25°	2096.4	2097.8	2102.8	2116.3	2123.4	2130.5	2136.9	2139.0
27.5°	2139.0	2141.2	2148.3	2157.6	2166.8	2170.4	2174.6	2177.4
30°	2190.9	2189.5	2188.8	2183.8	2190.2	2190.9	2197.3	2200.9
32.5°	2235.0	2215.1	2203.7	2195.2	2201.6	2210.8	2213.7	2216.5
35°	2254.9	2227.9	2215.1	2216.5	2219.3	2221.5	2222.2	2229.3
37.5°	2269.1	2233.6	2213.7	2200.9	2192.4	2190.9	2190.2	2188.8
40°	2249.9	2200.2	2160.4	2136.9	2125.6	2116.3	2111.3	2109.9
42.5°	2177.4	2107.0	2065.2	2038.9	2017.6	1999.0	1990.5	1989.1
45°	2055.9	1987.7	1940.8	1894.6	1855.5	1831.3	1815.7	1808.6
47.5°	1898.9	1832.1	1759.6	1692.1	1638.8	1598.2	1575.5	1563.4
50°	1715.5	1623.1	1527.9	1443.3	1377.3	1328.9	1302.6	1289.1
52.5°	1495.2	1381.5	1263.5	1168.3	1088.0	1028.3	994.2	985.0
55°	1241.5	1115.0	981.4	874.1	789.5	732.0	698.6	688.6
57.5°	972.2	840.0	717.1	620.4	552.9	511.0	489.0	479.0
60°	730.6	611.9	515.2	443.5	396.6	368.1	351.8	346.8
62.5°	538.7	445.6	373.1	324.0	288.5	267.9	255.9	250.8
65°	393.0	325.5	272.2	236.7	211.8	195.5	186.9	182.7
67.5°	284.3	238.8	200.4	174.1	154.9	142.8	137.2	134.3
70°	210.4	175.5	147.1	127.2	113.7	104.5	100.2	98.8
72.5°	152.1	127.9	108.0	93.1	83.2	76.8	73.2	73.2
75°	108.0	93.1	77.5	66.8	58.9	54.7	52.6	52.6
77.5°	74.6	65.3	54.7	46.9	41.2	38.4	36.9	36.3
80°	47.6	42.7	36.3	31.3	27.7	25.6	24.9	24.1
82.5°	27.7	24.1	21.3	18.5	16.4	15.6	14.9	14.9
85°	13.5	12.1	10.7	10.0	8.5	8.5	7.9	7.9
87.5°	4.9	4.3	3.6	3.6	3.6	3.6	3.6	3.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)