

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: P197700

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197700
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115363)
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-MQ-CG-MS/DIM-7060
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
MEDIUM DISTRIBUTION WITH CLEAR GLASS LENS AND DIMMING OCCUPANCY SENSOR
Light Source: (160) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10473.6 lumens
Efficiency: N/A
Efficacy: 97.0 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 (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



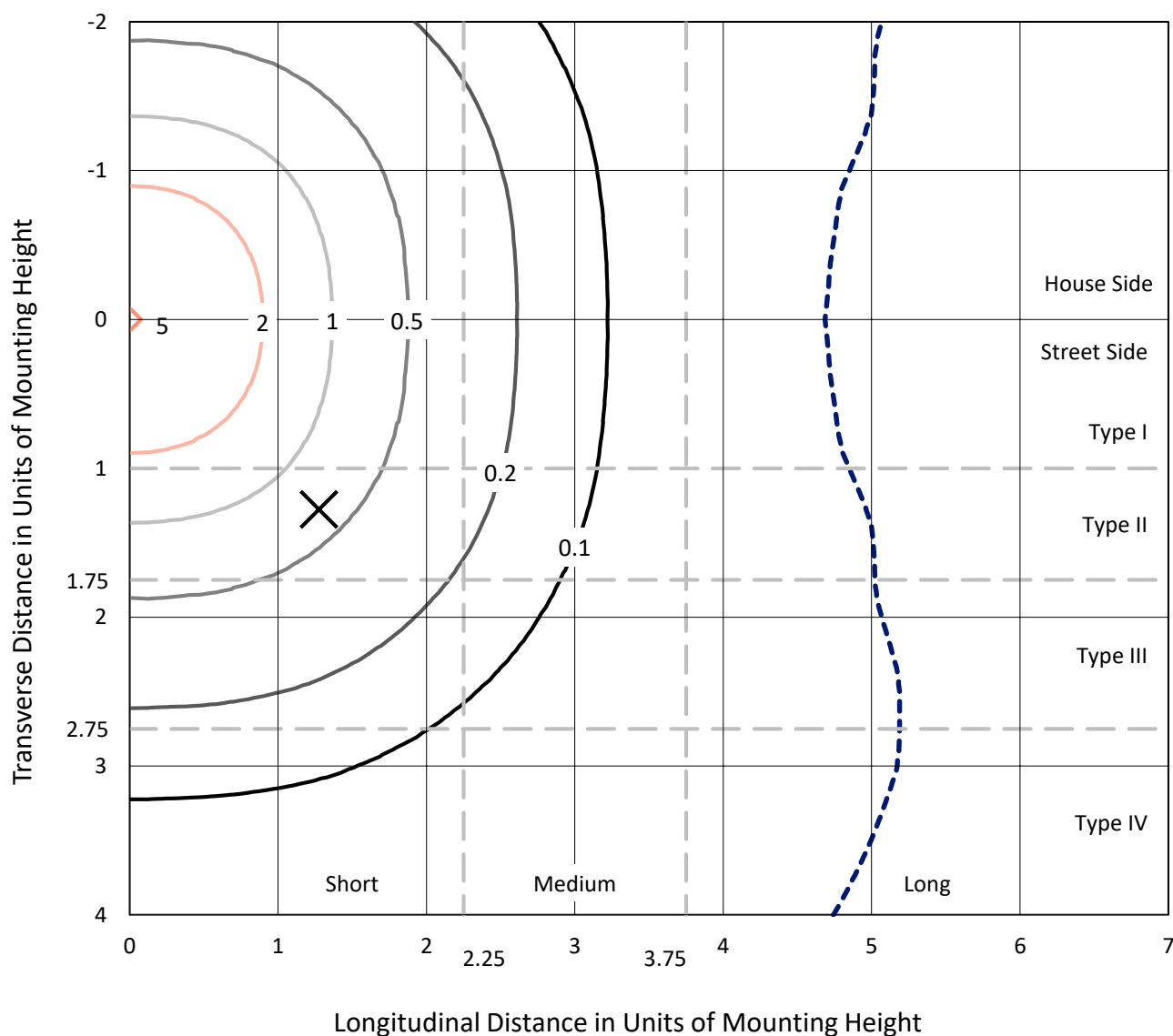
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

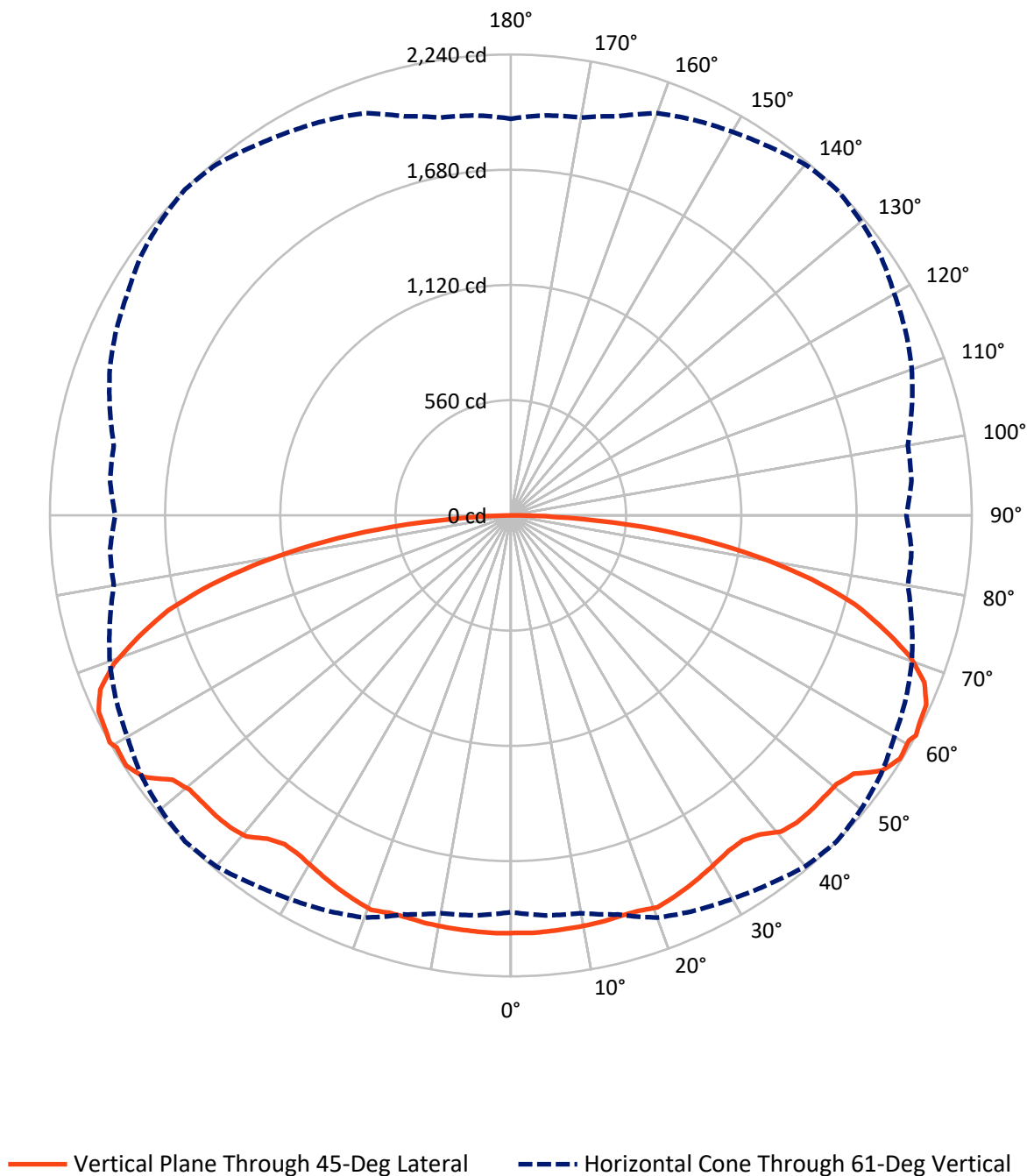


Based on 20 foot mounting height. Maximum calculated value = 5.1 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5236.8	0.0	5236.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5236.8	0.0	5236.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	10473.6	0.0	10473.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.6	1.8
10°-20°	572.3	5.5
20°-30°	920.9	8.8
30°-40°	1219.9	11.6
40°-50°	1540.5	14.7
50°-60°	1845.9	17.6
60°-70°	2018.3	19.3
70°-80°	1615.7	15.4
80°-90°	546.6	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°	10473.6	100.0
0°-180°	10473.6	100.0

Coefficient of Utilization



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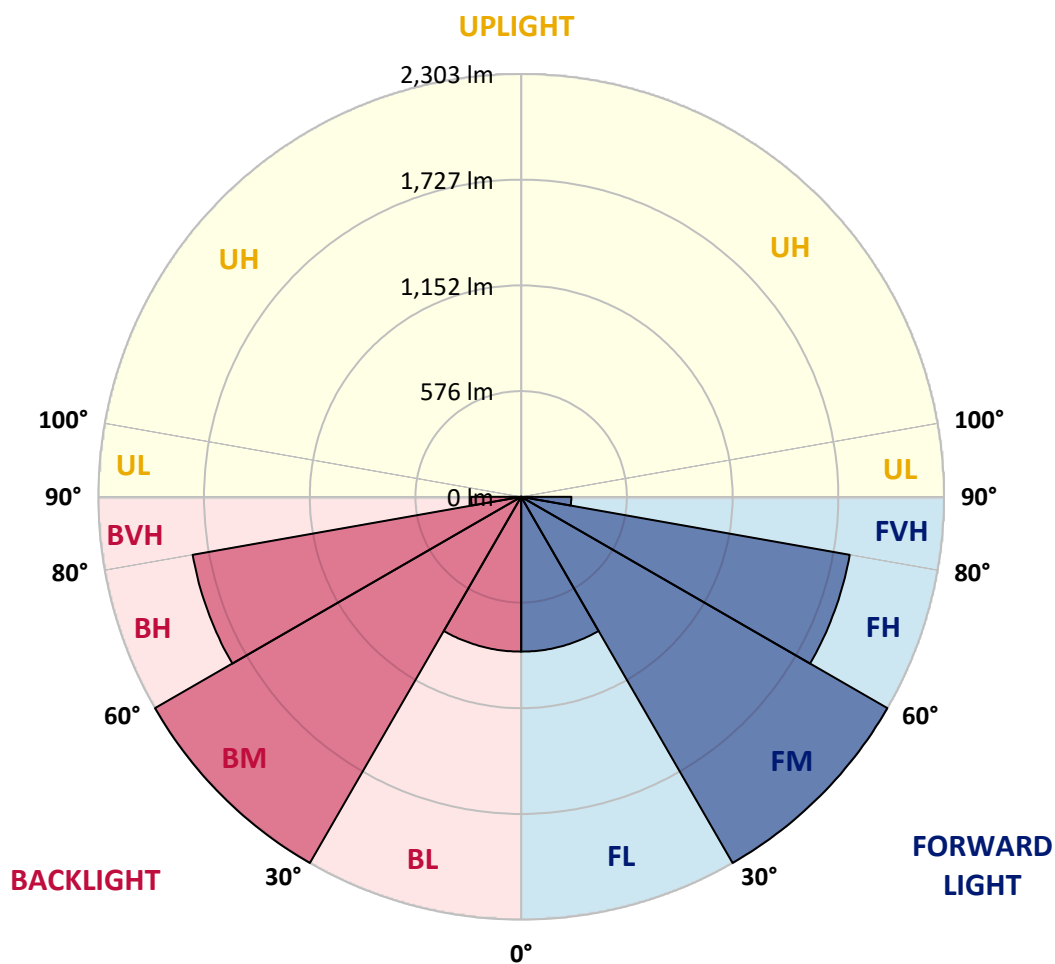
