

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: P197699

Luminaire Tested: **TT-C6-LED-E1-MQ-CG-MS/DIM-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197699
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-7050
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
MEDIUM DISTRIBUTION WITH CLEAR GLASS LENS AND DIMMING OCCUPANCY SENSOR
Light Source: (160) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10553.3 lumens
Efficiency: N/A
Efficacy: 97.7 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



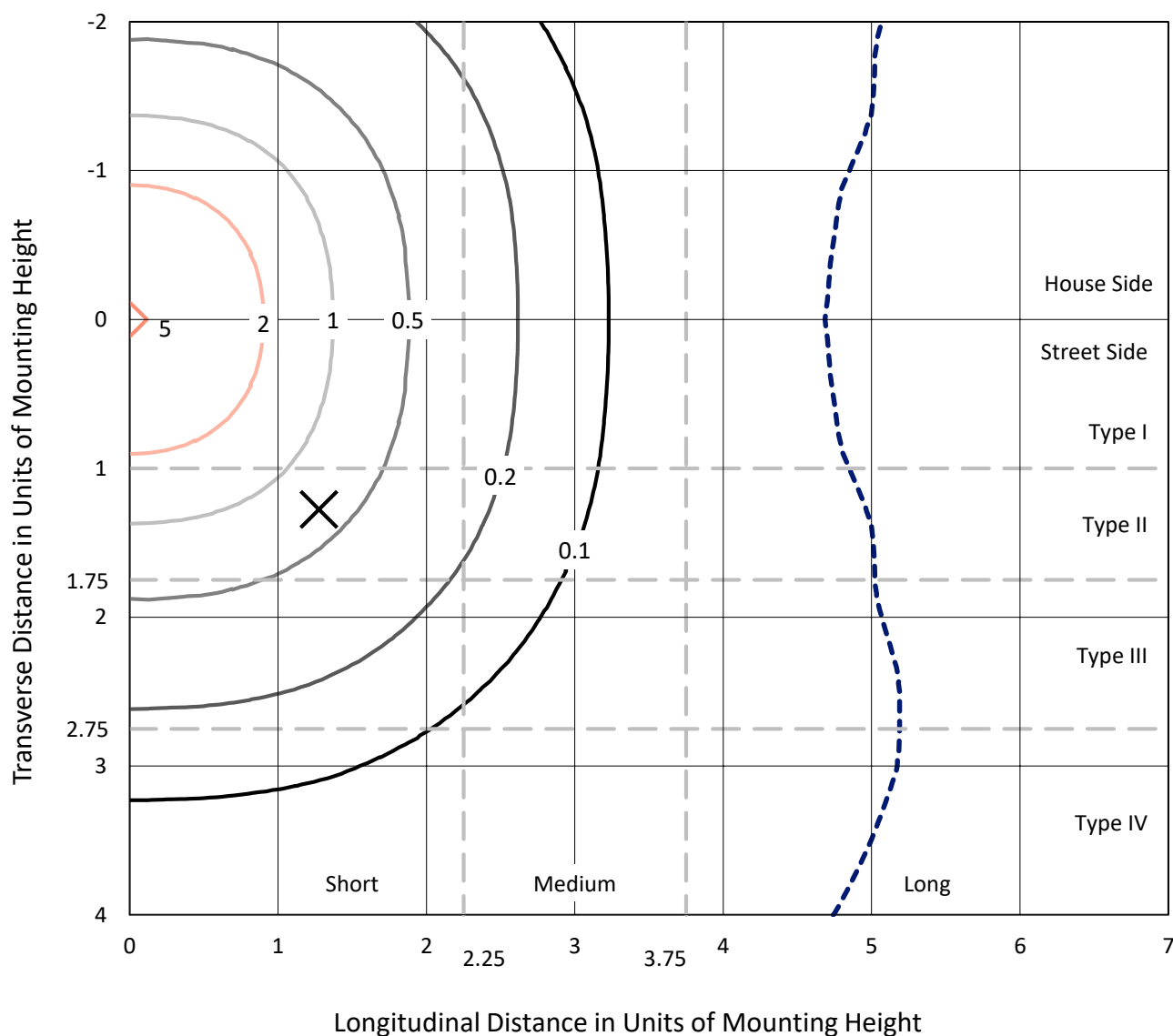
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

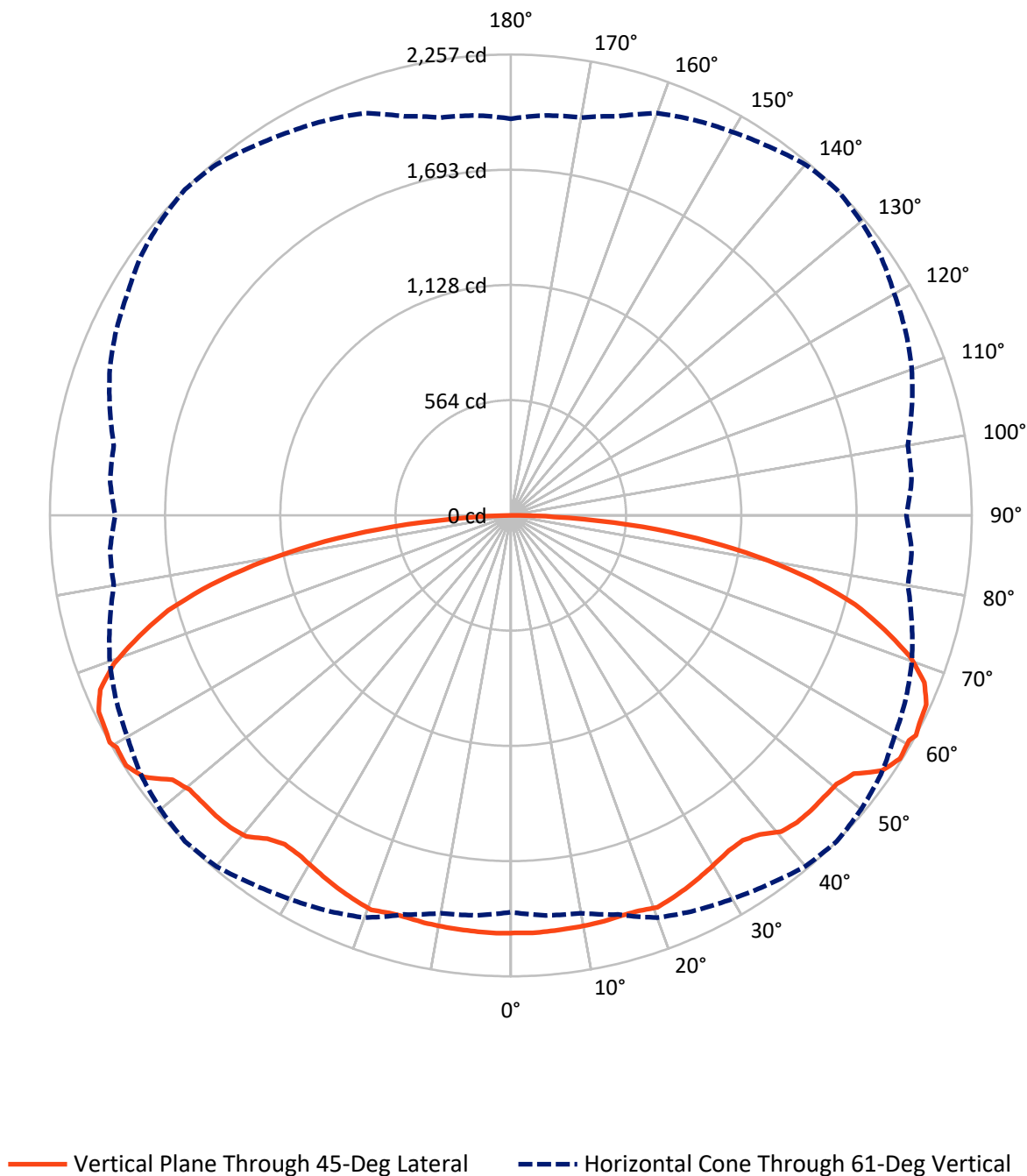


Based on 20 foot mounting height. Maximum calculated value = 5.1 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5276.7	0.0	5276.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5276.7	0.0	5276.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	10553.3	0.0	10553.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.0	1.8
10°-20°	576.7	5.5
20°-30°	927.9	8.8
30°-40°	1229.2	11.6
40°-50°	1552.2	14.7
50°-60°	1859.9	17.6
60°-70°	2033.7	19.3
70°-80°	1628.0	15.4
80°-90°	550.8	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°	10553.3	100.0
0°-180°	10553.3	100.0

Coefficient of Utilization



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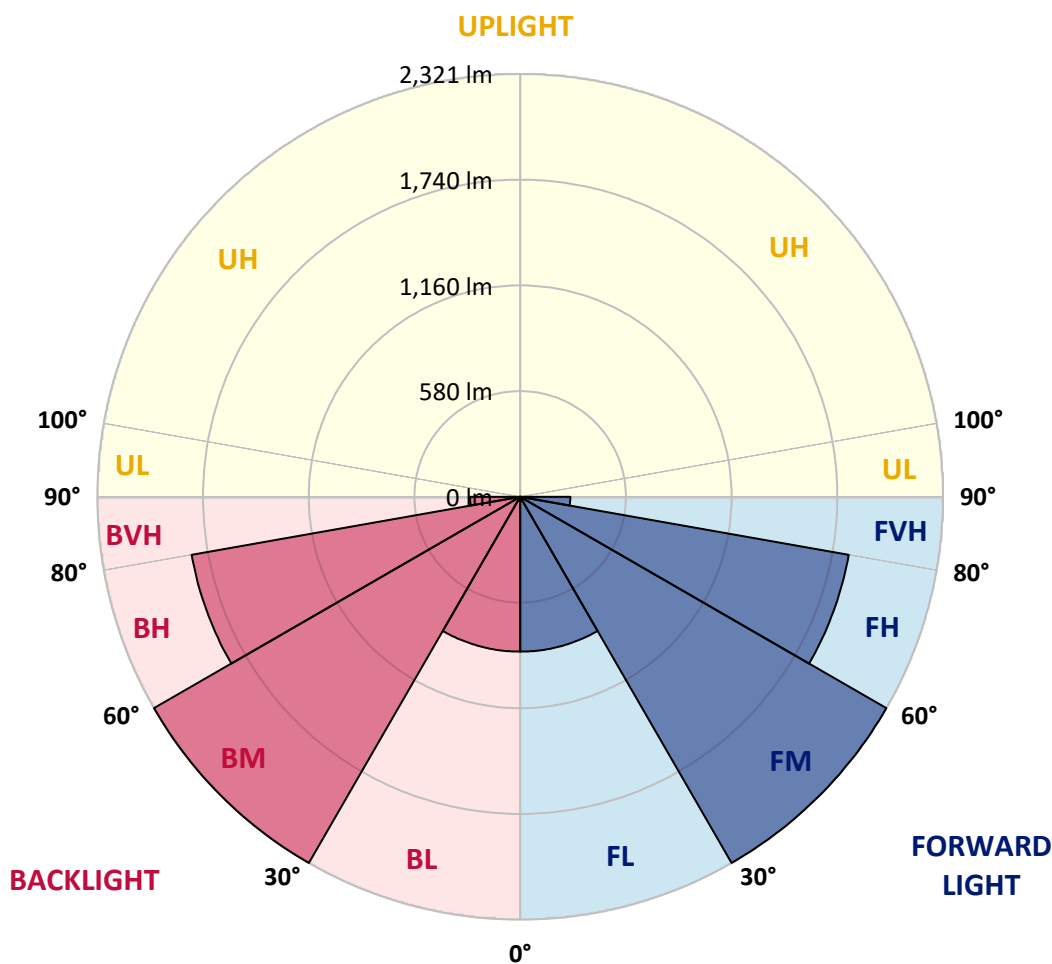
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	849.8	8.1			
