

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: P197647

Luminaire Tested: **TT-C5-LED-E1-MQ-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197647
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33410)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C5-LED-E1-MQ-7050
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
MEDIUM DISTRIBUTION
Light Source: (160) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9513 lumens
Efficiency: N/A
Efficacy: 123.5 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): 77
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



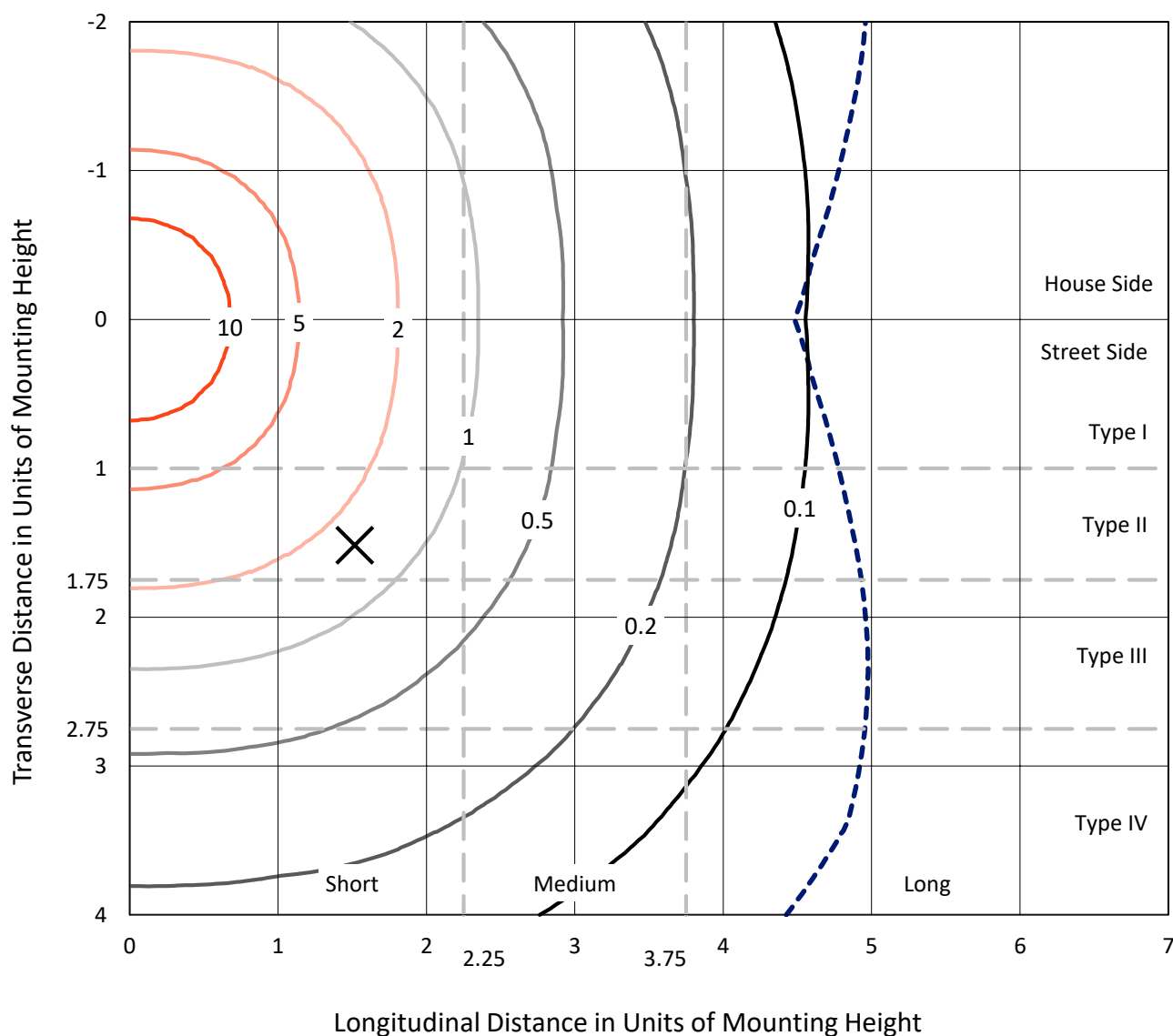
REPORT NUMBER: P197647

CATALOG NUMBER: TT-C5-LED-E1-MQ-7050

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

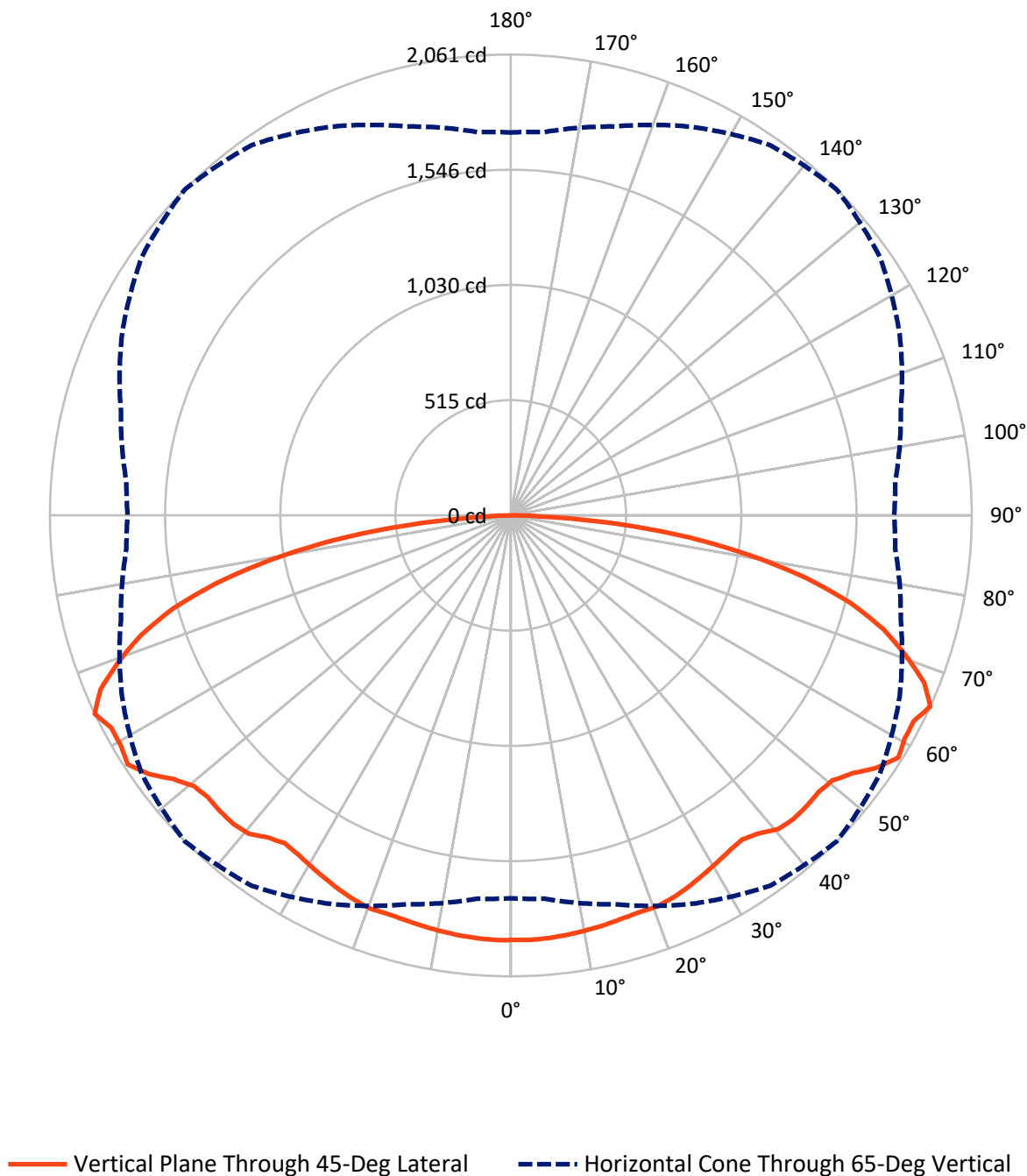


Based on 10 foot mounting height. Maximum calculated value = 19 fc
 Type V - Short - Semi-Cutoff