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	843.4	8.1			
FM	(30°-60°)	2303.1	22.0			
FH	(60°-80°)	1817.0	17.3			G2/5000
FVH	(80°-90°)	273.3	2.6			G3/500
BL	(0°-30°)	843.4	8.1	B2/1000		
BM	(30°-60°)	2303.1	22.0	B2/2500		
BH	(60°-80°)	1817.0	17.3	B3/2500		G2/5000
BVH	(80°-90°)	273.3	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°	2029.2	2029.2	2029.2	2029.2	2029.2	2029.2	2029.2	2029.2	2029.2	2029.2	2029.2
2.5°	2031.2	2029.2	2031.2	2031.2	2031.2	2031.2	2031.2	2031.2	2031.2	2031.2	2031.2
5°	2029.2	2029.2	2029.2	2029.2	2029.2	2029.2	2029.2	2029.2	2029.2	2029.2	2029.2
7.5°	2027.2	2027.2	2027.2	2027.2	2027.2	2027.2	2027.2	2027.2	2029.2	2027.2	2029.2
10°	2023.3	2023.3	2023.3	2023.3	2025.4	2025.4	2025.4	2025.4	2025.4	2025.4	2025.4
12.5°	2019.5	2019.5	2019.5	2019.5	2021.3	2021.3	2021.3	2021.3	2023.3	2023.3	2021.3
15°	2015.5	2013.7	2013.7	2015.5	2015.5	2017.5	2017.5	2017.5	2019.5	2017.5	2017.5
17.5°	2011.6	2009.6	2011.6	2013.7	2013.7	2015.5	2017.5	2017.5	2019.5	2019.5	2019.5
20°	2017.5	2015.5	2017.5	2019.5	2021.3	2025.4	2027.2	2029.2	2031.2	2033.2	2033.2
22.5°	2005.8	2003.8	2005.8	2005.8	2007.8	2009.6	2013.7	2015.5	2017.5	2017.5	2017.5
25°	1988.3	1988.3	1990.3	1990.3	1992.1	1994.1	1996.1	1997.9	1997.9	1999.9	1997.9
27.5°	1968.7	1968.7	1970.7	1970.7	1974.5	1974.5	1976.6	1978.6	1980.4	1980.4	1980.4
30°	1945.3	1945.3	1947.3	1949.1	1953.2	1955.0	1957.0	1959.0	1960.8	1960.8	1960.8