FM	(30°-60°)	2320.7	22.0			
FH	(60°-80°)	1830.8	17.3			G2/5000
FVH	(80°-90°)	275.4	2.6			G3/500
BL	(0°-30°)	849.8	8.1	B2/1000		
BM	(30°-60°)	2320.7	22.0	B2/2500		
BH	(60°-80°)	1830.8	17.3	B3/2500		G2/5000
BVH	(80°-90°)	275.4	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°	2044.6	2044.6	2044.6	2044.6	2044.6	2044.6	2044.6	2044.6	2044.6	2044.6	2044.6
2.5°	2046.7	2044.6	2046.7	2046.7	2046.7	2046.7	2046.7	2046.7	2046.7	2046.7	2046.7
5°	2044.6	2044.6	2044.6	2044.6	2044.6	2044.6	2044.6	2044.6	2044.6	2044.6	2044.6
7.5°	2042.6	2042.6	2042.6	2042.6	2042.6	2042.6	2042.6	2042.6	2044.6	2042.6	2044.6
10°	2038.7	2038.7	2038.7	2038.7	2040.8	2040.8	2040.8	2040.8	2040.8	2040.8	2040.8
12.5°	2034.9	2034.9	2034.9	2034.9	2036.7	2036.7	2036.7	2036.7	2038.7	2038.7	2036.7
15°	2030.8	2029.0	2029.0	2030.8	2030.8	2032.8	2032.8	2032.8	2034.9	2032.8	2032.8
17.5°	2026.9	2024.9	2026.9	2029.0	2029.0	2030.8	2032.8	2032.8	2034.9	2034.9	2034.9
20°	2032.8	2030.8	2032.8	2034.9	2036.7	2040.8	2042.6	2044.6	2046.7	2048.7	2048.7
22.5°	2021.1	2019.0	2021.1	2021.1	2023.1	2024.9	2029.0	2030.8	2032.8	2032.8	2032.8
25°	2003.4	2003.4	2005.4	2005.4	2007.2	2009.3	2011.3	2013.1	2013.1	2015.2	2013.1
27.5°	1983.7	1983.7	1985.7	1985.7	1989.6	1989.6	1991.6	1993.6	1995.5	1995.5	1995.5
30°	1960.1	1960.1	1962.2	1964.0	1968.0	1969.9	1971.9	1973.9	1975.7	1975.7	1975.7