REPORT NUMBER: P197647

CATALOG NUMBER: TT-C5-LED-E1-MQ-7050

Luminous Intensity Polar Plot



REPORT NUMBER: P197647

CATALOG NUMBER: TT-C5-LED-E1-MQ-7050

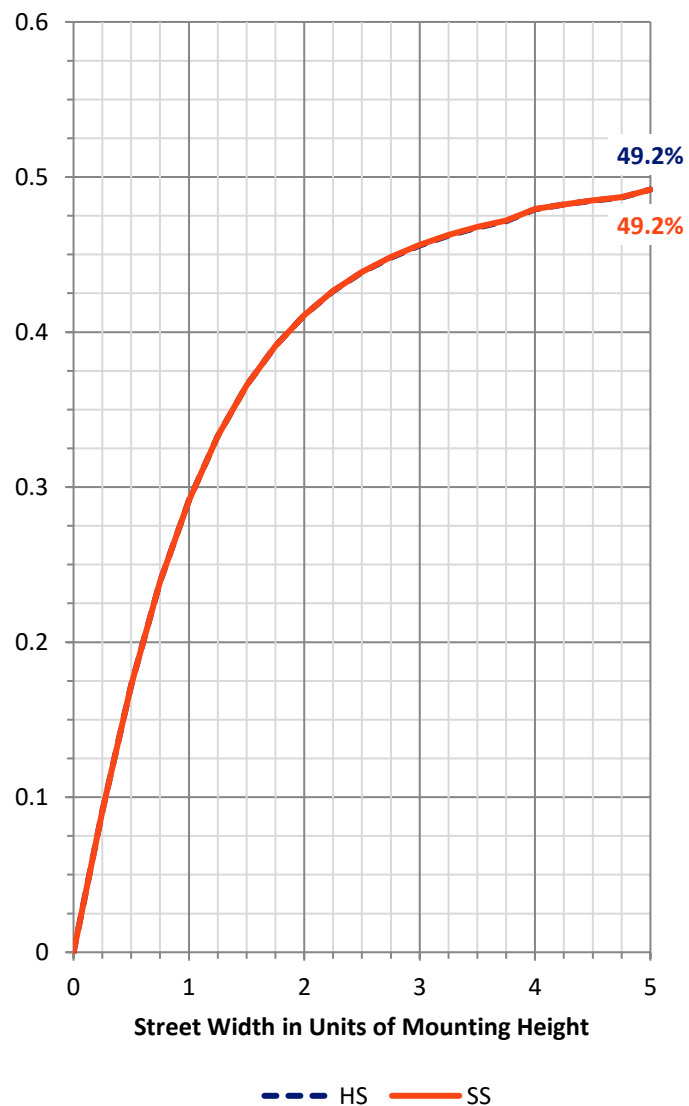
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4756.5	0.0	4756.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4756.5	0.0	4756.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9513.0	0.0	9513.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.6	1.9
10°-20°	529.9	5.6
20°-30°	847.8	8.9
30°-40°	1119.8	11.8
40°-50°	1399.9	14.7
50°-60°	1680.6	17.7
60°-70°	1837.0	19.3
70°-80°	1459.6	15.3
80°-90°	457.7	4.8
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°	9513.0	100.0
0°-180°	9513.0	100.0