32.5°	1924.0	1921.9	1924.0	1927.8	1933.6	1937.4	1941.5	1943.3	1943.3	1943.3	1945.3
35°	1906.2	1908.2	1912.0	1916.1	1924.0	1927.8	1931.6	1937.4	1939.5	1939.5	1939.5
37.5°	1910.2	1912.0	1918.1	1925.8	1935.6	1947.3	1955.0	1962.8	1968.7	1966.7	1964.9
40°	1935.6	1939.5	1949.1	1960.8	1976.6	1992.1	2003.8	2013.7	2019.5	2021.3	2019.5
42.5°	1939.5	1943.3	1951.2	1968.7	1986.2	2003.8	2019.5	2029.2	2037.0	2039.1	2037.0
45°	1937.4	1937.4	1949.1	1968.7	1986.2	2003.8	2023.3	2037.0	2044.9	2044.9	2044.9
47.5°	1924.0	1929.8	1937.4	1957.0	1980.4	1997.9	2017.5	2031.2	2040.9	2046.7	2040.9
50°	1924.0	1924.0	1937.4	1951.2	1972.5	2003.8	2031.2	2044.9	2054.6	2052.6	2054.6
52.5°	1919.9	1931.6	1939.5	1959.0	1997.9	2029.2	2050.8	2070.1	2083.8	2085.8	2081.8
55°	1955.0	1957.0	1974.5	2011.6	2048.7	2083.8	2122.9	2152.2	2175.5	2189.3	2169.7
57.5°	1982.4	1972.5	2007.8	2039.1	2081.8	2134.6	2193.1	2216.5	2234.0	2230.2	2236.0
60°	1945.3	1959.0	1984.4	2017.5	2085.8	2138.4	2169.7	2195.1	2216.5	2222.3	2214.7
61°	1927.8	1951.2	1962.8	2007.8	2080.0	2118.9	2152.2	2187.2	2226.4	2239.9	2222.3
62.5°	1898.5	1935.6	1931.6	2003.8	2048.7	2093.7	2156.0	2196.9	2224.3	2228.2	2224.3
65°	1900.3	1894.5	1939.5	1992.1	2037.0	2117.1	2169.7	2195.1	2210.6	2218.5	2214.7
67.5°	1838.1	1818.5	1873.1	1910.2	1986.2	2048.7	2099.6	2136.4	2160.0	2167.7	2158.0
70°	1693.7	1707.2	1746.3	1803.0	1865.3	1941.5	1988.3	2037.0	2056.6	2058.4	2058.4