32.5°	1938.6	1936.6	1938.6	1942.4	1948.3	1952.2	1956.3	1958.1	1958.1	1958.1	1960.1
35°	1920.7	1922.7	1926.6	1930.7	1938.6	1942.4	1946.3	1952.2	1954.2	1954.2	1954.2
37.5°	1924.8	1926.6	1932.7	1940.4	1950.4	1962.2	1969.9	1977.8	1983.7	1981.6	1979.8
40°	1950.4	1954.2	1964.0	1975.7	1991.6	2007.2	2019.0	2029.0	2034.9	2036.7	2034.9
42.5°	1954.2	1958.1	1966.0	1983.7	2001.3	2019.0	2034.9	2044.6	2052.5	2054.6	2052.5
45°	1952.2	1952.2	1964.0	1983.7	2001.3	2019.0	2038.7	2052.5	2060.5	2060.5	2060.5
47.5°	1938.6	1944.5	1952.2	1971.9	1995.5	2013.1	2032.8	2046.7	2056.4	2062.3	2056.4
50°	1938.6	1938.6	1952.2	1966.0	1987.5	2019.0	2046.7	2060.5	2070.2	2068.2	2070.2
52.5°	1934.5	1946.3	1954.2	1973.9	2013.1	2044.6	2066.4	2085.8	2099.7	2101.7	2097.6
55°	1969.9	1971.9	1989.6	2026.9	2064.3	2099.7	2139.1	2168.5	2192.1	2205.9	2186.2
57.5°	1997.5	1987.5	2023.1	2054.6	2097.6	2150.9	2209.8	2233.3	2251.0	2247.2	2253.0
60°	1960.1	1973.9	1999.5	2032.8	2101.7	2154.7	2186.2	2211.8	2233.3	2239.2	2231.5
61°	1942.4	1966.0	1977.8	2023.1	2095.8	2135.0	2168.5	2203.9	2243.3	2256.9	2239.2
62.5°	1913.0	1950.4	1946.3	2019.0	2064.3	2109.6	2172.4	2213.6	2241.3	2245.1	2241.3
65°	1914.8	1908.9	1954.2	2007.2	2052.5	2133.2	2186.2	2211.8	2227.4	2235.4	2231.5
67.5°	1852.0	1832.3	1887.4	1924.8	2001.3	2064.3	2115.5	2152.7	2176.5	2184.2	2174.4
70°	1706.6	1720.2	1759.6	1816.7	1879.5	1956.3	2003.4	2052.5	2072.3	2074.1	2074.1
72.5°	1566.8	1574.8	1614.2	1667.2	1739.9	1806.7	1853.9	1893.3	1911.0	1913.0	1916.8