Coefficient of Utilization



REPORT NUMBER: P197647

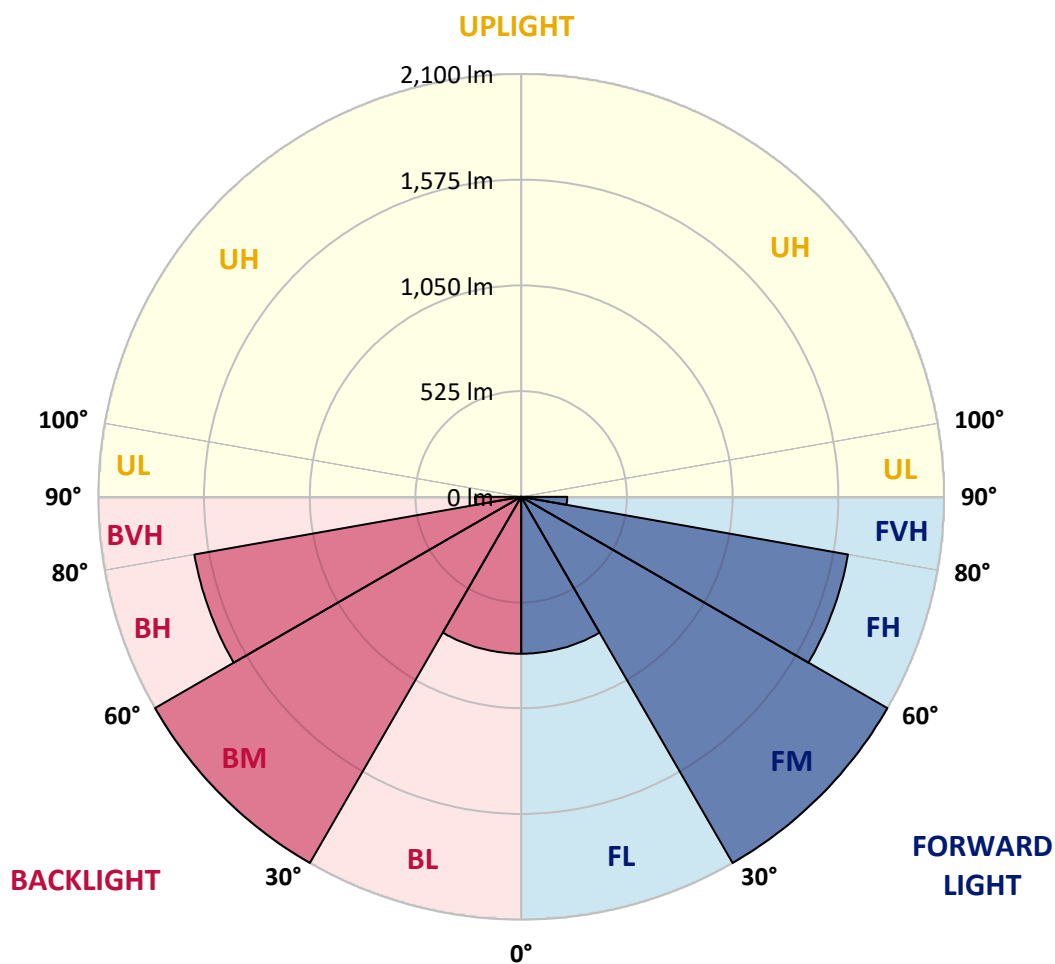
CATALOG NUMBER: TT-C5-LED-E1-MQ-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	779.2	8.2			
FM	(30°-60°)	2100.2	22.1			
FH	(60°-80°)	1648.3	17.3			G1/1800
FVH	(80°-90°)	228.8	2.4			G3/500
BL	(0°-30°)	779.2	8.2	B2/1000		
BM	(30°-60°)	2100.2	22.1	B2/2500		
BH	(60°-80°)	1648.3	17.3	B3/2500		G1/1800
BVH	(80°-90°)	228.8	2.4			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



