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: P887977

Luminaire Tested: **TT-D6-830-U-MQ-TC**

Issue Date: 10/9/2024

Report Generated By 670246001

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

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P887977
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-238-2)
Test Lab:	INNOVATION CENTER
Issue Date:	10/9/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	TT-D6-830-U-MQ-TC
Description:	MQ
	3000K, 80 CRI LEDS, MEDIUM DISTRIBUTION AND TOTALCOMFORT ACCESSORY
Light Source:	
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9813 lumens
Efficiency:	N/A
Efficacy:	93.3 lumens/watt
Luminous Opening:	Circular (Dia: 1.12' x H: 0')
IES Classification:	Type V - Short
BUG Rating:	B3 - U0 - G2

Input Watts (W):	105.2
Input Voltage (V):	120.0
Input Current (Ain):	0.88
Voltage Rise (V):	NR
Power Factor:	0.995
Total Harmonic Distortion (THDi):	9.70%
Frequency (hertz):	60
Stabilization Time:	HR
Operation Time:	HR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

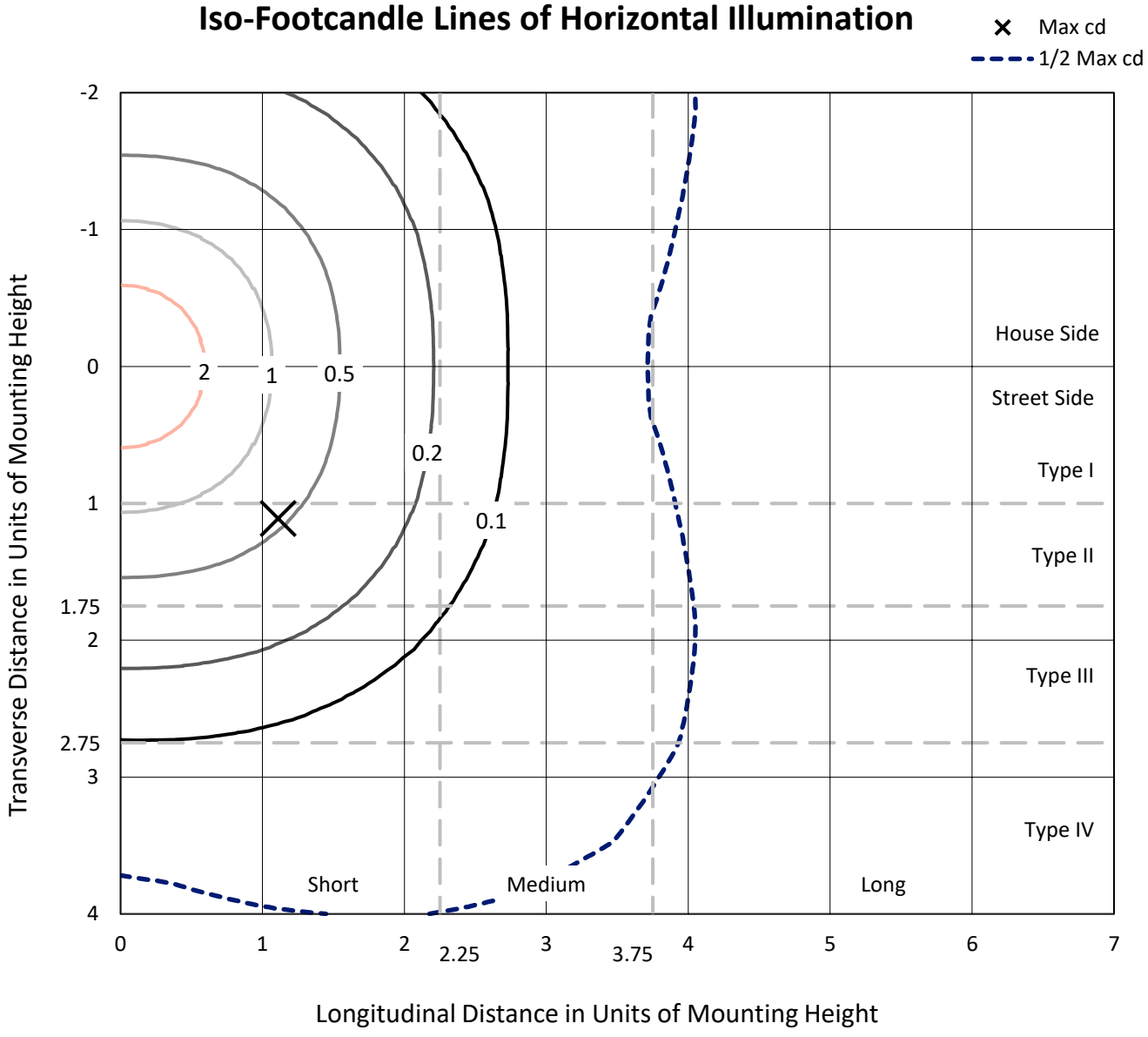


Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P887977
CATALOG NUMBER: TT-D6-830-U-MQ-TC

Iso-Footcandle Lines of Horizontal Illumination



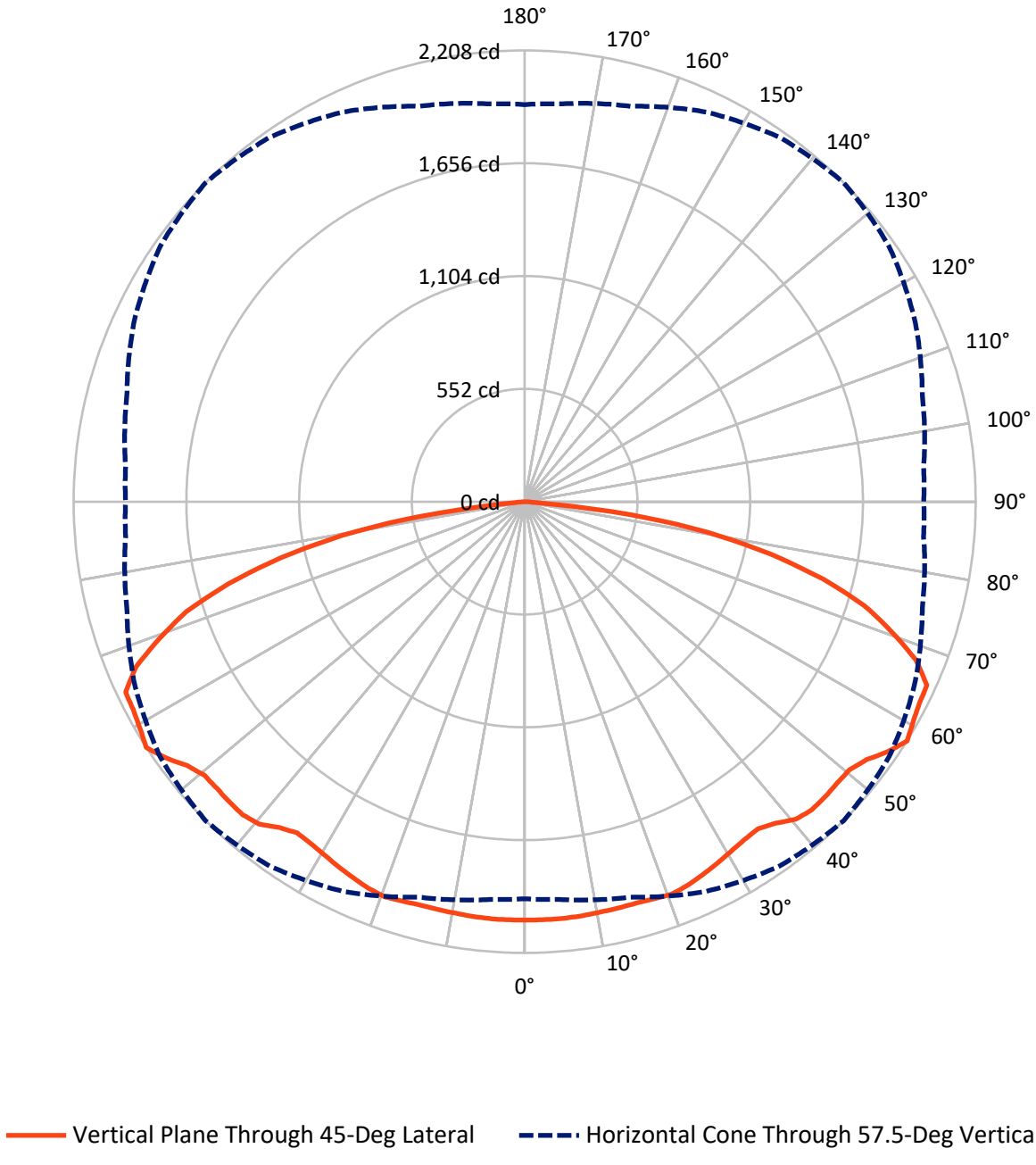
Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
Type V - Short - N/A

