

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: P197646

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197646
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
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
MEDIUM DISTRIBUTION
Light Source: (160) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9603.8 lumens
Efficiency: N/A
Efficacy: 124.7 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): 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

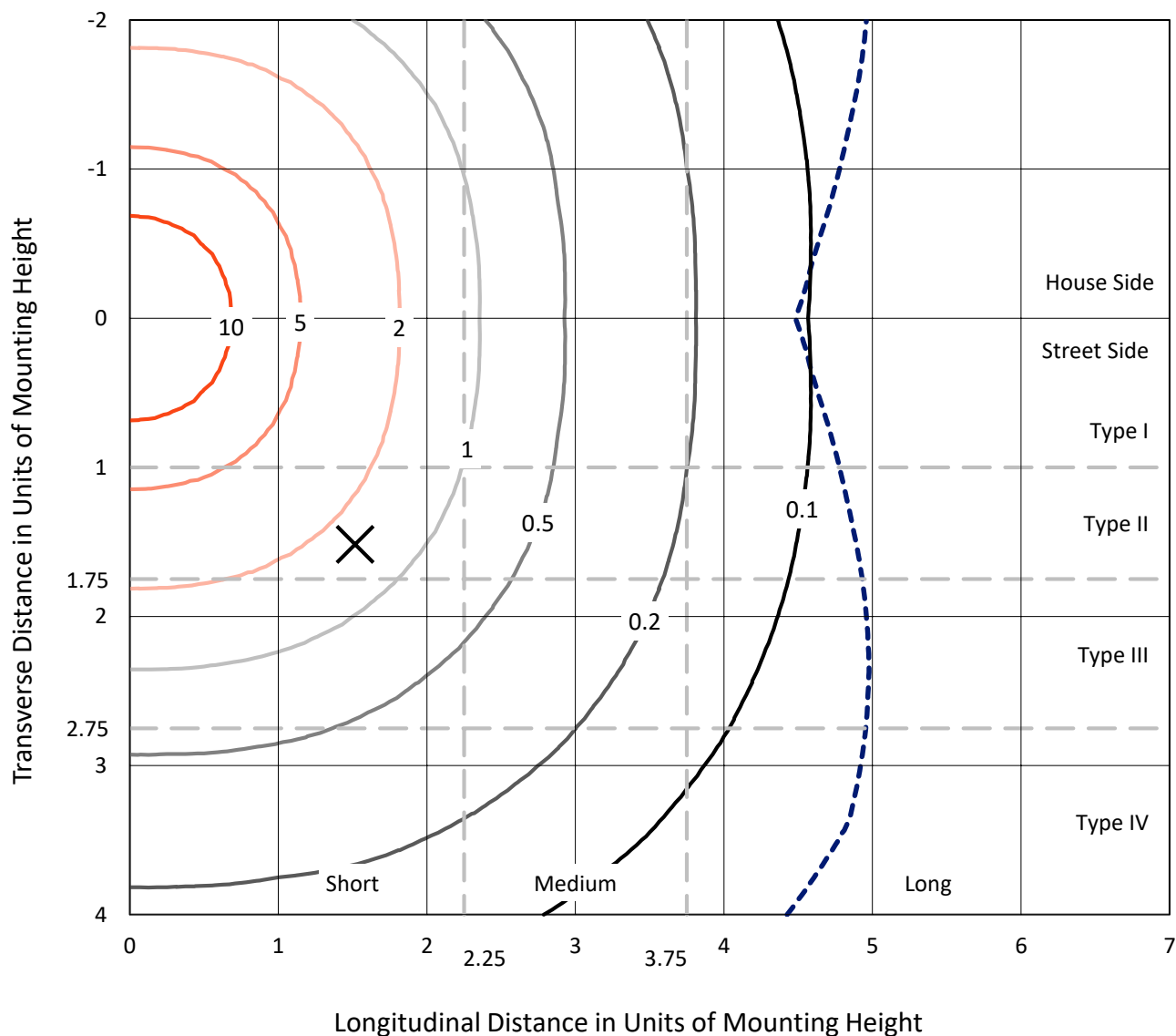


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

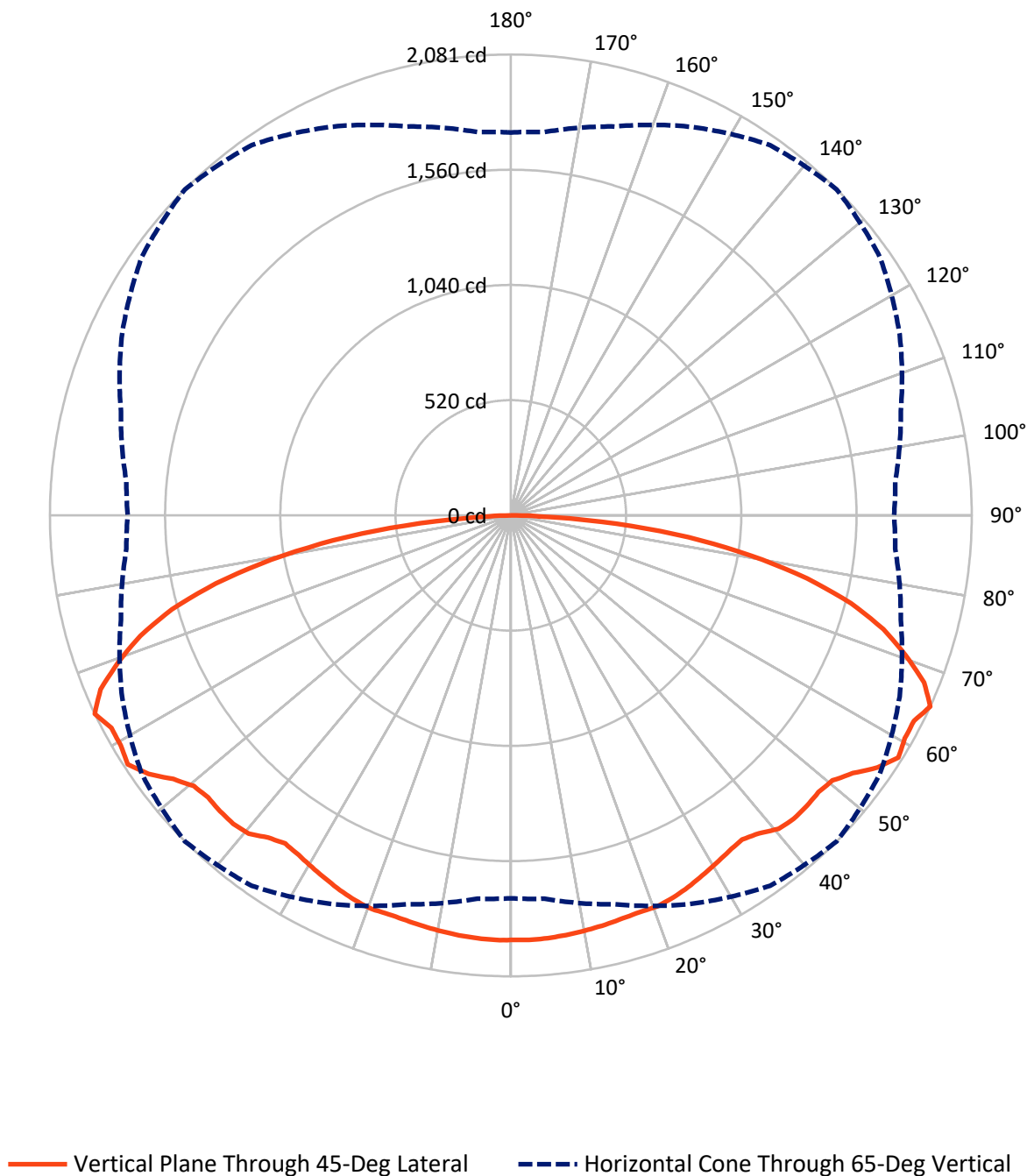


Based on 10 foot mounting height. Maximum calculated value = 19.2 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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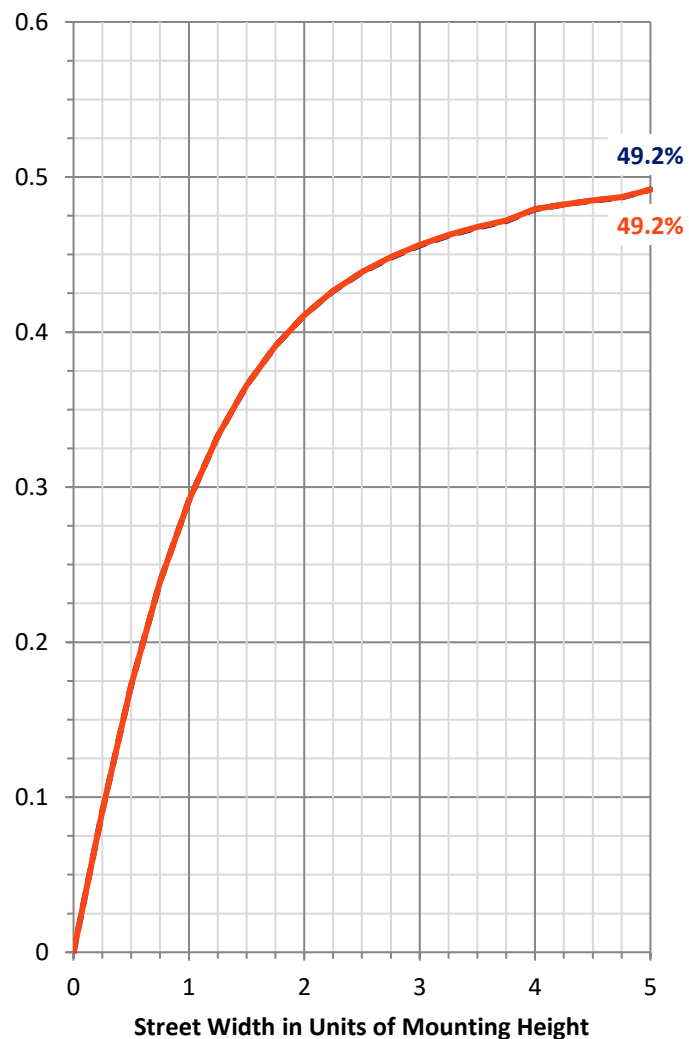