REPORT NUMBER: P197647

CATALOG NUMBER: TT-C5-LED-E1-MQ-7050

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1898.0	1898.0	1898.0	1898.0	1898.0	1898.0	1898.0	1898.0	1898.0	1898.0	1898.0
2.5°	1899.6	1899.6	1899.6	1899.6	1898.0	1899.6	1898.0	1898.0	1899.6	1899.6	1899.6
5°	1896.3	1896.3	1896.3	1896.3	1896.3	1896.3	1896.3	1896.3	1896.3	1896.3	1896.3
7.5°	1891.3	1891.3	1891.3	1891.3	1891.3	1891.3	1891.3	1891.3	1891.3	1891.3	1891.3
10°	1884.7	1886.3	1886.3	1886.3	1884.7	1884.7	1884.7	1886.3	1886.3	1884.7	1884.7
12.5°	1878.0	1878.0	1879.7	1878.0	1878.0	1878.0	1878.0	1878.0	1878.0	1878.0	1876.3
15°	1868.0	1868.0	1869.7	1869.7	1869.7	1869.7	1869.7	1868.0	1868.0	1866.4	1866.4
17.5°	1859.7	1859.7	1863.1	1863.1	1864.7	1864.7	1864.7	1861.4	1861.4	1858.1	1858.1
20°	1858.1	1858.1	1859.7	1863.1	1864.7	1866.4	1864.7	1861.4	1858.1	1854.7	1854.7
22.5°	1846.4	1848.1	1851.4	1853.1	1856.4	1856.4	1856.4	1851.4	1849.8	1846.4	1846.4
25°	1831.5	1829.8	1834.8	1838.1	1841.4	1841.4	1839.8	1836.5	1834.8	1829.8	1829.8
27.5°	1808.2	1809.9	1813.2	1818.2	1823.2	1823.2	1821.5	1818.2	1814.9	1811.5	1809.9
30°	1788.3	1789.9	1793.2	1798.2	1801.6	1806.5	1801.6	1798.2	1793.2	1791.6	1789.9
32.5°	1766.7	1768.3	1773.3	1781.6	1786.6	1789.9	1786.6	1783.3	1775.0	1770.0	1768.3
35°	1751.7	1753.4	1758.3	1770.0	1780.0	1780.0	1780.0	1771.6	1761.7	1753.4	1751.7
37.5°	1753.4	1756.7	1768.3	1784.9	1801.6	1803.2	1801.6	1784.9	1770.0	1756.7	1755.0
40°	1766.7	1770.0	1789.9	1814.9	1836.5	1843.1	1838.1	1814.9	1791.6	1773.3	1768.3
42.5°	1765.0	1770.0	1791.6	1823.2	1844.8	1854.7	1844.8	1823.2	1794.9	1775.0	1768.3
45°	1758.3	1761.7	1784.9	1818.2	1844.8	1854.7	1846.4	1821.5	1789.9	1766.7	1761.7
47.5°	1748.4	1751.7	1770.0	1809.9	1839.8	1849.8	1841.4	1814.9	1775.0	1756.7	1753.4
50°	1735.1	1745.1	1775.0	1816.5	1856.4	1863.1	1858.1	1819.8	1778.3	1751.7	1738.4
52.5°	1748.4	1746.7	1781.6	1856.4	1893.0	1914.6	1898.0	1853.1	1789.9	1755.0	1751.7
55°	1778.3	1791.6	1829.8	1899.6	1959.4	1989.4	1966.1	1904.6	1833.1	1789.9	1781.6
57.5°	1776.6	1793.2	1861.4	1931.2	2022.6	2042.5	2016.0	1939.5	1858.1	1801.6	1780.0
60°	1766.7	1773.3	1824.8	1949.5	2001.0	2024.3	2001.0	1941.2	1838.1	1775.0	1775.0
62.5°	1733.4	1745.1	1826.5	1912.9	1986.0	2022.6	1994.3	1919.6	1824.8	1756.7	1735.1
65°	1711.8	1720.1	1799.9	1916.2	2020.9	2060.8	2014.3	1917.9	1804.9	1725.1	1713.5
67.5°	1643.7	1658.6	1733.4	1859.7	1961.1	1992.7	1974.4	1856.4	1733.4	1660.3	1642.0
70°	1527.3	1535.6	1638.7	1758.3	1851.4	1873.0	1846.4	1770.0	1628.7	1547.3	1522.3
72.5°	1384.4	1396.0	1490.8	1623.7	1713.5	1741.7	1710.2	1628.7	1482.5	1409.3	1386.1
75°	1239.8	1251.5	1312.9	1457.5	1532.3	1572.2	1535.6	1447.6	1316.3	1244.8	1234.8
77.5°	1032.1	1050.4	1145.1	1241.5	1312.9	1354.5	1322.9	1241.5	1138.4	1053.7	1022.1
80°	811.0	824.3	912.4	997.2	1062.0	1088.6	1073.6	997.2	914.1	827.7	812.7
82.5°	568.4	576.7	653.1	721.3	801.1	801.1	784.4	734.6	651.5	576.7	580.0
85°	304.1	314.1	372.3	425.5	475.3	475.3	460.4	428.8	370.6	312.4	305.8
87.5°	61.5	68.1	89.7	98.1	116.3	124.6	113.0	103.0	89.7	71.5	71.5
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)