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

Scaled Data Report

REPORT NUMBER: P887977
CATALOG NUMBER: TT-D6-830-U-MQ-TC

Luminous Intensity Polar Plot



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

Scaled Data Report

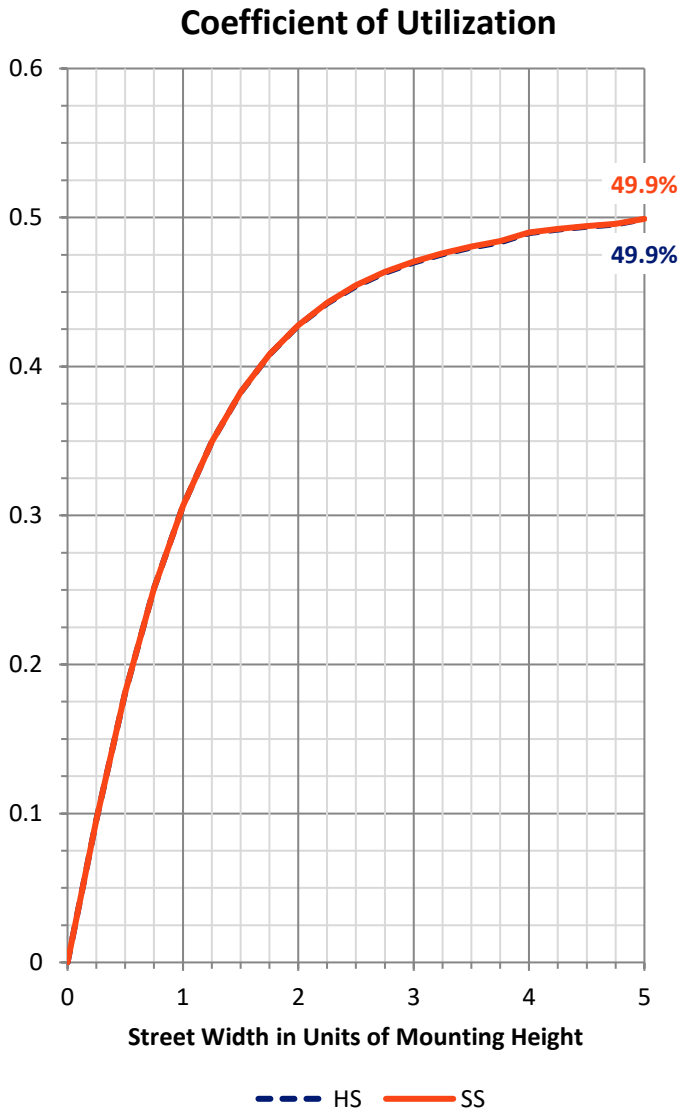
REPORT NUMBER: P887977
CATALOG NUMBER: TT-D6-830-U-MQ-TC

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4906.5	0.0	4906.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4906.5	0.0	4906.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9813.0	0.0	9813.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.3	2.0
10°-20°	578.4	5.9
20°-30°	932.3	9.5
30°-40°	1237.3	12.6
40°-50°	1554.1	15.8
50°-60°	1832.7	18.7
60°-70°	1923.8	19.6
70°-80°	1352.2	13.8
80°-90°	206.8	2.1
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°	9813.0	100.0
0°-180°	9813.0	100.0