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4801.9	0.0	4801.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4801.9	0.0	4801.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	9603.8	0.0	9603.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.4	1.9
10°-20°	534.9	5.6
20°-30°	855.9	8.9
30°-40°	1130.5	11.8
40°-50°	1413.2	14.7
50°-60°	1696.7	17.7
60°-70°	1854.6	19.3
70°-80°	1473.5	15.3
80°-90°	462.0	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°	9603.8	100.0
0°-180°	9603.8	100.0

Coefficient of Utilization



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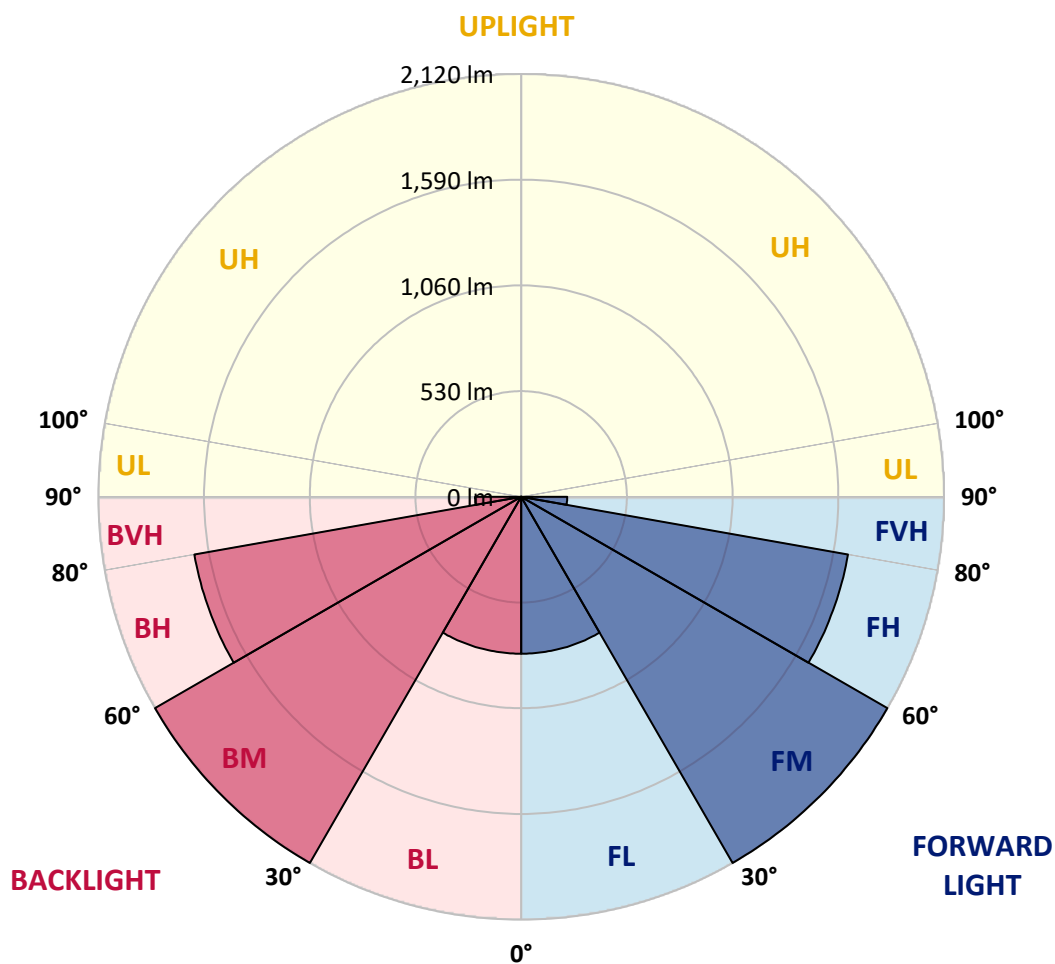
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	786.6	8.2			
FM	(30°-60°)	2120.2	22.1			
FH	(60°-80°)	1664.1	17.3			G1/1800
FVH	(80°-90°)	231.0	2.4			G3/500
BL	(0°-30°)	786.6	8.2	B2/1000		
BM	(30°-60°)	2120.2	22.1	B2/2500		
BH	(60°-80°)	1664.1	17.3	B3/2500		G1/1800
BVH	(80°-90°)	231.0	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1916.1	1916.1	1916.1	1916.1	1916.1	1916.1	1916.1	1916.1	1916.1	1916.1	1916.1