72.5°	1555.0	1562.9	1602.0	1654.6	1726.8	1793.1	1839.9	1879.0	1896.5	1898.5	1902.4
75°	1371.7	1379.4	1424.4	1473.1	1545.3	1602.0	1635.0	1681.8	1707.2	1728.8	1711.3
77.5°	1159.0	1172.5	1207.8	1260.5	1326.8	1358.0	1416.5	1471.1	1488.7	1494.5	1488.7
80°	918.9	936.5	967.7	1038.1	1067.3	1118.1	1174.6	1197.9	1213.7	1217.5	1219.5
82.5°	661.5	675.2	708.2	757.0	790.3	831.2	870.1	899.6	917.1	913.1	911.3
85°	390.3	394.1	429.2	462.5	487.9	513.1	544.3	565.9	569.7	577.6	575.6
87.5°	117.1	118.9	134.7	152.2	163.9	175.6	195.2	220.6	226.4	210.7	212.7
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°	2029.2	2029.2	2029.2	2029.2	2029.2	2029.2	2029.2	2029.2
2.5°	2031.2	2031.2	2031.2	2031.2	2031.2	2031.2	2029.2	2031.2
5°	2029.2	2029.2	2029.2	2029.2	2029.2	2029.2	2029.2	2029.2
7.5°	2029.2	2027.2	2027.2	2027.2	2027.2	2027.2	2027.2	2027.2
10°	2025.4	2025.4	2025.4	2025.4	2023.3	2023.3	2023.3	2023.3
12.5°	2021.3	2021.3	2021.3	2021.3	2019.5	2019.5	2019.5	2019.5
15°	2017.5	2017.5	2017.5	2017.5	2015.5	2015.5	2015.5	2015.5
17.5°	2019.5	2017.5	2015.5	2015.5	2013.7	2011.6	2011.6	2011.6
20°	2031.2	2029.2	2025.4	2021.3	2019.5	2017.5	2017.5	2017.5
22.5°	2015.5	2013.7	2009.6	2007.8	2007.8	2005.8	2003.8	2003.8
25°	1997.9	1994.1	1994.1	1992.1	1992.1	1988.3	1988.3	1986.2
27.5°	1978.6	1976.6	1974.5	1972.5	1972.5	1970.7	1968.7	1966.7
30°	1960.8	1957.0	1953.2	1951.2	1949.1	1947.3	1947.3	1947.3
32.5°	1943.3	1939.5	1937.4	1931.6	1927.8	1925.8	1924.0	1924.0