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

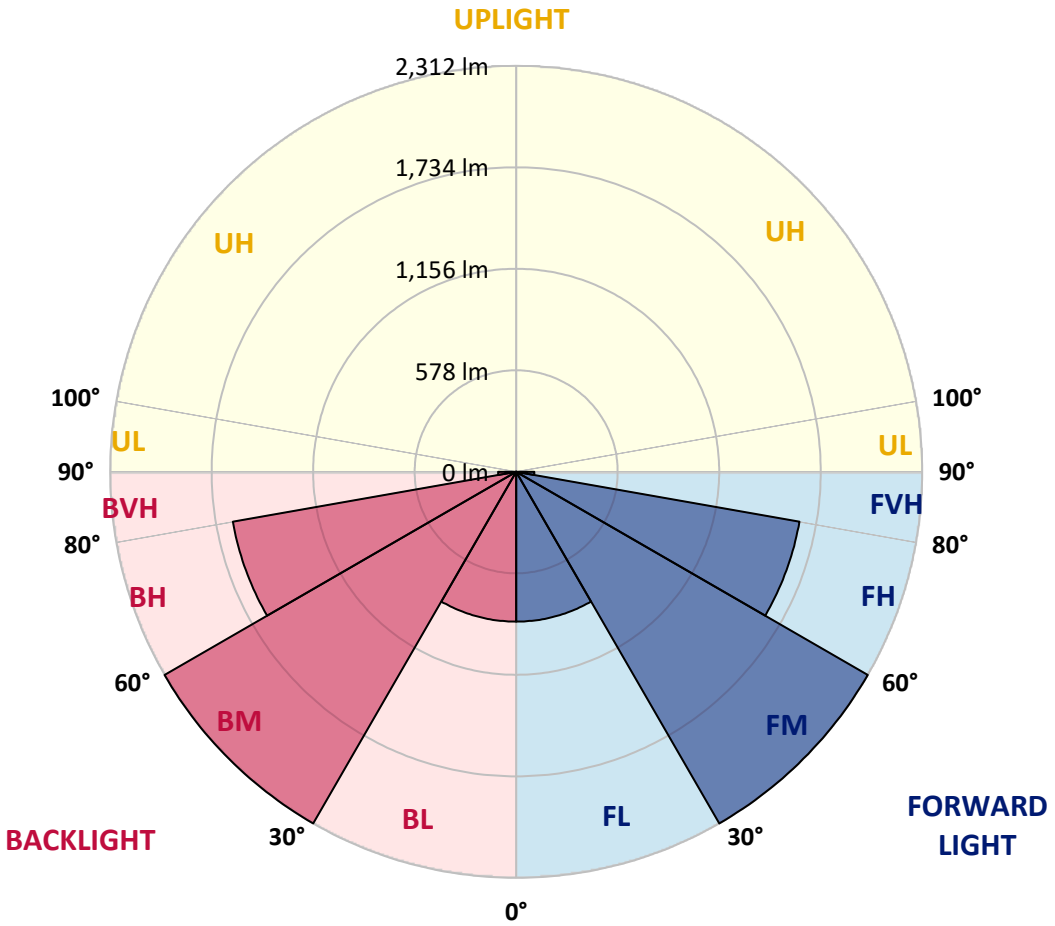
Scaled Data Report

REPORT NUMBER: P887977
CATALOG NUMBER: TT-D6-830-U-MQ-TC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	853.0	8.7			
FM	(30°-60°)	2312.1	23.6			
FH	(60°-80°)	1638.0	16.7			G1/1800
FVH	(80°-90°)	103.4	1.1			G2/225
BL	(0°-30°)	853.0	8.7	B2/1000		
BM	(30°-60°)	2312.1	23.6	B2/2500		
BH	(60°-80°)	1638.0	16.7	B3/2500		G1/1800
BVH	(80°-90°)	103.4	1.1			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2
Type V Short



