Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P821329

Luminaire Tested: **TT-D5-740-24VDC-MQ**

Issue Date: 2/12/2020

Report Generated By 670245763

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P821329
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1908-473-16)
Test Lab:	INNOVATIONS CENTER
Issue Date:	2/12/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	TT-D5-740-24VDC-MQ
Description:	TOPTIER LED PARKING GARAGE LUMINAIRE
	4000K, 70 CRI LEDS AND MEDIUM DISTRIBUTION
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	10072 lumens
Efficiency:	N/A
Efficacy:	138.0 lumens/watt
Luminous Opening:	Circular (Dia: 1.12' x H: 0')
IES Classification:	Type V - Short
BUG Rating:	B3 - U0 - G3

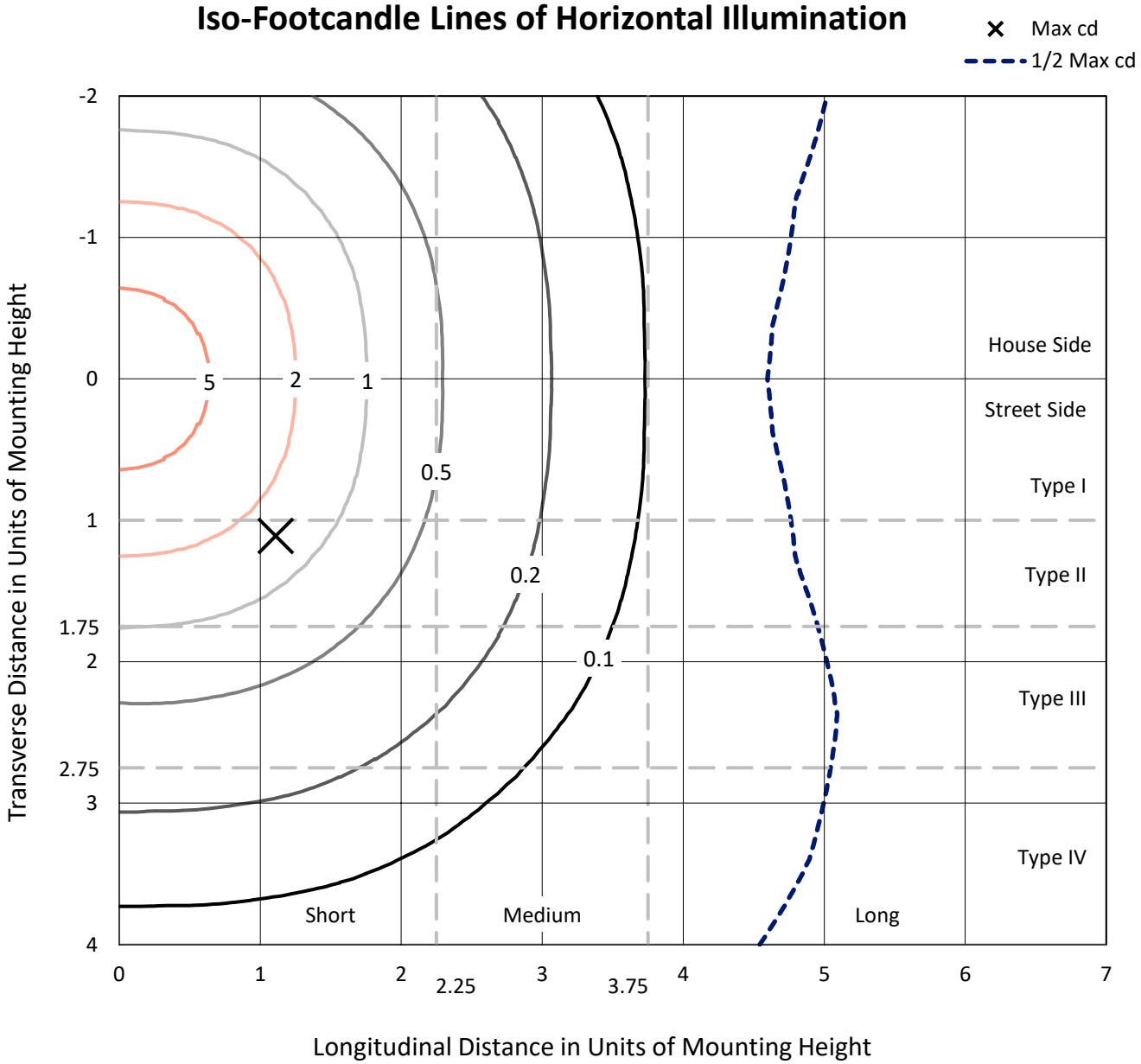
Input Watts (W):	73
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	25 FT

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Iso-Footcandle Lines of Horizontal Illumination



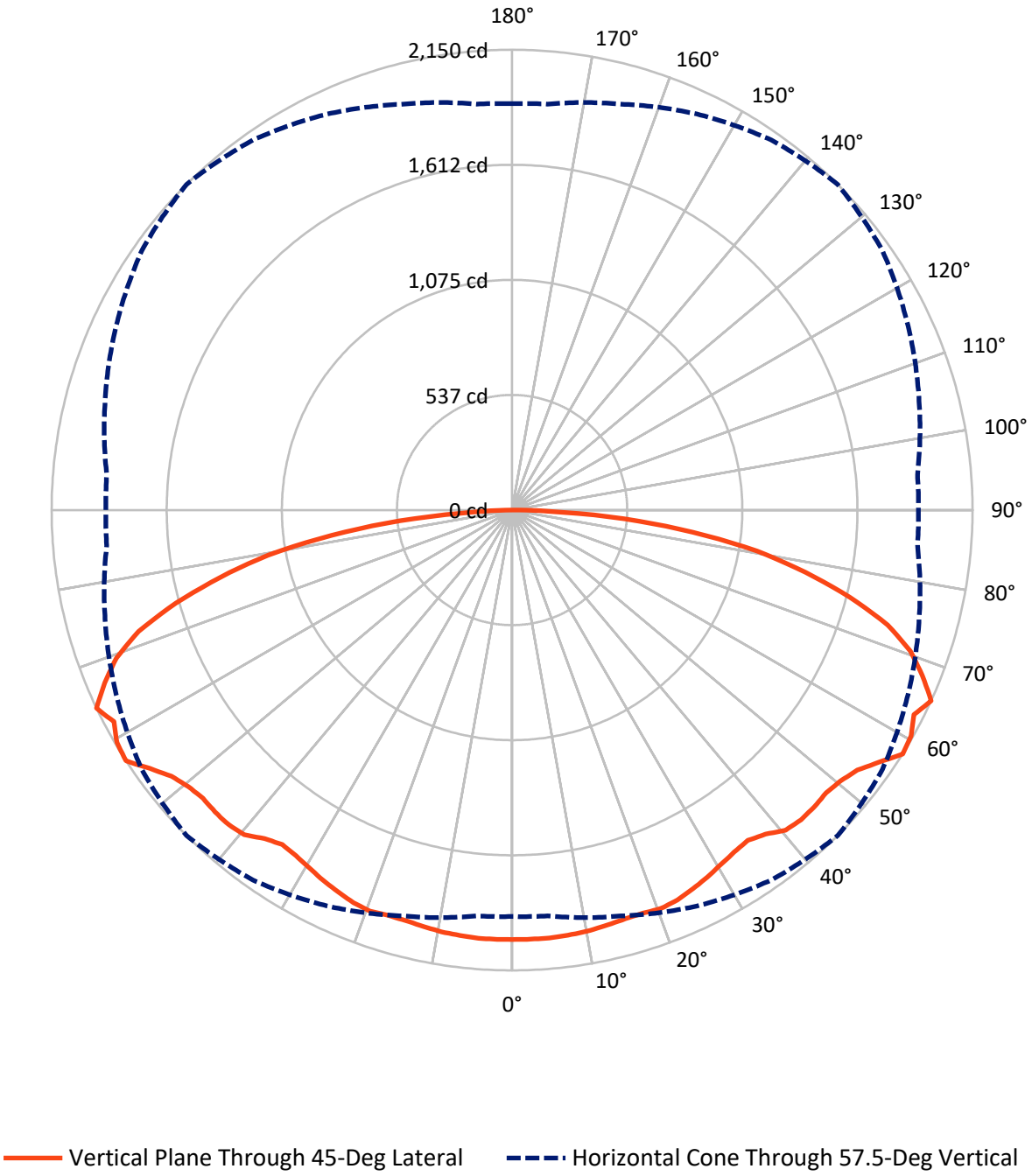