35°	1937.4	1931.6	1927.8	1921.9	1916.1	1912.0	1910.2	1906.2
37.5°	1960.8	1953.2	1947.3	1937.4	1924.0	1918.1	1912.0	1910.2
40°	2011.6	2003.8	1992.1	1976.6	1960.8	1949.1	1939.5	1935.6
42.5°	2029.2	2019.5	2003.8	1988.3	1968.7	1951.2	1943.3	1939.5
45°	2035.0	2025.4	2003.8	1984.4	1966.7	1951.2	1939.5	1935.6
47.5°	2029.2	2015.5	1996.1	1980.4	1955.0	1935.6	1927.8	1921.9
50°	2042.9	2031.2	2005.8	1970.7	1949.1	1937.4	1924.0	1921.9
52.5°	2070.1	2048.7	2025.4	1999.9	1959.0	1935.6	1927.8	1918.1
55°	2152.2	2122.9	2081.8	2040.9	2015.5	1978.6	1955.0	1955.0
57.5°	2214.7	2191.1	2138.4	2083.8	2037.0	2009.6	1974.5	1976.6
60°	2196.9	2165.9	2140.5	2085.8	2019.5	1982.4	1968.7	1943.3
61°	2195.1	2152.2	2117.1	2074.1	2017.5	1959.0	1955.0	1921.9
62.5°	2198.9	2160.0	2093.7	2048.7	2005.8	1929.8	1927.8	1896.5
65°	2195.1	2158.0	2124.7	2040.9	1982.4	1951.2	1884.8	1910.2
67.5°	2134.6	2101.4	2040.9	1994.1	1904.4	1865.3	1828.2	1828.2
70°	2039.1	1990.3	1931.6	1873.1	1812.7	1746.3	1713.1	1693.7
72.5°	1879.0	1838.1	1791.1	1728.8	1654.6	1594.1	1562.9	1549.1
75°	1678.0	1633.2	1592.1	1545.3	1467.3	1416.5	1383.4	1373.5
77.5°	1467.3	1428.2	1356.0	1311.3	1258.4	1200.0	1170.7	1159.0
80°	1197.9	1176.6	1125.8	1053.6	1028.2	956.0	936.5	918.9
82.5°	899.6	876.0	829.2	778.6	747.4	706.2	671.1	667.3
85°	565.9	550.2	521.0	483.9	445.0	421.3	390.3	398.0
87.5°	210.7	201.0	183.5	160.1	142.3	126.8	111.3	117.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)