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

Scaled Data Report

REPORT NUMBER: P887977
CATALOG NUMBER: TT-D6-830-U-MQ-TC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2047.4	2047.4	2047.4	2047.4	2047.4	2047.4	2047.4	2047.4	2047.4	2047.4	2047.4
2.5°	2049.2	2049.2	2049.2	2047.4	2045.6	2047.4	2045.6	2047.4	2047.4	2047.4	2049.2
5°	2049.2	2049.2	2049.2	2047.4	2047.4	2047.4	2047.4	2047.4	2047.4	2047.4	2047.4
7.5°	2047.4	2047.4	2045.6	2045.6	2045.6	2045.6	2045.6	2045.6	2045.6	2045.6	2045.6
10°	2045.6	2045.6	2043.9	2043.9	2042.1	2042.1	2042.1	2043.9	2043.9	2043.9	2043.9
12.5°	2040.3	2042.1	2042.1	2040.3	2040.3	2040.3	2038.6	2040.3	2040.3	2038.6	2038.6
15°	2036.8	2038.6	2038.6	2038.6	2038.6	2038.6	2036.8	2038.6	2036.8	2036.8	2036.8
17.5°	2036.8	2036.8	2038.6	2040.3	2042.1	2043.9	2040.3	2040.3	2036.8	2035.0	2035.0
20°	2040.3	2040.3	2042.1	2043.9	2049.2	2050.9	2049.2	2043.9	2042.1	2038.6	2038.6
22.5°	2029.7	2031.5	2033.3	2033.3	2036.8	2040.3	2038.6	2035.0	2031.5	2029.7	2029.7
25°	2015.6	2015.6	2015.6	2019.1	2022.7	2022.7	2020.9	2019.1	2015.6	2013.8	2013.8
27.5°	1996.2	1994.4	1996.2	1999.7	2003.2	2005.0	2003.2	2001.5	1996.2	1996.2	1994.4
30°	1975.0	1973.2	1976.7	1980.3	1985.6	1987.3	1985.6	1982.0	1976.7	1975.0	1973.2
32.5°	1953.8	1953.8	1957.3	1962.6	1969.7	1973.2	1969.7	1966.1	1957.3	1953.8	1953.8
35°	1934.3	1934.3	1943.2	1953.8	1962.6	1966.1	1962.6	1957.3	1946.7	1937.9	1937.9
37.5°	1936.1	1939.6	1952.0	1976.7	1990.9	1996.2	1992.6	1976.7	1959.1	1944.9	1939.6
40°	1962.6	1966.1	1987.3	2012.1	2035.0	2043.9	2036.8	2015.6	1990.9	1969.7	1966.1
42.5°	1964.4	1966.1	1990.9	2022.7	2049.2	2061.5	2052.7	2026.2	1996.2	1971.4	1967.9
45°	1950.2	1955.5	1983.8	2020.9	2049.2	2061.5	2049.2	2026.2	1989.1	1960.8	1959.1
47.5°	1936.1	1939.6	1971.4	2012.1	2045.6	2058.0	2047.4	2015.6	1975.0	1944.9	1943.2
50°	1925.5	1929.0	1957.3	2010.3	2047.4	2061.5	2049.2	2015.6	1966.1	1936.1	1934.3
52.5°	1922.0	1925.5	1971.4	2028.0	2084.5	2096.9	2082.7	2031.5	1978.5	1932.6	1932.6
55°	1930.8	1932.6	1994.4	2079.2	2132.2	2158.7	2135.7	2081.0	2006.8	1946.7	1939.6
57.5°	1943.2	1953.8	2003.2	2103.9	2176.4	2208.1	2178.1	2107.5	2015.6	1960.8	1953.8
60°	1900.8	1916.7	1985.6	2072.1	2155.2	2185.2	2160.5	2082.7	1985.6	1914.9	1913.1
62.5°	1824.8	1831.9	1925.5	2035.0	2130.4	2169.3	2135.7	2050.9	1932.6	1858.4	1849.5
65°	1803.6	1812.4	1879.6	2015.6	2114.5	2164.0	2130.4	2026.2	1890.2	1810.7	1803.6
67.5°	1674.7	1694.1	1791.3	1911.4	2022.7	2065.1	2033.3	1941.4	1791.3	1694.1	1680.0
70°	1521.0	1543.9	1635.8	1768.3	1861.9	1906.1	1867.2	1793.0	1634.0	1540.4	1524.5
72.5°	1342.6	1356.7	1462.7	1570.4	1687.0	1740.0	1690.6	1595.2	1457.4	1344.3	1337.3
75°	1097.0	1121.7	1240.1	1339.0	1448.5	1505.1	1468.0	1356.7	1226.0	1104.1	1095.2
77.5°	839.1	847.9	969.8	1084.6	1176.5	1227.7	1197.7	1091.7	957.5	837.3	826.7
80°	556.5	563.5	660.7	764.9	853.2	909.8	874.4	779.0	632.4	545.9	533.5
82.5°	240.2	245.5	303.8	392.2	471.7	521.1	492.9	402.8	279.1	226.1	213.7
85°	19.4	17.7	19.4	23.0	23.0	47.7	40.6	35.3	14.1	17.7	14.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)