75°	1382.2	1389.9	1435.2	1484.4	1557.1	1614.2	1647.5	1694.6	1720.2	1741.9	1724.3
77.5°	1167.9	1181.5	1217.0	1270.0	1336.9	1368.4	1427.3	1482.3	1500.0	1505.9	1500.0
80°	925.9	943.6	975.1	1046.0	1075.4	1126.6	1183.5	1207.1	1222.9	1226.8	1228.8
82.5°	666.5	680.3	713.6	762.8	796.3	837.6	876.7	906.4	924.1	920.0	918.2
85°	393.3	397.1	432.5	466.0	491.6	517.0	548.5	570.2	574.1	582.0	580.0
87.5°	118.0	119.8	135.7	153.4	165.2	176.9	196.6	222.2	228.1	212.3	214.3
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°	2044.6	2044.6	2044.6	2044.6	2044.6	2044.6	2044.6	2044.6
2.5°	2046.7	2046.7	2046.7	2046.7	2046.7	2046.7	2044.6	2046.7
5°	2044.6	2044.6	2044.6	2044.6	2044.6	2044.6	2044.6	2044.6
7.5°	2044.6	2042.6	2042.6	2042.6	2042.6	2042.6	2042.6	2042.6
10°	2040.8	2040.8	2040.8	2040.8	2038.7	2038.7	2038.7	2038.7
12.5°	2036.7	2036.7	2036.7	2036.7	2034.9	2034.9	2034.9	2034.9
15°	2032.8	2032.8	2032.8	2032.8	2030.8	2030.8	2030.8	2030.8
17.5°	2034.9	2032.8	2030.8	2030.8	2029.0	2026.9	2026.9	2026.9
20°	2046.7	2044.6	2040.8	2036.7	2034.9	2032.8	2032.8	2032.8
22.5°	2030.8	2029.0	2024.9	2023.1	2023.1	2021.1	2019.0	2019.0
25°	2013.1	2009.3	2009.3	2007.2	2007.2	2003.4	2003.4	2001.3
27.5°	1993.6	1991.6	1989.6	1987.5	1987.5	1985.7	1983.7	1981.6
30°	1975.7	1971.9	1968.0	1966.0	1964.0	1962.2	1962.2	1962.2
32.5°	1958.1	1954.2	1952.2	1946.3	1942.4	1940.4	1938.6	1938.6