Based on 15 foot mounting height. Maximum calculated value = 8.9 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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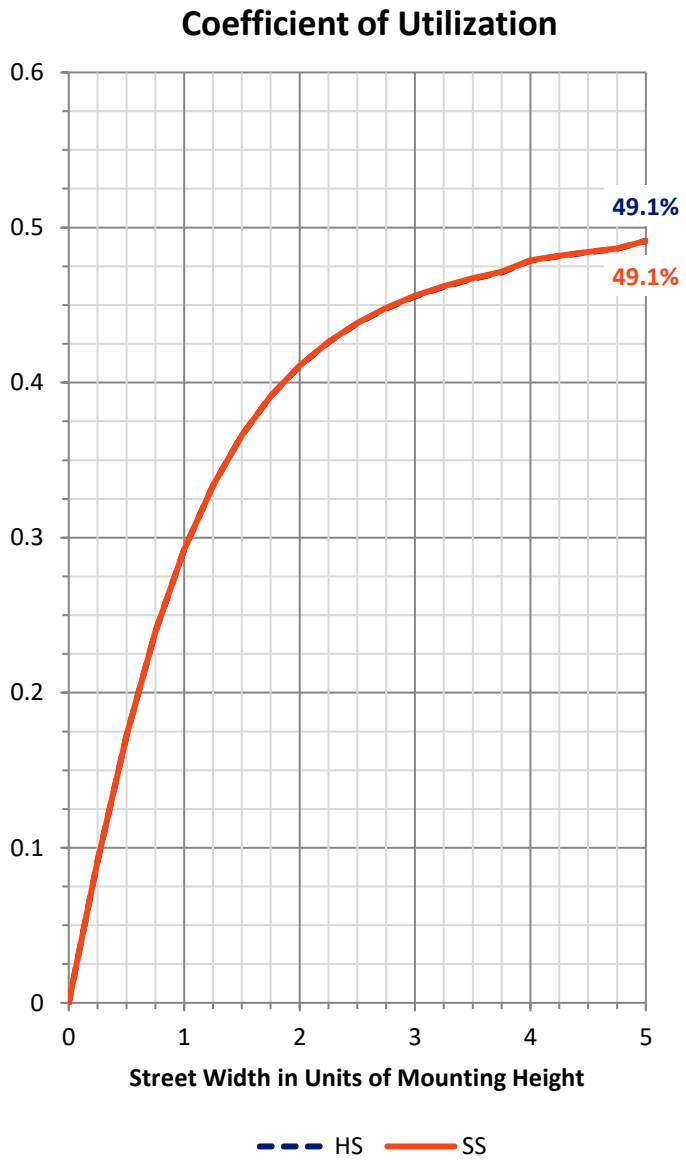
REPORT NUMBER: P821329
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5036.0	0.0	5036.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5036.0	0.0	5036.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10072.0	0.0	10072.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.2	1.9
10°-20°	562.3	5.6
20°-30°	903.4	9.0
30°-40°	1192.7	11.8
40°-50°	1492.2	14.8
50°-60°	1774.9	17.6
60°-70°	1925.0	19.1
70°-80°	1532.2	15.2
80°-90°	498.1	4.9
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°	10072.0	100.0
0°-180°	10072.0	100.0



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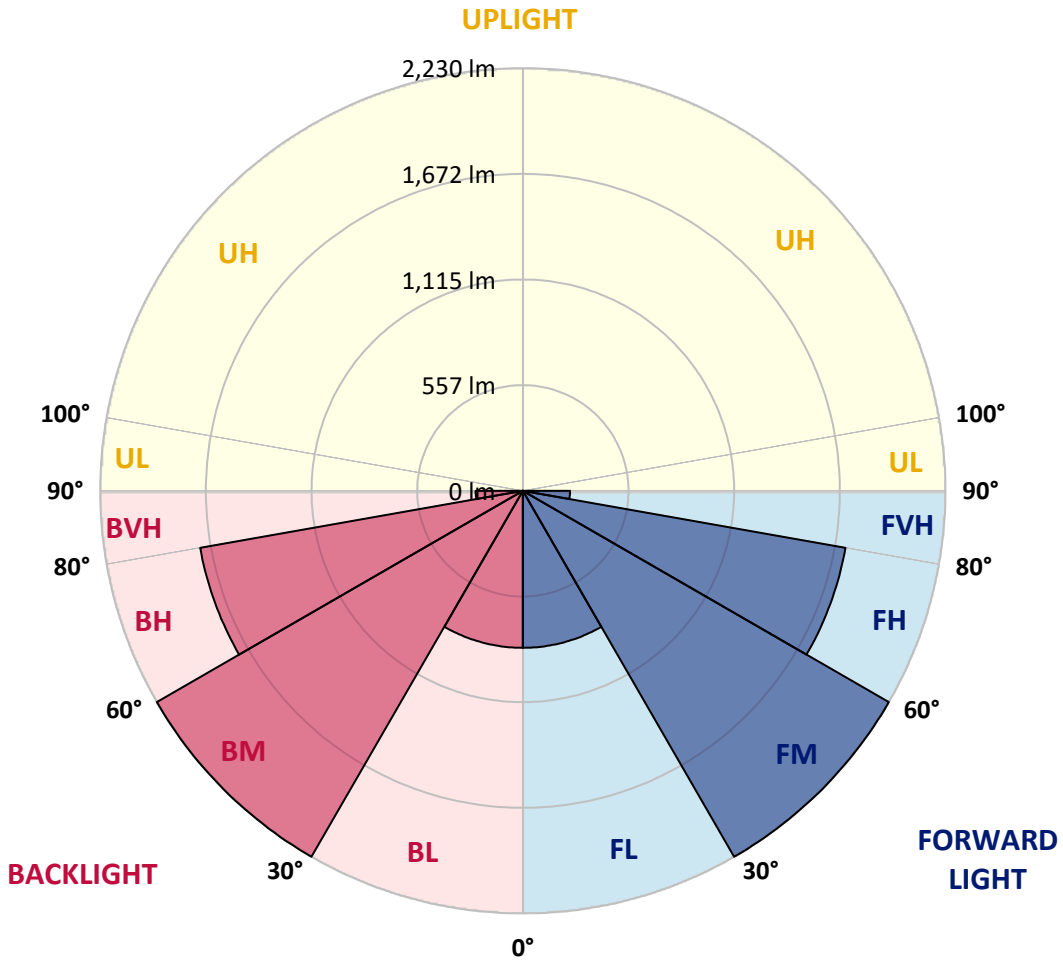
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	828.4	8.2			
FM	(30°-60°)	2229.9	22.1			
FH	(60°-80°)	1728.6	17.2			G1/1800
FVH	(80°-90°)	249.0	2.5			G3/500
BL	(0°-30°)	828.4	8.2	B2/1000		
BM	(30°-60°)	2229.9	22.1	B2/2500		