2.5°	1917.8	1917.8	1917.8	1917.8	1916.1	1917.8	1916.1	1916.1	1917.8	1917.8	1917.8
5°	1914.4	1914.4	1914.4	1914.4	1914.4	1914.4	1914.4	1914.4	1914.4	1914.4	1914.4
7.5°	1909.4	1909.4	1909.4	1909.4	1909.4	1909.4	1909.4	1909.4	1909.4	1909.4	1909.4
10°	1902.7	1904.3	1904.3	1904.3	1902.7	1902.7	1902.7	1904.3	1904.3	1902.7	1902.7
12.5°	1895.9	1895.9	1897.6	1895.9	1895.9	1895.9	1895.9	1895.9	1895.9	1895.9	1894.3
15°	1885.9	1885.9	1887.6	1887.6	1887.6	1887.6	1887.6	1885.9	1885.9	1884.2	1884.2
17.5°	1877.5	1877.5	1880.8	1880.8	1882.5	1882.5	1882.5	1879.2	1879.2	1875.8	1875.8
20°	1875.8	1875.8	1877.5	1880.8	1882.5	1884.2	1882.5	1879.2	1875.8	1872.5	1872.5
22.5°	1864.1	1865.7	1869.1	1870.8	1874.1	1874.1	1874.1	1869.1	1867.4	1864.1	1864.1
25°	1849.0	1847.3	1852.3	1855.7	1859.0	1859.0	1857.4	1854.0	1852.3	1847.3	1847.3
27.5°	1825.5	1827.2	1830.5	1835.5	1840.6	1840.6	1838.9	1835.5	1832.2	1828.8	1827.2
30°	1805.3	1807.0	1810.4	1815.4	1818.8	1823.8	1818.8	1815.4	1810.4	1808.7	1807.0