35°	1952.2	1946.3	1942.4	1936.6	1930.7	1926.6	1924.8	1920.7
37.5°	1975.7	1968.0	1962.2	1952.2	1938.6	1932.7	1926.6	1924.8
40°	2026.9	2019.0	2007.2	1991.6	1975.7	1964.0	1954.2	1950.4
42.5°	2044.6	2034.9	2019.0	2003.4	1983.7	1966.0	1958.1	1954.2
45°	2050.5	2040.8	2019.0	1999.5	1981.6	1966.0	1954.2	1950.4
47.5°	2044.6	2030.8	2011.3	1995.5	1969.9	1950.4	1942.4	1936.6
50°	2058.4	2046.7	2021.1	1985.7	1964.0	1952.2	1938.6	1936.6
52.5°	2085.8	2064.3	2040.8	2015.2	1973.9	1950.4	1942.4	1932.7
55°	2168.5	2139.1	2097.6	2056.4	2030.8	1993.6	1969.9	1969.9
57.5°	2231.5	2207.7	2154.7	2099.7	2052.5	2024.9	1989.6	1991.6
60°	2213.6	2182.4	2156.8	2101.7	2034.9	1997.5	1983.7	1958.1
61°	2211.8	2168.5	2133.2	2089.9	2032.8	1973.9	1969.9	1936.6
62.5°	2215.7	2176.5	2109.6	2064.3	2021.1	1944.5	1942.4	1911.0
65°	2211.8	2174.4	2140.9	2056.4	1997.5	1966.0	1899.2	1924.8
67.5°	2150.9	2117.3	2056.4	2009.3	1918.9	1879.5	1842.1	1842.1
70°	2054.6	2005.4	1946.3	1887.4	1826.4	1759.6	1726.1	1706.6
72.5°	1893.3	1852.0	1804.7	1741.9	1667.2	1606.2	1574.8	1560.9
75°	1690.7	1645.7	1604.2	1557.1	1478.5	1427.3	1394.0	1384.0
77.5°	1478.5	1439.0	1366.3	1321.2	1268.0	1209.1	1179.6	1167.9
80°	1207.1	1185.5	1134.3	1061.6	1036.0	963.3	943.6	925.9
82.5°	906.4	882.6	835.5	784.5	753.1	711.6	676.3	672.4
85°	570.2	554.4	524.9	487.5	448.3	424.6	393.3	401.0
87.5°	212.3	202.5	184.9	161.3	143.4	127.8	112.1	118.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)