BH	(60°-80°)	1728.6	17.2	B3/2500		G1/1800
BVH	(80°-90°)	249.0	2.5			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°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2006.0	2006.0	2006.0	2006.0	2006.0	2006.0	2006.0	2006.0	2006.0	2006.0	2006.0
2.5°	2009.0	2007.5	2009.0	2007.5	2007.5	2006.0	2007.5	2007.5	2007.5	2007.5	2007.5
5°	2007.5	2006.0	2006.0	2007.5	2006.0	2006.0	2006.0	2006.0	2006.0	2006.0	2006.0
7.5°	2001.5	2001.5	2003.0	2001.5	2001.5	2001.5	2001.5	2001.5	2001.5	2003.0	2003.0
10°	1997.0	1995.5	1997.0	1997.0	1995.5	1997.0	1995.5	1997.0	1997.0	1997.0	1997.0
12.5°	1991.0	1989.6	1991.0	1991.0	1989.6	1988.1	1989.6	1989.6	1991.0	1991.0	1991.0
15°	1980.6	1980.6	1983.6	1982.1	1982.1	1980.6	1983.6	1982.1	1980.6	1982.1	1982.1
17.5°	1973.1	1973.1	1976.1	1979.1	1979.1	1979.1	1979.1	1977.6	1974.6	1976.1	1973.1
20°	1974.6	1976.1	1977.6	1982.1	1985.1	1986.6	1986.6	1982.1	1977.6	1979.1	1977.6
22.5°	1970.1	1968.6	1970.1	1973.1	1977.6	1977.6	1977.6	1971.6	1970.1	1968.6	1968.6
25°	1952.1	1952.1	1955.1	1958.1	1961.1	1959.6	1961.1	1958.1	1955.1	1952.1	1952.1