32.5°	1783.5	1785.2	1790.2	1798.6	1803.7	1807.0	1803.7	1800.3	1791.9	1786.9	1785.2
35°	1768.4	1770.1	1775.1	1786.9	1797.0	1797.0	1797.0	1788.6	1778.5	1770.1	1768.4
37.5°	1770.1	1773.5	1785.2	1802.0	1818.8	1820.4	1818.8	1802.0	1786.9	1773.5	1771.8
40°	1783.5	1786.9	1807.0	1832.2	1854.0	1860.7	1855.7	1832.2	1808.7	1790.2	1785.2
42.5°	1781.9	1786.9	1808.7	1840.6	1862.4	1872.5	1862.4	1840.6	1812.1	1791.9	1785.2
45°	1775.1	1778.5	1802.0	1835.5	1862.4	1872.5	1864.1	1838.9	1807.0	1783.5	1778.5
47.5°	1765.1	1768.4	1786.9	1827.2	1857.4	1867.4	1859.0	1832.2	1791.9	1773.5	1770.1
50°	1751.7	1761.7	1791.9	1833.9	1874.1	1880.8	1875.8	1837.2	1795.3	1768.4	1755.0
52.5°	1765.1	1763.4	1798.6	1874.1	1911.0	1932.9	1916.1	1870.8	1807.0	1771.8	1768.4
55°	1795.3	1808.7	1847.3	1917.8	1978.2	2008.4	1984.9	1922.8	1850.6	1807.0	1798.6
57.5°	1793.6	1810.4	1879.2	1949.6	2041.9	2062.1	2035.2	1958.0	1875.8	1818.8	1797.0
60°	1783.5	1790.2	1842.3	1968.1	2020.1	2043.6	2020.1	1959.7	1855.7	1791.9	1791.9
62.5°	1750.0	1761.7	1843.9	1931.2	2005.0	2041.9	2013.4	1937.9	1842.3	1773.5	1751.7
65°	1728.2	1736.6	1817.1	1934.5	2040.2	2080.5	2033.5	1936.2	1822.1	1741.6	1729.8
67.5°	1659.4	1674.5	1750.0	1877.5	1979.8	2011.7	1993.3	1874.1	1750.0	1676.2	1657.7
70°	1541.9	1550.3	1654.3	1775.1	1869.1	1890.9	1864.1	1786.9	1644.3	1562.1	1536.9
72.5°	1397.6	1409.4	1505.0	1639.2	1729.8	1758.4	1726.5	1644.3	1496.6	1422.8	1399.3
75°	1251.7	1263.4	1325.5	1471.5	1547.0	1587.2	1550.3	1461.4	1328.8	1256.7	1246.6
77.5°	1041.9	1060.4	1156.0	1253.3	1325.5	1367.4	1335.6	1253.3	1149.3	1063.7	1031.9
80°	818.8	832.2	921.1	1006.7	1072.1	1099.0	1083.9	1006.7	922.8	835.6	820.5
82.5°	573.8	582.2	659.4	728.2	808.7	808.7	791.9	741.6	657.7	582.2	585.6
85°	307.0	317.1	375.8	429.5	479.9	479.9	464.8	432.9	374.2	315.4	308.7
87.5°	62.1	68.8	90.6	99.0	117.4	125.8	114.1	104.0	90.6	72.1	72.1
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)