27.5°	1931.1	1931.1	1935.6	1938.6	1941.6	1941.6	1940.1	1937.1	1935.6	1932.6	1931.1
30°	1910.1	1910.1	1914.6	1917.6	1922.1	1920.6	1920.6	1916.1	1911.6	1908.7	1908.7
32.5°	1887.7	1886.2	1890.7	1898.2	1904.2	1904.2	1904.2	1895.2	1889.2	1886.2	1884.7
35°	1868.2	1868.2	1874.2	1887.7	1895.2	1895.2	1892.2	1886.2	1872.7	1868.2	1868.2
37.5°	1862.2	1866.7	1883.2	1902.7	1917.6	1920.6	1916.1	1899.7	1881.7	1868.2	1863.7
40°	1881.7	1886.2	1907.2	1938.6	1961.1	1965.6	1961.1	1937.1	1905.7	1884.7	1883.2
42.5°	1884.7	1887.7	1913.1	1949.1	1970.1	1977.6	1970.1	1946.1	1911.6	1886.2	1884.7
45°	1874.2	1875.7	1905.7	1943.1	1968.6	1977.6	1968.6	1940.1	1904.2	1875.7	1874.2
47.5°	1860.7	1863.7	1896.7	1935.6	1967.1	1973.1	1965.6	1934.1	1893.7	1865.2	1860.7
50°	1850.2	1859.2	1889.2	1932.6	1970.1	1988.1	1970.1	1928.1	1887.7	1856.2	1850.2
52.5°	1856.2	1859.2	1898.2	1959.6	2010.5	2018.0	2009.0	1959.6	1895.2	1859.2	1854.7
55°	1874.2	1887.7	1929.6	2018.0	2064.5	2077.9	2058.5	2015.0	1931.1	1887.7	1874.2
57.5°	1898.2	1902.7	1962.6	2040.5	2109.4	2149.9	2110.9	2039.0	1967.1	1899.7	1896.7
60°	1878.7	1865.2	1940.1	2031.5	2124.4	2140.9	2118.4	2033.0	1937.1	1863.7	1877.2
62.5°	1826.3	1835.2	1896.7	2022.5	2086.9	2104.9	2080.9	2022.5	1893.7	1842.7	1821.8
65°	1784.3	1838.2	1905.7	1995.5	2098.9	2149.9	2100.4	1992.5	1908.7	1829.2	1779.8
67.5°	1725.9	1736.4	1836.7	1947.6	2040.5	2066.0	2039.0	1949.1	1827.8	1728.9	1736.4
70°	1627.0	1612.0	1713.9	1842.7	1931.1	1971.6	1934.1	1836.7	1709.4	1609.0	1622.5
72.5°	1463.7	1472.7	1567.1	1703.4	1794.8	1833.7	1796.3	1692.9	1564.1	1481.7	1472.7
75°	1292.9	1303.4	1394.8	1519.1	1612.0	1628.5	1618.0	1511.6	1397.8	1301.9	1292.9
77.5°	1098.1	1108.6	1183.5	1319.9	1375.3	1400.8	1378.3	1327.4	1180.5	1107.1	1095.2
80°	882.4	879.4	945.3	1062.2	1131.1	1159.6	1131.1	1065.2	942.3	885.4	865.9
82.5°	630.7	633.7	695.1	776.0	842.0	851.0	837.5	783.5	689.2	641.2	614.2
85°	350.6	364.1	409.0	468.9	512.4	527.4	504.9	453.9	407.5	370.0	358.1
87.5°	83.9	91.4	106.4	134.8	151.3	166.3	151.3	140.8	100.4	91.4	83.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)